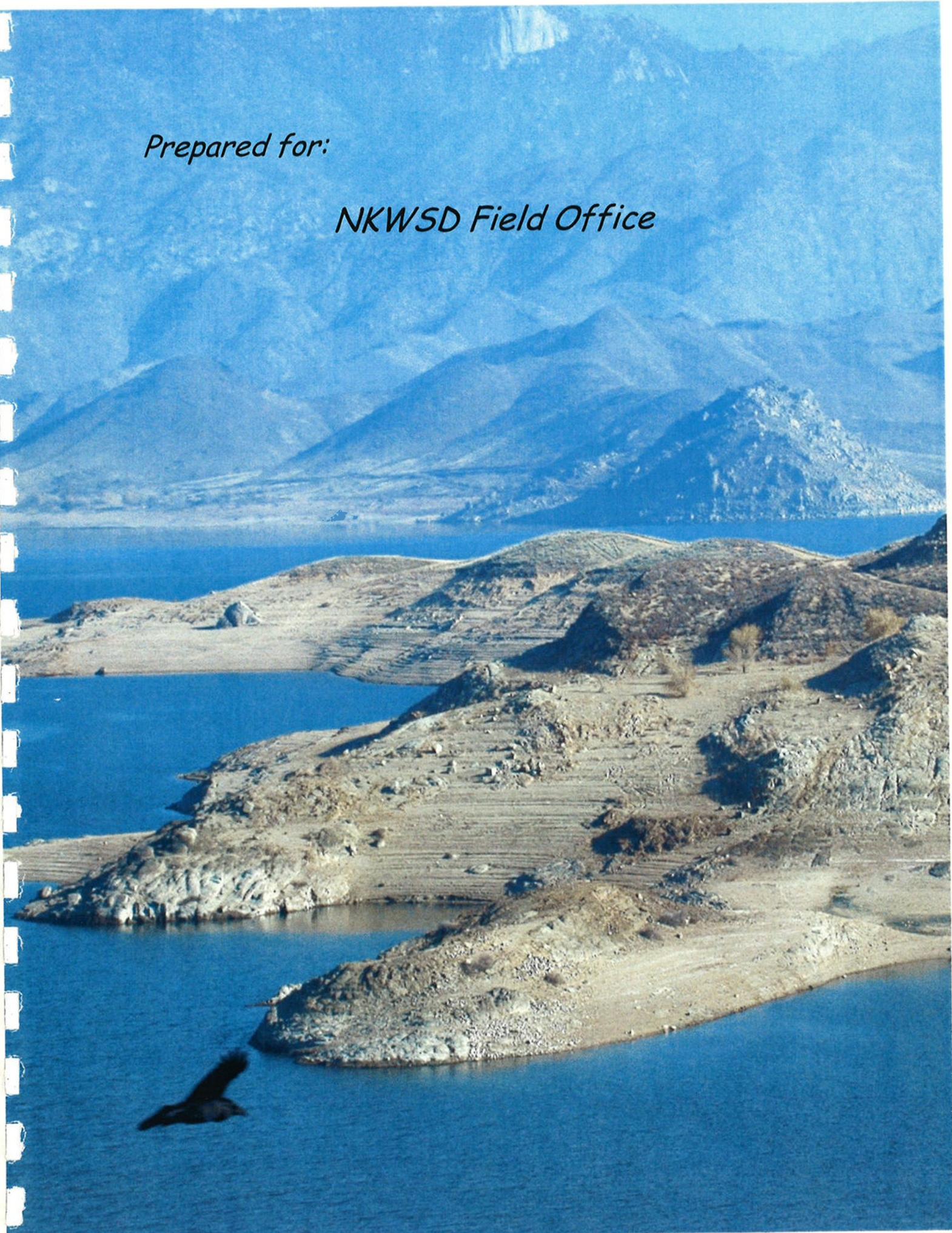


BAKERSFIELD CA
KERN RIVER
2001

KERN ISLAND CANAL
Dredger cleaning above
5th St.

Prepared for:

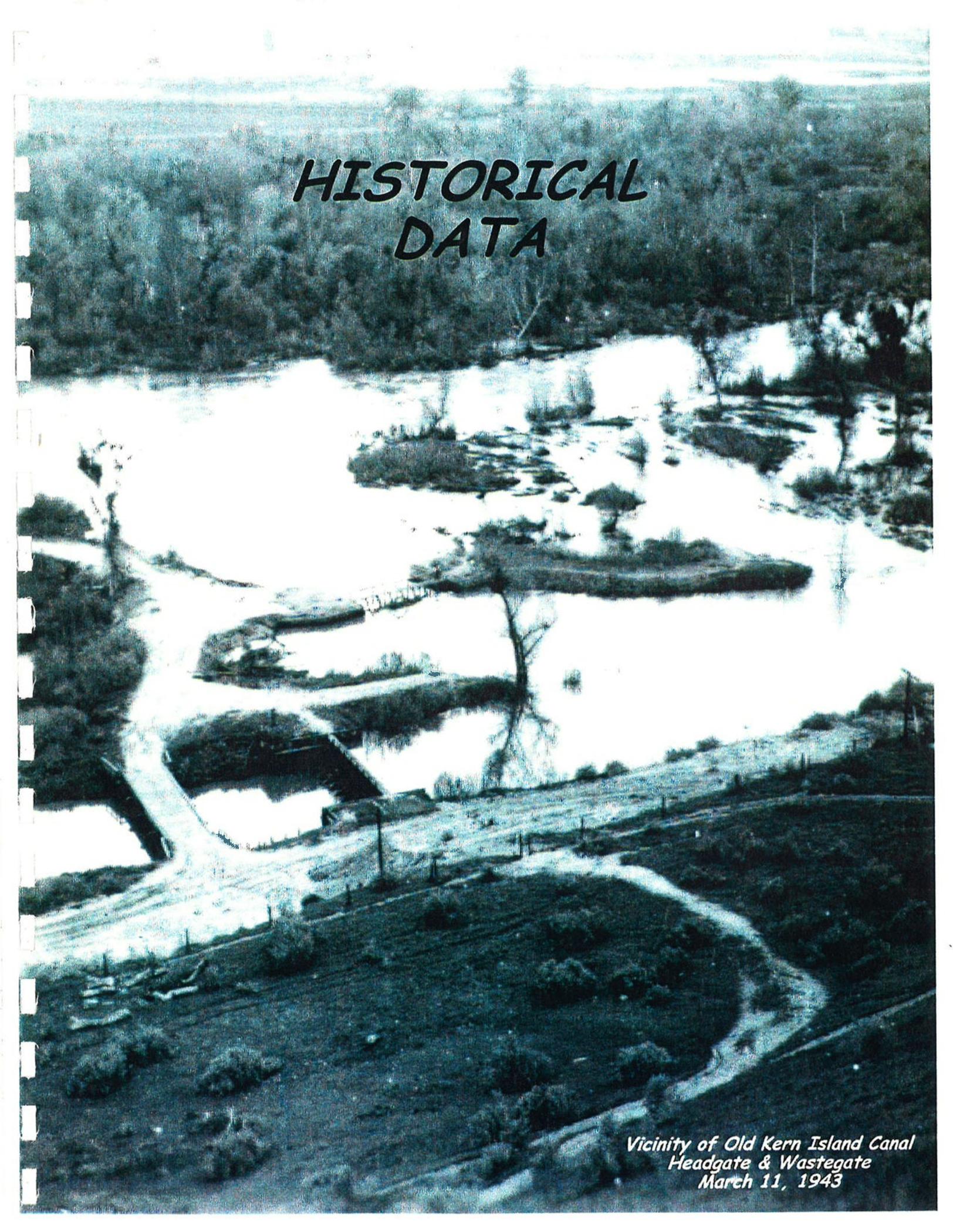
NKWSD Field Office



2001
HYDROGRAPHIC ANNUAL REPORT

Table of Contents

<u>Item</u>	<u>Page</u>
1. HISTORICAL DATA:	
a. Kern River at First Point of Measurement	1-13
b. Isabella Dam & Reservoir	14-20
2. KERN RIVER OPERATIONS: 2001	
a. Kern River in Review	21-24
b. Kern River at First Point of Measurement: Natural	25
c. Kern River North Fork: Flow at Kernville	26
d. Kern River at First Point of Measurement: Regulated	27
e. Kern River Conduit at Alternate Second Point	28
f. Kern River Channel at Second Point	29
g. Friant-Kern Inflow: to Kern River Channel	30
h. Summary of Kern River Entitlements	31
i. Summary of Kern River Diversions: First Point Group	32
j. Summary of Kern River Diversions: By Entity	33
k. Utilization of Storage: First Point Group	34
3. KERN DELTA WATER DISTRICT:	
a. Summary of Entitlements, Deliveries, Storage, etc.: All Canals	35
b. Kern Island Canal Service Area	36-39
c. Eastside Canal Service Area	40-41
d. Buena Vista Canal Service Area	42-44
e. Stine Canal Service Area	45-47
f. Farmers Canal Service Area	48
g. Kern River Water Diverted via Kern River Canal	49
h. Kern Delta WD/Arvin-Edison WSD Exchange Summaries	50-51
i. State Aqueduct Exchange Diversion and Storage Recap	52
4. CITY OF BAKERSFIELD:	
a. Kern River Channel Operations	53
b. Carrier Canal Operations	54
c. City Entitlements, Deliveries, Storage, etc.	55
d. Summaries of Deliveries to Basic Contractors	56-73
e. Rosedale Rio Bravo Water Storage District Summaries	74-79
f. Kern River Canal and Irrigating Company	80
g. South Fork Diversion Right Summary	81
h. Miscellaneous Water Delivery Summaries	82-88
i. Cross Valley Canal River Turnout Summaries	89-92
5. NORTH KERN WATER STORAGE DISTRICT:	
a. North Kern WSD Entitlements, Deliveries, Storage, etc.	93
b. Beardsley-Lerdo Canal Operation Summaries	94-99
c. Calloway Canal Operation Summaries	100-101
d. North Kern WSD Irrigation Deliveries: 2001	102-104
e. Rosedale Ranch Improvement District Summary	105
f. Poso Creek Summary	106
g. North Kern WSD Exchange Summaries	107-113
h. North Kern WSD/City of Bakersfield Water Exchange Recap	114
6. COST ALLOCATION SUMMARIES	115-119
7. KERN RIVER WATERMASTER SUMMARIES:	
a. Hacienda Water District Storage Rental Charge: 2001	120
b. Kern County Recreation Pool	121
c. Kern River Runoff: Calendar and Water Year	122
d. 2001 Watermaster Recapitulation	123
e. 2001 Isabella Reservoir Storage Recapitulation	124
f. January-December 2001 Watermaster Reports	
g. January-December 2001 Distribution Recaps	
h. 1954-2001 Monthly Summaries of Isabella Reservoir Storage	
i. Location Maps: Kern River Drainage Basin and Metro Bakersfield Canals	

An aerial photograph showing a canal system. A main canal runs from the top left towards the center, where it branches into several smaller canals. The area is surrounded by dense trees and some open fields. The overall scene is captured in a high-contrast, black and white style.

HISTORICAL DATA

*Vicinity of Old Kern Island Canal
Headgate & Wastegate
March 11, 1943*

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
Measurements and Estimates were not made prior to September 29, 1893....																	
1893	acre-feet mean s.f.d.										32,864	30,827	31,757	--	--	--	--
1894	acre-feet mean s.f.d.	40,647	39,816	61,548	88,974	98,801	64,564	43,061	20,565	14,759	17,179	14,501	28,911	533,326	--	--	--
1895	acre-feet mean s.f.d.	49,769	69,521	84,456	162,071	268,635	172,890	91,133	38,672	20,452	20,091	20,604	24,758	1,023,052	2,208	172	737
1896	acre-feet mean s.f.d.	45,951	35,510	58,494	57,864	86,174	146,124	82,760	29,885	18,061	16,401	21,108	21,360	619,692	--	--	1,413
1897	acre-feet mean s.f.d.	22,949	44,941	56,756	173,393	281,639	137,393	61,837	28,842	17,728	20,888	21,146	25,922	893,434	3,611	223	854
1898	acre-feet mean s.f.d.	22,332	24,105	23,882	42,248	45,213	32,809	15,033	7,390	6,885	9,830	9,884	12,216	251,827	5,342	260	1,234
1899	acre-feet mean s.f.d.	16,185	16,754	36,279	53,133	51,353	79,178	30,046	9,600	6,248	9,852	13,180	17,064	338,872	1,342	80	348
1900	acre-feet mean s.f.d.	22,266	15,562	25,384	28,102	68,295	76,366	24,125	8,860	9,903	9,808	20,787	22,915	332,373	4,932	86	468
1901	acre-feet mean s.f.d.	30,337	47,760	78,109	83,190	186,446	197,792	114,613	59,536	20,535	19,468	22,429	19,874	880,089	--	--	--
1902	acre-feet mean s.f.d.	17,407	20,582	48,546	107,403	109,904	128,853	43,436	19,172	11,695	12,242	16,739	16,560	552,539	4,419	226	1,216
1903	acre-feet mean s.f.d.	283	371	790	1,805	1,787	2,165	706	312	197	199	281	269	546,395	3,758	160	763
1904	acre-feet mean s.f.d.	350	454	579	1,249	2,148	2,340	868	303	191	174	203	201	492,949	3,374	150	755
1905	acre-feet mean s.f.d.	17,258	22,001	50,598	62,047	117,748	132,766	53,895	20,134	12,563	12,744	14,041	16,074	531,809	3,167	156	679
1906	acre-feet mean s.f.d.	42,623	34,750	126,844	173,143	360,234	458,418	399,841	141,384	57,925	37,464	29,931	37,983	1,900,540	--	--	--
1907	acre-feet mean s.f.d.	41,697	56,834	83,272	197,720	199,950	183,995	97,083	41,940	24,623	22,428	19,747	21,611	990,900	9,684	222	2,625
1908	acre-feet mean s.f.d.	27,878	32,481	65,079	79,320	79,418	60,305	41,851	32,378	21,763	21,487	18,206	18,337	498,503	--	--	1,369
1909	acre-feet mean s.f.d.	118,441	125,050	128,649	247,402	382,617	394,086	194,870	68,224	43,448	31,214	34,350	72,292	1,838,643	--	--	687
1910	acre-feet mean s.f.d.	73,523	48,904	85,085	102,883	127,733	79,464	42,046	24,216	17,201	18,976	18,881	19,999	658,911	11,870	295	2,540
	mean s.f.d.	1,196	881	1,384	1,729	2,077	1,335	684	394	289	309	317	325	--	4,847	222	910

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1911	acre-feet	38,241	53,944	80,166	138,113	184,481	222,076	156,498	45,880	25,222	25,422	21,691	21,650	1,013,384	--	--	--
	mean s.f.d.	622	971	1,304	2,321	3,000	3,732	2,545	746	424	413	365	352	--	5,383	273	1,400
1912	acre-feet	23,320	21,302	28,090	37,246	80,471	100,925	33,170	16,653	10,899	11,780	11,772	11,804	387,432	--	--	--
	mean s.f.d.	379	370	457	626	1,309	1,696	539	271	183	192	198	192	--	3,220	147	534
1913	acre-feet	13,019	15,731	25,191	42,494	73,561	60,738	34,929	31,454	25,357	13,402	15,368	16,596	367,840	--	--	--
	mean s.f.d.	212	283	410	714	1,196	1,021	568	512	426	218	258	270	--	1,976	126	508
1914	acre-feet	116,541	62,575	102,739	144,934	210,676	201,064	128,338	55,127	25,240	24,462	20,390	21,427	1,113,513	--	--	--
	mean s.f.d.	1,895	1,127	1,671	2,436	3,426	3,379	2,087	897	424	398	343	348	--	18,287	285	1,538
1915	acre-feet	22,500	30,254	48,536	80,916	124,506	172,324	77,496	24,668	16,457	14,452	14,858	19,320	646,287	--	--	--
	mean s.f.d.	366	545	789	1,360	2,025	2,896	1,260	401	277	235	250	314	--	4,249	203	891
1916	acre-feet	172,346	202,510	378,116	481,749	472,994	391,700	225,154	56,755	33,808	41,774	30,879	32,364	2,520,149	--	--	--
	mean s.f.d.	2,803	3,521	6,149	8,096	7,693	6,583	3,662	923	568	679	519	526	--	17,962	274	3,481
1917	acre-feet	40,128	44,894	65,242	126,329	185,062	187,638	81,275	36,990	19,696	17,970	18,488	19,370	823,082	--	--	--
	mean s.f.d.	653	808	1,061	2,123	2,684	3,153	1,322	602	331	292	311	315	--	4,331	267	1,137
1918	acre-feet	18,918	18,559	48,087	74,513	78,722	136,753	44,828	20,807	17,562	32,555	22,160	25,039	538,503	--	--	--
	mean s.f.d.	308	334	782	1,252	1,280	2,298	729	338	295	529	372	407	--	3,478	227	744
1919	acre-feet	21,098	23,002	37,973	86,574	140,215	81,844	34,364	16,288	11,722	13,835	13,884	18,325	499,124	--	--	--
	mean s.f.d.	343	414	618	1,455	2,280	1,375	559	265	197	225	233	298	--	4,299	156	689
1920	acre-feet	17,220	18,044	40,397	83,370	158,904	137,840	50,699	22,431	14,949	16,596	19,490	20,703	600,643	--	--	--
	mean s.f.d.	280	314	657	1,401	2,584	2,316	825	365	251	270	328	337	--	4,456	196	827
1921	acre-feet	23,520	30,791	55,402	51,723	100,096	120,387	49,119	18,073	12,595	13,180	12,960	21,673	509,519	--	--	--
	mean s.f.d.	383	554	901	869	1,628	2,023	799	294	212	214	218	352	--	3,548	110	704
1922	acre-feet	30,682	33,846	52,468	84,407	242,259	202,395	88,649	37,061	23,772	17,770	19,835	28,282	861,426	--	--	--
	mean s.f.d.	499	609	853	1,419	3,940	3,401	1,442	603	400	289	333	460	--	5,300	196	1,190
1923	acre-feet	26,863	25,720	31,372	73,355	120,849	82,528	55,800	22,322	18,054	15,495	14,348	13,809	500,515	--	--	--
	mean s.f.d.	437	463	510	1,233	1,965	1,387	908	363	303	252	241	225	--	3,275	179	691
1924	acre-feet	13,676	13,702	15,953	28,540	41,722	14,069	8,225	5,881	5,494	7,642	14,196	18,627	187,727	--	--	--
	mean s.f.d.	222	238	259	480	679	236	134	96	92	124	239	303	--	1,073	74	259
1925	acre-feet	17,992	26,333	31,299	56,408	102,016	96,252	58,437	25,938	11,405	12,906	12,305	14,622	465,913	--	--	--
	mean s.f.d.	293	474	509	948	1,659	1,618	950	422	192	210	207	238	--	2,819	148	635
1926	acre-feet	12,022	15,667	24,739	66,079	98,598	49,530	18,575	9,522	7,029	8,358	28,493	28,094	366,706	--	--	--
	mean s.f.d.	196	282	402	1,110	1,604	832	302	155	118	136	479	457	--	6,511	74	507
1927	acre-feet	20,485	75,279	73,083	100,362	184,721	161,153	75,842	26,817	14,842	14,037	27,180	19,140	792,580	--	--	--
	mean s.f.d.	333	1,355	1,189	1,687	3,004	2,708	1,228	436	249	228	457	311	--	6,571	188	1,095
1928	acre-feet	18,452	17,818	32,668	37,757	76,885	60,344	18,716	9,189	6,583	8,732	11,974	13,710	312,828	--	--	--
	mean s.f.d.	300	310	531	635	1,250	1,014	304	149	111	142	201	223	--	2,058	101	431
1929	acre-feet	13,864	14,654	25,176	39,064	85,995	63,487	30,986	12,797	9,146	8,793	9,035	9,961	322,958	--	--	--
	mean s.f.d.	225	264	409	656	1,399	1,067	504	208	154	143	152	162	--	2,003	119	446
1930	acre-feet	12,234	20,099	34,550	53,506	67,851	82,824	28,401	11,819	7,743	9,314	11,042	10,590	349,973	--	--	--
	mean s.f.d.	199	362	562	899	1,103	1,392	462	192	130	151	186	172	--	2,423	118	483

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1931	acre-foot	12,284	13,785	15,784	23,440	41,867	24,262	8,493	6,302	6,860	6,817	8,241	17,510	185,645	--	--	--
	mean s.f.d.	200	248	257	394	681	408	138	102	115	111	138	285	--	2,261	71	256
1932	acre-foot	22,235	39,596	68,647	111,273	154,742	166,404	94,013	28,243	13,593	13,942	12,077	12,962	737,727	--	--	--
	mean s.f.d.	362	688	1,116	1,870	2,517	2,797	1,529	459	228	227	203	211	--	3,726	180	1,016
1933	acre-foot	17,175	21,021	36,244	57,265	60,026	125,395	56,898	18,692	10,062	10,893	10,776	16,639	441,086	--	--	--
	mean s.f.d.	279	379	589	962	976	2,107	925	304	169	177	181	271	--	3,769	144	609
1934	acre-foot	20,033	16,842	27,429	39,919	43,065	21,820	11,341	6,948	7,043	8,196	11,272	13,757	227,665	--	--	--
	mean s.f.d.	326	303	446	671	700	367	184	113	118	133	189	224	--	914	82	314
1935	acre-foot	14,840	18,500	24,841	71,042	103,787	133,634	42,184	17,193	11,363	11,962	11,905	12,877	474,128	--	--	--
	mean s.f.d.	241	333	404	1,194	1,688	2,246	686	280	191	195	200	209	--	3,378	164	655
1936	acre-foot	14,737	46,808	57,374	157,290	219,404	137,028	67,902	32,987	14,372	15,423	15,828	17,294	796,447	--	--	--
	mean s.f.d.	240	814	933	2,643	3,568	2,303	1,104	536	242	251	266	281	--	4,173	194	1,097
1937	acre-foot	21,745	139,109	111,443	183,505	352,050	225,395	91,097	32,186	17,780	17,173	16,379	52,320	1,260,182	--	--	--
	mean s.f.d.	354	2,505	1,812	3,084	5,726	3,788	1,482	523	299	279	275	851	--	20,000	223	1,741
1938	acre-foot	31,265	42,456	162,121	223,928	315,044	291,880	130,917	54,155	28,693	27,475	24,748	26,003	1,358,685	--	--	--
	mean s.f.d.	508	764	2,637	3,763	5,124	4,905	2,129	881	482	447	416	423	--	14,582	356	1,877
1939	acre-foot	28,558	33,273	54,119	92,136	92,253	58,400	25,480	18,774	13,712	16,826	13,692	13,850	461,073	--	--	--
	mean s.f.d.	464	599	880	1,548	1,500	981	414	305	230	274	230	225	--	2,028	178	637
1940	acre-foot	45,082	65,032	77,810	118,175	196,465	145,503	50,471	18,926	13,234	14,670	16,007	27,723	789,098	--	--	--
	mean s.f.d.	733	1,131	1,265	1,986	3,195	2,445	821	308	222	239	269	451	--	5,454	167	1,087
1941	acre-foot	39,540	73,589	109,735	124,615	386,666	309,960	174,416	62,537	27,997	26,325	27,661	38,035	1,401,076	--	--	--
	mean s.f.d.	643	1,325	1,785	2,094	6,289	5,209	2,837	1,017	471	428	465	619	--	8,523	337	1,935
1942	acre-foot	49,438	40,834	58,487	112,586	150,036	178,754	81,529	30,284	16,500	14,648	16,130	22,740	771,966	--	--	--
	mean s.f.d.	804	735	951	1,892	2,440	3,004	1,326	493	277	238	271	370	--	4,060	141	1,066
1943	acre-foot	92,551	56,820	261,344	198,736	254,785	155,650	88,011	34,435	17,857	17,849	18,565	24,224	1,220,827	--	--	--
	mean s.f.d.	1,505	1,023	4,250	3,340	4,144	2,616	1,431	560	300	290	312	394	--	21,701	252	1,686
1944	acre-foot	27,473	32,781	69,836	80,223	150,109	115,862	59,197	20,305	12,843	12,952	21,521	22,435	625,537	--	--	--
	mean s.f.d.	447	570	1,136	1,348	2,441	1,947	963	330	216	211	362	365	--	3,071	191	862
1945	acre-foot	20,783	70,522	63,925	131,246	205,509	169,002	91,593	41,632	21,548	41,268	36,845	44,182	938,055	--	--	--
	mean s.f.d.	338	1,270	1,040	2,206	3,342	2,840	1,490	677	362	671	619	719	--	9,370	155	1,296
1946	acre-foot	45,481	34,854	60,958	109,658	155,476	85,880	39,733	20,091	13,261	16,141	31,365	37,785	650,683	--	--	--
	mean s.f.d.	740	628	991	1,843	2,529	1,443	646	327	223	263	527	615	--	3,814	192	899
1947	acre-foot	31,146	28,167	36,319	60,353	110,325	57,778	21,116	12,313	9,140	12,607	13,492	13,942	406,698	--	--	--
	mean s.f.d.	507	507	591	1,014	1,794	971	343	200	154	205	227	227	--	2,584	135	562
1948	acre-foot	13,486	13,267	16,233	43,976	86,108	78,565	31,331	9,927	6,899	8,908	9,586	11,220	329,506	--	--	--
	mean s.f.d.	219	231	264	739	1,400	1,320	510	161	116	145	161	182	--	2,206	97	454
1949	acre-foot	11,982	12,992	21,136	50,517	84,508	57,685	17,201	8,682	6,541	7,704	11,131	12,791	302,870	--	--	--
	mean s.f.d.	195	234	344	849	1,374	969	280	141	110	125	187	208	--	2,128	69	418
1950	acre-foot	17,119	39,761	37,087	76,155	98,483	90,367	34,901	12,179	10,393	9,955	96,968	77,992	601,360	--	--	--
	mean s.f.d.	278	716	603	1,280	1,602	1,519	568	198	175	162	1,630	1,268	--	37,000	128	831

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1951	acre-foot	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,966	7,793	9,364	11,958	40,163	442,222	--	--	--
	mean s.f.d.	536	541	571	822	1,383	1,496	633	211	131	152	201	653	--	8,341	69	611
1952	acre-foot	60,367	53,673	84,726	222,633	434,769	302,557	159,856	68,200	30,670	23,417	24,871	35,260	1,500,999	--	--	--
	mean s.f.d.	982	933	1,378	3,741	7,071	5,085	2,600	1,109	515	381	418	573	--	8,530	254	2,073
1953	acre-foot	60,760	40,498	38,709	70,730	86,019	103,164	69,657	21,503	12,730	13,125	15,023	16,915	548,833	--	--	--
	mean s.f.d.	988	729	630	1,189	1,399	1,734	1,133	350	214	213	252	275	--	3,798	119	758
1954	acre-foot	22,019	30,361	44,575	101,203	139,719	73,553	39,642	19,198	12,571	12,351	15,328	17,837	528,357	--	--	--
	mean s.f.d.	358	547	725	1,701	2,272	1,236	645	312	211	201	258	290	--	2,948	150	729
1955	acre-foot	20,438	24,625	29,734	37,567	69,544	86,660	31,014	19,293	9,840	10,100	12,526	92,959	444,300	--	--	--
	mean s.f.d.	332	443	484	631	1,131	1,456	504	314	165	164	211	1,512	--	12,711	101	614
1956	acre-foot	82,943	49,993	62,767	97,553	159,683	168,876	99,529	41,141	21,370	23,397	17,042	16,568	840,862	--	--	--
	mean s.f.d.	1,349	869	1,021	1,639	2,597	2,838	1,619	669	359	381	286	269	--	5,167	207	1,158
1957	acre-foot	18,535	26,178	31,357	38,644	79,355	132,359	41,988	17,518	12,111	13,648	14,013	18,632	444,338	--	--	--
	mean s.f.d.	301	471	510	649	1,291	2,224	683	285	204	222	235	303	--	3,411	147	614
1958	acre-foot	22,088	39,453	68,140	168,105	316,974	230,866	115,724	56,190	27,515	20,815	19,835	19,025	1,104,730	--	--	--
	mean s.f.d.	359	710	1,108	2,825	5,155	3,880	1,882	914	462	339	333	309	--	6,592	236	1,526
1959	acre-foot	20,592	22,258	33,274	40,566	39,945	32,061	18,013	10,084	9,852	9,689	10,419	11,215	257,978	--	--	--
	mean s.f.d.	335	401	541	682	650	539	293	164	166	158	175	182	--	944	104	356
1960	acre-foot	13,363	30,682	31,908	46,272	58,336	47,181	16,683	9,638	8,678	10,187	14,183	12,926	300,037	--	--	--
	mean s.f.d.	217	533	519	778	949	793	271	157	146	166	238	210	--	1,690	99	413
1961	acre-foot	11,466	10,905	14,221	24,137	29,980	24,305	8,952	16,018	8,463	7,353	9,554	12,288	177,642	--	--	--
	mean s.f.d.	186	196	231	406	488	408	146	261	142	120	161	200	--	626	99	245
1962	acre-foot	13,507	53,411	37,660	147,463	135,884	157,253	74,874	25,416	13,849	14,051	12,407	11,929	697,704	--	--	--
	mean s.f.d.	220	962	612	2,478	2,210	2,643	1,218	413	233	229	209	194	--	3,604	144	964
1963	acre-foot	27,793	101,595	42,994	69,412	137,839	163,944	105,384	47,008	28,883	27,291	25,837	23,470	801,450	--	--	--
	mean s.f.d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	--	15,584	160	1,107
1964	acre-foot	19,943	17,119	25,146	42,946	61,521	54,658	23,803	14,097	9,025	9,150	14,939	46,919	339,266	--	--	--
	mean s.f.d.	324	298	409	722	1,001	919	387	229	152	149	251	763	--	4,693	120	467
1965	acre-foot	46,768	31,702	36,359	80,043	131,980	149,357	95,288	49,105	22,036	17,631	29,542	30,551	720,362	--	--	--
	mean s.f.d.	761	571	591	1,345	2,146	2,510	1,550	799	370	287	496	497	--	3,322	226	995
1966	acre-foot	29,272	22,439	39,108	68,779	82,336	45,431	23,347	18,141	9,608	10,822	15,501	313,811	678,595	--	--	--
	mean s.f.d.	476	404	636	1,156	1,339	763	380	295	161	176	261	5,104	--	80,029	112	937
1967	acre-foot	63,580	65,831	86,200	99,509	269,631	311,063	243,802	94,834	55,255	36,230	34,546	35,746	1,396,227	--	--	--
	mean s.f.d.	1,034	1,185	1,402	1,672	4,385	5,228	3,965	1,542	929	589	581	581	--	7,223	419	1,928
1968	acre-foot	34,052	40,354	48,803	65,584	87,991	64,054	30,690	20,600	11,466	13,599	16,982	19,585	453,760	--	--	--
	mean s.f.d.	554	702	794	1,102	1,431	1,076	499	335	193	221	285	319	--	1,923	155	625
1969	acre-foot	178,493	111,342	157,595	378,333	617,968	496,796	254,777	111,100	49,936	36,036	34,862	34,132	2,461,370	--	--	--
	mean s.f.d.	2,903	2,005	2,563	6,358	10,050	8,349	4,144	1,807	839	586	586	555	--	24,216	344	3,400
1970	acre-foot	66,480	41,419	59,917	63,513	110,057	95,700	50,138	24,224	14,392	13,301	21,519	28,814	589,474	--	--	--
	mean s.f.d.	1,081	746	974	1,067	1,790	1,608	815	394	242	216	362	469	--	6,298	171	814

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1971	acre-foot	34,143	30,960	41,913	52,661	66,635	82,707	42,472	19,841	11,371	11,540	14,102	19,109	427,454	--	--	--
	mean s.f.d.	555	557	682	885	1,084	1,390	691	323	191	188	237	311	--	1,895	125	590
1972	acre-foot	19,864	18,827	33,213	28,288	45,965	38,531	14,936	10,927	11,334	11,431	14,703	20,408	268,427	--	--	--
	mean s.f.d.	323	327	540	475	748	648	243	178	190	186	247	332	--	951	111	370
1973	acre-foot	33,628	36,395	52,778	110,892	288,652	230,390	93,834	41,028	23,030	18,895	22,342	27,788	979,652	--	--	--
	mean s.f.d.	547	655	858	1,864	4,694	3,872	1,526	667	387	307	375	452	--	5,886	220	1,353
1974	acre-foot	50,337	29,873	74,247	114,113	183,733	167,740	69,580	39,991	23,532	21,953	19,904	23,603	818,606	--	--	--
	mean s.f.d.	819	538	1,208	1,918	2,988	2,819	1,132	650	395	357	334	384	--	4,141	220	1,130
1975	acre-foot	21,521	26,725	42,815	46,602	147,001	140,660	51,917	22,625	17,133	16,209	15,049	16,310	564,567	--	--	--
	mean s.f.d.	350	481	696	783	2,391	2,364	844	368	288	264	253	265	--	3,783	164	780
1976	acre-foot	16,308	16,994	23,074	25,924	47,151	20,930	14,749	14,573	25,097	20,523	12,954	11,191	249,468	--	--	--
	mean s.f.d.	265	295	375	436	767	352	240	237	422	334	218	182	--	1,188	142	344
1977	acre-foot	13,456	13,704	14,765	23,391	25,630	35,655	10,973	10,979	7,815	8,146	8,456	24,028	196,998	--	--	--
	mean s.f.d.	219	247	240	393	417	599	178	179	131	132	142	391	--	2,049	57	272
1978	acre-foot	46,596	116,432	175,484	181,700	363,157	354,825	194,693	74,001	61,696	29,562	26,874	28,485	1,653,505	--	--	--
	mean s.f.d.	758	2,096	2,854	3,054	5,906	5,963	3,166	1,204	1,037	481	452	463	--	10,901	350	2,284
1979	acre-foot	34,062	41,825	72,299	102,079	184,935	106,112	46,733	27,243	19,583	19,781	18,779	19,230	672,661	--	--	--
	mean s.f.d.	554	753	1,176	1,715	2,682	1,783	760	443	329	322	316	313	--	3,540	229	929
1980	acre-foot	145,545	168,887	139,620	211,608	287,825	282,877	208,715	78,143	35,068	26,955	25,006	29,708	1,639,957	--	--	--
	mean s.f.d.	2,367	2,936	2,271	3,556	4,681	4,754	3,394	1,271	589	438	420	483	--	14,171	261	2,259
1981	acre-foot	28,709	34,762	45,608	69,320	91,914	65,817	25,630	17,389	13,222	14,781	18,922	23,189	449,263	--	--	--
	mean s.f.d.	467	626	742	1,165	1,495	1,106	417	283	222	240	318	377	--	2,211	157	621
1982	acre-foot	37,682	52,996	78,724	212,963	254,985	198,748	130,098	61,956	61,716	46,306	57,116	77,849	1,271,139	--	--	--
	mean s.f.d.	613	954	1,280	3,579	4,147	3,340	2,116	1,008	1,037	753	960	1,266	--	9,075	389	1,756
1983	acre-foot	87,905	138,514	265,543	206,473	478,625	571,846	288,866	154,935	68,503	53,300	71,599	103,019	2,489,128	--	--	--
	mean s.f.d.	1,430	2,494	4,319	3,470	7,784	9,610	4,698	2,520	1,151	867	1,203	1,675	--	14,038	602	3,438
1984	acre-foot	76,054	60,926	82,738	91,359	161,613	93,114	77,046	49,698	28,306	26,428	35,020	39,495	821,797	--	--	--
	mean s.f.d.	1,237	1,059	1,346	1,535	2,628	1,565	1,253	808	476	430	589	642	--	3,305	288	1,132
1985	acre-foot	40,423	40,610	53,371	136,241	146,799	99,858	41,395	23,956	17,024	16,495	22,314	33,945	672,431	--	--	--
	mean s.f.d.	657	731	868	2,290	2,387	1,678	673	390	286	268	375	552	--	3,353	208	929
1986	acre-foot	42,668	149,966	204,775	208,147	293,335	263,794	121,398	57,160	26,567	28,330	25,341	23,458	1,444,939	--	--	--
	mean s.f.d.	694	2,700	3,330	3,498	4,771	4,433	1,974	930	446	461	426	382	--	8,296	313	1,996
1987	acre-foot	25,595	29,504	41,566	55,236	75,108	56,146	24,918	14,735	10,683	11,484	14,745	16,215	375,935	--	--	--
	mean s.f.d.	416	531	676	928	1,222	944	405	240	180	187	248	264	--	1,817	145	519
1988	acre-foot	22,677	19,815	30,210	39,584	58,350	43,140	20,969	13,454	10,733	9,283	10,955	15,515	294,685	--	--	--
	mean s.f.d.	369	344	491	665	949	725	341	219	180	151	184	252	--	1,418	118	406
1989	acre-foot	15,947	23,528	67,430	91,380	71,849	49,823	21,378	13,010	10,213	10,824	10,707	10,949	397,038	--	--	--
	mean s.f.d.	259	424	1,097	1,536	1,169	837	348	212	172	176	180	178	--	2,068	123	548
1990	acre-foot	12,916	13,127	23,048	32,019	38,600	29,345	13,380	8,386	6,428	8,340	8,340	9,148	203,571	--	--	--
	mean s.f.d.	210	236	375	538	628	493	218	136	108	144	140	149	--	845	78	281

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1991	acre-foot	10,931	9,215	47,341	58,092	79,763	100,423	38,265	14,854	11,040	9,358	13,940	13,067	406,289	--	--	--
	mean s.f.d.	178	166	770	976	1,297	1,688	622	242	186	152	234	213	--	5,025	109	561
1992	acre-foot	14,069	22,314	26,410	55,448	74,394	32,987	16,324	11,942	7,896	9,414	11,054	14,577	296,829	--	--	--
	mean s.f.d.	229	388	430	932	1,210	554	265	194	133	153	186	237	--	1,584	104	409
1993	acre-foot	39,221	39,564	94,231	133,993	200,864	162,420	87,414	32,763	16,506	14,223	14,398	18,163	853,760	--	--	--
	mean s.f.d.	638	712	1,533	2,252	3,267	2,730	1,422	533	277	231	242	295	--	3,957	203	1,179
1994	acre-foot	18,936	23,946	38,592	46,489	67,224	56,223	21,068	11,939	8,981	14,771	12,780	15,507	336,456	--	--	--
	mean s.f.d.	308	431	628	781	1,093	945	343	194	151	240	215	252	--	1,686	121	465
1995	acre-foot	46,832	48,774	156,387	143,244	255,046	293,129	237,802	89,657	39,108	24,093	22,268	28,820	1,385,160	--	--	--
	mean s.f.d.	762	878	2,543	2,407	4,148	4,926	3,867	1,458	657	392	374	469	--	8,420	240	1,913
1996	acre-foot	40,304	98,549	108,042	147,959	225,987	154,883	70,502	32,255	16,651	15,788	40,903	86,438	1,038,261	--	--	--
	mean s.f.d.	655	1,713	1,757	2,487	3,675	2,603	1,147	525	280	257	687	1,406	--	9,024	222	1,430
1997	acre-foot	246,022	104,771	120,448	142,909	214,290	142,358	71,919	38,047	26,039	20,926	23,708	30,532	1,181,969	--	--	--
	mean s.f.d.	4,001	1,887	1,959	2,402	3,485	2,392	1,170	619	438	340	398	497	--	19,794	284	1,633
1998	acre-foot	45,927	136,340	151,329	189,663	308,440	371,835	267,435	94,510	50,959	35,008	33,302	33,219	1,717,967	--	--	--
	mean s.f.d.	747	2,455	2,461	3,187	5,016	6,249	4,349	1,537	856	569	560	540	--	8,477	436	2,373
1999	acre-foot	37,722	38,388	36,495	55,843	95,199	68,733	32,852	17,133	12,547	11,714	12,288	13,057	433,971	--	--	--
	mean s.f.d.	613	691	626	938	1,548	1,155	534	279	211	191	207	212	--	2,077	174	599
2000	acre-foot	19,140	35,096	50,176	67,388	129,406	81,396	28,306	16,610	10,937	12,912	12,764	12,688	476,819	--	--	--
	mean s.f.d.	311	610	816	1,133	2,105	1,368	460	270	184	210	215	206	--	2,910	145	657
2001	acre-foot	15,429	19,004	36,948	58,249	124,417	43,033	24,593	11,558	8,916	9,142	15,293	24,869	391,451	--	--	--
	mean s.f.d.	251	342	601	979	2,023	723	400	188	150	149	257	404	--	2,525	132	541

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

YEAR: 2001

October 1893 to Date...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow (acre-feet)	37,582	44,154	66,033	99,978	157,243	139,922	73,128	31,583	18,546	17,530	19,879	27,876	733,454
Mean Monthly Flow (second foot days)	611	788	1,074	1,680	2,557	2,351	1,189	514	312	285	334	453	1,012
Maximum Monthly Flow (acre-feet)	246,022	202,510	378,116	481,749	617,968	571,846	399,841	154,935	68,503	53,300	96,968	313,811	
Year of Occurrence	1997	1916	1916	1916	1969	1983	1906	1983	1983	1983	1950	1966	
Minimum Monthly Flow (acre-feet)	10,931	9,215	14,221	23,391	25,630	14,069	8,225	5,881	5,494	6,817	8,241	9,148	
Year of Occurrence	1991	1991	1961	1977	1977	1924	1924	1924	1924	1931	1931	1990	
Number Months of Record	108	108	108	108	108	108	108	108	108	109	109	109	
Cumulative Monthly Flow (All Months - acre-feet)	4,058,853	4,768,585	7,131,585	10,797,660	16,982,216	15,111,530	7,897,876	3,410,999	2,002,990	1,910,747	2,166,824	3,038,512	
Median Monthly Flow (acre-feet)	23,556	33,013	47,821	75,937	121,849	112,243	48,898	21,864	14,013	14,489	16,011	19,533	549,227
Median Monthly Flow (second foot days)	383	589	778	1,276	1,982	1,886	795	356	235	236	269	318	758

MEAN APRIL - JULY RUNOFF TO DATE = 470,271 AcFt
 MEDIAN APRIL - JULY RUNOFF TO DATE = 358,927 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 603,963 AcFt
 MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 457,114 AcFt

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

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	458	743	870	1,312	2,151	2,721	1,710	728	370	303	292	355
2	510	707	904	1,318	2,178	2,689	1,690	706	366	299	290	358
3	605	664	983	1,334	2,217	2,673	1,665	689	363	297	287	374
4	507	618	959	1,328	2,278	2,665	1,637	672	354	294	285	396
5	500	619	989	1,358	2,322	2,673	1,579	647	368	286	286	502
6	477	678	950	1,385	2,362	2,680	1,534	631	373	294	287	1,106
7	469	808	908	1,405	2,391	2,677	1,487	615	348	284	289	525
8	474	754	923	1,431	2,434	2,654	1,441	601	336	290	288	432
9	456	796	1,010	1,458	2,471	2,604	1,399	585	325	290	289	439
10	470	765	1,052	1,486	2,497	2,585	1,358	576	315	286	294	447
11	492	698	1,056	1,585	2,501	2,547	1,309	566	309	284	308	460
12	551	714	1,008	1,601	2,502	2,528	1,273	554	314	280	311	442
13	571	825	1,013	1,593	2,527	2,510	1,244	528	304	280	305	419
14	670	815	1,023	1,610	2,552	2,475	1,220	509	293	276	309	393
15	590	809	993	1,630	2,569	2,440	1,182	503	292	276	306	391
16	603	785	1,026	1,675	2,587	2,390	1,156	498	287	277	307	382
17	592	807	1,054	1,697	2,613	2,357	1,123	486	285	283	317	384
18	661	908	1,116	1,728	2,646	2,315	1,094	484	283	280	332	377
19	631	908	1,107	1,772	2,682	2,278	1,061	481	277	279	464	371
20	592	898	1,101	1,822	2,682	2,243	1,034	468	276	281	413	368
21	600	842	1,138	1,868	2,684	2,208	999	448	277	280	368	376
22	694	845	1,126	1,907	2,696	2,173	968	431	277	277	379	406
23	714	867	1,131	1,922	2,688	2,126	953	421	275	277	365	537
24	720	840	1,143	1,939	2,698	2,064	953	407	275	276	386	486
25	960	841	1,190	1,960	2,719	2,010	911	397	292	274	389	485
26	934	834	1,216	1,995	2,763	1,948	881	384	333	281	365	461
27	775	837	1,250	2,020	2,768	1,904	861	383	307	286	380	496
28	726	825	1,255	2,066	2,770	1,854	831	386	290	287	373	471
29	644	869	1,255	2,083	2,785	1,803	798	385	295	288	364	458
30	621	-	1,254	2,118	2,777	1,750	775	380	291	294	394	504
31	681	-	1,289	-	2,767	-	743	374	-	299	-	453
TOTAL	18,948	22,261	33,292	50,406	79,277	70,544	36,869	15,923	9,350	8,838	10,022	14,054
MAXIMUM DAY	960	908	1,289	2,118	2,785	2,721	1,710	728	373	303	464	1,106
MINIMUM DAY	456	618	870	1,312	2,151	1,750	743	374	275	274	285	355
MEAN	611	788	1,074	1,680	2,557	2,351	1,189	514	312	285	334	453
TOTAL AC. FT.	37,582	44,154	66,033	99,978	157,243	139,922	73,128	31,583	18,546	17,530	19,879	27,876
WHOLE YEAR:-	TOTAL,	369,784	MAX.,	2,785	MIN.,	274	MEAN,	1,012	TOTAL AC.FT.,	733,454		

DISCHARGE IN CUBIC FEET PER SECOND
Kern River Median Natural Flow at First Point of Measurement
 (1893 to Date)
 Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	346	442	625	1,038	1,637	2,163	1,290	492	263	234	245	285
2	345	435	647	1,025	1,670	2,210	1,184	466	255	232	257	281
3	345	452	647	1,005	1,689	2,214	1,168	468	257	227	252	305
4	351	460	654	1,022	1,730	2,192	1,152	467	262	240	250	317
5	353	468	704	1,068	1,732	2,128	1,077	433	256	227	257	321
6	364	481	685	1,114	1,723	2,141	1,042	426	258	226	255	326
7	365	497	651	1,204	1,715	2,407	979	423	257	231	260	312
8	371	524	646	1,203	1,801	2,276	949	419	249	232	255	312
9	376	542	659	1,222	1,918	2,222	929	390	248	233	258	307
10	365	558	638	1,256	1,921	2,213	877	383	246	230	262	304
11	371	561	652	1,187	1,925	2,284	840	368	241	225	262	309
12	378	562	666	1,178	1,906	2,290	829	372	243	226	267	309
13	379	585	623	1,201	2,019	2,193	833	367	235	233	268	315
14	390	566	683	1,226	1,951	2,185	824	350	227	229	271	318
15	371	538	709	1,176	1,943	2,076	783	342	234	231	269	319
16	381	575	704	1,211	1,922	1,964	735	353	239	230	268	325
17	367	614	723	1,260	2,076	1,847	729	336	231	235	269	322
18	373	611	746	1,268	2,184	1,806	720	325	228	241	270	311
19	384	607	821	1,299	2,147	1,701	697	320	220	244	281	317
20	395	599	847	1,325	2,085	1,610	702	310	219	244	277	318
21	390	580	893	1,386	2,038	1,602	687	306	225	237	267	311
22	397	581	867	1,415	2,081	1,617	638	296	226	236	275	316
23	393	576	882	1,434	2,061	1,570	610	307	220	236	282	334
24	418	589	875	1,476	2,100	1,492	601	307	213	235	287	327
25	416	608	911	1,471	2,129	1,453	601	298	214	236	290	331
26	397	611	971	1,536	2,094	1,435	576	283	222	241	288	316
27	406	623	999	1,495	2,166	1,351	555	298	219	250	281	324
28	404	638	989	1,514	2,231	1,318	529	279	217	247	278	335
29	411	642	970	1,506	2,289	1,347	514	279	216	249	283	329
30	428	-	999	1,564	2,291	1,282	520	279	225	242	288	339
31	446	-	1,024	-	2,258	-	483	281	-	246	-	353
TOTAL	11,876	16,644	24,110	38,285	61,432	56,589	24,653	11,023	7,065	7,305	8,072	9,848
MAXIMUM DAY	446	642	1,024	1,564	2,291	2,407	1,290	492	263	250	290	353
MINIMUM DAY	345	435	623	1,005	1,637	1,282	483	279	213	225	245	281
MEAN	383	589	778	1,276	1,982	1,886	795	356	235	236	269	318
TOTAL AC. FT.	23,556	33,013	47,821	75,937	121,849	112,243	48,898	21,864	14,013	14,489	16,011	19,533
WHOLE YEAR:-	TOTAL,	276,902	MAX.,	2,407	MIN.,	213	MEAN,	758	TOTAL AC.FT.,	549,227		

KERN RIVER REGULATED FLOW AT FIRST POINT OF MEASUREMENT (1954 to Date)

RECAPITULATION IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1954	22,019	30,361	44,575	79,089	80,539	81,189	61,059	39,830	22,114	14,450	17,500	17,595	510,320
1955	19,795	22,058	34,671	38,874	48,188	72,196	43,259	25,085	12,936	10,399	13,999	26,743	367,783
1956	41,377	40,326	62,779	49,291	94,887	115,428	94,887	124,007	52,098	42,294	16,990	16,534	755,500
1957	17,958	22,425	34,935	39,677	52,885	96,466	70,175	39,943	22,471	17,282	13,795	17,847	445,859
1958	19,137	28,175	42,125	78,472	131,421	181,305	187,890	143,722	61,519	49,825	25,095	18,825	967,511
1959	20,811	20,991	37,767	29,936	27,463	94,028	59,817	22,698	10,524	8,700	9,786	10,643	353,165
1960	12,516	17,405	24,044	25,041	47,986	81,481	26,386	81,481	13,154	10,483	13,803	12,798	324,086
1961	11,280	10,736	14,017	16,318	16,780	19,321	25,222	21,316	13,404	7,267	9,281	12,121	177,063
1962	12,067	27,435	44,838	95,445	87,167	112,437	113,318	40,778	26,164	22,623	12,448	12,054	607,848
1963	20,356	21,152	24,175	32,959	38,914	54,756	118,179	64,828	68,368	64,828	31,174	23,044	676,237
1964	20,356	21,152	24,175	32,959	38,914	54,756	118,179	64,828	68,368	64,828	31,174	23,044	676,237
1965	35,784	35,907	41,383	39,389	61,313	85,934	96,236	75,497	19,535	14,739	15,285	82,447	634,303
1966	29,978	22,752	50,933	44,634	37,289	67,486	60,338	51,110	19,535	85,002	56,799	35,482	1,465,855
1967	146,180	40,516	57,923	82,732	88,046	200,743	183,566	240,154	146,509	85,002	56,799	35,482	497,026
1968	50,499	106,247	237,265	376,817	332,015	374,787	263,903	221,738	13,656	102,494	90,523	34,122	2,313,769
1969	42,299	32,206	52,489	60,101	53,698	86,904	94,112	88,421	35,667	21,286	18,228	15,844	601,254
1970	25,978	35,520	48,589	30,809	31,950	57,322	82,128	64,643	23,520	12,184	12,639	17,169	442,651
1971	19,527	22,094	32,130	29,760	44,965	31,579	47,996	11,560	10,266	12,460	12,460	16,524	311,291
1972	21,356	26,214	38,878	66,541	97,172	143,554	161,028	102,660	47,883	29,457	37,085	23,137	745,903
1973	35,447	45,969	49,248	47,151	57,477	96,807	120,476	69,648	54,365	54,365	37,085	23,137	745,903
1974	21,221	34,844	45,041	38,444	57,142	95,197	108,932	89,738	34,139	17,072	15,108	15,213	572,091
1975	14,690	19,008	31,789	23,609	28,901	52,300	54,190	30,742	19,440	12,946	11,341	12,946	320,784
1976	14,051	14,360	15,925	16,778	17,431	25,813	32,951	21,888	8,765	7,660	8,287	14,773	200,702
1977	26,132	50,285	49,222	149,450	266,073	236,549	146,660	73,234	93,098	70,927	30,458	30,458	1,390,675
1978	31,793	46,508	62,557	109,987	126,343	107,605	32,267	27,792	82,893	61,644	18,655	18,009	656,068
1979	55,976	81,590	157,503	185,089	167,415	194,134	238,716	200,338	106,516	82,893	61,644	28,838	1,560,652
1980	25,482	27,013	40,594	41,768	46,348	78,405	80,906	14,315	14,315	14,315	14,324	14,324	460,469
1981	30,363	43,374	48,110	57,060	86,468	155,508	166,492	156,341	88,411	104,122	101,403	82,405	2,381,575
1982	57,566	17,165	152,862	286,605	370,706	419,760	176,194	387,505	153,814	117,233	97,616	90,549	90,549
1983	84,280	96,998	68,614	49,793	67,327	89,409	96,734	43,180	34,973	25,305	20,333	28,986	668,971
1984	40,133	46,686	53,821	56,358	72,506	93,757	111,385	77,728	34,973	82,792	67,569	45,227	24,208
1985	31,277	39,039	95,946	172,221	205,204	233,197	193,767	141,111	18,589	15,624	14,269	14,664	432,309
1986	24,117	28,919	43,408	44,894	43,609	68,424	73,047	42,545	60,458	9,025	10,318	14,483	335,473
1987	20,793	26,906	35,036	33,769	31,815	50,985	28,346	36,204	14,241	12,773	10,788	13,739	346,773
1988	16,869	21,568	32,092	38,575	39,632	56,527	55,765	36,204	14,241	12,773	10,788	13,739	346,773
1989	12,926	16,124	25,071	24,422	25,454	30,030	31,129	21,519	6,885	8,979	8,037	8,979	219,501
1990	10,627	9,112	27,814	28,937	30,539	62,997	63,654	48,196	12,480	11,353	13,381	14,394	333,494
1991	13,593	20,711	25,451	25,777	33,548	38,600	40,967	31,928	10,195	10,789	10,383	13,880	272,822
1992	22,062	25,426	52,479	45,489	63,322	107,357	86,671	51,846	16,072	13,745	12,060	18,264	642,339
1993	19,622	28,720	41,819	41,256	35,411	69,470	75,175	53,464	102,593	71,157	57,106	27,993	422,361
1994	28,994	34,576	57,225	138,034	148,419	153,050	147,913	113,232	64,770	43,593	45,201	82,016	966,036
1995	63,352	93,987	158,678	95,933	120,789	133,315	106,452	55,240	55,240	42,278	31,894	31,894	1,133,463
1996	45,636	93,987	97,468	132,317	239,423	284,408	209,607	200,713	114,224	89,980	93,054	31,739	1,862,556
1997	32,523	40,907	29,209	29,400	36,071	64,411	78,924	64,167	26,533	20,340	12,260	16,203	475,536
1998	13,936	17,643	26,364	29,679	41,423	73,624	61,618	42,432	21,410	15,588	13,259	18,793	375,769
1999	146,180	142,831	237,265	378,817	370,706	419,760	387,505	240,154	153,814	117,233	101,403	90,549	2,381,575
2000	10,627	9,112	14,017	16,318	16,780	19,321	25,222	21,316	6,885	7,267	8,037	8,925	177,063
2001	1,449,128	1,778,731	2,594,488	3,259,223	4,143,044	5,506,937	5,393,668	4,091,991	2,099,508	1,694,000	1,376,615	1,238,181	34,625,514
MAXIMUM	30,190	37,057	54,052	67,900	86,313	114,728	112,368	85,250	43,740	35,292	28,679	25,795	721,364
MINIMUM	491	661	879	1,141	1,404	1,928	1,827	1,386	735	574	482	420	996
AcFl TOTAL	4.18%	5.14%	7.49%	9.41%	11.97%	15.90%	15.58%	11.82%	6.06%	4.89%	3.98%	3.58%	100.00%
AcFl AVERAGE													
S.F.D. AVERAGE													
% OF TOTAL													

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

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	464	543	819	975	1,302	1,576	1,949	1,585	935	668	479	443
2	472	559	810	999	1,319	1,623	1,901	1,563	913	679	472	414
3	458	580	814	1,004	1,316	1,675	1,906	1,571	893	665	472	400
4	453	582	829	1,001	1,346	1,729	1,870	1,564	878	653	477	406
5	452	580	827	1,007	1,346	1,766	1,893	1,578	849	649	481	418
6	453	593	824	1,004	1,346	1,789	1,915	1,588	822	672	486	498
7	456	593	832	1,026	1,341	1,829	1,923	1,565	802	641	480	423
8	454	597	829	1,061	1,370	1,857	1,938	1,547	786	627	481	410
9	445	695	826	1,096	1,379	1,880	1,940	1,566	768	625	483	407
10	436	672	852	1,116	1,375	1,895	1,925	1,568	755	615	488	404
11	434	633	881	1,130	1,359	1,912	1,901	1,558	747	595	499	401
12	439	629	853	1,137	1,373	1,935	1,895	1,525	731	565	496	406
13	449	642	863	1,140	1,374	1,953	1,883	1,501	721	563	497	400
14	455	664	853	1,148	1,368	1,979	1,889	1,473	718	559	484	396
15	458	660	871	1,163	1,353	1,984	1,889	1,459	710	552	482	402
16	483	651	877	1,169	1,357	2,005	1,878	1,453	708	542	486	394
17	485	649	884	1,176	1,356	2,059	1,849	1,427	703	528	492	402
18	495	659	874	1,176	1,374	2,074	1,812	1,434	687	538	483	421
19	503	671	875	1,188	1,393	2,074	1,796	1,398	673	541	485	420
20	499	714	892	1,181	1,431	2,045	1,761	1,361	664	545	487	415
21	498	711	911	1,182	1,451	2,055	1,793	1,325	662	546	489	415
22	498	724	916	1,188	1,464	2,069	1,777	1,271	664	538	482	416
23	507	761	924	1,204	1,472	2,051	1,770	1,249	667	535	471	414
24	545	755	930	1,225	1,473	2,066	1,750	1,226	665	534	457	421
25	569	738	930	1,233	1,470	2,056	1,730	1,192	662	537	472	421
26	593	741	935	1,242	1,460	2,035	1,725	1,151	658	531	480	421
27	576	751	943	1,258	1,465	1,972	1,716	1,127	655	522	479	435
28	553	768	945	1,254	1,471	1,953	1,694	1,098	652	514	483	441
29	538	672	926	1,263	1,494	1,982	1,682	1,060	662	515	477	439
30	546	-	946	1,287	1,535	1,964	1,670	1,019	642	509	479	445
31	555	-	960	-	1,583	-	1,632	978	-	490	-	457
TOTAL	15,221	18,683	27,251	34,233	43,516	57,842	56,652	42,980	22,052	17,793	14,459	13,005
MAXIMUM INSTANT.	3,331	8,280	5,691	7,394	6,675	7,576	7,327	4,694	3,126	7,000	2,275	9,289
MINIMUM INSTANT.	111	67	143	86	223	215	349	84	64	40	66	22
MEAN	491	661	879	1,141	1,404	1,928	1,827	1,386	735	574	482	420
TOTAL AC. FT.	30,190	37,057	54,052	67,900	86,313	114,728	112,368	85,250	43,740	35,292	28,679	25,795
WHOLE YEAR:-	TOTAL,	363,687	MAX.,	9,289	MIN.,	22	MEAN,	996	TOTAL AC.FT.,	721,364		

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

Year: 2001

Quantities in acre-feet except where noted...

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954				4,038	2,977	1,479	3,897	2,559	514	626	966	1,870	
1955	2,358	1,921	1,821	2,386	1,390	3,298	1,929	402	(314)	551	1,065	2,524	19,331
1956	5,828	1,732	2,448	2,860	2,366	1,406	2,347	3,061	1,119	5,799	1,356	1,452	31,774
1957	2,114	886	1,097	169	1,251	397	918	1,114	(369)	48	743	1,057	9,425
1958	1,494	2,918	6,644	14,550	4,681	(801)	(4,348)	5,125	1,735	222	1,168	1,289	34,677
1959	1,299	1,068	1,544	1,299	540	(936)	3,318	1,199	(880)	(880)	438	797	7,997
1960	1,071	2,739	1,633	1,581	92	1,601	1,311	1,559	149	502	1,060	1,099	14,397
1961	815	757	914	971	787	126	264	814	734	257	673	1,196	8,308
1962	1,085	6,284	5,125	7,050	4,778	2,709	2,271	1,753	633	1,041	1,753	835	34,380
1963	1,005	2,190	1,900	1,827	3,826	1,339	2,855	4,520	2,424	2,710	2,045	1,936	28,577
1964	1,692	472	2,378	3,237	1,275	2,408	1,793	577	346	432	926	2,729	18,265
1965	3,172	1,460	2,608	4,776	811	(367)	151	(2,100)	(46)	1,941	1,036	2,285	15,727
1966	2,286	997	1,303	2,095	803	(63)	1,229	1,932	(58)	1,214	1,740	14,810	28,288
1967	3,856	3,320	3,094	3,945	1,998	7,531	5,736	10,549	1,517	1,296	2,619	2,688	48,149
1968	1,870	1,300	1,400	1,224	1,383	1,757	2,220	1,993	418	936	1,687	2,428	18,616
1969	19,079	17,945	23,687	40,391	20,384	11,064	18,659	17,163	5,750	2,480	2,457	3,381	182,440
1970	4,742	2,450	3,028	1,168	186	2,916	869	1,434	739	655	2,794	1,814	22,795
1971	2,309	1,547	1,547	1,202	2,154	1,500	808	707	211	156	785	1,833	14,671
1972	1,634	1,204	975	1,003	501	844	180	42	16	777	222	1,075	8,473
1973	3,146	4,182	7,686	7,394	6,123	3,811	1,882	3,879	4,168	1,982	1,890	2,699	48,842
1974	4,393	2,003	5,145	6,054	1,704	1,011	817	2,357	3,055	2,717	2,303	2,894	34,453
1975	704	1,299	2,925	2,641	4,023	2,265	1,565	55	699	497	189	746	17,608
1976	1,646	1,503	1,373	1,562	386	1,675	833	821	1,914	1,679	1,172	1,120	15,684
1977	1,174	1,652	1,844	954	1,124	1,087	622	1,001	663	184	260	2,130	12,715
1978	4,577	26,353	12,041	11,512	11,745	4,945	7,597	736	2,682	1,438	2,039	1,656	87,321
1979	1,724	3,158	5,330	2,675	1,718	494	(415)	234	516	1,428	476	1,544	18,882
1980	6,814	9,429	8,860	7,525	3,543	7,595	9,802	8,239	(86)	2	(58)	1,426	63,091
1981	2,861	1,313	2,041	1,858	1,129	140	148	1,786	958	764	459	1,798	15,255
1982	3,805	3,501	7,352	10,277	1,973	3,885	5,471	3,876	1,128	1,256	1,897	4,141	48,562
1983	6,887	17,322	37,912	24,107	12,710	4,711	3,097	2,414	7,454	6,473	5,718	9,390	138,195
1984	7,549	5,329	5,418	3,381	2,701	2,213	4,495	3,970	1,434	328	1,460	3,897	42,175
1985	3,759	3,640	3,865	2,714	(625)	(598)	2,687	517	279	1,497	2,264	3,501	23,515
1986	3,734	6,350	8,619	9,540	9,416	13,375	13,999	11,019	2,280	2,850	2,957	2,192	86,331
1987	3,123	2,239	3,822	738	2,535	1,611	1,486	1,149	696	901	418	669	19,387
1988	713	764	1,228	(51)	(15)	495	(485)	100	534	415	1,042	870	5,610
1989	551	962	3,415	1,188	2,049	1,464	(716)	671	(3)	376	150	973	11,080
1990	1,471	1,278	1,669	42	298	59	(1,580)	228	170	571	763	1,300	6,269
1991	1,351	683	3,089	2,983	849	(236)	376	662	(66)	(26)	1,205	1,429	12,309
1992	1,384	2,297	1,800	1,196	(294)	(288)	16	267	352	(222)	(433)	1,183	7,258
1993	3,131	3,757	4,177	2,110	(1,854)	(1,528)	(638)	(1,789)	366	903	308	1,019	9,962
1994	604	1,351	446	226	(1,152)	(367)	258	746	(89)	208	537	1,435	4,203
1995	4,978	2,805	10,025	5,664	10,025	11,210	10,055	11,347	1,380	2,463	1,784	3,132	74,868
1996	3,627	10,773	8,346	4,362	7,908	3,906	2,628	2,405	531	716	1,360	5,573	52,135
1997	14,168	9,981	7,447	911	2,616	4,619	809	(1,658)	2,448	(1,509)	(1,397)	4,441	42,876
1998	5,482	34,907	24,539	25,855	30,900	25,533	16,059	12,476	4,730	1,088	155	3,425	183,940
1999	3,772	4,820	3,236	3,148	1,092	1,033	1,516	2,094	624	1,088	122	690	23,235
2000	1,637	3,112	3,640	517	(688)	(562)	543	1,896	(3)	795	803	801	12,491
2001	1,144	1,377	1,200	1,240	(807)	1,613	821	250	(385)	(428)	437	1,202	7,664
Total	157,618	219,330	251,301	238,126	163,315	133,384	130,165	125,071	53,584	49,988	54,895	114,355	1,691,132
Maximum	19,079	34,907	37,912	40,391	30,900	25,533	18,659	17,163	7,454	6,473	5,718	14,810	183,940
Minimum	354	472	446	(51)	(1,854)	(1,528)	(4,348)	(2,100)	(385)	(1,509)	(1,397)	669	
Mean	3,354	4,667	5,347	4,961	3,402	2,779	2,712	2,606	1,116	1,041	1,144	2,382	35,510
Mean CFS	55	83	87	83	55	47	44	42	19	17	19	39	49

MIDNIGHT STORAGE IN ACRE-FEET

Isabella Reservoir Daily Mean Storage (1954-2001)

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	153,678	165,729	176,449	189,638	218,141	286,417	303,407	259,448	205,966	177,983	158,298	148,926
2	153,920	166,131	176,849	190,425	219,775	288,536	302,804	257,709	204,797	177,159	157,874	148,816
3	154,616	166,247	177,183	191,127	221,411	290,515	302,130	255,872	203,640	176,165	157,456	148,873
4	154,936	166,326	177,641	191,772	223,133	292,299	301,466	254,005	202,527	175,584	157,027	148,833
5	155,193	166,429	178,225	192,377	224,810	294,028	300,641	252,060	201,562	174,796	156,568	149,318
6	155,343	166,565	178,577	193,008	226,599	295,647	299,727	250,053	200,662	173,977	156,136	152,347
7	155,481	166,751	178,838	193,605	228,360	297,244	298,711	248,080	199,716	173,218	155,695	152,959
8	155,621	167,061	179,163	194,133	230,132	298,669	297,561	246,168	198,759	172,451	155,276	153,120
9	155,722	167,548	179,452	194,722	232,025	299,954	296,344	244,132	197,800	171,694	154,842	153,203
10	155,844	168,009	179,833	195,306	234,067	301,154	295,080	242,097	196,833	170,945	154,426	153,315
11	156,039	168,253	180,311	196,239	236,080	302,184	293,750	240,114	195,893	170,234	154,034	153,523
12	156,511	168,451	180,672	197,205	238,065	303,111	292,340	238,151	195,014	169,599	153,623	153,620
13	157,122	168,963	180,952	198,110	240,129	303,831	290,928	236,163	194,102	168,936	153,239	153,671
14	157,732	169,461	181,283	198,977	242,176	304,504	289,506	234,213	193,174	168,286	152,865	153,683
15	158,079	169,919	181,519	199,842	244,308	305,041	287,985	232,262	192,251	167,652	152,511	153,676
16	158,581	170,355	181,765	200,683	246,503	305,489	286,470	230,355	191,326	167,052	152,126	153,663
17	158,997	170,769	182,084	201,580	248,744	305,782	284,930	228,437	190,425	166,499	151,796	153,628
18	159,215	171,658	182,369	202,494	251,077	305,936	283,429	226,504	189,551	165,913	151,542	153,577
19	159,562	172,431	182,683	203,422	253,574	306,119	281,873	224,662	188,691	165,321	151,245	153,426
20	159,867	173,240	182,971	204,437	256,084	306,317	280,265	222,862	187,836	164,746	150,925	153,417
21	160,195	173,755	183,356	205,513	258,583	306,413	278,576	221,064	187,015	164,118	150,657	153,348
22	160,495	174,201	183,799	206,643	261,155	306,420	276,929	219,358	186,176	163,521	150,485	153,418
23	160,777	174,648	184,247	207,735	263,740	306,384	275,247	217,650	185,329	162,936	150,271	154,055
24	161,223	174,981	184,724	208,783	266,310	306,184	273,570	215,987	184,507	162,363	150,118	154,419
25	162,537	175,359	185,214	209,866	268,798	305,929	271,848	214,343	183,753	161,761	150,023	154,732
26	163,387	175,637	185,718	210,964	271,347	305,647	270,070	212,749	183,186	161,201	149,815	154,991
27	163,895	175,907	186,286	212,177	273,905	305,398	268,320	211,183	182,509	160,695	149,542	155,354
28	164,213	176,128	186,936	213,518	276,463	305,073	266,554	209,682	181,746	160,189	149,303	155,591
29	164,418	-	187,532	214,952	279,066	304,588	264,749	208,230	180,987	159,895	149,107	155,723
30	164,574	-	188,129	216,512	281,546	304,028	262,960	206,844	180,235	159,225	149,053	155,836
31	165,015	-	188,864	-	284,028	-	261,169	205,513	-	158,801	-	155,884
MAXIMUM DAY	165,015	176,128	188,864	216,512	284,028	306,420	303,407	259,448	205,966	177,983	158,298	155,884
MINIMUM DAY	153,678	165,729	176,449	189,638	218,141	286,417	261,169	205,513	180,235	158,801	149,053	148,816

HISTORICAL INFLOWS TO LAKE ISABELLA

Runoff in 1,000 acre-feet

WATER YEAR ENDING	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL TOTAL
1955	11.8	14.4	16.0	18.1	22.7	28.1	35.1	67.9	83.4	29.1	18.9	10.3	355.8
1956	9.5	11.5	90.4	77.1	48.2	59.9	94.5	156.3	167.4	97.2	38.1	20.3	870.4
1957	17.6	15.7	15.1	16.4	25.3	30.3	38.5	78.1	131.8	41.0	16.4	12.5	438.7
1958	13.6	13.3	17.6	20.6	36.5	61.5	153.6	312.3	231.7	120.1	51.1	25.8	1057.7
1959	20.6	18.7	17.8	19.3	21.2	31.7	39.5	39.4	33.0	15.8	9.9	8.6	276.5
1960	9.6	9.7	10.3	12.2	27.9	30.2	44.5	58.0	45.5	15.1	7.9	8.4	279.3
1961	9.5	13.0	11.7	10.6	10.0	13.1	23.0	29.1	23.8	8.5	15.1	7.6	175.0
1962	7.1	8.8	11.0	12.4	47.1	32.4	140.5	130.8	154.7	72.1	23.7	13.1	653.7
1963	12.9	11.6	11.1	26.5	99.6	41.0	67.6	134.0	162.3	102.6	42.2	26.5	737.9
1964	24.5	23.8	21.5	18.2	16.6	22.7	39.6	60.0	52.3	22.0	13.3	8.6	323.1
1965	8.7	13.9	44.2	43.5	30.2	33.2	74.5	131.0	149.9	94.9	50.7	22.0	696.7
1966	15.6	28.4	28.3	27.0	21.4	37.8	66.7	81.5	45.4	21.9	16.1	9.6	399.7
1967	9.5	13.7	299.0	59.6	62.5	83.2	95.5	288.1	302.9	238.1	90.5	53.5	1576.1
1968	34.9	31.9	33.0	32.2	38.9	47.1	64.4	86.7	62.1	28.4	18.4	11.3	489.3
1969	12.6	15.3	17.1	159.4	93.4	133.9	337.4	597.5	485.6	236.0	93.8	44.3	2226.3
1970	33.3	32.4	30.9	61.8	39.0	56.9	62.1	109.8	92.7	49.2	22.7	13.4	604.2
1971	12.7	18.8	26.8	31.5	29.4	40.6	51.1	64.4	81.1	41.6	18.9	11.1	428.0
1972	11.4	13.4	17.2	18.2	17.6	32.3	27.3	45.4	37.7	14.6	10.7	11.2	257.0
1973	10.6	14.5	19.3	30.5	32.2	45.0	103.9	282.5	226.5	91.8	36.9	18.8	912.5
1974	16.8	20.4	25.1	45.6	28.1	68.8	108.1	182.2	166.7	68.6	37.6	20.4	788.4
1975	19.1	17.6	20.6	21.1	25.3	39.9	43.9	142.8	138.8	50.3	22.4	16.2	558.0
1976	15.1	14.7	15.6	14.6	15.3	21.8	24.2	47.0	18.9	13.9	13.7	23.1	237.9
1977	18.7	11.7	10.0	12.2	12.0	12.6	22.4	24.3	34.5	10.3	9.8	7.0	185.5
1978	7.9	8.1	21.8	42.0	90.0	163.4	170.2	352.2	351.9	188.1	73.1	58.9	1527.6
1979	28.1	24.3	27.2	32.2	38.7	66.9	99.4	164.0	105.5	47.0	26.9	19.1	679.3
1980	18.2	18.2	17.7	138.7	159.4	130.7	204.1	284.4	274.9	198.9	69.9	35.1	1550.2
1981	27.1	24.9	28.0	25.9	33.4	43.6	67.5	90.8	65.7	25.5	15.6	12.2	460.2
1982	14.0	18.5	21.4	33.9	49.5	71.4	202.9	253.0	194.9	124.6	58.1	60.6	1102.8
1983	45.1	55.2	73.7	81.0	121.2	227.6	182.2	465.9	567.1	285.8	152.5	61.0	2318.3
1984	46.9	65.9	93.6	69.1	55.0	77.3	88.0	159.4	90.7	72.4	45.6	26.9	890.8
1985	26.2	33.6	35.6	36.7	37.0	49.5	133.6	147.4	100.4	38.7	23.4	16.7	678.8
1986	15.1	20.0	30.4	38.9	143.6	196.2	198.6	283.9	250.4	107.4	46.1	24.3	1354.9
1987	25.5	22.4	21.3	22.5	27.3	37.7	54.5	72.6	54.5	23.4	13.6	10.0	385.3
1988	10.6	14.3	15.5	22.0	19.1	29.0	39.6	58.4	42.6	21.5	13.4	10.2	296.2
1989	8.9	9.9	14.6	15.4	22.6	64.0	90.2	69.8	48.4	22.1	12.3	10.2	388.4
1990	10.4	10.5	10.0	11.4	11.8	44.2	32.0	38.5	29.1	14.9	8.2	6.3	204.5
1991	8.3	7.6	7.8	9.6	8.5	44.2	55.2	78.9	100.7	37.9	14.1	11.1	383.9
1992	9.4	12.7	11.6	12.7	20.0	24.6	54.2	74.7	33.3	16.3	11.7	7.5	288.7
1993	9.6	11.5	13.4	36.1	35.8	90.1	131.9	202.9	163.9	88.0	34.6	16.1	833.9
1994	13.4	14.1	17.1	18.3	22.6	38.1	46.3	68.4	56.6	20.8	11.2	9.1	336.0
1995	14.6	12.2	14.1	41.9	45.9	146.4	137.6	245.0	281.9	227.7	78.3	37.7	1283.3
1996	21.7	20.4	25.7	36.7	87.8	99.7	143.7	218.1	150.6	67.9	29.9	16.0	918.2
1997	15.1	39.5	80.9	231.9	94.8	113.0	142.0	211.7	137.7	39.7	39.7	23.6	1201.0
1998	22.5	25.1	26.1	40.4	101.4	126.8	163.9	277.5	346.3	251.4	82.0	46.2	1509.6
1999	35.2	33.1	29.8	33.9	33.6	35.3	52.7	94.1	67.7	31.3	15.0	12.0	473.7
2000	10.6	12.2	12.4	17.5	32.0	46.5	66.9	130.1	81.9	27.8	14.7	10.9	463.5
2001	12.1	12.0	11.9	14.3	17.6	35.7	57.1	125.2	41.4	23.8	11.3	9.3	371.7
MEAN	17.3	19.4	31.3	39.4	44.9	63.5	93.0	155.2	139.7	74.8	33.6	20.3	732.5

PRECIPITATION DATA -- ISABELLA DAM & RESERVOIR

OCTOBER 1949 TO DATE

(In Inches)

WATER

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1949-50	0.05	0.65	1.32	1.37	2.60	1.02	0.44	0.00	0.00	0.23	0.11	0.21	8.00
1950-51	0.08	3.16	0.98	1.12	0.18	0.11	0.93	0.03	0.00	0.00	0.00	0.00	6.59
1951-52	0.35	0.47	4.77	5.52	0.37	3.26	0.12	0.00	0.00	0.00	0.00	0.11	14.97
1952-53	0.00	1.98	3.09	2.39	0.04	0.67	1.20	0.20	0.00	0.00	0.09	0.00	9.66
1953-54	0.13	0.90	0.78	1.88	2.26	2.13	0.16	0.07	0.00	0.00	0.00	0.02	8.33
1954-55	0.00	0.80	1.30	2.47	1.05	0.00	0.67	0.78	0.00	0.00	0.00	0.00	7.07
1955-56	0.00	1.34	4.01	4.25	0.26	0.03	1.51	0.43	0.00	0.20	0.00	0.00	12.03
1956-57	0.42	0.00	0.17	1.88	0.96	0.84	0.72	1.03	0.00	0.02	0.00	0.00	6.05
1957-58	0.19	0.33	1.63	3.09	4.45	3.63	2.77	0.24	0.00	0.00	0.00	0.00	16.58
1958-59	0.17	0.49	0.02	0.64	1.54	0.08	0.45	0.07	0.00	0.00	0.05	0.00	6.03
1959-60	0.00	0.00	0.97	1.77	6.48	0.43	1.28	0.34	0.00	0.00	0.00	0.34	3.80
1960-61	0.12	1.26	0.12	0.50	0.01	1.59	0.51	0.16	0.00	0.00	1.20	0.07	11.34
1961-62	0.00	2.15	0.79	2.55	5.35	1.26	0.00	0.08	0.11	0.02	0.00	0.00	5.60
1962-63	0.03	0.00	0.00	1.52	3.06	2.06	0.00	0.10	0.00	0.00	0.00	0.00	12.18
1963-64	2.02	1.20	0.46	0.97	0.07	1.93	1.07	0.13	0.72	0.00	1.16	0.00	10.91
1964-65	0.47	1.82	3.99	1.75	0.27	1.21	2.58	0.18	0.13	0.39	0.50	0.20	7.63
1965-66	0.00	2.76	2.37	0.66	0.75	0.22	0.00	0.18	0.00	0.00	0.80	0.00	13.49
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.24	0.30	0.23	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.55	0.95	0.01	0.00	0.01	0.11	0.00	7.98
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.77	0.35	0.00	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.00	0.34	0.00	0.00	0.00	7.56
1970-71	0.04	3.47	2.20	0.54	0.37	0.45	0.66	0.89	0.00	0.02	0.00	0.00	7.67
1971-72	0.05	0.47	3.04	0.00	0.39	0.00	0.37	0.05	0.80	0.06	0.00	0.00	9.22
1972-73	0.66	3.13	2.48	3.96	2.57	2.65	0.25	0.25	0.00	0.00	0.34	0.03	5.54
1973-74	0.11	1.26	1.25	2.75	0.09	2.00	0.95	0.25	0.00	0.00	0.00	0.00	15.95
1974-75	2.30	0.10	1.96	0.65	1.82	2.77	1.95	0.39	0.00	0.78	0.00	0.00	10.58
1975-76	0.41	0.22	0.07	0.02	1.25	1.61	0.89	0.05	0.00	0.41	0.00	1.85	12.01
1976-77	0.23	0.07	0.32	1.04	0.75	1.04	0.00	0.91	0.00	0.00	0.00	5.20	10.13
1977-78	0.02	0.17	5.02	4.51	7.44	3.46	0.87	0.00	0.39	0.00	0.87	0.00	6.08
1978-79	0.02	0.39	1.11	3.24	3.22	2.54	0.00	0.19	0.00	0.03	0.00	1.33	22.85
1979-80	0.95	0.33	0.34	7.71	4.32	2.84	0.51	0.55	0.00	0.03	0.14	0.00	11.81
1980-81	0.09	0.01	0.63	2.65	3.05	3.05	0.23	0.34	0.00	0.00	0.00	0.00	16.56
1981-82	1.05	1.17	1.16	4.04	1.15	4.27	1.59	0.01	0.00	0.00	0.00	0.04	8.53
1982-83	0.78	3.14	3.78	4.31	4.36	5.96	0.58	0.09	0.00	0.00	0.13	0.71	15.32
1983-84	0.63	3.49	3.56	0.00	1.13	0.31	0.51	0.00	0.00	2.01	0.63	0.00	24.34
1984-85	0.62	2.90	1.93	0.68	1.16	1.71	0.03	0.00	0.00	0.00	0.00	0.00	12.29
1985-86	0.10	2.27	1.43	2.94	3.58	3.58	0.10	0.00	0.00	0.38	0.00	0.15	9.18
1986-87	0.24	0.54	0.27	2.65	2.03	1.88	0.10	0.00	0.00	0.00	0.00	0.27	14.65
1987-88	0.62	0.87	1.36	1.80	0.40	0.24	1.41	0.42	0.48	0.00	0.00	0.00	8.65
1988-89	0.00	1.75	3.15	0.29	2.24	2.28	0.09	0.04	0.05	0.51	0.00	0.00	7.76
1989-90	0.11	0.30	0.00	1.33	1.00	0.67	0.44	0.26	0.00	0.00	0.00	0.62	10.46
1990-91	0.01	0.61	0.74	0.99	1.17	6.43	0.03	0.09	0.00	0.00	0.00	0.35	4.48
1991-92	0.53	1.30	1.45	1.02	3.10	1.82	0.00	0.12	0.00	0.00	0.01	0.19	10.27
1992-93	0.94	0.00	2.80	4.09	4.15	0.79	0.00	0.00	0.64	0.00	0.00	0.00	9.34
1993-94	0.12	1.52	1.60	0.66	3.10	0.76	0.87	0.19	0.00	0.00	0.00	0.00	13.41
1994-95	0.31	1.45	0.71	7.26	1.35	3.83	0.38	0.55	0.00	0.00	0.00	0.25	9.07
1995-96	0.00	0.00	1.79	4.36	5.03	1.47	0.53	0.00	0.40	0.00	0.51	0.00	16.75
1996-97	0.66	2.38	4.29	3.90	0.13	0.60	0.00	0.00	0.00	0.00	0.00	0.00	13.18
1997-98	0.40	1.76	1.74	2.72	10.60	2.87	0.52	1.74	0.00	0.08	1.02	0.00	12.46
1998-99	0.12	1.03	0.60	3.82	0.51	0.57	1.65	0.98	0.09	0.00	0.00	0.09	22.53
1999-00	0.00	0.18	0.00	3.98	3.98	0.79	0.56	0.10	0.00	0.04	0.00	0.39	9.71
2000-01	0.51	0.14	0.23	2.28	3.16	0.15	1.86	0.00	0.00	0.00	0.07	0.00	7.23
AVERAGE	0.33	1.16	1.79	2.49	2.20	1.68	0.72	0.25	0.09	0.12	0.17	0.34	11.33
MAXIMUM	2.30	3.49	11.53	9.56	10.60	6.43	2.77	1.74	0.80	2.01	1.20	5.20	24.34
DAILY MAXIMUM	0.96	2.85	5.20	2.40	3.40	1.72	1.45	0.75	0.50	0.88	1.01	3.09	
DATE OF OCCURRENCE	10/17/63	11/20/50	12/05/66	01/16/96	02/01/60	03/04/91	04/02/74	05/26/99	06/08/72	07/16/84	08/08/63	09/30/76	

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

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1956	46.6	43.7	52.5	55.6	65.0	74.0	79.8	76.2	74.7	59.1	53.7	46.8	60.6
1957	40.6	52.5	52.0	58.1	62.8	77.3	81.9	78.4	73.5	59.3	49.8	48.9	61.1
1958	46.3	49.3	47.6	56.1	68.7	72.2	79.7	82.8	74.9	67.3	52.1	50.8	62.3
1959	47.6	46.1	56.5	64.1	62.8	77.2	86.4	79.9	76.4	65.4	55.6	47.3	63.3
1960	41.7	45.8	55.6	57.2	63.6	79.8	83.0	80.0	76.0	61.6	50.9	45.3	61.7
1961	48.0	50.0	50.7	59.5	62.0	79.4	84.5	81.3	71.2	62.3	49.6	44.7	61.9
1962	44.7	46.4	48.0	61.3	60.9	73.4	79.6	79.0	74.4	63.2	53.0	47.8	61.0
1963	44.0	52.7	48.6	50.2	63.5	68.2	76.7	76.1	74.3	62.7	51.0	46.1	59.5
1964	43.3	44.8	47.2	53.6	60.6	70.5	78.8	78.8	70.1	66.8	48.6	47.2	59.2
1965	46.1	47.9	49.6	54.1	60.7	67.1	77.3	76.8	66.5	64.4	51.8	43.6	58.8
1966	41.9	43.8	52.4	60.7	68.0	73.3	77.8	79.5	72.4	62.2	51.2	44.4	60.6
1967	44.4	47.9	50.9	45.4	62.6	69.2	80.9	82.1	72.3	63.9	56.4	39.7	59.6
1968	42.8	52.2	53.0	55.7	63.6	74.4	80.6	74.8	71.9	61.0	50.8	40.7	60.1
1969	44.0	42.4	48.1	54.3	65.9	69.6	78.9	79.4	73.1	57.6	53.3	45.0	59.3
1970	45.6	50.4	49.9	51.0	65.8	72.7	81.6	80.1	69.6	60.1	52.4	41.3	60.0
1971	44.8	44.8	50.6	52.5	58.3	70.7	79.7	76.1	68.2	56.4	48.6	38.8	57.9
1972	42.0	49.1	56.1	56.1	65.6	73.5	80.5	76.1	68.2	56.8	45.7	39.6	57.6
1973	40.3	45.7	42.8	53.0	64.9	73.1	76.9	74.8	68.5	59.1	46.9	44.9	59.1
1974	41.3	44.6	49.4	51.2	62.2	72.5	76.6	76.2	74.2	57.6	47.7	45.1	58.4
1975	43.1	43.6	45.7	45.7	60.7	71.2	75.9	73.6	68.3	60.3	53.6	44.5	56.9
1976	44.2	45.7	47.4	50.6	65.7	71.2	77.5	70.5	68.3	62.3	51.1	47.3	59.0
1977	42.8	48.4	43.8	57.5	55.4	74.0	77.6	72.2	70.0	65.3	47.2	39.7	58.3
1978	44.3	46.1	53.1	50.9	60.4	71.7	76.7	76.8	74.0	61.8	50.0	48.4	59.1
1979	40.7	41.7	48.5	60.6	63.2	71.4	75.9	75.3	69.2	63.2	52.4	49.0	59.1
1980	47.5	49.1	46.5	54.8	57.7	66.8	77.8	78.2	73.2	56.9	47.1	41.9	60.9
1981	48.3	49.5	47.7	57.0	63.6	76.0	79.1	79.7	73.2	52.9	48.6	43.2	57.8
1982	41.8	47.8	47.4	52.5	63.6	68.6	75.6	77.1	68.5	59.2	50.2	46.1	58.5
1983	45.2	47.2	48.5	49.9	61.4	69.2	73.0	75.7	74.0	61.3	47.0	44.5	59.6
1984	47.0	46.6	51.4	52.6	67.3	70.6	80.9	78.2	74.6	55.7	48.3	41.9	58.6
1985	43.2	45.7	46.5	59.3	62.9	75.1	79.9	75.3	65.1	59.0	47.0	44.5	58.6
1986	49.7	49.0	53.5	54.9	63.5	73.7	75.7	78.6	64.1	58.2	51.0	43.0	59.6
1987	38.9	45.9	47.5	59.0	59.6	73.8	72.6	76.5	69.6	64.4	48.6	38.8	58.2
1988	42.3	48.5	50.8	55.1	59.6	70.3	80.2	77.9	72.5	66.1	50.3	43.1	59.7
1989	41.8	43.4	52.7	61.7	63.0	72.1	78.4	74.3	68.4	58.6	51.8	44.2	59.2
1990	42.5	42.6	50.7	57.9	61.7	71.9	80.1	74.9	69.6	62.7	49.4	37.4	58.5
1991	42.7	50.8	43.6	51.2	56.7	71.0	82.1	77.8	67.6	67.6	53.4	45.2	59.9
1992	43.4	49.2	52.4	62.5	71.7	73.3	79.1	81.3	74.5	64.8	51.3	42.0	62.1
1993	42.5	45.5	54.9	56.8	65.3	70.5	76.7	77.0	72.5	62.7	50.9	43.2	59.9
1994	46.5	45.6	54.7	58.1	66.8	79.6	86.8	85.5	76.7	64.8	48.0	46.1	63.3
1995	45.2	56.1	53.8	56.2	61.4	71.4	81.0	81.7	76.9	68.5	60.8	48.5	63.5
1996	47.1	48.8	52.7	58.8	64.7	74.1	82.3	82.0	73.4	61.2	52.7	48.1	62.2
1997	46.4	48.1	57.1	58.3	71.2	72.4	78.8	80.0	74.6	61.4	52.6	44.2	62.1
1998	46.7	44.3	52.7	56.1	67.8	67.8	80.5	82.5	71.2	59.3	50.8	43.9	59.1
1999	47.9	48.1	49.1	53.2	63.8	72.3	78.9	77.5	75.9	68.0	56.4	47.8	61.5
2000	47.4	49.0	51.9	58.2	67.4	77.1	79.0	80.4	73.3	61.7	48.6	49.5	62.0
2001	44.4	44.1	54.8	53.5	73.0	76.9	79.7	81.6	76.0	67.4	54.1	43.5	62.4
Normal	44.3	47.2	50.5	55.4	63.4	72.7	79.2	78.1	72.0	62.0	51.1	44.5	60.0
Maximum	49.7	56.1	57.1	64.1	73.0	79.8	86.8	85.5	77.2	68.5	60.8	50.8	63.5
Minimum	38.9	41.7	42.8	45.4	55.4	66.8	72.6	70.5	64.1	55.7	45.7	37.4	56.9

PAN EVAPORATION AT ISABELLA DAM & RESERVOIR

OCTOBER 1953 TO DATE
(In Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	5.98	3.42	1.92	1.77	1.93	3.19	6.93	10.60	11.82	14.48	11.94	9.21	83.19
1954-55	6.57	3.03	2.02	1.24	2.52	5.05	5.94	8.93	11.76	13.92	13.67	9.66	84.31
1955-56	6.67	3.24	1.58	1.52	2.60	5.30	5.70	8.87	11.91	12.37	11.84	9.57	81.17
1956-57	4.93	3.99	2.29	1.83	2.46	4.40	6.60	7.53	12.51	13.76	12.90	9.18	82.38
1957-58	4.74	3.27	2.14	2.08	1.93	2.73	5.97	9.46	10.68	12.56	11.87	8.64	76.07
1958-59	6.54	3.03	2.60	2.36	2.13	5.95	7.98	9.73	13.56	13.76	13.76	9.03	92.20
1959-60	6.57	4.05	2.67	1.49	2.10	5.08	6.39	8.46	13.11	13.14	12.99	9.54	85.59
1960-61	5.43	2.34	2.02	2.60	3.05	4.28	7.20	8.99	13.65	15.41	10.39	9.06	84.42
1961-62	6.42	3.18	1.80	2.28	1.65	3.47	7.29	8.49	12.03	13.33	12.56	9.30	81.80
1962-63	5.55	3.00	2.70	2.82	2.74	4.46	4.38	8.31	10.74	14.32	12.03	7.89	78.94
1963-64	4.59	2.40	2.08	2.26	3.11	4.37	6.51	8.93	11.88	14.32	12.68	9.30	82.06
1964-65	6.54	2.58	2.02	1.83	2.97	3.94	4.74	8.90	13.95	13.95	10.48	8.19	74.38
1965-66	6.26	2.25	1.40	2.11	2.41	4.84	7.86	11.10	12.75	14.07	14.04	9.51	88.60
1966-67	6.20	2.55	1.58	1.89	2.52	4.43	3.72	8.22	10.20	12.71	11.63	7.41	73.06
1967-68	6.32	2.94	1.49	1.49	2.35	3.72	6.54	10.23	12.60	12.77	11.04	9.09	80.92
1968-69	5.24	2.58	1.24	1.40	1.57	4.03	5.76	9.30	9.78	12.28	12.56	8.70	74.44
1969-70	5.43	3.27	1.83	1.95	2.97	4.56	6.09	10.85	11.85	13.49	13.36	10.23	85.88
1970-71	6.63	3.51	1.36	1.74	2.77	5.61	6.63	8.49	12.51	14.38	13.30	9.93	86.86
1971-72	6.32	3.39	1.46	2.33	3.47	6.94	7.89	11.28	12.03	16.09	12.93	9.33	93.46
1972-73	5.24	2.43	1.71	2.20	2.55	3.69	7.17	10.20	13.83	15.78	13.14	10.56	88.50
1973-74	6.79	3.69	1.89	1.83	3.42	4.28	7.02	12.06	14.82	15.13	14.32	11.82	97.07
1974-75	5.64	3.24	2.20	2.51	2.52	3.97	5.70	11.53	15.72	16.93	15.53	10.68	96.17
1975-76	6.39	3.87	2.45	3.69	3.61	6.11	8.04	13.86	15.68	15.93	13.27	8.88	101.78
1976-77	6.17	3.72	2.76	2.14	3.75	5.49	10.05	9.36	15.03	18.45	15.41	11.52	103.85
1977-78	7.56	4.47	2.70	1.77	2.55	4.34	6.15	12.21	15.36	16.34	14.82	8.76	97.03
1978-79	7.56	3.24	1.67	2.14	2.18	4.37	7.83	11.87	15.08	15.97	13.96	10.98	96.25
1979-80	6.14	3.42	2.39	2.05	2.63	4.22	7.23	8.46	12.39	14.23	14.14	9.78	87.08
1980-81	6.96	4.05	2.82	2.39	3.11	3.94	7.98	11.56	17.16	17.92	15.69	8.28	104.92
1981-82	5.55	3.66	2.36	2.08	3.06	3.66	6.84	11.19	12.15	15.28	13.36	8.28	87.47
1982-83	5.77	2.70	1.80	2.11	2.10	3.78	5.67	10.91	13.32	14.32	10.11	9.81	82.40
1983-84	5.30	2.43	1.86	2.82	3.22	5.83	7.71	13.61	14.22	13.14	12.06	10.20	96.37
1984-85	5.95	2.73	1.92	2.26	3.00	4.56	8.76	12.43	15.18	16.03	14.76	8.79	96.74
1985-86	6.42	3.09	1.74	2.51	2.60	4.56	8.31	12.28	14.82	15.56	15.25	9.60	96.29
1986-87	5.98	3.81	2.11	1.83	3.30	4.46	8.52	10.45	14.19	15.59	15.31	10.74	96.74
1987-88	6.85	3.18	1.77	2.29	3.67	6.94	7.56	10.45	12.38	15.25	12.74	9.84	92.92
1988-89	6.73	3.24	1.95	2.23	2.74	6.01	9.90	12.43	14.94	18.07	14.88	9.93	103.05
1989-90	6.54	4.38	2.98	2.60	2.97	5.80	8.73	12.25	15.36	17.48	14.85	10.95	104.89
1990-91	8.40	4.02	2.54	2.48	3.84	3.75	7.98	10.35	12.96	14.07	12.65	9.60	92.64
1991-92	7.44	5.61	4.71	4.25	4.37	5.86	9.45	11.56	12.36	14.14	14.20	10.53	104.48
1992-93	6.48	4.32	4.37	3.64	4.34	4.99	7.92	10.79	12.15	14.57	13.18	9.66	96.41
1993-94	6.12	3.83	1.98	2.33	2.51	5.44	7.35	9.99	14.93	15.80	14.96	9.75	94.99
1994-95	6.06	2.95	1.94	1.94	3.09	3.59	5.83	6.64	11.12	14.96	14.20	11.02	82.74
1995-96	7.75	4.31	2.43	2.65	1.96	5.20	8.14	12.78	14.88	15.78	14.03	10.50	101.41
1996-97	6.51	3.36	1.94	1.45	3.23	6.22	8.33	12.51	14.59	13.66	13.33	9.30	92.43
1997-98	6.64	2.61	2.07	1.51	0.91	3.91	5.44	6.21	10.42	13.95	13.83	8.59	76.09
1998-99	6.18	3.09	2.55	2.75	2.88	4.71	5.58	10.74	13.18	14.56	12.93	10.54	89.69
1999-00	7.87	4.21	3.37	2.14	1.83	4.71	8.03	11.79	14.13	15.27	14.59	10.46	98.40
2000-01	6.08	3.27	3.19	2.28	2.28	5.67	6.57	13.31	15.73	14.94	15.09	11.28	99.26
MEAN	6.29	3.35	2.22	2.20	2.73	4.72	7.10	10.43	13.16	14.78	13.37	9.72	90.07

ISABELLA RESERVOIR EVAPORATION

April 1954 to Date

Year: 2001

Quantities in acre-feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954				181	1,662	2,554	2,599	1,563	833	436	192	109	10,129
1955	72	117	236	141	526	1,547	1,705	1,375	847	542	258	190	7,556
1956	407	788	1,444	1,797	3,330	5,496	6,084	5,484	4,183	2,056	1,650	897	33,616
1957	628	724	1,258	1,823	2,210	4,588	5,173	4,512	3,068	1,588	1,107	700	27,379
1958	593	494	734	2,043	4,470	6,462	7,720	6,843	4,729	3,521	1,603	700	40,519
1959	1,021	811	2,148	2,880	3,711	4,983	4,439	3,503	2,263	1,728	1,087	684	29,258
1960	323	466	1,099	1,505	2,287	3,372	2,720	2,128	1,379	793	341	280	16,683
1961	315	319	419	780	1,158	2,178	2,204	1,200	930	647	329	168	10,647
1962	188	182	446	1,105	2,307	4,128	4,840	4,084	2,880	1,684	916	770	23,530
1963	694	930	1,523	1,577	3,503	5,534	8,202	6,696	4,136	2,289	1,172	962	37,218
1964	916	1,105	1,418	2,162	3,221	4,584	4,842	3,915	2,836	2,057	849	635	28,540
1965	595	857	1,053	1,368	3,251	4,757	5,986	5,397	4,169	3,098	1,103	656	32,290
1966	843	833	1,555	2,624	4,159	5,117	5,246	4,576	2,821	1,819	767	928	31,288
1967	970	1,071	1,874	1,700	3,931	5,960	8,805	8,051	4,574	3,578	1,597	744	42,855
1968	801	930	1,380	2,511	4,243	5,574	5,258	4,048	3,239	1,954	991	476	31,405
1969	494	668	1,511	1,886	4,334	6,486	8,916	9,046	5,911	3,560	1,968	980	45,760
1970	885	1,289	1,935	2,593	4,954	6,051	6,959	6,376	4,597	3,010	1,623	619	40,891
1971	700	990	1,836	2,277	3,181	5,337	6,227	5,233	3,678	2,370	1,304	545	33,678
1972	729	1,000	1,807	2,045	3,096	5,512	4,154	2,703	1,816	1,059	524	355	22,800
1973	434	496	760	1,738	4,009	7,698	9,126	7,109	5,530	3,564	1,981	966	43,411
1974	825	1,347	1,622	3,023	6,119	9,055	9,630	8,904	7,073	3,308	1,864	1,166	53,936
1975	1,174	1,002	1,476	2,162	4,911	8,206	8,936	7,488	4,887	2,957	1,845	1,125	46,169
1976	1,468	1,291	1,952	2,537	4,552	5,226	4,560	3,261	2,108	1,609	984	702	30,250
1977	466	700	988	1,761	1,765	3,289	3,757	2,495	1,795	1,216	726	428	19,366
1978	343	621	1,597	2,698	5,891	9,253	10,969	9,945	6,020	5,115	2,049	996	55,497
1979	1,069	954	1,896	3,701	6,337	9,080	9,535	7,242	5,710	3,306	1,866	1,246	51,942
1980	1,047	1,375	2,229	3,715	4,943	8,289	10,374	10,171	6,637	4,544	2,446	1,565	57,335
1981	1,154	1,317	1,619	3,386	5,371	8,644	8,660	6,966	5,028	2,582	1,747	1,067	47,541
1982	827	1,093	1,333	3,172	6,563	8,180	10,967	9,418	5,732	4,096	1,769	1,053	54,193
1983	1,097	1,057	2,182	3,235	5,905	9,255	10,645	7,630	7,337	3,814	1,656	1,188	55,001
1984	1,624	1,547	2,545	3,594	7,055	8,327	7,914	7,142	6,085	3,642	1,642	1,103	52,220
1985	1,139	1,287	1,749	3,894	6,375	8,622	9,025	7,650	4,441	3,287	1,577	885	49,931
1986	1,119	1,150	2,323	4,740	7,436	10,088	10,933	10,276	6,361	3,866	2,329	1,206	61,827
1987	916	1,428	1,833	3,537	4,596	6,682	7,115	6,454	4,469	2,906	1,361	732	42,029
1988	823	1,178	1,962	2,132	3,148	4,141	4,667	3,318	2,493	1,777	865	500	27,004
1989	502	540	1,339	2,828	4,292	5,572	6,458	4,653	3,027	2,029	1,380	877	33,497
1990	667	649	1,148	1,755	2,705	3,713	3,993	2,872	2,035	1,609	797	480	22,423
1991	409	547	635	1,587	2,674	4,568	5,171	4,026	2,951	2,315	1,789	1,434	28,106
1992	1,137	1,016	1,295	2,218	3,459	4,132	4,542	4,024	2,910	1,862	1,285	1,238	29,118
1993	970	1,081	1,365	2,888	5,185	7,057	9,080	8,063	5,808	3,652	2,291	1,139	48,579
1994	1,170	1,063	2,212	2,945	4,253	6,827	6,833	5,585	3,431	2,221	1,099	704	38,343
1995	462	1,016	1,444	2,614	3,447	6,952	10,701	10,151	7,525	5,177	2,698	1,402	53,589
1996	1,341	914	2,646	5,072	7,928	9,967	10,681	9,076	6,587	4,019	2,053	1,139	61,423
1997	918	1,862	3,183	4,350	7,260	8,941	8,428	5,790	4,219	1,611	1,196	1,196	55,815
1998	768	415	1,817	2,807	3,586	6,714	10,102	10,163	6,050	4,296	1,981	1,472	50,171
1999	1,384	1,252	1,993	2,430	5,092	6,956	7,761	6,480	5,113	3,802	2,045	1,569	45,867
2000	849	649	1,686	2,971	5,060	6,944	7,315	6,327	4,320	2,499	1,363	1,252	41,235
2001	780	551	1,620	2,051	5,165	6,791	5,978	5,476	3,858	2,539	1,115	524	36,450
Average	810	914	1,576	2,470	4,263	6,177	7,009	5,990	4,167	2,700	1,408	882	38,367

ISABELLA RESERVOIR

HISTORICAL QUANTITIES OF MAXIMUM & MINIMUM STORAGE WITH DATE OF OCCURRENCE & CARRYOVER STORAGE

Units in Acre-Feet

Year	Maximum Annual Storage	Date of Occurrence	Minimum Annual Storage	Date of Occurrence	December 31 Carryover Storage
1954	85,380	June 9, 1954	0	April 16, 1954	8,670
1955	78,567	December 31	4,330	April 21	78,567
1956	283,033	June 30	79,823	January 1	130,313
1957	183,979	June 20	101,074	December 14	101,413
1958	455,162	June 28	100,947	January 23	198,112
1959	207,674	May 21	71,344	December 19	71,608
1960	119,253	May 19	29,119	December 31	29,119
1961	53,096	June 17	17,410	November 19	17,524
1962	173,675	June 29	17,448	January 11	82,849
1963	369,990	June 28	82,190	January 28	170,043
1964	203,628	June 7	94,497	December 18	118,303
1965	288,937	July 9	117,117	March 23	171,193
1966	337,369	December 21	81,941	November 27	313,258
1967	538,698	July 20	199,282	December 14	199,937
1968	261,193	June 6	119,349	December 7	124,480
1969	578,116	July 14	124,283	January 12	225,535
1970	327,771	June 10	156,517	November 24	172,038
1971	240,996	June 22	120,161	November 25	122,040
1972	126,754	June 11	50,030	October 16	55,589
1973	399,448	June 29	55,449	January 7	205,948
1974	475,881	June 23	201,710	March 1	223,930
1975	348,695	June 17	169,893	December 17	170,190
1976	171,617	January 26	67,668	December 29	67,701
1977	82,347	June 16	34,504	December 16	43,820
1978	491,451	July 16	44,060	January 1	244,904
1979	442,035	June 11	208,632	December 30	208,768
1980	585,381	July 3	208,224	January 7	229,813
1981	312,456	June 7	166,907	December 27	168,210
1982	560,083	June 29	168,984	January 1	261,558
1983	630,825	July 6	260,010	January 9	311,944
1984	407,745	June 7	244,755	December 15	244,979
1985	388,621	June 13	189,823	November 23	195,516
1986	562,134	June 16	195,579	January 1	244,085
1987	276,266	June 7	142,661	December 1	143,410
1988	158,189	June 6	72,638	December 9	73,545
1989	184,801	June 1	71,111	February 18	85,978
1990	97,420	June 12	45,895	December 18	46,014
1991	175,558	June 19	45,300	February 27	69,654
1992	153,942	June 5	82,080	December 28	82,262
1993	416,982	June 29	82,189	January 1	242,525
1994	262,332	June 6	115,492	December 24	115,585
1995	551,921	July 19	115,492	January 3	246,474
1996	546,849	June 11	244,979	December 4	252,811
1997	491,994	June 6	242,450	December 30	242,525
1998	562,474	July 24	242,005	January 31	244,904
1999	334,267	June 8	169,341	December 31	169,341
2000	293,234	June 8	129,469	December 29	129,519
2001	244,904	June 3	98,787	November 22	105,906

DANGER *Kern River Operations 2001* **SWIMMERS**

This river is extremely dangerous between June and September. Every year there have been numerous swimmers drowned.

**For your own safety,
we recommend you--**

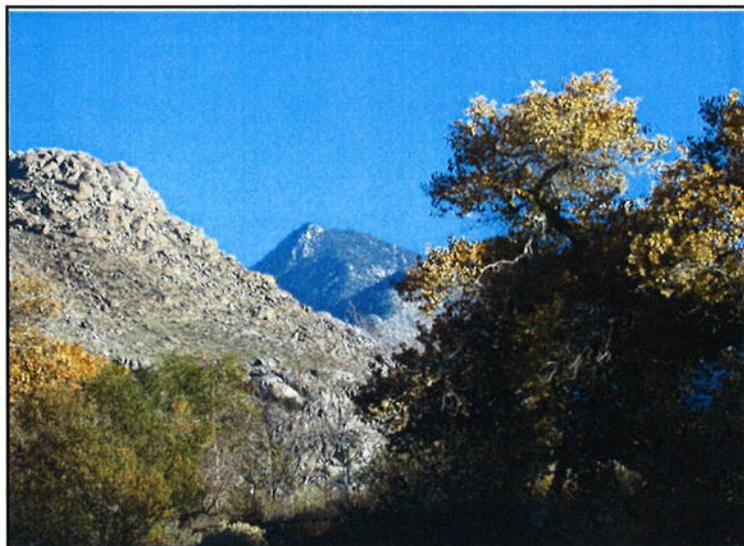
Do Not Swim in this river!

**CHARLES H. DODGE, SHERIFF
COUNTY OF KERN**

KERN RIVER IN REVIEW 2001

Introduction

Extreme lack of precipitation during the initial months of the 2000-01 winter season was the result of an extended high pressure ridge over the West Coast of the United States that effectively shunted Pacific storms far to the north of the Kern River drainage area. The persistent dry weather pattern began to develop in late October of 2000 and



South Fork Country, Onyx, California - December 2001

continued unabated through early January of 2001. Snowpack accumulation during the first three months of the 2001 season was eerily similar to both the 1999 and 2000 snowpack seasons, which produced spring snowmelt volumes of 54% and 65% of normal, respectively. Thanks in large part to a wet month of February 2001 (3.16" of precipitation at Isabella Dam) and wettest month of April in 27 years, the **2001 Kern River April-July runoff** ended with 250,292 acre-feet, **53% of the long-term First Point average**. Isabella Reservoir storage, which began the year at 129,519 acre-feet, topped out on June 3, 2001, at 244,904 acre-feet, the earliest date of peak storage since 1989. By years end, the storage level of the lake had been reduced to 105,906 acre-feet, marking the third consecutive year of declining carryover storage.

Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 2000-2001 Water Year were as follows:

	Bakersfield-Meadows Field (Elev. 494 ft.)			Isabella Dam (Elev. 2660 ft.)			Glennville (Elev. 3140 ft.)		
	00-01	Ave.	% of Ave.	00-01	Ave.	% of Ave.	00-01	Ave.	% of Ave.
Oct	0.39	0.29	135%	0.51	0.33	155%	1.86	0.74	251%
Nov	0.00	0.70	0%	0.14	1.16	12%	0.44	2.13	21%
Dec	0.00	0.63	0%	0.23	1.80	13%	0.17	2.78	6%
Jan	1.81	0.86	211%	2.28	2.49	92%	3.91	3.78	103%
Feb	2.03	1.06	192%	3.16	2.19	144%	3.48	3.25	107%
Mar	0.73	1.04	70%	0.15	1.68	9%	0.31	3.26	10%
Apr	0.81	0.57	142%	1.86	0.72	258%	3.81	1.86	205%
May	0.00	0.20	0%	0.00	0.25	0%	0.00	0.74	0%
Jun	0.00	0.10	0%	0.00	0.09	0%	0.00	0.15	0%
Jul	0.05	0.01	500%	0.42	0.12	350%	0.29	0.05	580%
Aug	0.00	0.09	0%	0.00	0.17	0%	0.00	0.14	0%
Sep	0.00	0.17	0%	0.00	0.34	0%	0.00	0.43	0%
TOTAL	5.82	5.72	102%	8.75	11.32	77%	14.27	19.43	73%

The 2000-01 water year began on a promising note with October 2000 rainfall averages in California approaching 150% of normal. However, precipitation amounts for the Tulare Lake Basin (Kings, Kaweah, Tule, and Kern Rivers) during November and December of 2000 were so sparse, the period became the fourth driest on record dating back to 1921. The major storm event for the winter occurred on January 10, 2001, dumping 1.50" of precipitation at Lake Isabella and 1.60" at Glennville. April 2001 produced two much-needed storm periods, depositing a total of 1.86" of rain at the dam, the fifth highest April precipitation amount dating back to 1950. A surprise summer shower greeted 4th of July holiday revelers, wetting the Isabella area with just under ½ inch of rain, making it the fourth highest July rainfall total on record.

Temperature

Isabella, California, 2001 mean air temperatures (°F) with comparative averages were as follows:

	2001 Actual	Normal	Variance from Norm		2001 Actual	Normal	Variance from Norm
Jan	44.4	44.3	+0.1	Jul	79.7	79.2	+0.5
Feb	44.1	47.2	- 3.1	Aug	81.6	78.1	+3.5
Mar	54.8	50.5	+4.3	Sep	76.0	72.0	+4.0
Apr	53.5	55.4	- 1.9	Oct	67.4	62.0	+5.4
May	73.0	63.4	+9.6	Nov	54.1	51.1	+3.0
Jun	76.9	72.7	+4.2	Dec	43.5	44.5	- 1.0

The mean annual temperature for 2001 was 62.4° Fahrenheit, 2.4° above the long-term average. Temperature extremes reached 107°F on July 3rd with the low of 26°F occurring January 16-17, 2001 and February 8, 2001. May 2001 established the new maximum mean air temperature for that month with a reading of 73.0°F, surpassing the previous maximum by 1.3° (May 1992 @ 71.7°F).

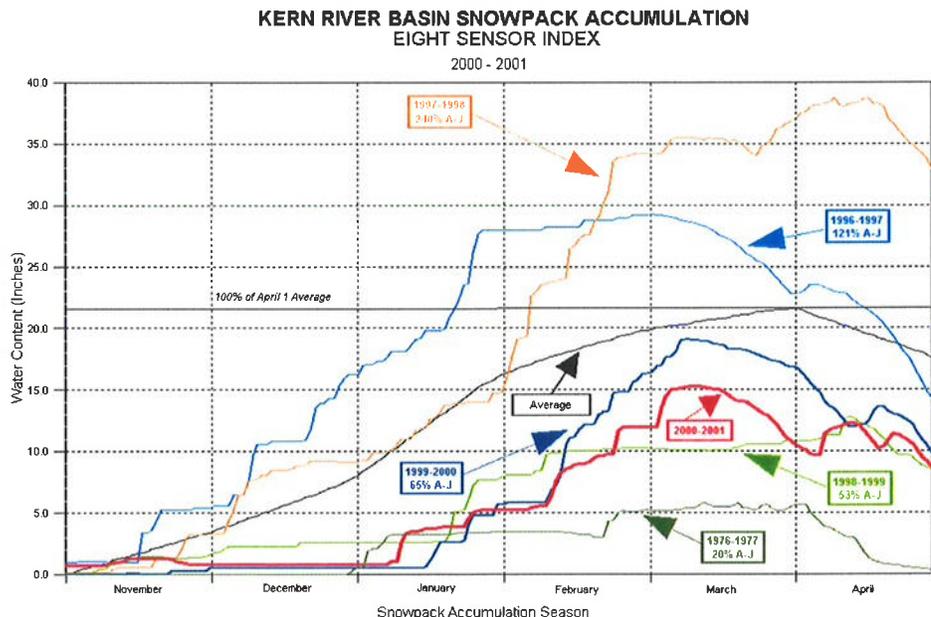
Snowpack

Listed below are approximate readings, in inches of water content, for the eight remote snow sensor sites located within the Kern River Basin on April 1, 2001, with April 1st historical average water contents of same shown for comparison:

	Upper Tyndall Creek	Crabtree Meadow	Chagoopa Plateau	Pascoe	Wet Meadow	Tunnel Guard	Casa Vieja Meadow	Beach Meadows
April 1, 2001	12.4	10.5	12.2	14.5	16.9	4.2	10.5	1.6
April 1, Average	27.7	19.8	21.8	24.9	30.3	15.6	20.9	11.0

Kern River Basin snowpack accumulation as tracked by the eight sensor index (graph below), reveals the severe lack of precipitation in the watershed between November 2000 and early January of 2001. Prior to the storm period of January 8, 2001, water content levels in the Kern River Basin were less than 10% of average. Productive winter storms during the balance of January and February added over 10 inches of snow water content to the existing pack, increasing the basin snowpack levels to 62% of normal as of March 1st.

Much of the lower elevation snowpack was depleted during a warm and dry month of March. Storm clouds finally arrived on April 6th, abruptly ending a 30-day spring dry spell.

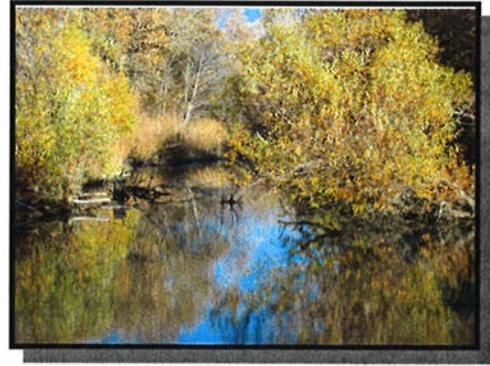


Forecast

The State of California, Department of Water Resources, issued the following forecasts of Kern River runoff into Isabella Reservoir for the 2001 April-July snowmelt period:

February 1, 2001:	45% of average (200,000 acre-feet)
March 1, 2001:	54% of average (240,000 acre-feet)
April 1, 2001:	45% of average (200,000 acre-feet)
May 1, 2001:	54% of average (240,000 acre-feet)

The majority of the 2000-01 Kern River Basin winter snowpack accrued during February 2001. During March, a meager precipitation amount of only 0.15" was recorded at Isabella Dam, the second leanest March rainfall over the past twenty years. April storms brought unusually heavy rainfall to the southern Sierra. At Isabella Dam, maximum 24-hour rainfall records were established for both April 7th and April 20th according to U.S. Army Corps of Engineers precipitation data, helping to overcome a portion of March's near-record dryness. Final snowmelt yield was buoyed by record setting precipitation at Lake Isabella over July 5-6, 2001. The unseasonable storm contributed to a sharp rise on the Kern River North Fork resulting in a peak instantaneous flow of 1,019 cfs, its highest point since June 5, 2001.



South Fork Kern River - Fall 2001

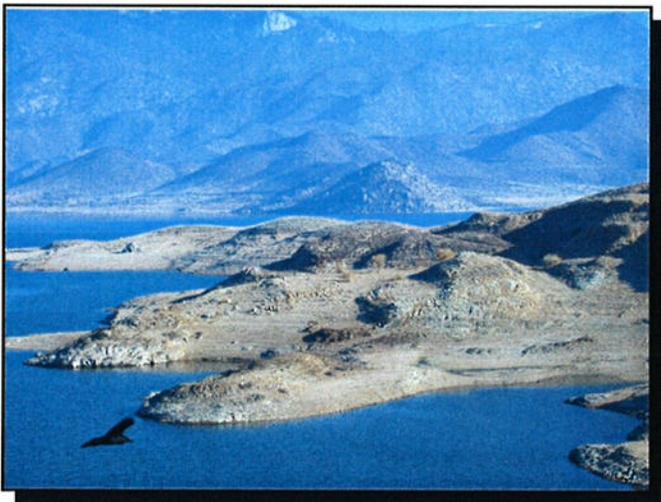
Runoff

Actual 2001 April-July Kern River inflow to Isabella Reservoir was 247,473 acre-feet (56% of average). Peak inflow to Isabella Reservoir occurred on May 12, 2001 with 2,576 cfs. Calendar year runoff at First Point of Measurement equaled 391,451 acre-feet, 53% of the long-term average (733,454 acre-feet) and 71% of the historical median (549,227 acre-feet).



Beardsley Canal at Head of Lined Section

Storage



Lake Isabella in December of 2001

● MAXIMUM 2001 STORAGE ●
244,904 Acre-Feet (June 3, 2001)

Reservoir storage for 2001 began at 129,519 acre-feet, 39,822 acre-feet below the January 1, 2000 lake level and 115,385 acre-feet less than the carryover storage behind Isabella dam at the end of 1998. Isabella Reservoir year end storage was 105,906 acre-feet, constituting 19% of the lake capacity and 68% of the average December 31st carryover storage figure of 155,884 acre-feet.

● MINIMUM 2001 STORAGE ●
98,787 Acre-Feet (November 22, 2001)

Operations

Kern River regulated flow during the 2001 Calendar Year amounted to 375,769 acre-feet, 52% of the 1954-2001 average regulated flow at First Point of Measurement of 721,364 acre-feet. Peak regulated flow during 2001 occurred on June 19th, with a mean daily discharge of 1,486 cubic feet per second.



*Pictured top & left
Kern River near Bakersfield Heart Hospital*



The Kern River Channel below the Calloway River Weir was briefly operated between June and July of 2001 to convey high flow irrigation water to Second Point of Measurement and for recharge of the underground aquifer.

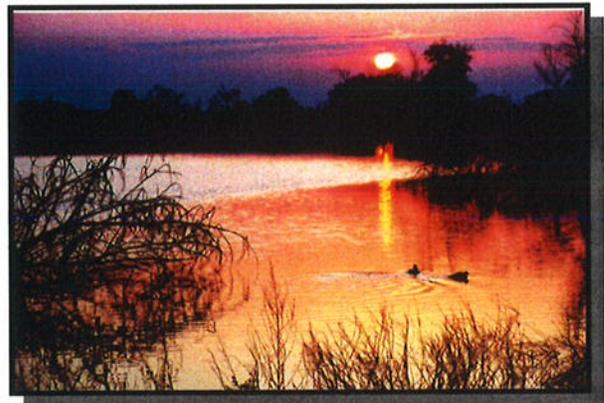
City of Bakersfield 2800 Acre water wells were extensively operated between March and September of 2001, producing 19,562 acre-feet of banked groundwater, helping to alleviate local water supply shortages.

The total water yield of the Kern River drainage basin and its surface storage reservoir in acre-feet during 2001 is summarized as follows:

+	Kern River Computed Natural Flow	391,451
+	Isabella Reservoir Storage	23,615
-	Isabella Reservoir Evaporation	36,450
-	Kern River Diversion Above First Point	2,847
=	Kern River Regulated Flow at First Point	375,769

The delivery of *Kern River* water to canal and conveyance facilities located below First Point of Measurement during 2001 was as follows:

<u>Delivery Point</u>	<u>Flow in Acre-Feet</u>
Beardsley Canal	126,320
Calloway Canal	9,034
Kern Island Canal	130,955
Eastside Canal	13,816
Stine Canal	0
Truxtun Lakes	768
Arvin-Edison Turnout	2,520
Buena Vista Canal	13,831
Rosedale Channel	3,177
Pioneer Canal	2,179
Pioneer Property	0
2800 Acre Recharge Facility	0
Second Point of Measurement	35,255
Seepage Loss (River & Carrier)	37,914



*2800 Acres "Column of Fire"
Photo by Gene Bogart*

DISCHARGE IN CUBIC FEET PER SECOND **Kern River at First Point of Measurement "Computed Natural"** **Year: 2001**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	217	253	346	1,210	1,851	1,410	377	218	160	151	208	319
2	209	271	348	1,219	1,901	1,342	388	241	162	149	198	336
3	199	275	368	1,176	1,870	1,200	436	213	172	149	190	487
4	200	286	374	1,045	1,717	1,081	484	212	170	140	184	347
5	198	314	383	924	1,639	971	475	207	175	142	178	332
6	197	306	391	903	1,723	938	646	223	165	141	176	327
7	204	298	408	877	1,902	925	853	194	161	144	183	321
8	211	271	428	838	2,129	913	831	199	160	141	188	316
9	239	283	438	747	2,330	884	707	188	164	142	181	297
10	252	332	450	702	2,463	843	669	207	156	143	174	278
11	553	357	432	671	2,525	781	523	199	151	145	170	272
12	246	405	419	664	2,414	736	494	211	147	146	286	263
13	235	375	414	662	2,198	731	455	208	154	151	205	279
14	226	371	435	681	1,955	705	414	183	153	145	216	291
15	222	354	456	696	1,944	668	379	178	142	143	222	292
16	231	350	479	739	2,171	613	353	172	139	142	213	279
17	225	343	507	780	2,408	603	336	182	133	141	207	270
18	242	315	549	800	2,420	588	331	179	145	137	208	274
19	241	310	610	845	2,272	585	315	170	145	139	212	286
20	258	320	686	904	2,149	566	291	176	142	142	209	317
21	248	327	748	933	2,153	553	272	175	143	146	200	333
22	256	338	781	931	2,159	541	274	179	144	147	196	338
23	277	346	787	950	2,124	501	278	184	138	151	279	309
24	289	596	796	1,020	2,078	464	266	175	133	155	394	293
25	311	408	809	1,125	2,019	443	254	174	132	154	837	290
26	287	395	829	1,250	1,937	435	246	167	142	146	350	289
27	281	383	851	1,397	1,833	439	243	163	141	147	328	295
28	254	399	898	1,517	1,739	422	228	169	140	140	306	315
29	264	-	986	1,573	1,644	419	212	162	140	161	447	1,118
30	262	-	1,057	1,588	1,567	396	181	160	146	175	365	1,688
31	245	-	1,165	-	1,493	-	188	159	-	214	-	1,087
TOTAL	7,779	9,581	18,628	29,367	62,727	21,696	12,399	5,827	4,495	4,609	7,710	12,538
MAXIMUM DAY	553	596	1,165	1,588	2,525	1,410	853	241	175	214	837	1,688
MINIMUM DAY	197	253	346	662	1,493	396	181	159	132	137	170	263
MEAN	251	342	601	979	2,023	723	400	188	150	149	257	404
TOTAL AC. FT.	15,429	19,004	36,948	58,249	124,417	43,033	24,593	11,558	8,916	9,142	15,293	24,869
WHOLE YEAR:-	TOTAL,	197,356	MAX.,	2,525	MIN.,	132	MEAN,	541	TOTAL AC.FT.,	391,451		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	154	194	231	1,021	1,532	1,529	293	165	130	122	213	273
2	154	200	253	1,012	1,745	1,493	304	162	131	124	188	309
3	150	210	249	881	1,651	1,315	364	153	133	124	176	465
4	154	232	255	749	1,453	1,122	432	153	154	122	168	350
5	158	246	255	659	1,368	973	412	153	153	122	167	300
6	160	252	291	580	1,476	902	539	147	144	125	162	288
7	159	236	298	626	1,712	910	864	144	142	129	159	266
8	169	207	303	535	1,939	915	816	143	136	130	163	256
9	176	215	320	548	2,118	870	642	149	135	115	180	246
10	176	230	292	501	2,166	822	602	170	129	131	172	237
11	215	233	280	501	2,252	770	499	162	130	130	129	233
12	178	217	281	477	2,268	726	430	156	129	132	174	210
13	198	245	285	498	2,014	678	377	152	129	132	206	226
14	198	230	308	485	1,694	612	346	159	127	130	238	248
15	200	219	334	500	1,731	561	319	157	125	128	203	228
16	183	228	342	545	2,101	541	294	151	125	127	194	211
17	155	228	362	585	2,362	533	277	148	125	126	188	234
18	172	237	399	615	2,300	529	261	148	126	126	180	225
19	213	246	489	613	2,058	502	243	144	125	118	171	223
20	197	243	579	616	2,006	479	231	142	125	125	171	226
21	193	232	629	656	2,052	442	223	143	122	129	173	247
22	194	240	620	625	2,095	447	218	143	123	131	179	234
23	199	230	624	738	2,063	456	210	140	122	131	230	244
24	209	228	656	815	1,989	459	207	142	120	132	333	235
25	205	232	673	904	2,000	436	200	135	122	131	792	231
26	216	280	698	1,041	1,999	401	192	133	123	128	311	235
27	212	271	709	1,177	1,916	375	188	130	122	127	269	239
28	196	272	733	1,289	1,772	359	179	129	122	130	249	248
29	191	-	831	1,284	1,636	337	172	126	124	135	329	989
30	198	-	906	1,323	1,527	324	157	125	124	143	313	1,425
31	195	-	946	-	1,507	-	164	127	-	215	-	861
TOTAL	5,727	6,533	14,431	22,399	58,502	20,818	10,655	4,531	3,877	4,050	6,780	10,442
MAXIMUM DAY	216	280	946	1,323	2,362	1,529	864	170	154	215	792	1,425
MINIMUM DAY	150	194	231	477	1,368	324	157	125	120	115	129	210
MEAN	185	233	466	747	1,887	694	344	146	129	131	226	337
TOTAL AC. FT.	11,359	12,958	28,623	44,428	116,037	41,292	21,134	8,987	7,690	8,033	13,448	20,711
WHOLE YEAR:-	TOTAL,	168,745	MAX.,	2,362	MIN.,	115	MEAN,	462	TOTAL AC.FT.,	334,700		

DISCHARGE IN CUBIC FEET PER SECOND **Kern River at First Point of Measurement "Regulated"** **Year: 2001**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	180	242	352	564	610	913	1,330	941	445	343	195	271
2	171	234	327	630	606	995	1,326	903	421	353	209	288
3	172	243	330	616	593	1,068	1,381	847	436	303	198	333
4	172	274	366	564	587	1,156	1,327	707	415	342	193	363
5	172	286	364	558	592	1,170	1,349	672	425	364	168	356
6	172	343	446	571	606	1,116	1,440	675	412	328	176	363
7	172	366	413	575	591	1,133	1,376	677	386	295	179	329
8	189	330	415	478	584	1,197	1,257	746	323	279	183	312
9	207	270	446	453	603	1,208	1,151	857	321	227	189	304
10	217	270	440	437	590	1,210	1,054	706	404	255	191	295
11	269	279	428	441	561	1,246	996	749	387	248	187	285
12	270	328	415	440	561	1,331	957	779	343	241	198	250
13	235	370	419	436	594	1,344	944	772	323	212	174	240
14	228	336	400	424	645	1,365	879	787	344	257	190	245
15	230	308	424	434	649	1,369	841	866	320	343	190	249
16	240	303	430	439	622	1,341	854	826	352	353	214	272
17	235	310	425	433	608	1,379	867	693	403	365	216	270
18	223	340	429	423	638	1,462	893	648	444	393	217	282
19	198	338	426	428	617	1,486	824	582	389	350	211	286
20	195	309	489	439	592	1,481	799	589	286	245	185	293
21	252	316	554	465	618	1,403	750	709	262	191	220	316
22	263	319	542	456	736	1,355	740	828	326	175	213	293
23	252	335	463	453	829	1,207	805	789	331	166	205	285
24	260	340	440	491	839	1,035	754	595	341	177	222	284
25	248	378	429	472	801	1,007	791	532	360	157	306	285
26	271	366	420	539	764	1,043	848	483	358	150	398	293
27	281	373	414	574	797	1,000	889	552	352	143	347	283
28	292	389	427	568	806	1,191	863	510	336	143	318	292
29	253	-	423	582	835	1,473	876	455	265	145	295	345
30	256	-	484	580	887	1,435	950	458	284	151	298	442
31	251	-	512	-	923	-	955	460	-	165	-	471
TOTAL	7,026	8,895	13,292	14,963	20,884	37,119	31,066	21,393	10,794	7,859	6,685	9,475
MAXIMUM INSTANT.	503	445	620	690	949	1,543	1,467	1,078	507	480	620	517
MINIMUM INSTANT.	163	193	199	404	424	893	650	373	223	137	88	225
MEAN	227	318	429	499	674	1,237	1,002	690	360	254	223	306
TOTAL AC. FT.	13,936	17,643	26,364	29,679	41,423	73,624	61,618	42,432	21,410	15,588	13,259	18,793
WHOLE YEAR:-	TOTAL,	189,451	MAX.,	1,543	MIN.,	88	MEAN,	519	TOTAL AC.FT.,	375,769		

DISCHARGE IN CUBIC FEET PER SECOND Year: 2001
 Kern River Conduit at Alternate Second Point (Total Flow)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	74	67	359	97	0	0	0	0
2	0	0	0	0	88	77	354	70	0	0	0	0
3	0	0	0	0	65	61	385	68	0	0	0	0
4	0	0	0	0	40	79	381	62	0	0	0	0
5	0	0	4	2	25	89	392	72	0	0	0	0
6	0	0	81	15	23	65	403	64	0	0	0	0
7	0	0	30	23	17	128	401	63	0	0	0	0
8	0	0	36	6	14	235	433	45	0	0	0	0
9	0	0	64	10	12	249	325	157	0	0	0	0
10	0	0	53	6	12	246	228	62	0	0	0	0
11	0	0	36	6	11	256	188	67	0	0	0	0
12	0	0	37	10	12	266	158	75	0	0	0	0
13	0	0	46	17	12	320	162	71	0	0	0	0
14	0	0	31	17	15	392	183	74	0	0	0	0
15	0	0	44	17	18	415	182	58	0	0	0	0
16	0	0	38	14	18	455	187	22	0	0	0	0
17	0	0	30	16	91	485	174	0	0	0	0	0
18	0	0	21	14	101	484	160	0	0	0	0	0
19	0	0	0	15	102	494	127	0	0	0	0	0
20	0	0	0	18	104	480	114	0	0	0	0	0
21	0	0	0	18	98	480	107	0	0	0	0	0
22	0	0	0	18	94	484	103	0	0	0	0	0
23	0	0	0	18	95	430	89	0	0	0	0	0
24	0	0	0	18	99	263	85	0	0	0	0	0
25	0	0	0	31	100	182	91	0	0	0	0	0
26	0	0	0	102	94	172	126	0	0	0	0	0
27	0	0	0	100	95	174	130	0	0	0	0	0
28	0	0	0	107	100	200	132	0	0	0	0	0
29	0	0	0	108	97	249	139	0	0	0	0	0
30	0	0	0	80	97	306	131	0	0	0	0	0
31	0	0	0	0	100	0	145	0	0	0	0	0
TOTAL	0	0	551	806	1,923	8,283	6,574	1,127	0	0	0	0
MAXIMUM DAY	0	0	81	108	104	494	433	157	0	0	0	0
MINIMUM DAY	0	0	0	0	11	61	85	0	0	0	0	0
MEAN	0	0	18	27	62	276	212	36	0	0	0	0
TOTAL AC. FT.	0	0	1,093	1,599	3,814	16,430	13,039	2,235	0	0	0	0
WHOLE YEAR:-	TOTAL,	19,264	MAX.,	494	MIN.,	0	MEAN,	53	TOTAL AC.FT.,	38,210		

DISCHARGE IN CUBIC FEET PER SECOND Kern River Channel at Second Point of Measurement (Total Flow) Year: 2001

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

Year: 2001

Friant-Kern Inflow to Kern River Channel (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	46	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	100	0	0
30	0	0	0	0	0	0	0	0	0	70	0	0
31	0	0	0	0	0	0	0	0	0	20	0	0
TOTAL	0	0	0	0	0	0	0	0	0	636	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	100	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	21	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	1,262	0	0
WHOLE YEAR:-	TOTAL,	636	MAX.,	100	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,262		

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	5,889	12,851	34,223	8,011	2,374	0	0	0	0	119	63,467
Hacienda W.D. Entitlement	0	0	0	0	0	0	0	0	0	0	0	0	0
K.C.L. Entitlement @ 2nd Point	0	0	87	619	1,634	385	111	0	0	0	0	0	2,842
Kern Island (1-st)	14,273	16,173	17,857	17,851	18,446	17,851	16,360	10,882	8,261	8,466	12,942	17,615	177,477
Eastside													
Kern River Conduit			11,442	17,734	22,397	12,071	4,285	0					67,929
Castro	10	149	8	54	123	30	4				52	103	533
KCC & W Co.	28	397	20	141	417	73	6				151	278	1,511
South Fork	20	260	14	101	294	52	6				101	159	1,007
Buena Vista (1-st)	152	1,059	105	764	2,166	410	42				498	664	5,860
James (1-st)	228	230	155	1,140	3,251	615	63				299	837	6,818
Anderson (1-st)	38	38	28	194	540	103	10				40	117	1,108
Stine	4	87	196	1,430	4,066	771	79				291	869	7,793
Meacham			40	290	821	152	16				58	175	1,552
Farmers			196	1,390	4,066	730	61				206	869	7,518
Plunket			50	333	1,079	167							1,859
Joyce			48	286	1,079	133							1,776
Johnson			44	264	1,079	109							230
Pioneer (1-st)			77	772	3,525	315							230
Beardsley (1-st)			16	307	1,624	123							646
Lerdo (NKWSD)													113
Anderson (2-nd)				50	278	22							18
James & Dixon				161	1,079	58							75
Wilson				20	155	8							12
KCC & W Co.				18	123	8							6
McCaffrey				77	710	38							50
McCord: Lerdo 30%				93	815	36							56
Beardsley 70%				214	1,904	83							131
Calloway: Central 20%				89	3,340	4							117
NKWSD 80%				351	13,361	20							3,550
Railroad: KCC & W Co. 20%					204								468
NKWSD 80%					819								204
Buena Vista (2-nd)					117								819
James (2-nd)					6								117
Pioneer (2-nd)													6
Beardsley (3-rd)													0
Kern Island (2-nd)													0
Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
Total 1st Point Group Entitlement	15,429	19,004	31,059	45,398	90,194	35,022	22,219	11,558	8,916	9,142	15,293	24,750	327,984

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

Year: 2001

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FIRST POINT REGULATED FLOW	13,936	17,643	26,364	29,679	41,423	73,624	61,618	42,432	21,410	15,588	13,259	18,793	375,769
BEARDSLEY CANAL	2,672	4,479	6,698	9,638	15,937	21,431	20,755	17,851	11,040	9,499	4,221	2,099	126,320
CALLOWAY CANAL (Net of River Loss)	0	0	0	1,741	3,132	1,602	0	0	0	0	0	2,559	9,034
KERN ISLAND CANAL	2,565	5,292	11,149	12,105	14,301	22,986	20,069	18,125	8,668	4,870	3,681	7,144	130,955
EASTSIDE CANAL	0	0	1,182	1,414	2,307	2,622	2,501	2,200	1,047	543	0	0	13,816
STINE CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUXTUN LAKES	0	71	196	104	97	89	0	0	0	0	0	211	768
ARVIN-EDISON TURNOUT	0	1,858	662	0	0	0	0	0	0	0	0	0	2,520
BUENA VISTA CANAL	2,376	2,037	1,252	688	417	4,939	218	0	0	0	220	1,684	13,831
RIVER CANAL BOOSTERS	0	0	0	0	0	0	0	0	0	0	0	0	0
JAMES CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSEDALE CHANNEL	2,971	0	206	0	0	0	0	0	0	0	0	0	3,177
PIONEER CANAL	0	781	1,265	133	0	0	0	0	0	0	0	0	2,179
BERRENDA MESA PIPELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER PROPERTY	0	0	0	0	0	0	0	0	0	0	0	0	0
BOSWELL TURNOUT	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 ACRE RECHARGE FACILITY	0	0	0	0	0	0	0	0	0	0	0	0	0
CARRIER CANAL LOSS/REFILL	2,164	1,141	1,189	681	807	928	1,067	603	0	0	933	1,672	11,185
RIVER LOSS & SPREADING	1,188	1,984	1,472	2,269	1,589	3,468	4,378	1,422	655	676	4,204	3,424	26,729
FIRST POINT CANALS TOTAL FLOW	13,936	17,643	25,271	28,773	38,587	58,065	48,988	40,201	21,410	15,588	13,259	18,793	340,514
TOTAL FLOW AT SECOND POINT	0	0	1,093	906	2,836	15,559	12,630	2,231	0	0	0	0	35,255
BUENA VISTA WSD	0	0	1,093	906	2,836	14,959	11,773	1,435	0	0	0	0	33,002
KERN WATER BANK	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN DELTA WD	0	0	0	0	0	600	857	796	0	0	0	0	2,253

2001 Summary of Kern River Water
Diversions by Entity

(Acre-Feet)

Area of Use

Diverted

Above First Point

California Water Service Co.	1,061
Kern Valley Golf Course	193
La Hacienda, Inc.	20
Lake Ming	790
Olcese WD	779
City of Bakersfield	4
Sub-total	2,847

Below First Point

Arvin-Edison WSD	1,858
Buena Vista WSD	33,002
Cawelo WD	42,290
City of Bakersfield, Irrigation and Spreading	47,142
Improvement District #4	11,213
Kern County Water Agency	0
Kern Delta WD	160,381
North Kern WSD	74,977
Rosedale Ranch Improvement District	593
Rosedale-Rio Bravo WSD	3,177
Kern-Tulare WD	576
Rag Gulch WD	86
South Fork	474
Sub-total	375,769
Grand Total	378,616

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

Year: 2001

Quantities in acre-feet

End of Month Unit Storage

STORAGE UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern Island	2,496	3,478	3,658	5,446	7,800	5,773	4,460	0	14	2,500	2,500	2,500	40,625
Buena Vista	1,498	1,644	1,677	2,036	3,921	265	85	0	0	175	536	1,065	12,902
Stine	541	571	680	1,448	5,014	2,424	32	0	0	0	516	1,264	12,490
Farmers	0	0	119	878	4,343	2,734	826	0	0	0	297	1,047	10,244
KERN DELTA WD TOTAL	4,535	5,693	6,134	9,808	21,078	11,196	5,403	0	14	2,675	3,849	5,876	76,261
City of Bakersfield	3,449	3,448	7,358	16,145	30,962	26,268	14,993	6,650	5,045	4,062	4,938	5,311	128,629
Kern River Canal & Irr. Co.	0	0	0	212	1,166	0	0	0	0	0	0	185	1,563
South Fork	600	626	626	671	933	848	779	686	559	624	600	600	8,152
Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD TOTAL	4,049	4,074	7,984	17,028	33,061	27,116	15,772	7,336	5,604	4,686	5,538	6,096	138,344
NORTH KERN WSD	38,041	37,902	39,400	42,293	63,977	57,074	52,633	46,291	34,844	26,669	26,822	29,851	495,797
TOTAL 1ST POINT STORAGE	46,625	47,669	53,518	69,129	118,116	95,386	73,808	53,627	40,462	34,030	36,209	41,823	710,402

An aerial photograph showing a large dam and reservoir. The reservoir is filled with blue water and is surrounded by a dense forest of trees with autumn foliage in shades of brown, orange, and red. In the background, a city with numerous buildings and houses is visible under a clear blue sky. The dam structure is prominent in the foreground, with a concrete spillway and a metal tower. A road or path runs along the edge of the reservoir.

KERN DELTA WATER DISTRICT

*Carrier Canal Headgate
2001*

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

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	14,429	17,319	18,354	21,435	28,861	19,762	17,042	10,882	8,261	8,466	13,937	20,017	198,765
Release	(8,453)	(8,180)	(4,621)	(3,675)	(708)	0	0	0	0	(903)	(7,877)	(7,476)	(41,893)
Entitlement + or - Releases	= 5,976	9,139	13,733	17,760	28,153	19,762	17,042	10,882	8,261	7,563	6,060	12,541	156,872
Into Isabella Storage	333	1,189	539	3,831	11,828	2,032	1,252	0	361	2,762	1,226	2,061	27,414
From Isabella Storage	0	0	0	16	95	11,350	6,673	5,331	343	69	0	0	23,877
From City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Transfer/Exch.	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss/Refill	714	641	0	0	0	0	0	0	0	0	933	1,652	3,940
Via North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District No.4	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
Diverted at Heads of Canals	= 4,929	7,309	13,194	13,945	16,420	29,080	22,463	16,213	8,243	4,870	3,901	8,828	149,395
From North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
From Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
From Improvement District No.4	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	= 4,929	7,309	13,194	13,945	16,420	29,080	22,463	16,213	8,243	4,870	3,901	8,828	149,395
Utility Deliveries	2,405	4,489	8,320	8,674	11,544	19,400	15,665	12,381	4,713	2,676	683	4,888	95,838
Contract Deliveries	55	211	657	795	729	491	514	419	314	164	71	112	4,532
Total Irrigation Deliveries	= 2,460	4,700	8,977	9,469	12,273	19,891	16,179	12,800	5,027	2,840	754	5,000	100,370
Canal Conveyance Losses	2,469	2,609	4,217	4,476	4,147	9,189	6,284	3,413	3,216	2,030	3,147	3,828	49,025
Delivery Percentage	50%	64%	68%	68%	75%	68%	72%	79%	61%	58%	19%	57%	67%

Reservoir Evaporation Loss	38	31	98	141	463	564	372	72	4	32	52	34	1,901
End of Month Reservoir Storage	4,535	5,693	6,134	9,808	21,078	11,196	5,403	0	14	2,675	3,849	5,876	

Year: 2001

Total Flow via the Kern Island Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	60	36	196	257	254	228	286	455	183	140	52	130
2	90	40	197	221	233	266	318	441	177	118	45	127
3	77	41	188	198	242	318	321	393	165	123	39	121
4	0	48	141	207	255	363	261	325	150	140	39	112
5	15	119	132	220	277	385	269	310	155	146	39	115
6	61	122	108	261	259	413	317	274	148	139	70	128
7	91	129	184	230	214	424	315	273	132	125	85	177
8	96	128	195	206	207	454	315	255	120	111	86	179
9	93	127	186	197	177	456	332	252	128	93	86	169
10	25	125	164	173	201	457	343	301	164	106	82	155
11	11	127	164	171	177	455	361	355	162	100	74	141
12	31	126	169	157	172	444	355	385	156	60	52	141
13	29	41	175	151	185	417	352	370	116	62	52	147
14	28	69	185	133	250	415	283	358	130	58	52	150
15	23	69	188	170	256	449	256	368	130	67	45	162
16	24	54	171	185	230	445	274	361	141	74	46	185
17	24	47	137	170	158	426	281	352	149	79	37	185
18	25	49	129	166	166	435	324	325	182	94	37	179
19	26	52	159	189	180	401	293	290	183	83	39	152
20	28	74	202	213	179	374	288	305	135	70	36	141
21	43	86	207	219	196	334	297	321	141	40	40	124
22	79	110	210	226	265	349	299	297	156	40	38	81
23	81	110	227	250	285	357	311	281	126	43	37	35
24	61	108	216	241	288	383	258	184	121	46	22	35
25	25	113	195	192	287	421	295	205	150	42	38	36
26	21	170	160	178	284	409	319	175	145	41	91	90
27	21	169	153	223	275	369	386	191	133	42	104	81
28	21	179	197	231	265	337	421	186	132	43	119	46
29	22	-	204	221	268	314	455	188	132	45	131	26
30	31	-	227	247	270	291	470	189	128	39	143	26
31	31	-	255	-	255	-	463	173	-	46	-	26
TOTAL	1,293	2,668	5,621	6,103	7,210	11,589	10,118	9,138	4,370	2,455	1,856	3,602
MAXIMUM DAY	96	179	255	261	288	457	470	455	183	146	143	185
MINIMUM DAY	0	36	108	133	158	228	256	173	116	39	22	26
MEAN	42	95	181	203	233	386	326	295	146	79	62	116
TOTAL AC. FT.	2,565	5,292	11,149	12,105	14,301	22,986	20,069	18,125	8,668	4,870	3,681	7,144
WHOLE YEAR:-	TOTAL,	66,023	MAX.,	470	MIN.,	0	MEAN,	181	TOTAL AC.FT.,	130,955		

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

Year: 2001

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 14,273	16,173	17,857	17,851	18,446	17,851	16,860	10,882	8,261	8,466	12,942	17,615	177,477
Release	- 10,635	8,459	5,675	2,725	0	0	0	0	0	1,078	9,215	10,449	48,236
Entitlement + or - Releases	= 3,638	7,714	12,182	15,126	18,446	17,851	16,860	10,882	8,261	7,388	3,727	7,166	129,241
Into Storage	- 18	1,000	240	1,869	2,657	1,255	1,210	0	361	2,587	46	22	11,265
From Storage	+ 0	0	0	0	95	3,077	2,267	4,400	343	69	0	0	10,251
From City of Bakersfield	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss/Refill	- 323	421	0	0	0	0	0	0	0	0	0	0	744
Other	+/- 0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+/- 0	0	0	0	0	0	0	117	0	0	0	0	117
Eastside Canal Entitlement	- 0	0	1,053	1,234	1,793	2,299	2,225	899	0	0	0	0	9,493
To City of Bakersfield	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Via North Kern WSD	- 0	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District No.4	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	= 3,297	6,293	10,889	12,023	14,091	17,374	15,692	14,510	8,243	4,870	3,681	7,144	118,107
From Cawelo Water District	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
From North Kern WSD	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
From Improvement District No.4	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	= 3,297	6,293	10,889	12,023	14,091	17,374	15,692	14,510	8,243	4,870	3,681	7,144	118,107
Utility Deliveries	1,556	3,797	7,010	7,544	9,773	11,661	10,733	11,039	4,713	2,676	683	3,915	75,100
Contract Deliveries	55	211	651	737	641	425	506	410	314	164	71	112	4,297
Total Irrigation Deliveries	- 1,611	4,008	7,661	8,281	10,414	12,086	11,239	11,449	5,027	2,840	754	4,027	79,397
Canal Conveyance Losses	= 1,686	2,285	3,228	3,742	3,677	5,288	4,453	3,061	3,216	2,030	2,927	3,117	38,710
Delivery Percentage	49%	64%	70%	69%	74%	70%	72%	79%	61%	59%	20%	56%	67%

Into Reservoir Storage	18	1,000	240	1,869	2,657	1,255	1,210	0	361	2,587	46	22	11,265
Reservoir Evaporation Loss	22	18	60	81	208	205	256	60	4	32	46	22	1,014
From Reservoir Storage	0	0	0	0	95	3,077	2,267	4,400	343	69	0	0	10,251
End of Month Reservoir Storage	2,496	3,478	3,658	5,446	7,800	5,773	4,460	0	14	2,500	2,500	2,500	

State Exchange Diverted	12	20	228	72	91	787	783	2,689	262	0	0	0	4,944
State Exchange Delivered	12	20	228	72	91	782	783	1,597	0	0	0	0	3,585
Carmel Water Diverted	0	0	0	0	0	520	0	577	0	0	0	0	1,097
Carmel Water Delivered	0	0	0	0	0	503	0	577	0	0	0	0	1,080

**KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER**

BALFOUR - GUTHRIE CONTRACT

Year: 2001

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

KERN ISLAND CANAL ENTITLEMENT:

Maximum	18,446	16,661	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,165
Actual	14,273	16,173	17,857	17,851	18,446	17,851	16,880	10,882	8,261	8,466	12,942	17,615	177,477
Maximum Percentage	77%	97%	97%	100%	100%	100%	91%	59%	46%	46%	73%	95%	

CONTRACT ENTITLEMENT:

Maximum	269	242	269	260	269	260	269	269	260	269	260	--	2,896
Actual	208	235	261	260	269	260	246	159	120	123	189	--	2,330
Sum to Date	208	443	704	964	1,233	1,493	1,739	1,898	2,018	2,141	2,330	2,330	

CONTRACT DIVERTED:

For Month	0	77	393	375	249	170	321	230	138	10	36	46	2,045
To Date	0	77	470	845	1,094	1,264	1,585	1,815	1,953	1,963	1,999	2,045	

UNUSED ENTITLEMENT:

For Month	208	158	(132)	(115)	20	90	(75)	(71)	(18)	113	153	(46)	285
Sum to Date	208	366	234	119	139	229	154	83	65	178	331	285	

**KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER**

BLOOMFIELD CONTRACT

Year: 2001

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

KERN ISLAND CANAL ENTITLEMENT:

Maximum	18,446	16,661	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,165
Actual	14,273	16,173	17,857	17,851	18,446	17,851	16,860	10,882	8,261	8,466	12,942	17,615	177,477
Maximum Percentage	77%	97%	97%	100%	100%	100%	91%	59%	46%	46%	73%	95%	

CONTRACT ENTITLEMENT:

Maximum	336	303	336	325	336	325	336	336	325	336	325	--	3,619
Actual	260	294	326	325	336	325	307	198	150	154	236	--	2,911
Sum to Date	260	554	880	1,205	1,541	1,866	2,173	2,371	2,521	2,675	2,911	2,911	

CONTRACT DIVERTED:

For Month	55	134	258	362	392	255	185	180	176	154	35	66	2,252
To Date	55	189	447	809	1,201	1,456	1,641	1,821	1,997	2,151	2,186	2,252	

UNUSED ENTITLEMENT:

For Month	205	160	68	(37)	(56)	70	122	18	(26)	0	201	(66)	659
Sum to Date	205	365	433	396	340	410	532	550	524	524	725	659	

Year: 2001

Total Flow via the Eastside Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	31	37	57	45	53	22	11	0	0
2	0	0	0	32	37	52	46	47	21	16	0	0
3	0	0	0	30	36	45	49	40	22	17	0	0
4	0	0	0	28	32	46	53	35	23	19	0	0
5	0	0	0	26	30	46	51	33	28	21	0	0
6	0	0	0	16	31	43	38	47	34	16	0	0
7	0	0	0	7	37	44	38	50	29	15	0	0
8	0	0	0	13	39	45	56	53	22	15	0	0
9	0	0	0	14	38	40	55	46	23	13	0	0
10	0	0	0	14	36	44	49	48	28	20	0	0
11	0	0	0	17	30	52	46	48	22	20	0	0
12	0	0	0	24	26	53	35	43	18	18	0	0
13	0	0	0	23	28	49	28	51	15	13	0	0
14	0	0	19	16	36	49	25	53	14	13	0	0
15	0	0	33	19	40	46	31	48	9	13	0	0
16	0	0	34	23	29	33	31	38	10	5	0	0
17	0	0	34	34	30	35	30	39	17	6	0	0
18	0	0	36	35	33	48	33	28	22	8	0	0
19	0	0	49	33	33	47	38	29	27	8	0	0
20	0	0	46	14	34	46	36	32	22	7	0	0
21	0	0	44	9	42	41	30	34	19	0	0	0
22	0	0	44	20	46	41	30	36	8	0	0	0
23	0	0	40	24	44	38	38	31	15	0	0	0
24	0	0	37	24	45	41	41	18	14	0	0	0
25	0	0	31	28	42	44	47	9	12	0	0	0
26	0	0	27	31	37	42	44	9	11	0	0	0
27	0	0	26	32	40	34	40	11	4	0	0	0
28	0	0	23	32	45	39	39	23	4	0	0	0
29	0	-	25	32	46	41	38	27	6	0	0	0
30	0	-	25	32	49	41	46	29	7	0	0	0
31	0	-	23	-	55	-	55	21	-	0	-	0
TOTAL	0	0	596	713	1,163	1,322	1,261	1,109	528	274	0	0
MAXIMUM DAY	0	0	49	35	55	57	56	53	34	21	0	0
MINIMUM DAY	0	0	0	7	26	33	25	9	4	0	0	0
MEAN	0	0	19	24	38	44	41	36	18	9	0	0
TOTAL AC. FT.	0	0	1,182	1,414	2,307	2,622	2,501	2,200	1,047	543	0	0
WHOLE YEAR:-	TOTAL,	6,966	MAX.,	57	MIN.,	0	MEAN,	19	TOTAL AC.FT.,	13,816		

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

Year: 2001

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	1,053	1,234	1,793	2,299	2,225	889	0	0	0	0	9,493
State Exchange Diverted	0	0	129	180	514	323	276	1,311	1,047	543	0	0	4,323
City Miscellaneous Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Oilfield Discharge Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal at Head	0	0	1,182	1,414	2,307	2,622	2,501	2,200	1,047	543	0	0	13,816
Utility Deliveries	0	0	631	848	1,408	1,951	1,877	880	0	0	0	0	7,595
Contract Deliveries	0	0	6	58	88	66	8	9	0	0	0	0	235
Subtotal Utility Deliveries	0	0	637	906	1,496	2,017	1,885	889	0	0	0	0	7,830
State Exchange Delivered	0	0	129	180	514	323	276	1,060	795	482	0	0	3,759
City Miscellaneous Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Oilfield Discharge Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison Payback Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal State/Other Deliveries	0	0	129	180	514	323	276	1,060	795	482	0	0	3,759
Total Irrigation Deliveries	0	0	766	1,086	2,010	2,340	2,161	1,949	795	482	0	0	11,589
Canal Loss (Utility)	0	0	416	328	297	282	340	0	0	0	0	0	1,663
Canal Loss (State)	0	0	0	0	0	0	0	251	252	61	0	0	564
Canal Loss (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Canal Loss	0	0	416	328	297	282	340	251	252	61	0	0	2,227
Delivery Percentage	0%	0%	65%	77%	87%	89%	86%	89%	76%	89%	0%	0%	84%

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Buena Vista Canal Headgate

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19	87	31	0	34	5	42	0	0	0	0	30
2	11	89	36	0	32	33	40	0	0	0	0	30
3	14	85	34	0	28	99	28	0	0	0	0	36
4	15	69	35	0	26	145	0	0	0	0	0	40
5	15	68	40	17	21	154	0	0	0	0	0	39
6	10	60	33	31	17	141	0	0	0	0	0	36
7	0	57	34	17	16	139	0	0	0	0	0	35
8	0	45	37	18	18	147	0	0	0	0	0	35
9	0	45	38	18	18	125	0	0	0	0	0	28
10	0	41	32	18	0	128	0	0	0	0	0	29
11	0	45	29	18	0	132	0	0	0	0	0	28
12	3	45	29	15	0	122	0	0	0	0	0	23
13	23	32	23	16	0	111	0	0	0	0	0	23
14	26	16	20	17	0	88	0	0	0	0	0	22
15	57	16	22	17	0	81	0	0	0	0	0	25
16	58	14	22	16	0	74	0	0	0	0	0	25
17	56	11	20	8	0	62	0	0	0	0	0	20
18	58	10	16	0	0	60	0	0	0	0	0	23
19	59	12	20	0	0	49	0	0	0	0	0	25
20	55	12	27	0	0	47	0	0	0	0	0	27
21	47	10	27	0	0	49	0	0	0	0	0	27
22	44	4	26	0	0	58	0	0	0	0	0	26
23	53	22	0	0	0	63	0	0	0	0	0	28
24	55	20	0	0	0	67	0	0	0	0	0	26
25	58	25	0	0	0	60	0	0	0	0	4	23
26	77	29	0	10	0	53	0	0	0	0	16	23
27	79	29	0	29	0	54	0	0	0	0	26	24
28	67	29	0	26	0	50	0	0	0	0	22	24
29	69	-	0	27	0	48	0	0	0	0	16	21
30	83	-	0	29	0	46	0	0	0	0	27	26
31	87	-	0	-	0	-	0	0	-	0	-	22
TOTAL	1,198	1,027	631	347	210	2,490	110	0	0	0	111	849
MAXIMUM DAY	87	89	40	31	34	154	42	0	0	0	27	40
MINIMUM DAY	0	4	0	0	0	5	0	0	0	0	0	20
MEAN	39	37	20	12	7	83	4	0	0	0	4	27
TOTAL AC. FT.	2,376	2,037	1,252	688	417	4,939	218	0	0	0	220	1,684
WHOLE YEAR:-	TOTAL,	6,973	MAX.,	154	MIN.,	0	MEAN,	19	TOTAL AC.FT.,	13,831		

**KERN DELTA WATER DISTRICT
BUENA VISTA CANAL SERVICE AREA**

Year: 2001

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	152	1,059	105	764	2,283	410	42	0	0	0	498	664	5,977
Release	1,881	333	1,208	317	106	0	0	0	0	175	1,022	3,207	8,249
Entitlement + or - Releases	2,033	1,392	1,313	1,081	2,389	410	42	0	0	175	1,520	3,871	14,226
Into Storage	10	156	61	409	1,972	50	42	0	0	175	367	535	3,777
From Storage	0	0	0	16	0	3,633	218	85	0	0	0	0	3,952
Via Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Via North Kern WSD	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
Transfer in Storage	0	0	0	0	0	0	0	85	0	0	0	0	85
Carrier Canal Loss	391	220	0	0	0	0	0	0	0	0	933	1,652	3,196
Diverted at Head of Canal	1,632	1,016	1,252	688	417	3,993	218	0	0	0	220	1,684	11,120
From Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
From North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	1,632	1,016	1,252	688	417	3,993	218	0	0	0	220	1,684	11,120
Utility Deliveries	849	692	679	282	244	2,613	126	0	0	0	0	973	6,458
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	849	692	679	282	244	2,613	126	0	0	0	0	973	6,458
Canal Conveyance Losses	783	324	573	406	173	1,380	92	0	0	0	220	711	4,662
Delivery Percentage	52%	68%	54%	41%	59%	65%	58%	0%	0%	0%	0%	58%	58%

Into Reservoir Storage	10	156	61	409	1,972	50	42	0	0	175	367	535	3,777
Reservoir Evaporation Loss	12	10	28	34	87	73	4	0	0	0	6	6	260
From Reservoir Storage	0	0	0	16	0	3,633	218	85	0	0	0	0	3,952
End of Month Reservoir Storage	1,498	1,644	1,677	2,036	3,921	265	85	0	0	175	536	1,065	

State Exchange Diverted	0	0	0	0	0	143	0	0	0	0	0	0	143
State Exchange Delivered	0	0	0	0	0	121	0	0	0	0	0	0	121
Friant-Kern Floodwater Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Floodwater Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield via Buena Vista	0	0	0	0	0	0	0	0	0	0	0	0	0

KERN DELTA WATER DISTRICT BUENA VISTA CANAL

DISTRIBUTION OF WATER

Year: 2001

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	2,376	2,037	1,252	688	417	4,939	218	0	0	0	220	1,684	13,831
Buena Vista Canal from Maples Canal	0	0	0	0	0	600	857	796	0	0	0	0	2,253
TOTAL BUENA VISTA CANAL SUPPLY	2,376	2,037	1,252	688	417	5,539	1,075	796	0	0	220	1,684	16,084

Deliveries: Head to Section 17

Buena Vista Utility	58	345	669	282	244	1,689	70	0	0	0	0	54	3,411
Buena Vista State Exchange	0	0	0	0	0	24	0	0	0	0	0	0	24
Stine Utility	0	0	0	0	0	24	0	0	0	0	0	0	24
Sub-Total	58	345	669	282	244	1,737	70	0	0	0	0	54	3,459

Deliveries: At or Below Section 17

Buena Vista Utility	791	347	10	0	0	924	56	0	0	0	0	919	3,047
Buena Vista State Exchange	0	0	0	0	0	97	0	0	0	0	0	0	97
Stine Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	571	944	0	0	0	1,173	772	682	0	0	0	0	4,142
Kern Island State Exchange	0	0	0	0	0	66	26	172	0	0	0	0	264
Sub-Total	1,362	1,291	10	0	0	2,260	854	854	0	0	0	919	7,550

TOTAL DELIVERED

	1,420	1,636	679	282	244	3,997	924	854	0	0	0	973	11,009
--	--------------	--------------	------------	------------	------------	--------------	------------	------------	----------	----------	----------	------------	---------------

**Canal Conveyance Losses
Delivery Percentage**

	956	401	573	406	173	1,542	151	(58)	0	0	220	711	5,075
	60%	80%	54%	41%	59%	72%	86%	107%	0%	0%	0%	58%	68%

DISTRIBUTION:

Buena Vista Utility	1,632	1,016	1,252	688	417	3,993	218	0	0	0	220	1,684	11,120
Buena Vista State Exchange	0	0	0	0	0	143	0	0	0	0	0	0	143
Stine Utility	0	0	0	0	0	24	0	0	0	0	0	0	24
Stine State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	744	1,021	0	0	0	1,308	831	624	0	0	0	0	4,528
Kern Island State Exchange	0	0	0	0	0	71	26	172	0	0	0	0	269
Kern River Floodwater	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2,376	2,037	1,252	688	417	5,539	1,075	796	0	0	220	1,684	16,084

Year: 2001

Total Flow via the Stine Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

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

DISCHARGE IN CUBIC FEET PER SECOND

Stine via Arvin-Edison Intake Canal

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	43	40	0	0	0	0
2	0	0	0	0	0	0	53	40	0	0	0	0
3	0	0	0	0	0	0	55	42	0	0	0	0
4	0	0	0	0	0	0	53	0	0	0	0	0
5	0	0	0	0	0	0	52	0	0	0	0	0
6	0	0	0	0	0	0	53	0	0	0	0	0
7	0	0	0	0	0	0	51	0	0	0	0	0
8	0	0	0	0	0	29	50	0	0	0	0	0
9	0	0	0	0	0	30	50	0	0	0	0	0
10	0	0	0	0	0	32	51	0	0	0	0	0
11	0	0	0	0	0	48	50	0	0	0	0	0
12	0	0	0	0	0	64	51	0	0	0	0	0
13	0	0	0	0	0	60	0	0	0	0	0	0
14	0	0	0	0	0	60	0	0	0	0	0	0
15	0	0	0	0	0	60	0	0	0	0	0	0
16	0	0	0	0	0	59	0	0	0	0	0	0
17	0	0	0	0	0	54	0	0	0	0	0	0
18	0	0	0	0	0	53	0	0	0	0	0	0
19	0	0	0	0	0	53	0	0	0	0	0	0
20	0	0	0	0	0	64	0	0	0	0	0	0
21	0	0	0	0	0	59	0	0	0	0	0	0
22	0	0	0	0	0	60	0	0	0	0	0	0
23	0	0	0	0	0	57	44	0	0	0	0	0
24	0	0	0	0	0	59	50	0	0	0	0	0
25	0	0	0	0	0	59	57	0	0	0	0	0
26	0	0	0	0	0	57	63	0	0	0	0	0
27	0	0	0	0	0	45	68	0	0	0	0	0
28	0	0	0	0	0	43	60	0	0	0	0	0
29	0	-	0	0	0	41	57	0	0	0	0	0
30	0	-	0	0	0	42	52	0	0	0	0	0
31	0	-	0	-	0	-	50	0	-	0	-	0
TOTAL	0	0	0	0	0	1,188	1,113	122	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	64	68	42	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	40	36	4	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	2,356	2,208	242	0	0	0	0
WHOLE YEAR:-	TOTAL,	2,423	MAX.,	68	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	4,806		

KERN DELTA WATER DISTRICT
STINE CANAL SERVICE AREA

Year: **2001**

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	4	87	196	1,430	4,066	771	79	0	0	0	291	869	7,793
Release	301	(54)	(77)	(644)	(407)	0	0	0	0	0	225	(117)	(773)
Entitlement + or - Releases	305	33	119	786	3,659	771	79	0	0	0	516	752	7,020
Into Storage	305	33	119	786	3,659	424	0	0	0	0	516	752	6,594
From Storage	0	0	0	0	0	2,863	2,345	32	0	0	0	0	5,240
Via North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	0	0	0	0	0	0	0	32	0	0	0	0	32
Carrier Canal Loss	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
Diverted at Head of Canal	0	0	0	0	0	3,210	2,424	0	0	0	0	0	5,634
From Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	0	0	0	0	0	3,210	2,424	0	0	0	0	0	5,634
Utility Deliveries	0	0	0	0	0	1,882	1,579	0	0	0	0	0	3,461
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	0	0	0	0	0	1,882	1,579	0	0	0	0	0	3,461
Canal Conveyance Losses	0	0	0	0	0	1,328	845	0	0	0	0	0	2,173
Delivery Percentage	0%	0%	0%	0%	0%	59%	65%	0%	0%	0%	0%	0%	61%

Into Reservoir Storage	305	33	119	786	3,659	424	0	0	0	0	516	752	6,594
Reservoir Evaporation Loss	4	3	10	18	93	151	47	0	0	0	0	4	330
From Reservoir Storage	0	0	0	0	0	2,863	2,345	32	0	0	0	0	5,240
End of Month Reservoir Storage	541	571	680	1,448	5,014	2,424	32	0	0	0	516	1,254	

State Exchange Diverted	0	0	0	0	0	58	0	238	0	0	0	0	296
State Exchange Delivered	0	0	0	0	0	58	0	167	0	0	0	0	225
City of Bakersfield via Stine	0	0	0	0	0	0	0	0	0	0	0	0	0

KERN DELTA WATER DISTRICT FARMERS CANAL SERVICE AREA

Year: 2001

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	0	196	1,390	4,066	730	61	0	0	0	206	869	7,518
Release	0	0	(77)	(623)	(407)	0	0	0	0	0	91	(117)	(1,133)
Entitlement + or - Releases	0	0	119	767	3,659	730	61	0	0	0	297	752	6,385
Into Storage	0	0	119	767	3,540	303	0	0	0	0	297	752	5,778
From Storage	0	0	0	0	0	1,777	1,843	814	0	0	0	0	4,434
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	0	0	0	0	119	2,204	1,904	814	0	0	0	0	5,041
Utility Deliveries	0	0	0	0	119	1,293	1,350	462	0	0	0	0	3,224
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	0	0	0	0	119	1,293	1,350	462	0	0	0	0	3,224
Canal Conveyance Losses	0	0	0	0	0	911	554	352	0	0	0	0	1,817
Delivery Percentage	0%	0%	0%	0%	100%	59%	71%	57%	0%	0%	0%	0%	64%

Into Reservoir Storage	0	0	119	767	3,540	303	0	0	0	0	297	752	5,778
Reservoir Evaporation Loss	0	0	0	8	75	135	65	12	0	0	0	2	297
From Reservoir Storage	0	0	0	0	0	1,777	1,843	814	0	0	0	0	4,434
End of Month Reservoir Storage	0	0	119	878	4,343	2,734	826	0	0	0	297	1,047	

State Exchange Diverted	0	0	0	0	0	99	48	0	36	0	0	0	183
State Exchange Delivered	0	0	0	0	0	99	48	0	36	0	0	0	183

Kern Delta Water District Kern River Water Diverted
via Kern River Canal

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	10	28	0	0	0	0
2	0	0	0	0	0	0	16	27	0	0	0	0
3	0	0	0	0	0	0	28	19	0	0	0	0
4	0	0	0	0	0	0	29	21	0	0	0	0
5	0	0	0	0	0	0	26	20	0	0	0	0
6	0	0	0	0	0	5	30	21	0	0	0	0
7	0	0	0	0	0	13	29	32	0	0	0	0
8	0	0	0	0	0	18	30	31	0	0	0	0
9	0	0	0	0	0	21	12	29	0	0	0	0
10	0	0	0	0	0	21	12	29	0	0	0	0
11	0	0	0	0	0	22	13	31	0	0	0	0
12	0	0	0	0	0	21	6	30	0	0	0	0
13	0	0	0	0	0	21	2	30	0	0	0	0
14	0	0	0	0	0	22	0	27	0	0	0	0
15	0	0	0	0	0	23	0	23	0	0	0	0
16	0	0	0	0	0	22	0	4	0	0	0	0
17	0	0	0	0	0	22	0	0	0	0	0	0
18	0	0	0	0	0	8	0	0	0	0	0	0
19	0	0	0	0	0	17	0	0	0	0	0	0
20	0	0	0	0	0	17	0	0	0	0	0	0
21	0	0	0	0	0	14	0	0	0	0	0	0
22	0	0	0	0	0	12	0	0	0	0	0	0
23	0	0	0	0	0	3	0	0	0	0	0	0
24	0	0	0	0	0	0	13	0	0	0	0	0
25	0	0	0	0	0	0	16	0	0	0	0	0
26	0	0	0	0	0	0	20	0	0	0	0	0
27	0	0	0	0	0	0	24	0	0	0	0	0
28	0	0	0	0	0	0	23	0	0	0	0	0
29	0	-	0	0	0	0	31	0	0	0	0	0
30	0	-	0	0	0	0	33	0	0	0	0	0
31	0	-	0	-	0	-	29	0	-	0	-	0
TOTAL	0	0	0	0	0	302	432	402	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	23	33	32	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	10	14	13	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	600	857	796	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,136	MAX.,	33	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,253		

Kern Delta WD Diverted to Arvin-Edison WSD
(Delivered as per terms of May 27, 2000 Water Banking Agreement) Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	7	0	0	0	0	0	0	0	0	0	0
15	0	98	0	0	0	0	0	0	0	0	0	0
16	0	100	0	0	0	0	0	0	0	0	0	0
17	0	100	0	0	0	0	0	0	0	0	0	0
18	0	103	0	0	0	0	0	0	0	0	0	0
19	0	103	0	0	0	0	0	0	0	0	0	0
20	0	100	0	0	0	0	0	0	0	0	0	0
21	0	99	0	0	0	0	0	0	0	0	0	0
22	0	92	0	0	0	0	0	0	0	0	0	0
23	0	54	0	0	0	0	0	0	0	0	0	0
24	0	20	0	0	0	0	0	0	0	0	0	0
25	0	20	0	0	0	0	0	0	0	0	0	0
26	0	20	0	0	0	0	0	0	0	0	0	0
27	0	20	0	0	0	0	0	0	0	0	0	0
28	0	1	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	937	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	103	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	33	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	1,858	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	937	MAX.,	103	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	1,858		

KERN DELTA WATER DISTRICT
Arvin-Edison WSD Water Banking Recapitulation

Quantities in acre-feet

Year: 2001

	Arvin-Edison WSD Diverted to Kern Delta WD										Kern Delta WD Diverted to Arvin-Edison WSD					Exchange Balance	
	Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Subtotal	Transportation		Total	A-EWSD Turnout	Pioneer Property	Transportation		Total		
								Loss	Loss				Loss	Loss			
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,858)
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,858	0	(1,858)
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,858	0	1,858

Note: Exchange Balance reflects terms of 2000 Water Banking Agreement between Kern Delta WD and Arvin-Edison WSD dated May 27, 2000 (3 for 2 exchange)

KERN DELTA WATER DISTRICT
State Aqueduct Exchange Diversion and Storage Recapitulation

Quantities in acre-feet

Year: 2001

	Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Pioneer Project	For ID4	Via A-EWSD	Carrier Loss	Reservoir Loss	Total	Storage Balance
November	0	135	32	0	0	0	0	0	0	0	0	167	1,482
December	0	0	8	0	0	0	0	0	0	0	0	8	1,307
January	0	0	12	0	0	0	0	0	0	0	0	12	1,295
February	0	0	20	0	0	0	0	0	0	0	0	20	1,275
March	6	129	222	0	0	0	0	0	0	0	10	367	908
April	10	180	62	0	0	0	0	0	0	0	12	264	644
May	59	514	32	0	0	0	0	0	0	0	9	614	30
June	10	20	0	0	0	0	0	0	0	0	0	30	0
Total	85	978	388	0	0	0	0	0	0	0	31	1,482	

														Storage Balance
March	0	0	0	0	0	0	0	0	0	0	0	0	0	9,679
April	0	0	0	0	0	0	0	0	0	0	0	0	0	9,679
May	0	0	0	0	0	0	0	0	0	0	0	0	0	9,679
June	603	303	174	143	58	99	0	0	0	0	0	1,380	8,299	
July	472	276	311	0	0	48	0	0	0	0	0	1,107	7,192	
August	2,062	1,311	627	0	238	0	0	0	0	0	0	4,238	2,954	
September	262	1,047	0	0	0	36	0	0	0	0	0	1,345	1,609	
October	0	543	0	0	0	0	0	0	0	0	0	543	1,066	
November	0	0	0	0	0	0	0	0	0	0	0	0	1,066	
Total	3,399	3,480	1,112	143	296	183	0	0	0	0	0	8,613		

November	0	0	0	0	0	0	0	0	0	0	0	0	0	1,066
December	0	0	0	0	0	0	0	0	0	0	0	0	0	1,066
Total	0	1,066												

**CITY of
BAKERSFIELD**



KERN RIVER CHANNEL OPERATIONS CITY OF BAKERSFIELD

Year: 2001

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Kern River at First Point of Measurement	13,936	17,643	26,364	29,679	41,423	73,624	61,618	42,432	21,410	15,588	13,259	18,793	375,769
- Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
- Beardsley Canal at Head	2,672	4,479	6,698	9,638	15,937	21,431	20,755	17,851	11,040	9,499	4,221	2,099	126,320
- Carrier Canal at Head	10,588	12,085	18,952	14,936	17,988	32,269	27,467	23,905	9,715	5,413	4,923	11,756	189,997
= Rocky Point Weir	0	468	38	4,450	6,822	19,269	12,720	0	0	0	3,460	4,262	51,489
+ Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Farmers-Stine-Anderson: to River	0	0	0	133	403	0	0	746	0	0	89	1,148	2,519
- Farmers-Stine-Anderson: from River	0	0	0	1,341	3,180	14,618	4,623	0	0	0	0	103	23,865
- Calloway Canal at Head	0	0	0	1,741	3,132	1,602	0	0	0	0	0	2,559	9,034
- River Loss: Rocky Point to Calloway Weir	0	468	38	1,501	913	841	411	40	0	0	1,418	1,186	6,816
= Calloway River Weir	0	0	0	0	0	2,208	7,686	706	0	0	2,131	1,562	14,293
+ CVC T.O. #4 to River	0	0	2,021	0	0	0	0	0	0	0	0	0	2,021
+ CVC T.O. #3 to River	0	0	1,424	0	0	0	0	0	0	0	0	0	1,424
+ Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	1,262	0	0	1,262
- River Canal from River	0	0	0	0	0	236	4,395	0	0	0	0	0	4,631
- River Loss: Cally. Weir to River Canal Weir	0	0	3,445	0	0	1,972	2,983	706	0	1,262	2,131	1,562	14,061
= River Canal Weir	0	0	0	0	0	0	308	0	0	0	0	0	308
+ Pioneer Turnout	3,483	1,686	2,229	246	0	0	0	0	0	0	0	0	7,644
+ CVC T.O. #2 to River	0	0	139	0	0	0	0	0	0	0	0	0	139
- Rosedale Channel at Head	2,971	0	206	0	0	0	0	0	0	0	0	0	3,177
- Pioneer Canal at Head	0	781	1,265	133	0	0	0	0	0	0	0	0	2,179
- Berranda Mesa Pipeline Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: River Canal to Bellevue Weir	512	488	794	113	0	0	308	0	0	0	0	0	2,215
= Flow at Bellevue Weir	0	417	103	0	520								
- River Loss: Bellevue Weir to ID#4 Boundary	0	417	103	0	0	0	0	0	0	0	0	0	520
- River Loss: ID#4 Boundary to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Outflow from Berranda Mesa Spdg. Grounds	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O. #1 to River	0	0	2,539	0	0	0	0	0	0	0	0	0	2,539
+ River Canal Turnout to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Central Pioneer from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- North Pioneer from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: 2800 Acres to Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
- 2800 Acre Recharge Facility	0	0	2,539	0	0	0	0	0	0	0	0	0	2,539
= Second Point via Kern River Channel	0												

CARRIER CANAL OPERATIONS CITY OF BAKERSFIELD

Year: 2001

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Carrier Canal at Head	10,588	12,085	18,952	14,936	17,988	32,269	27,467	23,905	9,715	5,413	4,923	11,756	189,997
- Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Oilfield Discharge	184	0	0	0	0	0	0	0	0	0	0	0	184
- Canal Refill	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Reclamation Weir	10,772	12,085	18,952	14,936	17,988	32,269	27,467	23,905	9,715	5,413	4,923	11,756	190,181
+ Storm Drain Inflow	12	54	26	0	0	0	0	0	0	14	17	18	141
- Eastside Canal at Head	0	0	1,182	1,414	2,307	2,622	2,501	2,200	1,047	543	0	0	13,816
- Kern Island Canal at Head	2,565	5,292	11,149	12,105	14,301	22,986	20,069	18,125	8,668	4,870	3,681	7,144	130,955
Levee No. 1	8,219	6,847	6,647	1,417	1,380	6,661	4,897	3,580	0	14	1,259	4,630	45,551
- Farmers-Stine-Anderson: to River	0	0	0	133	403	0	0	746	0	0	89	1,148	2,519
+ Farmers-Stine-Anderson: from River	0	0	0	1,341	3,180	14,618	4,623	0	0	0	0	103	23,865
Carrier Canal at Oak Street	8,219	6,847	6,647	2,625	4,157	21,279	9,520	2,834	0	14	1,170	3,585	66,897
- Stine Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Carrier to Truxtun Lakes	0	452	1,059	526	686	950	954	462	0	0	0	686	5,775
+ Truxtun Lakes to Carrier	0	381	863	422	589	861	954	462	0	0	0	475	5,007
- Arvin-Edison Turnout	0	1,858	662	0	0	0	0	0	0	0	0	0	2,520
- Total Carrier Canal Loss	2,360	1,195	1,215	681	807	928	1,067	603	0	14	950	1,690	11,510
+ River Canal from River	0	0	0	0	0	236	4,395	0	0	0	0	0	4,631
River Canal at Stockdale Highway	5,859	3,723	4,574	1,840	3,253	20,498	12,848	2,231	0	0	220	1,684	56,730
- Buena Vista Canal at Head	2,376	2,037	1,252	688	417	4,939	218	0	0	0	220	1,684	13,831
- Pioneer Turnout	3,483	1,686	2,229	246	0	0	0	0	0	0	0	0	7,644
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Well Water Production	0	0	0	693	978	871	409	4	0	0	0	0	2,955
River Canal at Alternate Second Point	0	0	1,093	1,599	3,814	16,430	13,039	2,235	0	0	0	0	38,210
+ 2800 Acre Well Water Production	0	0	260	3,664	3,670	3,438	3,412	3,390	2,982	0	0	0	20,816
+ Pioneer Well Water Production	0	0	35	1,040	1,995	2,757	2,868	2,230	648	0	0	0	11,573
+ KWB Well Water Production	0	0	0	0	1,022	1,128	1,154	1,128	326	0	0	0	4,758
- Kern Delta WD via River Canal	0	0	0	0	0	600	857	796	0	0	0	0	2,253
- KCWA via River Canal	0	0	125	2,953	4,473	4,953	4,625	5,031	2,486	0	0	0	24,646
- Henry Miller WD via River Canal	0	0	45	164	0	0	0	0	0	0	0	0	209
- County of Kern	0	0	0	569	1,192	1,241	1,218	674	1,470	0	0	0	6,364
Second Point Group Flow via River Canal	0	0	1,218	2,617	4,836	16,959	13,773	2,482	0	0	0	0	41,885

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

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	38	546	11,470	18,056	26,759	12,194	4,295	0	0	0	203	516	74,077
Release	1,192	632	1,202	966	202	0	0	0	0	198	987	1,138	6,517
ENTITLEMENT + OR - RELEASES	1,230	1,178	12,672	19,022	26,961	12,194	4,295	0	0	198	1,190	1,654	80,594
NKWSO to City	4,580	0	.211	0	0	0	0	0	0	0	0	0	4,791
From Reservoir Storage	0	12	79	0	0	6,987	12,401	7,884	1,299	825	0	4	29,491
Into Reservoir Storage	472	33	4,075	9,007	15,582	3,275	1,819	0	0	38	969	423	35,693
Other	0	0	0	14	119	87	0	0	0	0	408	6	634
TOTAL SUPPLY	5,338	1,157	8,887	10,029	11,498	15,993	14,877	7,884	1,299	985	629	1,241	79,817
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
Kern Valley Golf Course	3	0	9	10	30	36	32	33	22	14	4	0	193
California Water Service Company	31	27	39	57	125	124	170	152	138	108	59	31	1,061
Olcese Water District	11	11	35	53	113	127	124	121	93	67	17	7	779
Glen Grundels	0	0	0	0	0	0	0	0	0	0	0	2	2
Manuel Rodriguez	0	0	0	0	0	0	0	2	0	0	0	0	2
North Kern WSD (Basic Contract)	0	0	0	0	0	5,000	10,000	5,000	0	0	0	0	20,000
North Kern WSD (Miscellaneous)	282	601	0	0	0	0	0	0	0	0	0	0	883
North Kern WSD (Borrow/Payback)	0	0	2,314	2,235	0	0	0	0	0	0	0	0	4,549
Cawelo WD (Basic Contract)	0	0	2,037	2,487	6,206	4,940	0	0	0	0	0	0	15,670
Cawelo WD (Miscellaneous)	63	178	0	0	0	0	0	0	0	0	127	351	719
Kern-Tulare WD (Basic Contract)	0	0	2,269	3,215	3,602	2,524	0	0	0	0	0	0	11,610
Kern-Tulare WD (Miscellaneous)	0	0	612	0	0	0	0	0	0	0	294	0	906
Rag Gulch WD (Basic Contract)	0	0	340	482	540	378	0	0	0	0	0	0	1,740
Rag Gulch WD (Miscellaneous)	0	0	92	0	0	0	0	0	0	0	0	0	92
Rosedale RBWSD (Basic Contract)	2,971	0	206	0	0	0	0	0	0	0	0	0	3,177
Rosedale RBWSD (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	8	787	795
Rosedale Ranch ID	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Kern Island Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern County Water Agency	0	0	0	0	0	0	0	0	0	0	0	0	0
Improvement District No.4	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Delta Water District (Miscellaneous)	0	168	0	0	0	0	0	0	0	0	0	0	168
Kern River Canal & Irrigating Co.	0	87	242	853	0	230	1,276	1,234	956	731	79	38	5,726
Truxtun Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Banking	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	1,961	69	648	577	805	2,529	3,148	1,221	(1)	0	(1)	(1)	10,955
TOTAL DIVERTED	5,338	1,157	8,887	10,029	11,498	15,993	14,877	7,884	1,299	985	629	1,241	79,817
Into Reservoir Storage	472	33	4,075	9,007	15,582	3,275	1,819	0	0	38	969	423	35,693
Reservoir Evaporation Loss	34	22	86	220	765	982	693	459	306	196	93	46	3,902
From Reservoir Storage	0	12	79	0	0	6,987	12,401	7,884	1,299	825	0	4	29,491
End of Month Reservoir Storage	3,449	3,448	7,358	16,145	30,962	26,268	14,993	6,650	5,045	4,062	4,938	5,311	

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

Quantities in acre-feet

Year	Basic Contract Amount		Cumulative Contract Amount		Basic Contract Delivered		Cumulative Contract Delivery		Basic Contract Balance	
	20,000	20,000	20,000	20,000	20,000	20,000	40,000	40,000	0	0
1977										
1978	20,000	20,000	40,000	20,000	20,000	0	20,000	0	0	0
1979	20,000	20,000	60,000	20,000	20,000	0	60,000	0	0	0
1980	20,000	20,000	80,000	20,000	20,000	0	80,000	0	0	0
1981	20,000	20,000	100,000	20,000	20,000	0	100,000	0	0	0
1982	20,000	20,000	120,000	20,000	20,000	0	120,000	0	0	0
1983	20,000	20,000	140,000	20,000	20,000	0	140,000	0	0	0
1984	20,000	20,000	160,000	20,000	20,000	0	160,000	0	0	0
1985	20,000	20,000	180,000	20,000	20,000	0	180,000	0	0	0
1986	20,000	20,000	200,000	20,000	20,000	0	200,000	0	0	0
1987	20,000	20,000	220,000	20,000	20,000	0	220,000	0	0	0
1988	20,000	20,000	240,000	20,000	20,000	0	240,000	0	0	0
1989	20,000	20,000	260,000	20,000	20,000	0	260,000	0	0	0
1990	20,000	20,000	280,000	20,000	20,000	0	280,000	0	0	0
1991	20,000	20,000	300,000	20,000	20,000	0	300,000	0	0	0
1992	20,000	20,000	320,000	20,000	20,000	0	320,000	0	0	0
1993	20,000	20,000	340,000	20,000	20,000	14,381	314,381	(5,619)	(5,619)	(5,619)
1994	20,000	20,000	360,000	20,000	20,000	23,700	338,081	(1,919)	(1,919)	(1,919)
1995	20,000	20,000	380,000	20,000	20,000	358,081	360,000	(1,919)	(1,919)	(1,919)
1996	20,000	20,000	400,000	20,000	20,000	21,919	380,000	0	0	0
1997	20,000	20,000	420,000	20,000	20,000	20,000	400,000	0	0	0
1998	20,000	20,000	440,000	20,000	20,000	20,000	420,000	0	0	0
1999	20,000	20,000	460,000	20,000	20,000	20,000	440,000	0	0	0
2000	20,000	20,000	480,000	20,000	20,000	20,000	460,000	0	0	0
2001	20,000	20,000	500,000	20,000	20,000	20,000	480,000	0	0	0

Year	Basic Contract Amount		Cumulative Contract Amount		Basic Contract Delivered		Cumulative Contract Delivery		Basic Contract Balance	
	27,000	27,000	27,000	27,000	5,024	5,024	5,024	5,024	(21,976)	(21,976)
1977										
1978	27,000	27,000	54,000	27,000	35,404	40,428	36,780	77,208	(13,572)	(13,572)
1979	27,000	27,000	81,000	27,000	30,792	108,000	108,000	0	0	0
1980	27,000	27,000	108,000	27,000	27,000	135,000	135,000	0	0	0
1981	27,000	27,000	135,000	27,000	27,000	162,000	162,000	0	0	0
1982	27,000	27,000	162,000	27,000	27,000	189,000	189,000	0	0	0
1983	27,000	27,000	189,000	27,000	27,000	216,000	216,000	0	0	0
1984	27,000	27,000	216,000	27,000	27,000	243,000	243,000	0	0	0
1985	27,000	27,000	243,000	27,000	27,000	270,000	270,000	0	0	0
1986	27,000	27,000	270,000	27,000	27,000	297,000	297,000	0	0	0
1987	27,000	27,000	297,000	27,000	12,821	309,821	309,821	0	0	0
1988	27,000	27,000	324,000	27,000	22,460	332,281	332,281	0	0	0
1989	27,000	27,000	351,000	27,000	17,723	350,004	350,004	0	0	0
1990	27,000	27,000	378,000	27,000	29,316	379,320	379,320	0	0	0
1991	27,000	27,000	405,000	27,000	28,868	408,188	408,188	0	0	0
1992	27,000	27,000	432,000	27,000	32,000	440,188	440,188	0	0	0
1993	27,000	27,000	459,000	27,000	23,760	463,948	463,948	0	0	0
1994	27,000	27,000	486,000	27,000	32,000	495,948	495,948	0	0	0
1995	27,000	27,000	513,000	27,000	32,000	527,948	527,948	0	0	0
1996	27,000	27,000	540,000	27,000	32,000	559,948	559,948	0	0	0
1997	27,000	27,000	567,000	27,000	29,052	591,948	591,948	0	0	0
1998	27,000	27,000	594,000	27,000	27,000	621,000	621,000	0	0	0
1999	27,000	27,000	621,000	27,000	27,000	648,000	648,000	0	0	0
2000	27,000	27,000	648,000	27,000	15,670	663,670	663,670	0	0	0
2001	27,000	27,000	675,000	27,000						

Year	Basic Contract Amount		Cumulative Contract Amount		Basic Contract Delivered		Cumulative Contract Delivery		Basic Contract Balance	
	3,000	3,000	3,000	3,000	449	449	449	449	(2,551)	(2,551)
1977										
1978	3,000	3,000	6,000	3,000	3,550	3,999	3,550	3,999	(601)	(601)
1979	3,000	3,000	9,000	3,000	3,550	7,549	3,550	7,549	(1,451)	(1,451)
1980	3,000	3,000	12,000	3,000	3,550	11,099	3,550	11,099	(901)	(901)
1981	3,000	3,000	15,000	3,000	3,550	14,649	3,550	14,649	(351)	(351)
1982	3,000	3,000	18,000	3,000	600	18,000	600	18,000	0	0
1983	3,000	3,000	21,000	3,000	3,000	21,000	3,000	21,000	(2,400)	(2,400)
1984	3,000	3,000	24,000	3,000	3,000	24,000	3,000	24,000	(2,400)	(2,400)
1985	3,000	3,000	27,000	3,000	3,000	27,000	3,000	27,000	(2,400)	(2,400)
1986	3,000	3,000	30,000	3,000	3,000	30,000	3,000	30,000	(2,400)	(2,400)
1987	3,000	3,000	33,000	3,000	1,784	32,364	3,000	30,600	(2,400)	(2,400)
1988	3,000	3,000	36,000	3,000	2,495	34,859	3,000	32,364	(3,636)	(3,636)
1989	3,000	3,000	39,000	3,000	0	34,859	3,000	34,859	(4,141)	(4,141)
1990	3,000	3,000	42,000	3,000	3,000	37,859	3,000	37,859	(7,141)	(7,141)
1991	3,000	3,000	45,000	3,000	1,363	39,222	3,000	39,222	(8,778)	(8,778)
1992	3,000	3,000	48,000	3,000	4,394	43,616	3,000	43,616	(7,384)	(7,384)
1993	3,000	3,000	51,000	3,000	2,753	46,369	3,000	46,369	(7,631)	(7,631)
1994	3,000	3,000	54,000	3,000	3,550	49,912	3,000	49,912	(5,638)	(5,638)
1995	3,000	3,000	57,000	3,000	3,550	53,462	3,000	53,462	(4,538)	(4,538)
1996	3,000	3,000	60,000	3,000	3,550	57,012	3,000	57,012	(3,988)	(3,988)
1997	3,000	3,000	63,000	3,000	3,550	60,562	3,000	60,562	(3,438)	(3,438)
1998	3,000	3,000	66,000	3,000	3,550	64,112	3,000	64,112	(2,988)	(2,988)
1999	3,000	3,000	69,000	3,000	3,550	67,662	3,000	67,662	(2,538)	(2,538)
2000	3,000	3,000	72,000	3,000	3,000	70,212	3,000	70,212	(2,088)	(2,088)
2001	3,000	3,000	75,000	3,000	1,740	73,762	3,000	73,762	(1,638)	(1,638)

Year	Basic Contract Amount		Cumulative Contract Amount		Basic Contract Delivered		Cumulative Contract Delivery		Basic Contract Balance	
	3,000	3,000	3,000	3,000	449	449	449	449	(2,551)	(2,551)
1977										
1978	3,000	3,000	6,000	3,000	3,550	3,999	3,550	3,999	(601)	(601)
1979	3,000	3,000	9,000	3,000	3,550	7,549	3,550	7,549	(1,451)	(1,451)
1980	3,000	3,000	12,000	3,000	3,550	11,099	3,550	11,099	(901)	(901)
1981	3,000	3,000	15,000	3,000	3,550	14,649	3,550	14,649	(351)	(351)
1982	3,000	3,000	18,000	3,000	600	18,000	600	18,000	0	0
1983	3,000	3,000	21,000	3,000	3,000	21,000	3,000	21,000	(2,400)	(2,400)
1984	3,000	3,000	24,000	3,000	3,000	24,000	3,000	24,000	(2,400)	(2,400)
1985	3,000	3,000	27,000	3,000	3,000	27,000	3,000	27,000	(2,400)	(2,400)
1986	3,000	3,000	30,000	3,000	3,000	30,000	3,000	30,000	(2,400)	(2,400)
1987	3,000	3,000	33,000	3,000	1,784	32,364	3,000	30,600	(2,400)	(2,400)
1988	3,000	3,000	36,000	3,000	2,495	34,859	3,000	32,364	(3,636)	(3,636)
1989	3,000	3,000	39,000	3,000	0	34,859	3,000	34,859	(4,141)	(4,141)
1990	3,000	3,000	42,000	3,000	3,000	37,859	3,000	37,859	(7,141)	(7,141)
1991	3,000	3,000	45,000	3,000	1,363	39,222	3,000	39,222	(8,778)	(8,778)
1992	3,000	3,000	48,000	3,000	4,394	43,616	3,000	43,616	(7,384)	(7,384)
1993	3,000	3,000	51,000	3,000	2,753	46,369	3,000	46,369	(7,631)	(7,631)
1994	3,000	3,000	54,000	3,000	3,550	49,912	3,000	49,912	(5,638)	(5,638)
1995	3,000	3,000	57,000	3,000	3,550	53,462	3,000	53,462	(4,538)	(4,538)
1996	3,000	3,000	60,000	3,000	3,550	57,012	3,000	57,012	(3,988)	(3,988)
1997	3,000	3,000	63,000	3,000	3,550	60,562	3,000	60,562	(3,438)	(3,438)
1998	3,000	3,000	66,000	3,000	3,550	64,112	3,000	64,112	(2,988)	(2,988)
1999	3,000	3,000	69,000	3,000	3,550	67,662	3,000	67,662	(2,538)	(2,538)
2000	3,000	3,000	72,000	3,000	3,000	70,212	3,000	70,212	(2,088)	(2,088)
2001	3,000	3,000	75,000	3,000	1,740	73,762	3,000	73,762	(1,638)	(1,638)

CITY OF BAKERSFIELD
Deliveries to Long Term Contractors

Basic Contract

Quantities in acre-feet

Year: 2001

	NORTH KERN		CAWELO		KERN-TULARE		RAG GULCH		MONTH	
	WSD	Accum.	WD	Accum.	WD	Accum.	WD	Accum.	Basic	Accum.
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	2,037	2,037	2,269	2,269	340	340	4,646	4,646
April	0	0	2,487	4,524	3,215	5,484	482	822	6,184	10,830
May	0	0	6,206	10,730	3,602	9,086	540	1,362	10,348	21,178
June	5,000	5,000	4,940	15,670	2,524	11,610	378	1,740	12,842	34,020
July	10,000	15,000	0	15,670	0	11,610	0	1,740	10,000	44,020
August	5,000	20,000	0	15,670	0	11,610	0	1,740	5,000	49,020
September	0	20,000	0	15,670	0	11,610	0	1,740	0	49,020
October	0	20,000	0	15,670	0	11,610	0	1,740	0	49,020
November	0	20,000	0	15,670	0	11,610	0	1,740	0	49,020
December	0	20,000	0	15,670	0	11,610	0	1,740	0	49,020
Year Total	20,000		15,670		11,610		1,740		49,020	

DISCHARGE IN CUBIC FEET PER SECOND
City of Bakersfield Diverted to North Kern WSD
(Basic Contract)
Year: 2001

(Does not include deliveries into Isabella Reservoir storage)

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

City of Bakersfield Diverted to North Kern WSD
(Miscellaneous) Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	4	0	0	0	0	0	0	0	0	0	0
2	0	4	0	0	0	0	0	0	0	0	0	0
3	0	6	0	0	0	0	0	0	0	0	0	0
4	0	5	0	0	0	0	0	0	0	0	0	0
5	0	19	0	0	0	0	0	0	0	0	0	0
6	0	12	0	0	0	0	0	0	0	0	0	0
7	0	8	0	0	0	0	0	0	0	0	0	0
8	0	3	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	4	0	0	0	0	0	0	0	0	0	0
11	0	14	0	0	0	0	0	0	0	0	0	0
12	0	11	0	0	0	0	0	0	0	0	0	0
13	0	9	0	0	0	0	0	0	0	0	0	0
14	0	19	0	0	0	0	0	0	0	0	0	0
15	0	19	0	0	0	0	0	0	0	0	0	0
16	0	19	0	0	0	0	0	0	0	0	0	0
17	0	19	0	0	0	0	0	0	0	0	0	0
18	0	19	0	0	0	0	0	0	0	0	0	0
19	0	19	0	0	0	0	0	0	0	0	0	0
20	19	19	0	0	0	0	0	0	0	0	0	0
21	19	19	0	0	0	0	0	0	0	0	0	0
22	19	19	0	0	0	0	0	0	0	0	0	0
23	18	15	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	4	0	0	0	0	0	0	0	0	0	0	0
27	19	0	0	0	0	0	0	0	0	0	0	0
28	19	18	0	0	0	0	0	0	0	0	0	0
29	19	-	0	0	0	0	0	0	0	0	0	0
30	3	-	0	0	0	0	0	0	0	0	0	0
31	3	-	0	-	0	-	0	0	-	0	-	0
TOTAL	142	303	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	19	19	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	5	11	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	282	601	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	445	MAX.,	19	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	883		

City of Bakersfield Diverted to North Kern WSD
(Non-Kern River) Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	3	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	2	0	0	0	0	0	0	0	0	0
9	0	0	2	0	0	0	0	0	0	0	0	0
10	0	0	3	0	0	0	0	0	0	0	0	0
11	0	1	3	0	0	0	0	0	0	0	0	0
12	0	0	2	0	0	0	0	0	0	0	0	0
13	0	0	2	0	0	0	0	0	0	0	0	0
14	0	1	0	0	0	0	0	0	0	0	0	0
15	0	2	0	0	0	0	0	0	0	0	0	1
16	0	2	0	0	0	0	0	0	0	0	0	0
17	0	2	0	0	0	0	0	0	0	0	1	0
18	0	2	0	0	0	0	0	0	0	0	2	0
19	0	2	0	0	0	0	0	0	0	0	1	0
20	2	2	0	0	0	0	0	0	0	0	1	0
21	2	2	0	0	0	0	0	0	0	0	1	0
22	2	2	0	0	0	0	0	0	0	0	1	0
23	2	2	0	0	0	0	0	0	0	0	1	0
24	2	0	0	0	0	0	0	0	0	0	1	1
25	2	0	0	0	0	0	0	0	0	0	1	1
26	2	0	0	0	0	0	0	0	0	0	1	1
27	2	0	0	0	0	0	0	0	0	0	0	1
28	2	0	0	0	0	0	0	0	0	0	0	1
29	2	-	0	0	0	0	0	0	0	0	0	1
30	0	-	0	0	0	0	0	0	0	0	0	1
31	0	-	0	-	0	-	0	0	-	0	-	1
TOTAL	20	23	14	0	0	0	0	0	0	0	11	13
MAXIMUM DAY	2	3	3	0	0	0	0	0	0	0	2	2
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	40	45	28	0	0	0	0	0	0	0	22	26
WHOLE YEAR:-	TOTAL,	81	MAX.,	3	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	161		

CAWELO WATER DISTRICT OPERATIONS

Quantities in acre-feet

Year: 2001

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Cawelo WD via Pump Station "B"	67	141	1,876	2,114	5,802	8,862	9,778	8,293	3,820	2,176	811	337	44,077
Lerdo Delivery Gate No. 8-0-1	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-2	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-10	0	48	55	0	0	0	0	0	0	0	208	0	311
Lerdo Delivery Gate No. 8-0-15	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-22	0	2	101	77	103	178	226	107	14	32	38	0	840
Lerdo Delivery Gate No. 8-0-25	0	17	14	14	89	89	67	65	44	8	0	0	445
Lerdo Delivery Gate No. 8-0-100	0	0	6	12	12	8	12	8	4	12	0	0	74
Lerdo Delivery Gate No. 8-0-288	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-289	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-290	0	20	42	93	143	167	212	163	79	77	0	18	1,014
Lerdo Delivery Gate No. 8-0-291	0	20	24	87	121	145	175	56	0	0	2	0	630
Lerdo Delivery Gate No. 8-0-292	0	2	2	4	10	12	16	12	8	12	2	0	80
Lerdo Delivery Gate No. 8-23-006	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Total Lerdo Gate Deliveries	0	109	244	287	478	599	708	411	149	141	250	18	3,394
Beardsley Canal Loss	4	28	50	60	61	60	61	61	60	61	40	24	570
Lerdo Loss	0	0	22	26	64	101	111	91	41	25	10	4	497
+ Total Loss	4	30	72	86	125	161	172	152	101	86	50	28	1,067
= Total Diverted for Cawelo WD	71	280	2,192	2,487	6,405	9,622	10,658	8,856	4,070	2,403	1,111	383	48,538

Cawelo Water District Source of Supply:

+ City of Bakersfield Basic Contract	0	0	2,037	2,487	6,206	4,940	0	0	0	0	0	0	15,670
+ City of Bakersfield Miscellaneous	63	178	0	0	0	0	0	0	0	0	127	351	719
+ City of Bakersfield Non-Kern River	8	46	46	0	0	0	0	2	0	0	28	32	162
+ Kern River Canal & Irrigating Company	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sunview Vineyards Well	0	0	0	0	56	111	93	60	0	0	0	0	320
+ Paramount Farming Co. Well	0	0	0	0	143	145	161	141	91	141	67	0	889
+ Buena Vista WSD Exchange	0	0	109	0	0	2,801	4,683	7,973	563	1,131	885	0	18,145
+ Nickel LLC Carmel Water	0	0	0	0	0	0	200	0	0	0	0	0	200
+ North Kern WSD Exchange	0	56	0	0	0	375	4,625	226	1,139	1,131	4	0	7,556
+ Kern Delta Water District Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ via CVC Conduit "A"	0	0	0	0	0	1,250	896	454	2,277	0	0	0	4,877
+ North Kern WSD Non-Kern River	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Cawelo Water District Supply	71	280	2,192	2,487	6,405	9,622	10,658	8,856	4,070	2,403	1,111	383	48,538

DISCHARGE IN CUBIC FEET PER SECOND Cawelo Water District Total Diverted via Beardsley-Lerdo Canal System Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	17	10	86	39	154	162	172	114	27	31	18
2	0	17	10	92	46	177	171	167	116	67	33	0
3	0	17	15	85	47	175	171	165	118	71	32	0
4	0	17	12	50	88	169	198	165	113	70	32	4
5	0	0	5	41	86	163	198	167	122	49	34	4
6	0	0	5	43	87	165	212	168	119	45	32	22
7	0	0	5	44	83	164	241	160	115	41	33	18
8	0	7	0	17	81	170	195	142	114	47	34	18
9	0	10	0	25	88	127	195	147	113	45	34	18
10	0	8	0	24	88	128	199	145	115	44	33	18
11	0	0	0	24	82	123	171	159	83	44	35	18
12	0	2	0	18	86	159	172	159	83	20	33	19
13	0	8	0	21	85	164	172	163	80	25	34	18
14	0	0	40	18	87	166	170	164	46	24	34	18
15	0	0	42	17	86	166	162	155	43	26	26	0
16	0	0	39	27	84	166	169	147	43	25	2	0
17	0	0	44	25	82	167	167	146	44	41	0	0
18	0	0	42	42	82	164	170	141	46	45	0	0
19	0	0	50	47	111	170	172	137	45	44	0	0
20	0	0	50	46	111	168	173	139	44	42	0	0
21	0	0	50	43	117	171	165	139	45	43	0	0
22	0	0	45	38	123	169	162	138	45	43	0	0
23	0	0	39	41	156	147	174	136	44	44	0	0
24	0	8	45	81	160	149	176	125	41	41	0	0
25	0	9	42	51	158	152	176	116	41	44	0	0
26	0	8	82	50	119	166	175	116	21	26	0	0
27	0	9	84	41	145	177	153	122	22	24	17	0
28	0	4	86	41	154	172	122	119	26	26	17	0
29	0	-	86	37	159	175	125	118	25	27	17	0
30	18	-	85	39	153	168	155	114	26	27	17	0
31	18	-	92	-	156	-	151	114	-	24	-	0
TOTAL	36	141	1,105	1,254	3,229	4,851	5,374	4,465	2,052	1,211	560	193
MAXIMUM DAY	18	17	92	92	160	177	241	172	122	71	35	22
MINIMUM DAY	0	0	0	17	39	123	122	114	21	20	0	0
MEAN	1	5	36	42	104	162	173	144	68	39	19	6
TOTAL AC. FT.	71	280	2,192	2,487	6,405	9,622	10,658	8,856	4,070	2,403	1,111	383
WHOLE YEAR:-	TOTAL,	24,471	MAX.,	241	MIN.,	0	MEAN,	67	TOTAL AC.FT.,	48,538		

City of Bakersfield Diverted to Cawelo Water District
(Basic Contract)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	6	86	39	149	0	0	0	0	0	0
2	0	0	8	92	46	172	0	0	0	0	0	0
3	0	0	12	85	47	170	0	0	0	0	0	0
4	0	0	9	50	88	164	0	0	0	0	0	0
5	0	0	2	41	86	158	0	0	0	0	0	0
6	0	0	3	43	87	160	0	0	0	0	0	0
7	0	0	3	44	83	159	0	0	0	0	0	0
8	0	0	0	17	78	165	0	0	0	0	0	0
9	0	0	0	25	85	122	0	0	0	0	0	0
10	0	0	0	24	85	123	0	0	0	0	0	0
11	0	0	0	24	79	118	0	0	0	0	0	0
12	0	0	0	18	83	154	0	0	0	0	0	0
13	0	0	0	21	82	160	0	0	0	0	0	0
14	0	0	38	18	84	162	0	0	0	0	0	0
15	0	0	41	17	83	163	0	0	0	0	0	0
16	0	0	39	27	81	162	0	0	0	0	0	0
17	0	0	44	25	79	30	0	0	0	0	0	0
18	0	0	42	42	77	0	0	0	0	0	0	0
19	0	0	50	47	106	0	0	0	0	0	0	0
20	0	0	50	46	106	0	0	0	0	0	0	0
21	0	0	50	43	112	0	0	0	0	0	0	0
22	0	0	45	38	118	0	0	0	0	0	0	0
23	0	0	39	41	151	0	0	0	0	0	0	0
24	0	0	45	81	155	0	0	0	0	0	0	0
25	0	0	41	51	153	0	0	0	0	0	0	0
26	0	0	50	50	114	0	0	0	0	0	0	0
27	0	0	84	41	140	0	0	0	0	0	0	0
28	0	0	86	41	149	0	0	0	0	0	0	0
29	0	-	86	37	154	0	0	0	0	0	0	0
30	0	-	85	39	148	0	0	0	0	0	0	0
31	0	-	69	-	151	-	0	0	-	0	-	0
TOTAL	0	0	1,027	1,254	3,129	2,491	0	0	0	0	0	0
MAXIMUM DAY	0	0	86	92	155	172	0	0	0	0	0	0
MINIMUM DAY	0	0	0	17	39	0	0	0	0	0	0	0
MEAN	0	0	33	42	101	83	0	0	0	0	0	0
TOTAL AC. FT.	0	0	2,037	2,487	6,206	4,940	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	7,901	MAX.,	172	MIN.,	0	MEAN,	22	TOTAL AC.FT.,	15,670		

**City of Bakersfield Diverted to Cawelo Water District
(Miscellaneous)**

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	15	0	0	0	0	0	0	0	0	0	16
2	0	15	0	0	0	0	0	0	0	0	0	0
3	0	14	0	0	0	0	0	0	0	0	0	0
4	0	14	0	0	0	0	0	0	0	0	0	3
5	0	0	0	0	0	0	0	0	0	0	0	3
6	0	0	0	0	0	0	0	0	0	0	0	21
7	0	0	0	0	0	0	0	0	0	0	0	17
8	0	7	0	0	0	0	0	0	0	0	0	16
9	0	10	0	0	0	0	0	0	0	0	0	16
10	0	8	0	0	0	0	0	0	0	0	0	16
11	0	0	0	0	0	0	0	0	0	0	0	17
12	0	1	0	0	0	0	0	0	0	0	0	18
13	0	6	0	0	0	0	0	0	0	0	0	18
14	0	0	0	0	0	0	0	0	0	0	0	16
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	16	0
28	0	0	0	0	0	0	0	0	0	0	16	0
29	0	-	0	0	0	0	0	0	0	0	16	0
30	16	-	0	0	0	0	0	0	0	0	16	0
31	16	-	0	-	0	-	0	0	-	0	-	0
TOTAL	32	90	0	0	0	0	0	0	0	0	64	177
MAXIMUM DAY	16	15	0	0	0	0	0	0	0	0	16	21
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	3	0	0	0	0	0	0	0	0	2	6
TOTAL AC. FT.	63	178	0	0	0	0	0	0	0	0	127	351
WHOLE YEAR:-	TOTAL,	363	MAX.,	21	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	719		

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

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	2	4	0	0	0	0	0	0	0	0	2
2	0	2	2	0	0	0	0	0	0	0	0	0
3	0	3	3	0	0	0	0	0	0	0	0	0
4	0	3	3	0	0	0	0	0	0	0	2	1
5	0	0	3	0	0	0	0	0	0	0	0	1
6	0	0	2	0	0	0	0	0	0	0	0	1
7	0	0	2	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0	1	2
10	0	0	0	0	0	0	0	0	0	0	1	2
11	0	0	0	0	0	0	0	0	0	0	1	1
12	0	1	0	0	0	0	0	0	0	0	1	1
13	0	2	0	0	0	0	0	0	0	0	1	0
14	0	0	2	0	0	0	0	0	0	0	1	2
15	0	0	1	0	0	0	0	0	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	1	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	2	0	0	0	0	0	0	0	0	0	0
25	0	2	1	0	0	0	0	0	0	0	0	0
26	0	2	0	0	0	0	0	1	0	0	0	0
27	0	2	0	0	0	0	0	0	0	0	1	0
28	0	2	0	0	0	0	0	0	0	0	1	0
29	0	-	0	0	0	0	0	0	0	0	1	0
30	2	-	0	0	0	0	0	0	0	0	1	0
31	2	-	0	-	0	-	0	0	-	0	-	0
TOTAL	4	23	23	0	0	0	0	1	0	0	14	16
MAXIMUM DAY	2	3	4	0	0	0	0	1	0	0	2	2
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	0	0	0	0	0	0	0	0	1
TOTAL AC. FT.	8	46	46	0	0	0	0	2	0	0	28	32
WHOLE YEAR:-	TOTAL,	81	MAX.,	4	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	162		

DISCHARGE IN CUBIC FEET PER SECOND
Buena Vista WSD Diverted for Cawelo Water District
(Kern River/SWP Exchange)
Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	167	0	12	26	0
2	0	0	0	0	0	0	0	164	0	32	30	0
3	0	0	0	0	0	0	0	161	0	34	29	0
4	0	0	0	0	0	0	0	162	0	34	27	0
5	0	0	0	0	0	0	0	164	0	23	31	0
6	0	0	0	0	0	0	0	163	0	21	29	0
7	0	0	0	0	0	0	0	158	0	20	30	0
8	0	0	0	0	0	0	0	140	0	24	31	0
9	0	0	0	0	0	0	0	142	0	21	30	0
10	0	0	0	0	0	0	0	140	0	20	29	0
11	0	0	0	0	0	0	0	159	0	21	32	0
12	0	0	0	0	0	0	0	159	0	8	30	0
13	0	0	0	0	0	0	0	158	0	11	33	0
14	0	0	0	0	0	0	0	159	0	12	33	0
15	0	0	0	0	0	0	0	150	16	12	25	0
16	0	0	0	0	0	0	8	142	20	11	1	0
17	0	0	0	0	0	133	164	141	22	20	0	0
18	0	0	12	0	0	161	165	141	22	21	0	0
19	0	0	25	0	0	166	169	134	21	21	0	0
20	0	0	13	0	0	165	168	134	20	20	0	0
21	0	0	44	0	0	167	160	135	22	20	0	0
22	0	0	37	0	0	117	157	134	21	20	0	0
23	0	0	38	0	0	71	169	132	21	20	0	0
24	0	0	38	0	0	73	172	121	21	20	0	0
25	0	0	39	0	0	75	172	113	20	21	0	0
26	0	0	32	0	0	89	170	112	11	12	0	0
27	0	0	0	0	0	100	149	119	10	11	0	0
28	0	0	0	0	0	95	118	116	12	12	0	0
29	0	-	0	0	0	0	121	0	12	12	0	0
30	0	-	0	0	0	0	151	0	13	12	0	0
31	0	-	23	-	0	-	148	0	-	12	-	0
TOTAL	0	0	301	0	0	1,412	2,361	4,020	284	570	446	0
MAXIMUM DAY	0	0	44	0	0	167	172	167	22	34	33	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	8	0	0
MEAN	0	0	10	0	0	47	76	130	9	18	15	0
TOTAL AC. FT.	0	0	597	0	0	2,801	4,683	7,973	563	1,131	885	0
WHOLE YEAR:-	TOTAL,	9,394	MAX.,	172	MIN.,	0	MEAN,	26	TOTAL AC.FT.,	18,633		

DISCHARGE IN CUBIC FEET PER SECOND Cawelo Water District Diverted via Cross Valley Canal Conduit "A" Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	75	0	90	0	0	0
2	0	0	0	0	0	0	76	0	90	0	0	0
3	0	0	0	0	0	0	73	0	90	0	0	0
4	0	0	0	0	0	0	73	0	89	0	0	0
5	0	0	0	0	0	0	46	0	89	0	0	0
6	0	0	0	0	0	0	32	0	89	0	0	0
7	0	0	0	0	0	0	33	0	89	0	0	0
8	0	0	0	0	0	0	33	0	89	0	0	0
9	0	0	0	0	0	0	11	0	89	0	0	0
10	0	0	0	0	0	0	0	0	89	0	0	0
11	0	0	0	0	0	0	0	0	75	0	0	0
12	0	0	0	0	0	0	0	0	67	0	0	0
13	0	0	0	0	0	0	0	0	64	0	0	0
14	0	0	0	0	0	0	0	0	39	0	0	0
15	0	0	0	0	0	0	0	0	10	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	48	0	0	0	0	0	0
23	0	0	0	0	0	72	0	0	0	0	0	0
24	0	0	0	0	0	72	0	0	0	0	0	0
25	0	0	0	0	0	73	0	0	0	0	0	0
26	0	0	0	0	0	73	0	0	0	0	0	0
27	0	0	0	0	0	73	0	0	0	0	0	0
28	0	0	0	0	0	73	0	0	0	0	0	0
29	0	0	0	0	0	73	0	49	0	0	0	0
30	0	0	0	0	0	73	0	90	0	0	0	0
31	0	0	0	0	0	0	0	90	0	0	0	0
TOTAL	0	0	0	0	0	630	452	229	1,148	0	0	0
MAXIMUM DAY	0	0	0	0	0	73	76	90	90	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	21	15	7	38	0	0	0
TOTAL AC. FT.	0	0	0	0	0	1,250	896	454	2,277	0	0	0
WHOLE YEAR:-	TOTAL,	2,459	MAX.,	90	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	4,877		

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

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

(Basic Contract)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	40	50	62	76	0	0	0	0	0	0
2	0	0	18	125	51	74	0	0	0	0	0	0
3	0	0	17	138	64	62	0	0	0	0	0	0
4	0	0	41	133	42	68	0	0	0	0	0	0
5	0	0	32	71	38	57	0	0	0	0	0	0
6	0	0	50	54	50	60	0	0	0	0	0	0
7	0	0	34	75	73	53	0	0	0	0	0	0
8	0	0	45	59	55	51	0	0	0	0	0	0
9	0	0	42	39	50	55	0	0	0	0	0	0
10	0	0	37	34	49	57	0	0	0	0	0	0
11	0	0	39	38	55	53	0	0	0	0	0	0
12	0	0	33	31	57	48	0	0	0	0	0	0
13	0	0	10	30	61	49	0	0	0	0	0	0
14	0	0	33	23	58	45	0	0	0	0	0	0
15	0	0	30	44	55	21	0	0	0	0	0	0
16	0	0	31	49	90	0	0	0	0	0	0	0
17	0	0	31	50	61	0	0	0	0	0	0	0
18	0	0	31	42	60	0	0	0	0	0	0	0
19	0	0	29	43	50	0	0	0	0	0	0	0
20	0	0	28	50	54	0	0	0	0	0	0	0
21	0	0	37	30	45	0	0	0	0	0	0	0
22	0	0	33	22	57	0	0	0	0	0	0	0
23	0	0	43	34	63	0	0	0	0	0	0	0
24	0	0	44	43	77	0	0	0	0	0	0	0
25	0	0	42	61	64	0	0	0	0	0	0	0
26	0	0	41	51	56	0	0	0	0	0	0	0
27	0	0	55	50	71	0	0	0	0	0	0	0
28	0	0	49	57	65	74	0	0	0	0	0	0
29	0	-	49	45	62	193	0	0	0	0	0	0
30	0	-	53	50	63	177	0	0	0	0	0	0
31	0	-	47	-	58	-	0	0	-	0	-	0
TOTAL	0	0	1,144	1,621	1,816	1,273	0	0	0	0	0	0
MAXIMUM DAY	0	0	55	138	90	193	0	0	0	0	0	0
MINIMUM DAY	0	0	10	22	38	0	0	0	0	0	0	0
MEAN	0	0	37	54	59	42	0	0	0	0	0	0
TOTAL AC. FT.	0	0	2,269	3,215	3,602	2,524	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	5,854	MAX.,	193	MIN.,	0	MEAN,	16	TOTAL AC.FT.,	11,610	0	0

City of Bakersfield Diverted for Kern-Tulare WD
(Miscellaneous)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	15	0	0	0	0	0	0	0	0	0
7	0	0	44	0	0	0	0	0	0	0	0	0
8	0	0	29	0	0	0	0	0	0	0	0	0
9	0	0	35	0	0	0	0	0	0	0	0	0
10	0	0	44	0	0	0	0	0	0	0	0	0
11	0	0	44	0	0	0	0	0	0	0	0	0
12	0	0	43	0	0	0	0	0	0	0	0	0
13	0	0	54	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	18	0
17	0	0	0	0	0	0	0	0	0	0	18	0
18	0	0	0	0	0	0	0	0	0	0	18	0
19	0	0	0	0	0	0	0	0	0	0	18	0
20	0	0	0	0	0	0	0	0	0	0	18	0
21	0	0	0	0	0	0	0	0	0	0	18	0
22	0	0	0	0	0	0	0	0	0	0	9	0
23	0	0	0	0	0	0	0	0	0	0	13	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	18	0
27	0	0	0	0	0	0	0	0	0	0	1	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	308	0	0	0	0	0	0	0	149	0
MAXIMUM DAY	0	0	54	0	0	0	0	0	0	0	18	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	10	0	0	0	0	0	0	0	5	0
TOTAL AC. FT.	0	0	612	0	0	0	0	0	0	0	294	0
WHOLE YEAR:-	TOTAL,	457	MAX.,	54	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	906		

Year: 2001

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	6	8	9	12	0	0	0	0	0	0
2	0	0	3	19	8	11	0	0	0	0	0	0
3	0	0	3	22	10	9	0	0	0	0	0	0
4	0	0	6	20	6	10	0	0	0	0	0	0
5	0	0	5	11	6	8	0	0	0	0	0	0
6	0	0	7	8	8	9	0	0	0	0	0	0
7	0	0	5	11	11	8	0	0	0	0	0	0
8	0	0	7	9	8	8	0	0	0	0	0	0
9	0	0	6	6	7	8	0	0	0	0	0	0
10	0	0	5	5	7	8	0	0	0	0	0	0
11	0	0	6	6	8	8	0	0	0	0	0	0
12	0	0	5	5	9	7	0	0	0	0	0	0
13	0	0	1	4	9	7	0	0	0	0	0	0
14	0	0	5	3	9	7	0	0	0	0	0	0
15	0	0	4	7	8	4	0	0	0	0	0	0
16	0	0	5	7	14	0	0	0	0	0	0	0
17	0	0	5	8	9	0	0	0	0	0	0	0
18	0	0	5	6	9	0	0	0	0	0	0	0
19	0	0	4	6	7	0	0	0	0	0	0	0
20	0	0	4	7	8	0	0	0	0	0	0	0
21	0	0	6	4	7	0	0	0	0	0	0	0
22	0	0	5	3	8	0	0	0	0	0	0	0
23	0	0	6	5	9	0	0	0	0	0	0	0
24	0	0	7	7	11	0	0	0	0	0	0	0
25	0	0	6	9	10	0	0	0	0	0	0	0
26	0	0	6	8	8	0	0	0	0	0	0	0
27	0	0	9	7	11	0	0	0	0	0	0	0
28	0	0	7	8	10	11	0	0	0	0	0	0
29	0	-	7	7	9	29	0	0	0	0	0	0
30	0	-	8	7	10	26	0	0	0	0	0	0
31	0	-	7	-	9	-	0	0	-	0	-	0
TOTAL	0	0	171	243	272	190	0	0	0	0	0	0
MAXIMUM DAY	0	0	9	22	14	29	0	0	0	0	0	0
MINIMUM DAY	0	0	1	3	6	0	0	0	0	0	0	0
MEAN	0	0	6	8	9	6	0	0	0	0	0	0
TOTAL AC. FT.	0	0	340	482	540	378	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	876	MAX.,	29	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,740		

City of Bakersfield Diverted for Rag Gulch WD
(Miscellaneous) Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	2	0	0	0	0	0	0	0	0	0
7	0	0	6	0	0	0	0	0	0	0	0	0
8	0	0	4	0	0	0	0	0	0	0	0	0
9	0	0	6	0	0	0	0	0	0	0	0	0
10	0	0	6	0	0	0	0	0	0	0	0	0
11	0	0	7	0	0	0	0	0	0	0	0	0
12	0	0	6	0	0	0	0	0	0	0	0	0
13	0	0	10	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	47	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	10	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	2	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	92	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	47	MAX.,	10	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	92		

**IMPROVEMENT DISTRICT NO. 4
KERN RIVER SUPPLY AND DIVERSION RECAP**

YEAR: 2001

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Treatment Plant via Calloway Canal	0	0	0	1479	2922	1493	0	0	0	0	0	0	5894
+ Calloway Canal Operational Losses	0	0	0	187	204	109	0	0	0	0	0	101	601
+ Calloway Canal Below '99"	0	0	0	14	0	0	0	0	0	0	0	2458	2472
+ Cross Valley Canal Filling Losses	0	0	0	61	6	0	0	0	0	0	0	0	67
+ Cross Valley Canal Reverse Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cross Valley Canal River Turnout #4	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total Calloway Canal	0	0	0	1741	3132	1602	0	0	0	0	0	2559	9034
+ KRC&I Co. #1 Ditch Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC&I Co. #1 Ditch to Cally. Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Truxtun Lakes	0	71	196	104	97	89	0	0	0	0	0	197	754
+ Arvin-Edison WSD Turnout	0	1690	0	0	0	0	0	0	0	0	0	0	1690
+ Carrier Canal Loss/Spdg.	0	569	520	105	0	0	0	0	0	0	0	0	1194
+ Sub-total via Carrier Canal	0	2330	716	209	97	89	0	0	0	0	0	197	3638
+ River Loss/Spdg. Above Cally. Weir	0	401	38	1501	913	198	0	0	0	0	1418	991	5460
+ River Spreading Below Cally. Weir	0	836	738	113	0	1013	1620	130	0	0	2123	986	7559
+ Sub-total River Loss/Spreading	0	1237	776	1614	913	1211	1620	130	0	0	3541	1977	13019
+ Via Pioneer Canal Inlet	0	781	1265	133	0	0	0	0	0	0	0	0	2179
+ Via Pioneer North	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Kern Water Bank at 2nd Point	0	0	0	0	0	0	0	0	0	0	0	0	0
+ For North Kern WSD (Category "B" Payback)	0	0	0	0	0	375	2339	0	0	0	0	0	2714
= Improvement District #4 Total Diverted	0	4348	2757	3697	4142	3277	3959	130	0	0	3541	4733	30584
+ Kern-Tulare WD Basic Contract	0	0	2269	3215	3602	2524	0	0	0	0	0	0	11610
+ Rag Gulch WD Basic Contract	0	0	340	482	540	378	0	0	0	0	0	0	1740
= Sub-total K-TWD/RGWD Basic Contract	0	0	2609	3697	4142	2902	0	0	0	0	0	0	13350
+ Kern-Tulare WD 2001 Miscellaneous	0	0	0	0	0	0	0	0	0	0	294	0	294
+ Rag Gulch WD 2001 Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
= Sub-total K-TWD/RGWD '01 Misc.	0	0	0	0	0	0	0	0	0	0	294	0	294
+ City Truxtun Lake Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ City Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Friant-Kern Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total City	0	0	0	0	0	0	0	0	0	0	0	0	0
+ North Kern WSD Exchange	0	4348	73	0	0	0	0	0	0	0	3247	4733	12401
+ Hacienda WD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ BVWSD Exchange (1) 4-23-01	0	0	75	0	0	0	0	0	0	0	0	0	75
+ BVWSD Exchange (2) 6-27-01	0	0	0	0	0	375	2339	0	0	0	0	0	2714
+ BVWSD Exchange (3) "Parkway Recharge"	0	0	0	0	0	0	1620	130	0	0	0	0	1750
+ Kern Delta WD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Lake Isabella Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
= Improvement District #4 Total Supply	0	4348	2757	3697	4142	3277	3959	130	0	0	3541	4733	30584

DISCHARGE IN CUBIC FEET PER SECOND **Total Flow via the Rosedale Channel at Head (All Sources)** **Year: 2001**
 (Diverted from Kern River Channel)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	69	0	0	0	0	0	0	0	0	0	0	0
5	74	0	61	0	0	0	0	0	0	0	0	0
6	42	0	43	0	0	0	0	0	0	0	0	0
7	29	0	0	0	0	0	0	0	0	0	0	0
8	36	0	0	0	0	0	0	0	0	0	0	0
9	58	0	0	0	0	0	0	0	0	0	0	0
10	122	0	0	0	0	0	0	0	0	0	0	0
11	184	0	0	0	0	0	0	0	0	0	0	0
12	174	0	0	0	0	0	0	0	0	0	0	0
13	137	0	0	0	0	0	0	0	0	0	0	0
14	123	0	0	0	0	0	0	0	0	0	0	0
15	93	0	0	0	0	0	0	0	0	0	0	0
16	103	0	0	0	0	0	0	0	0	0	0	0
17	103	0	0	0	0	0	0	0	0	0	0	0
18	87	0	0	0	0	0	0	0	0	0	0	0
19	64	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	1,498	0	104	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	184	0	61	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	48	0	3	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	2,971	0	206	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,602	MAX.,	184	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	3,177		

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

Quantities in acre-feet

Year: 2001

1	2	3	4	5	6	7	8		9		10		11		12
							(f)		(g)		(h)				
(a)	(b)	(c)	(d)	(e)	Total	Basic Contract		Miscellaneous		Other Supply		Kern River Floodwater	Friant-Kern Floodwater		
Friant-Kern Inflow	Friant-Kern Delivered	SWP Inflow	SWP Delivered	River Canal Transportation Charge on Column 2	Kern River Delivered	No Charge (1st 4000) acre-feet	acre-feet Sold at \$1.00	acre-feet Sold at \$6.00	acre-feet Sold at \$21.00	Kern River Floodwater	Friant-Kern Floodwater				
January	0	0	0	\$0.00	2,971	2,971	0	0	0	0	0	0	0		
February	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
March	0	0	0	\$0.00	206	206	0	0	0	0	0	0	0		
April	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
May	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
June	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
July	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
August	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
September	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
October	0	0	0	\$0.00	0	0	0	0	0	0	0	0	0		
November	0	0	0	\$0.00	8	8	0	0	8	0	0	0	0		
December	0	0	0	\$0.00	787	787	0	0	787	0	0	0	0		
Total	0	0	0	\$0.00	3,972	3,177	0	0	795	0	0	0	0		

4.392	=	Current Escalator	=	4.392
\$0.00	=	Totals	=	\$0.00
(per 1961 Agreement)				

758	0	2000
200	0	1999
48,695	0	1998
49,226	0	1997
Preceding Four Years		
99,674	0	Five Year Totals
19,935	0	Five Year Averages
2,046	2.046	Current Escalator
\$12.28	\$42.97	Current Price per acre-foot
\$244,801.80	\$0.00	Five Year Average Sales

Notes :

(a) As charged RRBWSD by U.S.B.R.

(b) Column 1 less transportation losses.

(c) As charged RRBWSD by KCWA.

(d) Column 3 less transportation losses.

(e) \$0.10 per acre-foot escalated annually (31.6 = 1-82 base index).

(f) \$1.00 per acre-foot escalated annually (31.6 = 1-82 base index) after the first 4,000 AcFt of each successive 10,000 acre-feet delivered.

(g) Subject to annual escalation per 1976 agreement (62.8 = 1-82 base index).

(h) Delivered during periods of Kern River Mandatory Release when designated by U.S. Army Corps of Engineers.

ROSEDALE RBWSD DIVERSION RECAPITULATION

Does not include deliveries off the Cross Valley Canal.....

Quantities in acre-feet

YEAR: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rosedale Channel at Headgate	+ 2,971	0	206	0	0	0	0	0	0	0	0	0	3,177
City to Bolthouse Farms	- 0	0	0	0	0	0	0	0	0	0	0	0	0
for Rosedale RBWSD	= 2,971	0	206	0	3,177								
- City Contract Water	2,971	0	206	0	0	0	0	0	0	0	0	0	3,177
= Other Water	0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to South Pioneer	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to North Pioneer	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Central Pioneer	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
via Pioneer Canal Inlet	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Spreading (Net)	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Channel Spreading	+ 0	0	0	0	0	0	0	0	0	0	8	753	761
Truxtun Lake Recharge	+ 0	0	0	0	0	0	0	0	0	0	0	14	14
Carrier Canal Spreading	+ 0	0	0	0	0	0	0	0	0	0	0	20	20
For Improvement District #4	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Total Diverted	= 2,971	0	206	0	8	787	3,972						

City of Bakersfield Basic Contract	+ 2,971	0	206	0	0	0	0	0	0	0	0	0	3,177
City of Bakersfield Miscellaneous	+ 0	0	0	0	0	0	0	0	0	0	8	787	795
Hacienda WD Exchange	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista WSD Purchase	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Improvement District #4	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern A-EWSD Exchange	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern K-TWD/RGWD Exch.	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	= 2,971	0	206	0	8	787	3,972						

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	(2)	END of YEAR	
				KERN RIVER BASIC CONTRACT DELIVERED	KERN RIVER BASIC CONTRACT OBLIGATION		CARRY FORWARD OVER (UNDER)	CONTRACT BALANCE (3)
							(4)	60,000
1976	0	0	0	0	10,000	(10,000)		50,000
1977	2,199	0	2,199	2,199	10,000	(7,801)		42,199
1978	76,365	4,371	71,994	10,000	10,000	0		42,199
1979	14,568	9,921	4,647	4,647	10,000	(5,353)		36,846
1980	70,790	4,167	66,623	10,000	10,000	0		36,846
1981	773	0	773	773	10,000	(9,227)		27,619
1982	88,374	40,595	47,779	10,000	10,000	0		27,619
1983	134,534	1,440	133,094	10,000	10,000	0		27,619
1984	38,854	0	38,854	10,000	10,000	0		27,619
1985	20,694	0	20,694	0	10,000	(10,000)		17,619
1986	87,761	5,209	82,552	20,000	10,000	10,000		27,619
1987	6,000	0	6,000	0	10,000	(10,000)		17,619
1988	7,845	0	7,845	0	10,000	(10,000)		7,619
1989	4,500	0	4,500	0	10,000	(10,000)		(2,381)
1990	0	0	0	0	10,000	(10,000)		(12,381)
1991	9,076	0	9,076	9,076	10,000	(924)		(13,305)
1992	1,117	0	1,117	1,117	10,000	(8,883)		(22,188)
1993	55,710	28,820	26,890	10,000	10,000	0		(22,188)
1994	3,039	0	3,039	3,039	10,000	(6,961)		(29,149)
1995	110,777	8,470	102,307	30,000	10,000	20,000		(9,149)
1996	93,257	35,396	57,861	19,149	10,000	9,149		0
1997	97,062	6,612	90,450	10,000	10,000	0		0
1998	113,736	4,432	109,304	25,688	10,000	15,688		15,688
1999	13,387	3,187	10,200	10,000	10,000	0		15,688
2000	29,200	18,442	10,758	10,000	10,000	0		15,688
2001	3,972	0	3,972	3,177	10,000	(6,823)		8,865

(1) Not less than 5,000 acre-feet for any consecutive 5-Year period.

(2) Limit 30,000 acre-feet during any One year.

(3) Gross limit of 60,000 acre-feet.

(4) Pursuant to Article 3.2 of 1976 Agreement No. 76-80; City of Bakersfield carryover credit was 60,000 acre-feet as of January 1, 1976.

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

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
City Entitlement + or - Release	1,230	1,178	12,672	19,022	26,961	12,194	4,295	0	0	175	1,190	1,654	80,571
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern Water Storage District	0	0	0	0	0	5,000	10,000	5,000	0	0	0	0	20,000
Cawelo Water District	0	0	2,037	2,487	6,206	4,940	0	0	0	0	0	0	15,670
Kern-Tulare Water District	0	0	2,269	3,215	3,602	2,524	0	0	0	0	0	0	11,610
Rag Gulch Water District	0	0	340	482	540	378	0	0	0	0	0	0	1,740
Rosedale Rio Bravo WSD	2,971	0	206	0	0	0	0	0	0	0	0	0	3,177
Kern River Canal & Irrigating Co.	0	87	242	853	0	230	1,276	1,234	956	731	79	38	5,726
Truxtun Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation Loss Assignment	0	0	0	0	0	0	0	0	0	0	0	0	0
Isabella Reservoir Loss	34	22	86	220	765	982	693	459	306	196	93	46	3,902
River Transportation Loss	1,961	69	648	577	805	2,529	3,148	1,221	(1)	0	(1)	(1)	10,955
Total Basic Commitments	4,982	194	5,872	7,894	11,995	16,688	15,244	8,035	1,352	992	213	109	73,570

Total City Miscellaneous Water.....	7,001
Rosedale Rio Bravo WSD 1/3 Share.....	2,334

Misc. Water Delivered to RRBWSD	0	0	0	0	0	0	0	0	0	0	8	787	795
Del. under Art.11,Sec. 2.1 (I)(7)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Misc. Delivered to RRBWSD	0	8	787	795									

Over (Under) City Miscellaneous Water Obligation.....	(1,539)
Prior Year Miscellaneous Water Delivery Balance.....	(8,168)
Cumulative Miscellaneous Water Delivery Balance.....	(9,707)

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)	(B)	(C)	(D)	(E)
	TOTAL CITY MISCELLANEOUS DELIVERED	RRBWS 1/3 SHARE OF MISC.	MISC. WATER DELIVERED TO RRBWS (1)	OVER (UNDER) 1/3 SHARE	END OF YEAR CUMULATIVE MISC. WATER BALANCE
					0
1977	0	0	0	0	0
1978	75,473	25,158	29,405	4,247	4,247
1979	34,885	11,628	0	(11,628)	(7,381)
1980	81,572	27,191	28,246	1,055	(6,326)
1981	1,634	545	0	(545)	(6,871)
1982	184,335	61,445	37,779	(23,666)	(30,537)
1983	64,686	21,562	12,292	(9,270)	(39,807)
1984	56,816	18,939	20,856	1,917	(37,890)
1985	50,537	16,846	20,694	3,848	(34,042)
1986	161,307	53,769	56,590	2,821	(31,221)
1987	0	0	6,000	6,000	(25,221)
1988	2,157	719	7,845	7,126	(18,095)
1989	3,838	1,279	4,500	3,221	(14,874)
1990	0	0	0	0	(14,874)
1991	0	0	0	0	(14,874)
1992	0	0	0	0	(14,874)
1993	49,610	16,537	16,890	353	(14,521)
1994	0	0	0	0	(14,521)
1995	91,532	30,511	57,383	26,872	12,351
1996	131,683	43,894	38,603	(5,291)	7,060
1997	196,451	65,484	49,226	(16,258)	(9,198)
1998	142,316	47,439	48,695	1,256	(7,942)
1999	1,807	602	200	(402)	(8,344)
2000	1,745	582	758	176	(8,168)
2001	7,001	2,334	795	(1,539)	(9,707)

Notes:

- (1) Includes water delivered pursuant to Article II, Section 2.1 (i) (7) of Agreement No. 76-80, "Failure to Accept Water".
- Column (B) = Column (A) x 1/3.
- Column (D) = Column (C) minus Column (B).

KERN RIVER CANAL & IRRIGATING COMPANY
CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	16	521	3,528	206	0	0	0	0	0	244	4,515
Release	0	0	0	0	0	0	0	0	0	0	0	14	14
ENTITLEMENT + OR - RELEASE	0	0	16	521	3,528	206	0	0	0	0	0	258	4,529
Oilfield Discharge	0	12	99	97	119	97	67	59	93	96	16	14	769
Other	0	87	242	839	(119)	143	1,276	1,234	956	731	79	38	5,506
Into Isabella Storage	0	0	0	212	976	14	0	0	0	0	0	185	1,387
From Isabella Storage	0	0	0	0	2	1,162	0	0	0	0	0	0	1,164
To NKWSD in Isabella Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED AT HEAD	0	99	357	1,245	2,554	1,594	1,343	1,293	1,049	827	95	125	10,581
Irrigation Deliveries	0	80	292	938	1,329	1,370	1,178	1,130	898	694	65	42	8,016
NKWSD at Seventh Standard Line	0	0	4	156	1,058	61	0	0	0	0	0	73	1,352
Cawelo WD at Pump Station "B"	0	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Canal Loss	0	19	61	151	167	163	165	163	151	133	30	10	1,213
Irrigation Delivery Percentage	0%	81%	83%	88%	93%	90%	88%	87%	86%	84%	68%	92%	89%
Into Isabella Storage	0	0	0	212	976	14	0	0	0	0	0	185	1,387
Isabella Evaporation Loss	0	0	0	0	20	18	0	0	0	0	0	0	38
From Isabella Storage	0	0	0	0	2	1,162	0	0	0	0	0	0	1,164
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage	0	0	0	212	1,166	0	0	0	0	0	0	185	0

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	20	260	14	101	294	52	6	0	0	0	101	159	1,007
Release	(20)	(234)	18	(46)	(32)	0	0	0	0	65	283	(159)	(125)
Entitlement + or - Releases	0	26	32	55	262	52	6	0	0	65	384	0	882
Into Isabella Storage	0	26	0	45	262	22	6	0	0	65	384	0	810
From Isabella Storage	0	0	0	0	0	107	75	93	127	0	0	0	402
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	0	0	32	10	0	137	75	93	127	0	0	0	474
Old South Fork	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch	0	0	32	10	0	137	75	93	127	0	0	0	474

Into Isabella Storage	0	26	0	45	262	22	6	0	0	65	384	0	810
From Isabella Storage	0	0	0	0	0	107	75	93	127	0	0	0	402
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	408	0	408
End of Month Isabella Storage	600	626	626	671	933	848	779	686	559	624	600	600	600

City of Bakersfield Diverted to Kern Delta Water District
(Miscellaneous)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	4	0	0	0	0	0	0	0	0	0	0
24	0	20	0	0	0	0	0	0	0	0	0	0
25	0	20	0	0	0	0	0	0	0	0	0	0
26	0	20	0	0	0	0	0	0	0	0	0	0
27	0	20	0	0	0	0	0	0	0	0	0	0
28	0	1	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	0	0	0	0	0	0	0	0	0
TOTAL	0	85	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	20	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	3	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	168	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	85	MAX.,	20	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	168		

Year: 2001

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	1	2	2	2	2	3	2	1	0
2	1	1	1	1	2	2	3	3	2	2	1	1
3	0	0	1	1	2	2	2	2	2	2	1	0
4	1	0	0	1	2	2	3	3	3	1	1	1
5	1	1	1	1	2	2	2	2	2	1	1	1
6	0	1	1	0	2	3	3	3	2	3	1	1
7	1	0	1	1	2	2	2	2	2	1	1	0
8	0	0	0	1	2	2	3	2	3	2	1	1
9	1	1	1	1	2	2	3	2	2	2	1	0
10	0	1	0	1	2	2	3	3	3	3	1	1
11	1	0	1	1	2	2	2	2	2	1	1	0
12	0	1	0	1	2	2	3	3	2	1	1	1
13	1	1	1	1	2	2	3	2	3	3	1	0
14	1	0	1	1	2	2	3	3	2	2	1	1
15	0	1	1	1	2	2	2	2	3	2	1	0
16	1	1	1	1	2	2	3	3	2	1	1	1
17	0	0	0	1	2	2	3	2	2	2	1	1
18	0	1	0	1	2	2	3	3	3	2	1	1
19	1	0	1	1	2	2	3	2	2	1	1	0
20	0	0	1	1	2	2	3	3	2	2	1	0
21	0	0	0	1	2	2	3	2	2	2	1	1
22	1	1	1	1	2	2	3	3	2	1	1	0
23	0	0	0	1	2	2	2	2	2	2	1	0
24	1	1	1	1	2	2	3	3	2	1	1	1
25	0	1	1	1	2	3	3	2	3	2	1	0
26	0	0	0	1	2	2	3	3	2	1	1	0
27	1	0	1	1	2	2	3	2	2	2	1	1
28	0	1	1	1	3	2	3	3	2	2	2	0
29	1	-	1	1	2	2	3	2	3	1	1	0
30	0	-	0	1	2	2	3	3	2	2	0	1
31	1	-	1	-	2	-	3	3	-	2	-	0
TOTAL	15	14	20	29	63	62	86	77	69	54	30	15
MAXIMUM DAY	1	1	1	1	3	3	3	3	3	3	2	1
MINIMUM DAY	0	0	0	0	2	2	2	2	2	1	0	0
MEAN	0	1	1	1	2	2	3	2	2	2	1	0
TOTAL AC. FT.	31	27	39	57	125	124	170	152	138	108	59	31
WHOLE YEAR:-	TOTAL,	534	MAX.,	3	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	1,061		

City of Bakersfield Diverted to Olcese Water District
 (Pursuant to Agreement No. 99-05 W.B. dated June 30, 1999)
 Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	1	0	0	1	2	2	2	2	1	1	0
2	0	0	0	1	2	3	2	2	1	2	0	0
3	0	0	1	0	1	2	2	2	2	1	0	1
4	0	0	0	1	2	2	2	2	2	1	0	0
5	0	0	1	1	1	2	2	2	1	2	1	0
6	0	0	0	1	2	2	2	2	2	1	0	0
7	0	1	1	1	1	2	2	2	2	1	0	1
8	1	0	1	1	2	2	2	2	1	1	0	0
9	0	0	0	1	2	2	2	2	2	1	0	0
10	0	0	1	1	2	3	2	2	1	1	0	0
11	0	0	0	0	2	2	2	2	2	1	0	0
12	1	0	1	1	2	2	2	2	2	2	0	0
13	0	0	1	1	1	2	2	2	1	1	0	1
14	0	0	0	1	2	2	2	2	2	1	1	0
15	0	0	1	1	2	2	2	2	1	1	0	0
16	0	0	0	1	2	2	2	2	2	1	0	0
17	1	0	1	1	2	2	2	2	2	1	0	0
18	0	0	1	1	2	2	2	2	2	1	1	0
19	0	1	0	1	2	2	2	2	2	1	0	0
20	0	0	1	1	2	2	2	2	1	1	0	1
21	1	1	1	1	2	2	2	2	2	1	1	0
22	0	0	0	1	2	3	2	2	2	1	0	0
23	0	0	1	1	2	2	2	2	1	1	0	0
24	0	0	0	1	2	2	2	2	2	1	1	0
25	0	0	1	1	2	2	2	2	2	1	0	0
26	1	0	1	1	2	2	2	2	1	1	1	0
27	0	1	0	1	2	2	2	2	2	1	0	0
28	1	0	1	1	2	3	2	2	1	1	0	0
29	0	-	1	1	2	2	2	2	2	1	0	0
30	0	-	0	1	2	2	2	2	1	1	1	0
31	0	-	1	-	2	-	2	1	-	1	-	0
TOTAL	6	5	18	27	57	64	62	61	47	34	8	4
MAXIMUM DAY	1	1	1	1	2	3	2	2	2	2	1	1
MINIMUM DAY	0	0	0	0	1	2	2	1	1	1	0	0
MEAN	0	0	1	1	2	2	2	2	2	1	0	0
TOTAL AC. FT.	11	11	35	53	113	127	124	121	93	67	17	7
WHOLE YEAR:-	TOTAL,	393	MAX.,	3	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	779		

Year: 2001

City of Bakersfield Diverted to Kern Valley Golf Course

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	1	1	1	1	0	1	0	0
2	1	0	0	0	0	0	0	0	1	0	0	0
3	0	0	0	0	1	1	1	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	0
5	0	0	0	0	1	1	1	1	1	0	0	0
6	0	0	0	1	0	0	0	0	0	0	0	0
7	0	0	0	0	1	1	1	1	1	1	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	0	0	1	1	1	1	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	0
11	0	0	0	1	0	1	1	1	1	1	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	1	1	1	1	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	1	1	1	1	0	0	0
16	0	0	0	0	1	0	0	0	0	1	0	0
17	0	0	1	0	0	1	1	1	1	0	0	0
18	0	0	0	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	1	0	0	0
20	0	0	0	0	1	1	0	0	0	0	0	0
21	0	0	0	0	0	1	1	1	0	0	0	0
22	0	0	0	0	1	0	0	0	0	1	0	0
23	1	0	1	0	0	1	1	1	1	0	0	0
24	0	0	0	0	1	1	0	0	0	0	0	0
25	0	0	0	1	0	0	1	1	0	0	0	0
26	0	0	0	0	1	1	0	0	0	0	0	0
27	0	0	0	0	0	1	1	1	1	0	0	0
28	0	0	0	0	1	0	0	0	0	0	0	0
29	0	-	0	1	0	1	1	1	0	1	0	0
30	0	-	1	0	1	1	0	0	0	0	0	0
31	0	-	0	-	1	-	1	1	-	0	-	0
TOTAL	2	0	4	5	15	18	16	16	11	7	2	0
MAXIMUM DAY	1	0	1	1	1	1	1	1	1	1	1	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	1	0	0	0	0
TOTAL AC. FT.	3	0	9	10	30	36	32	33	22	14	4	0
WHOLE YEAR:-	TOTAL,	96	MAX.,	1	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	193		

City of Bakersfield 2800 Acre Well Water Diverted to County of Kern
(Pursuant to City/County Letter Agreement dated April 23, 2001)

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	11	20	21	20	0	0	0	0
2	0	0	0	0	9	21	21	20	0	0	0	0
3	0	0	0	0	13	22	17	20	0	0	0	0
4	0	0	0	0	14	22	18	20	0	0	0	0
5	0	0	0	0	13	22	19	19	0	0	0	0
6	0	0	0	0	13	22	20	19	0	0	0	0
7	0	0	0	0	13	22	21	19	0	0	0	0
8	0	0	0	0	13	21	21	19	0	0	0	0
9	0	0	0	0	14	21	21	19	0	0	0	0
10	0	0	0	0	13	21	20	19	0	0	0	0
11	0	0	0	11	21	21	20	19	0	0	0	0
12	0	0	0	15	23	21	20	19	0	0	0	0
13	0	0	0	16	23	21	20	19	0	0	0	0
14	0	0	0	16	23	22	21	19	7	0	0	0
15	0	0	0	16	23	21	21	19	30	0	0	0
16	0	0	0	16	23	20	20	19	32	0	0	0
17	0	0	0	16	23	21	20	6	32	0	0	0
18	0	0	0	16	23	21	19	6	33	0	0	0
19	0	0	0	9	23	20	19	5	33	0	0	0
20	0	0	0	11	23	19	21	10	33	0	0	0
21	0	0	0	16	23	20	20	3	33	0	0	0
22	0	0	0	16	23	20	20	2	33	0	0	0
23	0	0	0	15	23	21	20	0	33	0	0	0
24	0	0	0	16	23	21	20	0	33	0	0	0
25	0	0	0	11	23	21	20	0	33	0	0	0
26	0	0	0	12	22	21	19	0	33	0	0	0
27	0	0	0	14	23	20	18	0	13	0	0	0
28	0	0	0	14	22	20	18	0	0	0	0	0
29	0	0	0	16	22	20	19	0	0	0	0	0
30	0	0	0	15	22	21	20	0	0	0	0	0
31	0	0	0	-	21	-	20	0	-	0	0	0
TOTAL	0	0	0	287	601	626	614	340	411	0	0	0
MAXIMUM DAY	0	0	0	16	23	22	21	20	33	0	0	0
MINIMUM DAY	0	0	0	0	9	19	17	0	0	0	0	0
MEAN	0	0	0	10	19	21	20	11	14	0	0	0
TOTAL AC. FT.	0	0	0	569	1,192	1,241	1,218	674	815	0	0	0
WHOLE YEAR:-	TOTAL,	2,879	MAX.,	33	MIN.,	0	MEAN,	8	TOTAL AC.FT.,	5,709	0	0

Total Water Spread in City of Bakersfield's 2800 Acre Recharge Facility
 (All Sources, All Entities) Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	193	0	0	0	0	0	0	0	0	0
18	0	0	278	0	0	0	0	0	0	0	0	0
19	0	0	186	0	0	0	0	0	0	0	0	0
20	0	0	97	0	0	0	0	0	0	0	0	0
21	0	0	85	0	0	0	0	0	0	0	0	0
22	0	0	74	0	0	0	0	0	0	0	0	0
23	0	0	28	0	0	0	0	0	0	0	0	0
24	0	0	89	0	0	0	0	0	0	0	0	0
25	0	0	127	0	0	0	0	0	0	0	0	0
26	0	0	123	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	1,280	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	278	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	41	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	2,539	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,280	MAX.,	278	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,539		

Year: 2001

Total Flow via the Pioneer Canal at Head

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	30	22	0	0	0	0	0	0	0	0
2	0	0	17	25	0	0	0	0	0	0	0	0
3	0	0	10	20	0	0	0	0	0	0	0	0
4	0	0	3	0	0	0	0	0	0	0	0	0
5	0	0	30	0	0	0	0	0	0	0	0	0
6	0	0	29	0	0	0	0	0	0	0	0	0
7	0	0	19	0	0	0	0	0	0	0	0	0
8	0	0	29	0	0	0	0	0	0	0	0	0
9	0	0	28	0	0	0	0	0	0	0	0	0
10	0	0	24	0	0	0	0	0	0	0	0	0
11	0	0	25	0	0	0	0	0	0	0	0	0
12	0	0	23	0	0	0	0	0	0	0	0	0
13	0	0	3	0	0	0	0	0	0	0	0	0
14	0	0	19	0	0	0	0	0	0	0	0	0
15	0	11	19	0	0	0	0	0	0	0	0	0
16	0	32	20	0	0	0	0	0	0	0	0	0
17	0	20	19	0	0	0	0	0	0	0	0	0
18	0	25	19	0	0	0	0	0	0	0	0	0
19	0	28	19	0	0	0	0	0	0	0	0	0
20	0	30	17	0	0	0	0	0	0	0	0	0
21	0	30	21	0	0	0	0	0	0	0	0	0
22	0	30	20	0	0	0	0	0	0	0	0	0
23	0	34	19	0	0	0	0	0	0	0	0	0
24	0	30	19	0	0	0	0	0	0	0	0	0
25	0	30	18	0	0	0	0	0	0	0	0	0
26	0	30	18	0	0	0	0	0	0	0	0	0
27	0	31	23	0	0	0	0	0	0	0	0	0
28	0	33	24	0	0	0	0	0	0	0	0	0
29	0	-	23	0	0	0	0	0	0	0	0	0
30	0	-	26	0	0	0	0	0	0	0	0	0
31	0	-	25	-	0	-	0	0	-	0	-	0
TOTAL	0	394	638	67	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	34	30	25	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	3	0	0	0	0	0	0	0	0	0
MEAN	0	14	21	2	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	781	1,265	133	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,099	MAX.,	34	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,179		

Cross Valley Canal - Turnout #1 to Kern River Channel
 (As reported by Kern County Water Agency) Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	193	0	0	0	0	0	0	0	0	0
18	0	0	278	0	0	0	0	0	0	0	0	0
19	0	0	186	0	0	0	0	0	0	0	0	0
20	0	0	97	0	0	0	0	0	0	0	0	0
21	0	0	85	0	0	0	0	0	0	0	0	0
22	0	0	74	0	0	0	0	0	0	0	0	0
23	0	0	28	0	0	0	0	0	0	0	0	0
24	0	0	89	0	0	0	0	0	0	0	0	0
25	0	0	127	0	0	0	0	0	0	0	0	0
26	0	0	123	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	1,280	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	278	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	41	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	2,539	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,280	MAX.,	278	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,539	0	0

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

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	19	0	0	0	0	0	0	0	0	0
18	0	0	33	0	0	0	0	0	0	0	0	0
19	0	0	18	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	70	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	33	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	2	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	139	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	70	MAX.,	33	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	139		

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	29	0	0	0	0	0	0	0	0	0
20	0	0	79	0	0	0	0	0	0	0	0	0
21	0	0	104	0	0	0	0	0	0	0	0	0
22	0	0	104	0	0	0	0	0	0	0	0	0
23	0	0	97	0	0	0	0	0	0	0	0	0
24	0	0	102	0	0	0	0	0	0	0	0	0
25	0	0	98	0	0	0	0	0	0	0	0	0
26	0	0	97	0	0	0	0	0	0	0	0	0
27	0	0	8	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	718	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	104	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	23	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	1,424	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	718	MAX.,	104	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,424	0	0

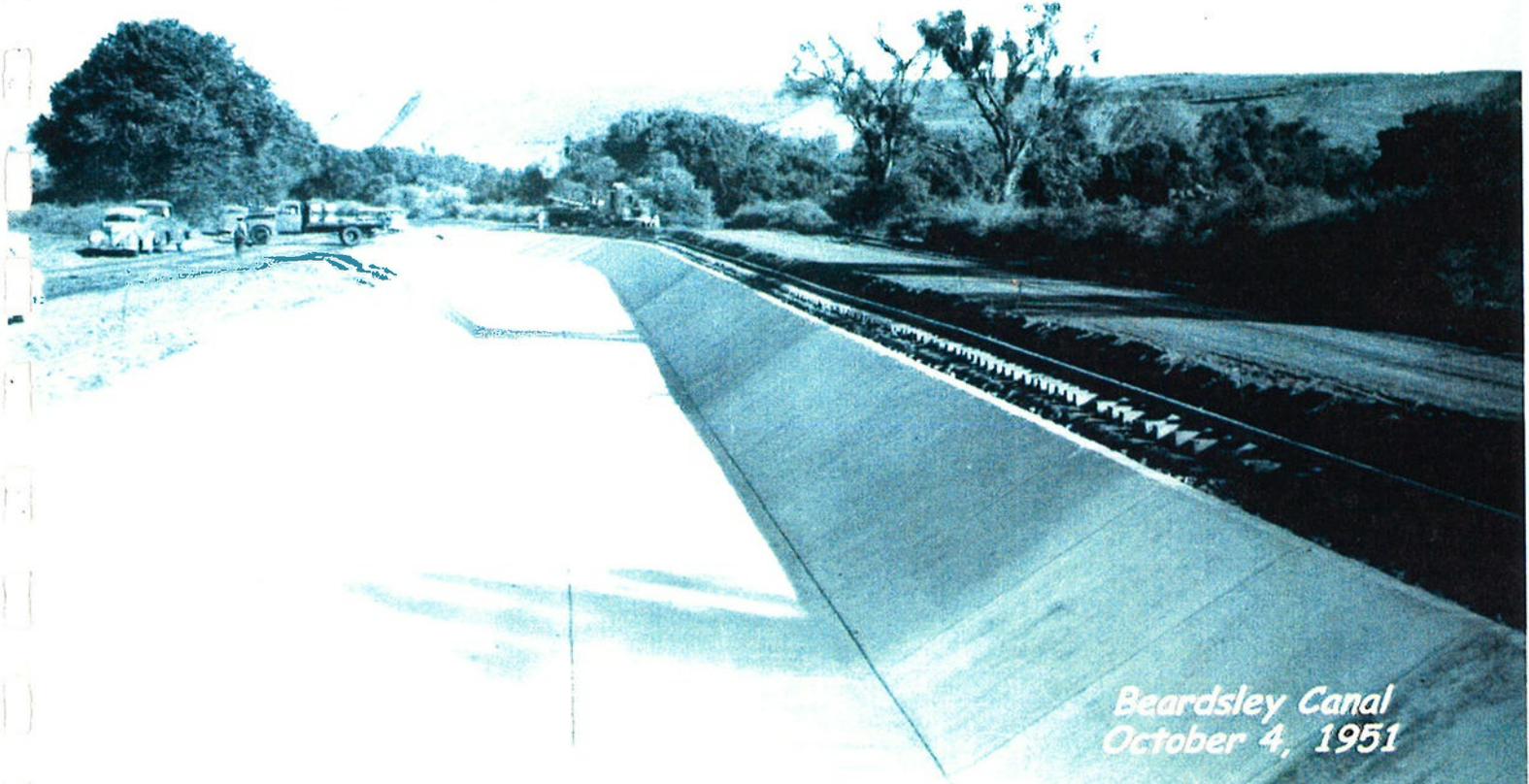
**Cross Valley Canal - Turnout #4 to Kern River Channel
(As reported by Kern County Water Agency)**

Year: 2001

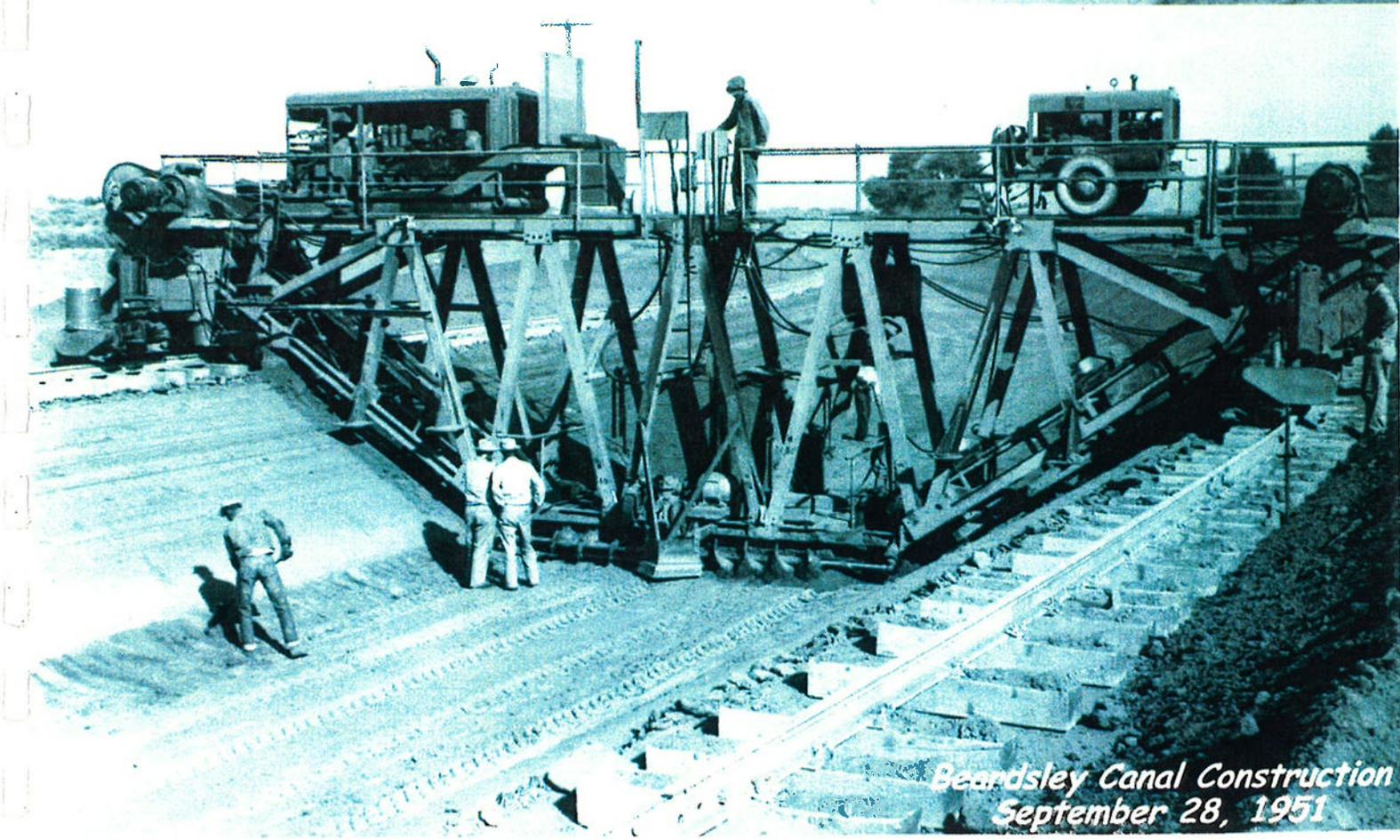
DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	52	0	0	0	0	0	0	0	0	0
20	0	0	105	0	0	0	0	0	0	0	0	0
21	0	0	105	0	0	0	0	0	0	0	0	0
22	0	0	105	0	0	0	0	0	0	0	0	0
23	0	0	127	0	0	0	0	0	0	0	0	0
24	0	0	163	0	0	0	0	0	0	0	0	0
25	0	0	174	0	0	0	0	0	0	0	0	0
26	0	0	173	0	0	0	0	0	0	0	0	0
27	0	0	15	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	1,019	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	174	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	33	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	2,021	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,019	MAX.,	174	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,021	0	0

NORTH KERN WATER STORAGE DISTRICT



*Beardsley Canal
October 4, 1951*



*Beardsley Canal Construction
September 28, 1951*

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	266	268	529	4,630	30,076	2,153	200	0	0	0	397	3,138	41,657
Release	7,281	7,782	3,401	2,755	538	0	0	0	0	640	6,607	6,483	35,487
ENTITLEMENT + OR - RELEASE	7,547	8,050	3,930	7,385	30,614	2,153	200	0	0	640	7,004	9,621	77,144
From KFC & Irr. Company	0	0	4	156	1,058	61	0	0	0	0	0	73	1,352
From City of Bakersfield	282	601	2,314	2,235	0	5,000	10,000	5,000	0	0	0	0	25,432
From Isabella Reservoir Storage	240	871	8	391	0	9,614	11,800	8,422	9,521	7,110	529	460	48,966
From Cawelo WD	0	0	488	0	0	0	0	0	0	0	0	0	488
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
From Improvement District No. 4	0	0	0	0	0	375	2,339	0	0	0	0	0	2,714
To La Hacienda, Inc.	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	4,580	0	211	0	0	0	0	0	0	0	0	0	4,791
To Improvement District #4	0	4,348	73	0	0	0	0	0	0	0	3,247	4,733	12,401
To Cawelo WD	0	56	0	0	0	375	4,625	226	1,139	1,131	4	0	7,556
Into Isabella Reservoir Storage	880	960	2,162	4,008	23,318	4,949	9,743	4,778	0	113	1,156	3,715	55,782
Other	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL DIVERTED FROM RIVER	2,609	4,158	4,298	6,159	8,354	11,879	9,971	8,418	8,382	6,506	3,126	1,710	75,570
Loss to Seventh Standard Line	74	130	99	60	61	60	61	62	60	61	126	140	994
Oilfield Discharge	123	223	379	218	242	214	185	165	197	198	177	177	2,498
NKWSD Deep Well Production	0	185	1,579	6,677	11,629	12,915	13,822	9,386	2,140	2,249	0	0	60,582
Poso Creek Natural Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow to Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Inflow to Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern RKC Canal & Irrigating Company	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch Improvement District	0	0	0	0	0	0	0	0	0	0	0	0	0
Semitropic WSD via Poso Creek	0	0	0	0	0	196	246	151	0	0	0	0	593
CVC Conduit "A" Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SUPPLY	2,658	4,436	6,157	12,994	20,164	24,752	23,671	17,756	10,659	8,892	3,177	1,747	137,063
Class 1 Irrigation Deliveries	780	1,410	3,158	7,339	13,309	17,298	16,727	11,582	6,032	5,505	696	510	84,346
Class 2 Irrigation Deliveries	505	244	315	3,626	3,663	4,184	4,150	2,560	1,587	1,092	95	143	22,164
Semitropic WSD Irrigation Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Shafter-Wasco ID Irrigation Deliveries	0	0	0	0	0	0	0	300	520	253	0	0	1,073
TOTAL IRRIGATION USE	1,285	1,654	3,473	10,965	16,972	21,482	20,877	14,442	8,139	6,850	791	653	107,583
District Spreading Ponds (Kern)	0	0	0	0	0	0	0	0	0	0	0	0	0
District Spreading Ponds (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Kern)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	0												
TOTAL DISTRICT USE	1,285	1,654	3,473	10,965	16,972	21,482	20,877	14,442	8,139	6,850	791	653	107,583
Total NKWSD Canal Loss	1,373	2,782	2,684	2,029	3,192	3,270	2,794	3,314	2,520	2,042	2,386	1,094	29,480
Into Reservoir Storage	880	960	2,162	4,008	23,318	4,949	9,743	4,778	0	113	1,156	3,715	55,782
Reservoir Evaporation Loss	321	228	656	724	1,634	2,238	2,384	2,698	1,926	1,178	474	226	14,687
From Reservoir Storage	240	871	8	391	0	9,614	11,800	8,422	9,521	7,110	529	460	48,966
END OF MONTH RESERVOIR STORAGE	38,041	37,902	39,400	42,293	63,977	57,074	52,633	46,291	34,844	26,669	26,822	29,851	

Year: 2001

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	78	51	207	128	437	246	304	229	181	132	43
2	0	65	51	222	148	457	279	317	212	208	153	30
3	0	77	53	217	129	458	343	315	238	152	148	29
4	0	113	101	165	171	437	370	254	231	172	143	32
5	0	63	44	174	180	403	382	228	231	186	114	35
6	0	118	50	171	208	352	446	257	219	162	85	50
7	0	148	49	198	211	328	419	262	214	144	83	46
8	0	124	36	144	228	283	336	275	170	142	82	38
9	0	61	40	152	291	250	388	295	159	110	85	36
10	0	70	71	168	286	251	386	265	201	118	87	36
11	0	77	77	170	280	279	369	252	192	117	82	34
12	0	122	69	186	286	380	370	253	158	152	89	33
13	0	242	76	186	300	379	370	254	181	126	70	26
14	0	196	84	204	281	361	364	276	189	175	78	25
15	0	37	79	149	279	354	356	311	170	252	69	8
16	0	45	103	135	240	314	360	305	190	263	52	0
17	0	50	143	150	247	342	358	291	226	269	49	0
18	0	91	163	163	256	413	359	284	229	280	51	10
19	3	61	141	146	226	479	361	252	168	248	53	56
20	72	42	155	144	205	507	343	241	118	157	50	66
21	123	43	207	192	219	478	298	343	91	140	39	26
22	102	44	198	174	250	398	282	452	151	124	28	24
23	77	43	136	129	319	288	335	395	179	112	31	24
24	104	50	125	165	310	232	342	382	195	120	29	19
25	122	50	144	135	291	273	340	307	187	104	28	21
26	130	48	175	134	277	339	337	288	191	98	34	41
27	139	50	160	125	299	343	310	339	204	90	48	66
28	164	50	140	103	320	343	246	290	189	89	45	66
29	124	-	127	132	344	339	225	229	116	89	44	66
30	96	-	160	119	390	308	279	229	138	101	47	58
31	91	-	169	-	436	-	265	255	-	108	-	14
TOTAL	1,347	2,258	3,377	4,859	8,035	10,805	10,464	9,000	5,566	4,789	2,128	1,058
MAXIMUM DAY	164	242	207	222	436	507	446	452	238	280	153	66
MINIMUM DAY	0	37	36	103	128	232	225	228	91	89	28	0
MEAN	43	81	109	162	259	360	338	290	186	154	71	34
TOTAL AC. FT.	2,672	4,479	6,698	9,638	15,937	21,431	20,755	17,851	11,040	9,499	4,221	2,099
WHOLE YEAR:-	TOTAL,	63,686	MAX.,	507	MIN.,	0	MEAN,	174	TOTAL AC.FT.,	126,320		

DISCHARGE IN CUBIC FEET PER SECOND Oilfield Discharge Diverted via Beardsley Canal (Total Flow) Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	6	12	10	0	5	5	3	5	4	4	5
2	0	5	7	7	4	8	4	4	5	4	4	5
3	0	8	9	7	4	8	4	4	5	4	5	5
4	0	8	9	6	4	6	4	4	4	5	5	4
5	0	8	8	6	4	4	4	4	4	4	4	4
6	0	6	7	7	5	5	4	4	4	5	3	4
7	0	5	5	8	5	5	4	4	5	5	4	4
8	0	6	5	8	4	7	4	3	6	4	4	4
9	0	1	7	6	4	7	4	3	5	5	4	6
10	0	0	9	5	4	6	4	3	4	4	4	6
11	0	3	8	4	4	6	4	3	5	5	2	3
12	0	4	7	4	4	7	4	4	5	5	4	4
13	0	5	5	4	6	6	4	4	4	6	4	1
14	0	4	7	5	5	4	4	4	4	6	2	6
15	0	5	8	5	4	5	5	3	4	6	4	3
16	0	5	9	4	8	7	6	4	4	6	3	0
17	0	5	10	4	8	6	4	3	4	5	3	0
18	0	6	8	4	9	4	4	4	4	5	5	0
19	0	6	9	4	10	6	4	4	4	4	4	4
20	6	5	7	4	10	5	4	4	6	7	4	2
21	5	6	9	4	8	4	4	4	5	4	4	4
22	6	5	7	5	9	4	4	4	6	5	3	7
23	5	5	10	5	6	4	4	4	7	4	3	5
24	5	5	11	4	6	4	4	4	6	4	4	4
25	5	5	11	3	5	4	4	4	5	4	4	3
26	6	5	10	4	7	4	4	4	4	4	4	2
27	6	5	10	4	5	4	4	4	4	5	3	3
28	6	5	10	7	13	4	3	3	5	6	3	4
29	6	-	10	7	5	4	4	3	7	4	3	4
30	5	-	11	4	7	4	4	3	6	5	4	3
31	5	-	9	-	5	-	4	4	-	4	-	2
TOTAL	66	142	264	159	182	157	127	114	146	148	111	112
MAXIMUM DAY	6	8	12	10	13	8	6	4	7	7	5	7
MINIMUM DAY	0	0	5	3	0	4	3	3	4	4	2	0
MEAN	2	5	9	5	6	5	4	4	5	5	4	4
TOTAL AC. FT.	131	281	524	315	361	311	252	226	290	294	221	223
WHOLE YEAR:-	TOTAL,	1,728	MAX.,	13	MIN.,	0	MEAN,	5	TOTAL AC.FT.,	3,429		

Total Diverted via
Cross Valley Canal Conduit "A"

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	75	0	90	0	0	0
2	0	0	0	0	0	0	76	0	90	0	0	0
3	0	0	0	0	0	0	73	0	90	0	0	0
4	0	0	0	0	0	0	73	0	89	0	0	0
5	0	0	0	0	0	0	46	0	89	0	0	0
6	0	0	0	0	0	0	32	0	89	0	0	0
7	0	0	0	0	0	0	33	0	89	0	0	0
8	0	0	0	0	0	0	33	0	89	0	0	0
9	0	0	0	0	0	0	11	0	89	0	0	0
10	0	0	0	0	0	0	0	0	89	0	0	0
11	0	0	0	0	0	0	0	0	75	0	0	0
12	0	0	0	0	0	0	0	0	67	0	0	0
13	0	0	0	0	0	0	0	0	64	0	0	0
14	0	0	0	0	0	0	0	0	39	0	0	0
15	0	0	0	0	0	0	0	0	10	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	48	0	0	0	0	0	0
23	0	0	0	0	0	72	0	0	0	0	0	0
24	0	0	0	0	0	72	0	0	0	0	0	0
25	0	0	0	0	0	73	0	0	0	0	0	0
26	0	0	0	0	0	73	0	0	0	0	0	0
27	0	0	0	0	0	73	0	0	0	0	0	0
28	0	0	0	0	0	73	0	0	0	0	0	0
29	0	0	0	0	0	73	0	49	0	0	0	0
30	0	0	0	0	0	73	0	90	0	0	0	0
31	0	0	0	0	0	0	0	90	0	0	0	0
TOTAL	0	0	0	0	0	630	452	229	1,148	0	0	0
MAXIMUM DAY	0	0	0	0	0	73	76	90	90	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	21	15	7	38	0	0	0
TOTAL AC. FT.	0	0	0	0	0	1,250	896	454	2,277	0	0	0
WHOLE YEAR:-	TOTAL,	2,459	MAX.,	90	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	4,877		

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

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	+ 2,672	4,479	6,698	9,638	15,937	21,431	20,755	17,651	11,040	9,499	4,221	2,099	126,320
Oilfield Discharge	+ 131	281	524	315	361	311	252	226	290	294	221	223	3,429
C.V.C. Conduit "A"	+ 0	0	0	0	0	1,250	896	454	2,277	0	0	0	4,877
+ TOTAL BEARDSLEY CANAL SUPPLY	= 2,803	4,760	7,222	9,953	16,298	22,992	21,903	18,531	13,607	9,793	4,442	2,322	134,626
KRC & Irr. Co. # 1 Lateral (Total Flow)	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. # 4 Lateral	+ 0	78	168	296	516	490	381	399	250	173	45	0	2,796
KRC & Irr. Co. # 5 Lateral	+ 0	0	37	521	651	700	656	628	587	470	36	0	4,286
KRC & Irr. Co. Bidart Boosters	+ 0	11	114	212	268	283	245	206	152	123	0	42	1,656
KRC & Irr. Co. via 1-0-20	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. via 1-0-80	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+ 0	10	34	60	61	60	61	60	60	61	14	10	491
- TOTAL KRC & IRR. CO. DIVERTED	= 0	99	353	1,089	1,496	1,533	1,343	1,293	1,049	827	95	52	9,229
Kern River Supply	- 0	87	254	992	1,377	1,436	1,276	1,234	956	731	79	38	8,460
Oilfield Discharge Supply	- 0	12	99	97	119	97	67	59	93	96	16	14	769
C.V.C. Conduit "A" Supply	= 0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD via Pump Station "B"	+ 67	141	1,876	2,114	5,778	8,824	9,752	8,291	3,820	2,136	748	337	43,884
Cawelo WD Lerdo Gate Deliveries	+ 0	109	244	287	303	381	480	212	58	40	246	18	2,378
Lined Section Loss	+ 4	28	50	60	61	60	61	61	60	61	40	24	570
Lerdo Canal Loss	+ 0	2	22	26	64	101	111	91	41	25	10	4	497
- TOTAL CAWELO WD DIVERTED	= 71	280	2,192	2,487	6,206	9,366	10,404	8,655	3,979	2,262	1,044	383	47,329
Kern River Supply	- 63	234	2,146	2,487	6,206	8,116	9,508	8,199	1,702	2,262	1,016	351	42,290
Oilfield Discharge Supply	- 8	46	46	0	0	0	0	2	0	0	28	32	162
C.V.C. Conduit "A" Supply	= 0	0	0	0	0	1,250	896	454	2,277	0	0	0	4,877
Rosedale Ranch ID Diverted	+ 0	0	0	0	0	196	246	151	0	0	0	0	593
Kern River Supply	- 0	0	0	0	0	196	246	151	0	0	0	0	593
C.V.C. Conduit "A" Supply	= 0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Diverted	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD/Rag Gulch WD Diverted	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: NKWSD	+ 74	130	99	60	61	60	61	62	60	61	126	140	994
= NKWSD FROM LERDO CANAL	+ 2,658	4,251	4,578	6,317	8,535	11,837	9,849	8,370	8,519	6,643	3,177	1,747	76,481
Kern River Supply	- 2,609	4,158	4,298	6,159	8,354	11,683	9,725	8,267	8,382	6,506	3,126	1,710	74,977
Oilfield Discharge Supply	- 123	223	379	218	242	214	185	165	197	198	177	177	2,498
C.V.C. Conduit "A" Supply	= 0	0	0	0	0	0	0	0	0	0	0	0	0

Year: 2001

Lerdo Canal at Seventh Standard Line (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	81	60	192	110	413	291	279	306	174	118	45
2	0	67	55	196	122	432	320	293	289	200	149	32
3	0	82	59	189	103	422	370	289	309	140	144	31
4	0	118	107	138	138	409	408	232	299	164	145	33
5	0	68	49	149	149	376	399	208	291	179	110	36
6	0	113	54	152	175	332	457	234	286	156	81	51
7	0	138	51	187	175	305	440	233	273	140	80	47
8	0	117	38	133	197	254	355	249	236	139	81	40
9	0	49	44	133	263	221	380	271	226	109	86	39
10	0	62	77	150	267	221	363	242	268	106	88	39
11	0	77	82	149	258	249	345	228	251	100	81	34
12	0	123	73	165	274	347	344	231	214	131	90	34
13	0	244	78	168	290	347	338	228	232	103	71	24
14	0	197	88	193	271	338	339	253	213	153	77	28
15	0	39	83	150	260	337	338	288	167	231	70	8
16	0	47	107	114	228	304	342	280	178	256	52	0
17	0	52	148	130	224	330	340	266	207	262	49	0
18	0	94	166	145	238	399	344	257	209	273	53	7
19	0	64	132	127	208	465	347	226	147	231	54	53
20	75	44	146	132	198	492	330	218	97	152	51	63
21	125	46	199	181	198	463	290	321	80	132	40	20
22	105	46	186	166	232	434	276	430	140	115	28	23
23	79	45	130	117	303	345	314	376	172	103	31	23
24	106	52	130	154	305	294	325	377	183	110	30	20
25	124	52	150	118	279	322	324	306	182	97	29	21
26	133	50	170	124	269	388	320	289	180	90	35	40
27	142	52	156	113	288	391	296	328	198	84	48	66
28	167	52	137	101	305	395	236	280	185	85	45	67
29	127	-	120	132	314	381	218	268	114	72	44	67
30	98	-	153	111	356	353	270	308	139	83	48	58
31	93	-	159	-	404	-	245	340	-	88	-	13
TOTAL	1,374	2,271	3,387	4,409	7,401	10,759	10,304	8,628	6,271	4,458	2,108	1,062
MAXIMUM DAY	167	244	199	196	404	492	457	430	309	273	149	67
MINIMUM DAY	0	39	38	101	103	221	218	208	80	72	28	0
MEAN	44	81	109	147	239	359	332	278	209	144	70	34
TOTAL AC. FT.	2,725	4,503	6,720	8,744	14,680	21,339	20,438	17,115	12,438	8,844	4,181	2,106
WHOLE YEAR:-	TOTAL,	62,432	MAX.,	492	MIN.,	0	MEAN,	171	TOTAL AC.FT.,	123,833		

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

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	2,803	4,760	7,222	9,953	16,298	22,992	21,903	18,531	13,607	9,793	4,442	2,322	134,626
+ KRC & Irr. Co. Laterals	0	78	205	817	1,167	1,190	1,037	1,027	837	643	81	0	7,082
+ KRC & Irr. Co. Boosters	0	11	114	212	268	283	245	206	152	123	0	42	1,656
+ Lined Section Loss: KRC & Irr. Co.	0	10	34	60	61	60	61	60	60	61	14	10	491
= KRC & Irr. Co. from Beardsley	0	99	353	1,089	1,496	1,533	1,343	1,293	1,049	827	95	52	9,229
Rosedale Ranch ID via 1-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA-ID4 via 1-1-0 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD via 1-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: Cawelo WD	4	28	50	60	61	60	61	61	60	61	40	24	570
Lined Section Loss: NKWSD	74	130	99	60	61	60	61	62	60	61	126	140	994
Lerdo Canal Total Flow	2,725	4,503	6,720	8,744	14,680	21,339	20,438	17,115	12,438	8,844	4,181	2,106	123,833
KRC & Irr. Co. via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
City via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID via Lerdo	0	0	0	0	0	196	246	151	0	0	0	0	593
K-TWD/RGWD via 8-17-0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD Well Water Inflow	0	0	0	0	199	256	254	201	91	141	67	0	1,209
Cawelo WD Delivered at Sta. "B"	67	141	1,876	2,114	5,802	8,862	9,778	8,293	3,820	2,176	811	337	44,077
Cawelo WD 8-0 Deliveries	0	109	244	287	478	599	708	411	149	141	250	18	3,394
Lerdo Loss: to Station "B"	0	1	19	21	58	89	98	83	38	22	8	3	440
Lerdo Loss: 8-0 Deliveries	0	1	3	5	6	12	13	8	3	3	2	1	57
= Cawelo WD Total from Lerdo	67	252	2,142	2,427	6,344	9,562	10,597	8,795	4,010	2,342	1,071	359	47,968
North Kern WSD from Lerdo	2,658	4,251	4,578	6,317	8,535	11,837	9,849	8,370	8,519	6,643	3,177	1,747	76,481

Year: 2001

Total Flow via the Calloway Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	47	61	0	0	0	0	0	0
2	0	0	0	0	48	60	0	0	0	0	0	0
3	0	0	0	0	47	51	0	0	0	0	0	0
4	0	0	0	25	43	51	0	0	0	0	0	0
5	0	0	0	36	42	60	0	0	0	0	0	0
6	0	0	0	32	53	59	0	0	0	0	0	0
7	0	0	0	32	57	57	0	0	0	0	0	0
8	0	0	0	28	51	60	0	0	0	0	0	0
9	0	0	0	27	49	58	0	0	0	0	0	0
10	0	0	0	28	50	60	0	0	0	0	0	0
11	0	0	0	27	49	55	0	0	0	0	0	0
12	0	0	0	26	50	50	0	0	0	0	0	0
13	0	0	0	28	49	51	0	0	0	0	0	0
14	0	0	0	31	50	50	0	0	0	0	0	0
15	0	0	0	33	50	25	0	0	0	0	0	0
16	0	0	0	37	50	0	0	0	0	0	0	0
17	0	0	0	38	50	0	0	0	0	0	0	0
18	0	0	0	35	47	0	0	0	0	0	0	0
19	0	0	0	32	48	0	0	0	0	0	0	0
20	0	0	0	30	48	0	0	0	0	0	0	0
21	0	0	0	21	49	0	0	0	0	0	0	56
22	0	0	0	28	50	0	0	0	0	0	0	99
23	0	0	0	34	58	0	0	0	0	0	0	112
24	0	0	0	34	60	0	0	0	0	0	0	122
25	0	0	0	41	51	0	0	0	0	0	0	143
26	0	0	0	40	51	0	0	0	0	0	0	90
27	0	0	0	38	57	0	0	0	0	0	0	60
28	0	0	0	37	58	0	0	0	0	0	0	104
29	0	-	0	37	50	0	0	0	0	0	0	163
30	0	-	0	43	57	0	0	0	0	0	0	174
31	0	-	0	-	60	-	0	0	-	0	-	167
TOTAL	0	0	0	878	1,579	808	0	0	0	0	0	1,290
MAXIMUM DAY	0	0	0	43	60	61	0	0	0	0	0	174
MINIMUM DAY	0	0	0	0	42	0	0	0	0	0	0	0
MEAN	0	0	0	29	51	27	0	0	0	0	0	42
TOTAL AC. FT.	0	0	0	1,741	3,132	1,602	0	0	0	0	0	2,559
WHOLE YEAR:-	TOTAL,	4,555	MAX.,	174	MIN.,	0	MEAN,	12	TOTAL AC.FT.,	9,034		

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

Quantities in acre-feet

Year: 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS	+	0	0	1,741	3,132	1,602	0	0	0	0	0	2,559	9,034
KCWA Armco Turnout	-	0	0	1,584	2,978	1,523	0	0	0	0	0	0	6,085
Seepage Loss	-	0	0	143	154	79	0	0	0	0	0	101	477
FLOW AT MEASURING STATION	=	0	0	14	0	0	0	0	0	0	0	2,458	2,472
CVC Turnout to Calloway	+	0	38	0	0	0	0	0	0	0	0	0	38
Seepage Loss	-	0	22	14	0	0	0	0	0	0	0	274	310
FLOW AT BUCK OWENS WEIR	=	0	0	16	0	0	0	0	0	0	0	2,184	2,200
Friant-Kern Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. 1-1-0 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Calloway Delivery	-	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	16	0	0	0	0	0	0	0	2,166	2,182
FLOW AT CENTENNIAL WEIR	=	0	0	0	0	0	0	0	0	0	0	18	18
KRC & Irr. Co. Calloway Delivery	-	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID at Headworks	-	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	18	18
NKWSID 8-1-0 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT SEVENTH STANDARD LINE for Rosedale Ranch ID for North Kern WSD	=	0	0	0	0	0	0	0	0	0	0	0	0

KERN COUNTY WATER AGENCY / ID4:

Operating Loss	+	0	0	187	204	109	0	0	0	0	0	101	601
Turnout #4 to River	+	0	0	0	0	0	0	0	0	0	0	0	0
ID4 Treatment Plant	+	0	0	1,479	2,922	1,493	0	0	0	0	0	0	5,894
Cross Valley Canal Filling Losses	+	0	0	61	6	0	0	0	0	0	0	0	67
CVC Backflow (Net)	+	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Below Measuring Station	+	0	0	38	14	0	0	0	0	0	0	2,458	2,510
TOTAL DIVERTED	=	0	0	1,741	3,132	1,602	0	0	0	0	0	2,559	9,072

KERN RIVER CANAL & IRRIGATING CO.:

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

ROSEDALE RANCH ID:

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

NORTH KERN WATER STORAGE DISTRICT:

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

North Kern Water Storage District
Class 1 Irrigation Deliveries
Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1	31	10	53	140	305	200	213	99	72	31	5
2	7	59	20	174	88	262	298	272	61	94	24	0
3	8	45	17	152	163	157	302	262	98	127	15	0
4	12	20	8	152	196	244	323	199	100	125	10	2
5	2	45	10	172	176	271	345	157	74	123	11	0
6	7	34	2	172	110	277	309	196	83	122	11	1
7	2	32	13	129	201	271	272	214	101	23	13	2
8	13	50	13	58	187	243	182	234	92	76	14	0
9	6	72	23	116	227	230	299	228	34	74	14	0
10	6	72	22	140	247	136	298	238	111	74	15	9
11	0	24	19	167	266	251	303	190	109	71	11	15
12	0	19	24	149	225	244	354	122	120	106	19	10
13	6	5	25	127	125	277	310	220	139	77	17	10
14	0	11	36	92	260	316	296	235	79	50	29	8
15	3	13	36	26	213	333	185	277	71	187	19	6
16	5	14	42	125	204	305	305	259	19	216	10	0
17	0	23	44	132	214	253	283	203	97	194	7	3
18	0	5	36	125	218	319	307	165	116	183	6	9
19	5	1	114	158	170	349	265	112	133	130	20	20
20	0	1	128	156	147	344	288	155	119	114	14	19
21	0	13	119	116	270	359	220	174	109	35	4	21
22	26	17	92	57	268	365	153	176	121	79	0	21
23	18	15	80	134	285	324	258	192	67	63	6	19
24	15	10	75	125	263	261	267	158	160	64	0	6
25	15	10	40	136	251	303	288	142	163	57	6	6
26	26	15	52	87	232	323	259	70	161	54	18	21
27	11	27	62	140	201	348	301	141	128	45	7	24
28	8	28	100	116	275	364	305	186	150	22	0	11
29	60	-	111	46	290	347	200	175	104	36	0	4
30	64	-	127	168	293	340	236	137	23	57	0	3
31	67	-	92	-	305	-	222	137	-	25	-	2
TOTAL	393	711	1,592	3,700	6,710	8,721	8,433	5,839	3,041	2,775	351	257
MAXIMUM DAY	67	72	128	174	305	365	354	277	163	216	31	24
MINIMUM DAY	0	1	2	26	88	136	153	70	19	22	0	0
MEAN	13	25	51	123	216	291	272	188	101	90	12	8
TOTAL AC. FT.	780	1,410	3,158	7,339	13,309	17,298	16,727	11,582	6,032	5,505	696	510
WHOLE YEAR:-	TOTAL,	42,523	MAX.,	365	MIN.,	0	MEAN,	117	TOTAL AC.FT.,	84,346		

North Kern Water Storage District
Class 2 Irrigation Deliveries

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4	32	4	20	63	105	61	69	37	37	5	0
2	2	19	0	80	57	69	81	84	24	35	9	0
3	2	6	0	60	63	35	78	64	34	31	1	0
4	1	0	0	75	70	74	81	52	40	27	3	0
5	1	13	0	62	47	63	86	31	41	26	2	0
6	0	13	0	41	39	77	81	61	38	14	2	0
7	1	17	0	35	69	73	70	44	30	2	2	0
8	0	6	0	33	70	83	74	41	27	20	2	0
9	0	3	0	94	81	67	71	40	23	12	2	0
10	0	6	0	101	74	32	67	34	31	25	2	0
11	0	0	0	122	87	53	68	34	13	26	2	0
12	0	0	1	118	82	66	65	15	8	26	5	0
13	0	0	1	87	22	69	73	30	19	23	5	0
14	0	0	8	40	70	68	70	24	17	19	6	3
15	0	0	7	29	68	65	65	39	22	22	0	3
16	0	0	1	107	63	60	69	45	13	26	0	0
17	0	0	2	111	62	54	54	43	17	30	0	5
18	0	0	2	103	63	72	53	48	26	30	0	9
19	0	0	2	89	56	70	67	12	29	25	0	7
20	0	0	9	33	35	71	66	54	47	8	0	4
21	0	0	18	27	49	68	72	60	39	3	0	0
22	12	0	10	9	52	75	60	39	14	5	0	6
23	15	2	7	27	50	71	67	47	9	9	0	6
24	33	1	4	36	52	56	67	28	21	6	0	4
25	29	2	0	54	38	78	78	25	19	13	0	6
26	23	0	12	89	44	83	69	20	27	6	0	6
27	12	1	18	39	40	84	42	32	51	8	0	6
28	18	2	18	31	65	93	66	48	47	5	0	7
29	29	-	17	5	70	89	51	41	19	7	0	0
30	34	-	10	71	69	85	52	39	18	12	0	0
31	39	-	8	-	77	-	68	48	-	13	-	0
TOTAL	255	123	159	1,828	1,847	2,110	2,092	1,291	800	551	48	72
MAXIMUM DAY	39	32	18	122	87	105	86	84	51	37	9	9
MINIMUM DAY	0	0	0	5	22	32	42	12	8	2	0	0
MEAN	8	4	5	61	60	70	67	42	27	18	2	2
TOTAL AC. FT.	505	244	315	3,626	3,663	4,184	4,150	2,560	1,587	1,092	95	143
WHOLE YEAR:-	TOTAL,	11,176	MAX.,	122	MIN.,	0	MEAN,	31	TOTAL AC.FT.,	22,164		

North Kern Water Storage District
Shafter-Wasco ID Exchange Deliveries

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	7	16	0	0
2	0	0	0	0	0	0	0	0	7	16	0	0
3	0	0	0	0	0	0	0	0	6	15	0	0
4	0	0	0	0	0	0	0	0	6	16	0	0
5	0	0	0	0	0	0	0	0	6	16	0	0
6	0	0	0	0	0	0	0	0	8	17	0	0
7	0	0	0	0	0	0	0	0	7	15	0	0
8	0	0	0	0	0	0	0	0	7	17	0	0
9	0	0	0	0	0	0	0	5	7	0	0	0
10	0	0	0	0	0	0	0	6	7	0	0	0
11	0	0	0	0	0	0	0	7	10	0	0	0
12	0	0	0	0	0	0	0	3	4	0	0	0
13	0	0	0	0	0	0	0	12	7	0	0	0
14	0	0	0	0	0	0	0	6	3	0	0	0
15	0	0	0	0	0	0	0	6	12	0	0	0
16	0	0	0	0	0	0	0	6	8	0	0	0
17	0	0	0	0	0	0	0	7	7	0	0	0
18	0	0	0	0	0	0	0	7	7	0	0	0
19	0	0	0	0	0	0	0	6	7	0	0	0
20	0	0	0	0	0	0	0	7	7	0	0	0
21	0	0	0	0	0	0	0	7	7	0	0	0
22	0	0	0	0	0	0	0	5	8	0	0	0
23	0	0	0	0	0	0	0	7	7	0	0	0
24	0	0	0	0	0	0	0	8	7	0	0	0
25	0	0	0	0	0	0	0	6	17	0	0	0
26	0	0	0	0	0	0	0	5	17	0	0	0
27	0	0	0	0	0	0	0	5	15	0	0	0
28	0	0	0	0	0	0	0	8	15	0	0	0
29	0	-	0	0	0	0	0	8	16	0	0	0
30	0	-	0	0	0	0	0	7	13	0	0	0
31	0	-	0	-	0	-	0	7	-	0	-	0
TOTAL	0	0	0	0	0	0	0	151	262	128	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	12	17	17	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	3	0	0	0
MEAN	0	0	0	0	0	0	0	5	9	4	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	300	520	253	0	0
WHOLE YEAR:-	TOTAL,	541	TOTAL,	17	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	1,073		

Year: 2001

Total Diverted to Rosedale Ranch Improvement District

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	4	4	0	0	0	0
2	0	0	0	0	0	0	4	4	0	0	0	0
3	0	0	0	0	0	0	4	4	0	0	0	0
4	0	0	0	0	0	0	4	4	0	0	0	0
5	0	0	0	0	0	0	4	4	0	0	0	0
6	0	0	0	0	0	4	4	4	0	0	0	0
7	0	0	0	0	0	4	4	4	0	0	0	0
8	0	0	0	0	0	4	4	4	0	0	0	0
9	0	0	0	0	0	4	4	4	0	0	0	0
10	0	0	0	0	0	4	4	4	0	0	0	0
11	0	0	0	0	0	4	4	4	0	0	0	0
12	0	0	0	0	0	4	4	4	0	0	0	0
13	0	0	0	0	0	4	4	4	0	0	0	0
14	0	0	0	0	0	4	4	4	0	0	0	0
15	0	0	0	0	0	4	4	4	0	0	0	0
16	0	0	0	0	0	4	4	4	0	0	0	0
17	0	0	0	0	0	4	4	4	0	0	0	0
18	0	0	0	0	0	4	4	4	0	0	0	0
19	0	0	0	0	0	4	4	4	0	0	0	0
20	0	0	0	0	0	4	4	4	0	0	0	0
21	0	0	0	0	0	4	4	0	0	0	0	0
22	0	0	0	0	0	4	4	0	0	0	0	0
23	0	0	0	0	0	4	4	0	0	0	0	0
24	0	0	0	0	0	4	4	0	0	0	0	0
25	0	0	0	0	0	4	4	0	0	0	0	0
26	0	0	0	0	0	4	4	0	0	0	0	0
27	0	0	0	0	0	4	4	0	0	0	0	0
28	0	0	0	0	0	4	4	0	0	0	0	0
29	0	-	0	0	0	4	4	0	0	0	0	0
30	0	-	0	0	0	3	4	0	0	0	0	0
31	0	-	0	-	0	-	4	0	-	0	-	0
TOTAL	0	0	0	0	0	99	124	76	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	4	4	4	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	4	0	0	0	0	0
MEAN	0	0	0	0	0	3	4	2	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	196	246	151	0	0	0	0
WHOLE YEAR:-	TOTAL,	299	MAX.,	4	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	593		

Year: 2001

Poso Creek as Measured at Highway "99" (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

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

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

Year: 2001

Quantities in acre-feet

	KERN DELTA		CAWELLO		LA HACIENDA, INC.		IMPROVEMENT DISTRICT NO.4		KERN-TULARE		RAG GULCH		ROSEDALE RANCH ID		PARAMOUNT FARMING CO.		SEMITROPIC		SHAFTER-WASCO		SOUTHERN SAN JOAQUIN MUD		
	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	
Prior Year Status	0	0	0	4,986	0	5,824	0	57,740	0	0	0	0	0	8,084	0	28,539	0	323	0	31,270	0	10,868	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	56	0	0	0	4,348	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	488	0	0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	375	0	0	0	0	375	0	0	0	0	3,939	0	196	3,939	0	0	0	0	0	0	0
July	0	0	4,625	0	0	0	0	2,339	0	0	0	0	0	0	246	0	0	0	0	0	0	0	0
August	0	0	226	0	0	0	0	0	0	0	0	0	0	0	151	0	0	0	300	0	0	0	0
September	0	0	1,139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	1,131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	4	0	0	0	3,247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	4,733	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	7,556	488	0	0	12,401	2,714	0	0	0	0	3,939	0	593	3,939	0	0	1,073	0	0	0	0

Current Status	0	0	2,082	0	0	5,824	0	48,053	0	0	0	0	4,145	0	31,885	0	323	0	30,197	0	10,868
----------------	---	---	-------	---	---	-------	---	--------	---	---	---	---	-------	---	--------	---	-----	---	--------	---	--------

Note: Rosedale Ranch ID (to) and Paramount Farming Co. (from) transactions for June 2001 reflect reconciliation of 1999-00 water exchange deliveries as per terms of North Kern WSD letter dated 6-11-01.

NORTH KERN WATER STORAGE DISTRICT

IMPROVEMENT DISTRICT NO. 4 WATER EXCHANGE SUMMARY

Status as of 12-31-2001

Quantities in acre-feet

Pursuant to North Kern WSD/Improvement District #4 Accounting Agreement Dated March 1, 1995								
CATEGORY "A"				CATEGORY "B"				Overall Exchange Balance
Date	NKWS to ID4	ID4 to NKWS	Cumulative Exchange Balance	Date	NKWS to ID4	ID4 to NKWS	Cumulative Exchange Balance	
1988	12,163	7,796	4,367	1988	0	0	0	4,367
1989	0	0	4,367	1989	0	0	0	4,367
1990	0	1,630	2,737	1990	0	0	0	2,737
1991	0	261	2,476	1991	395	0	395	2,871
1992	0	0	2,476	1992	0	0	395	2,871
1993	12,557	9,434	5,599	1993	0	0	395	5,994
1994	0	0	5,599	1994	0	0	395	5,994
1995	0	8,635	(3,036)	1995	0	0	395	(2,641)
1996	0	0	(3,036)	1996	0	0	395	(2,641)
1997	3,882	0	846	1997	0	0	395	1,241
1998	4,323	0	5,169	1998	0	0	395	5,564
1999	3,748	64,000	(55,083)	1999	0	0	395	(54,688)
2000	4,629	10,000	(60,454)	2000	14,240	11,921	2,714	(57,740)
2001	12,401	0	(48,053)	2001	0	2,714	0	(48,053)
Totals	53,703	101,756		Totals	14,635	14,635		

CATEGORY "A"

Priority

ID4 Priority 3 with figure of ten (10) years used in balance for use in ID4 "Priority equation D".

Point of Delivery

At any location along Cross Valley Canal provided North Kern WSD pays all incremental transportation costs and losses in the Cross Valley Canal. Incremental cost and losses shall not include fixed costs, overhead, and losses that would have occurred whether or not North Kern's water was being transported.

CATEGORY "B"

Priority

ID4 Priority 2.

Point of Delivery

Beardsley Canal.

Excerpt From Priorities and Principles Governing Utilization of ID4 State Project Entitlement For Exchange Paybacks

Priority 2.

Exchanges with stipulated repayment schedules, repayment upon demand and residual amounts from firm regulated sources.

Priority 3.

Mutually agreeable schedules within specified time periods, however as limited by Priority Equation D below.

Priority Equation D.

Paybacks within Priority 3 shall be allocated in proportion to time remaining and amount owed. Each exchanger shall be considered equally with others in Priority 3 up to an amount computed by dividing the total amount owed by the number of years remaining in the term. If ID4 is unable to repay amounts owed in the last year of a Priority 3 payback said amounts will be carried over to the following calendar year and thereafter on a year-to-year basis. However, if amounts owed in Priority 3 are available for payback in the last year of a mutually agreeable repayment term and the exchanger declines payback the amounts owed will be extinguished on December 31st of the last year.

North Kern Water Storage District Diverted to Improvement District No. 4
 (Does not include deliveries into Isabella Reservoir storage)

Year: 2001

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	15
2	0	0	0	0	0	0	0	0	0	0	0	46
3	0	0	0	0	0	0	0	0	0	0	0	93
4	0	0	0	0	0	0	0	0	0	0	0	112
5	0	0	0	0	0	0	0	0	0	0	4	102
6	0	0	37	0	0	0	0	0	0	0	10	100
7	0	0	0	0	0	0	0	0	0	0	0	25
8	0	0	0	0	0	0	0	0	0	0	4	13
9	0	0	0	0	0	0	0	0	0	0	7	24
10	0	0	0	0	0	0	0	0	0	0	11	30
11	0	0	0	0	0	0	0	0	0	0	20	44
12	0	0	0	0	0	0	0	0	0	0	46	11
13	0	0	0	0	0	0	0	0	0	0	41	8
14	0	44	0	0	0	0	0	0	0	0	49	10
15	0	175	0	0	0	0	0	0	0	0	65	0
16	0	179	0	0	0	0	0	0	0	0	87	10
17	0	191	0	0	0	0	0	0	0	0	101	13
18	0	179	0	0	0	0	0	0	0	0	100	17
19	0	202	0	0	0	0	0	0	0	0	90	3
20	0	170	0	0	0	0	0	0	0	0	70	25
21	0	166	0	0	0	0	0	0	0	0	112	107
22	0	150	0	0	0	0	0	0	0	0	107	117
23	0	145	0	0	0	0	0	0	0	0	46	147
24	0	131	0	0	0	0	0	0	0	0	91	153
25	0	159	0	0	0	0	0	0	0	0	174	152
26	0	88	0	0	0	0	0	0	0	0	164	90
27	0	94	0	0	0	0	0	0	0	0	110	60
28	0	119	0	0	0	0	0	0	0	0	66	124
29	0	-	0	0	0	0	0	0	0	0	45	163
30	0	-	0	0	0	0	0	0	0	0	17	235
31	0	-	0	-	0	-	0	0	-	0	-	337
TOTAL	0	2,192	37	0	0	0	0	0	0	0	1,637	2,386
MAXIMUM DAY	0	202	37	0	0	0	0	0	0	0	174	337
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	78	1	0	0	0	0	0	0	0	55	77
TOTAL AC. FT.	0	4,348	73	0	0	0	0	0	0	0	3,247	4,733
WHOLE YEAR:-	TOTAL,	6,252	MAX.,	337	MIN.,	0	MEAN,	17	TOTAL AC.FT.,	12,401		

DISCHARGE IN CUBIC FEET PER SECOND Improvement District No. 4 Diverted to North Kern Water Storage District Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	84	0	0	0	0	0
2	0	0	0	0	0	0	90	0	0	0	0	0
3	0	0	0	0	0	0	94	0	0	0	0	0
4	0	0	0	0	0	0	121	0	0	0	0	0
5	0	0	0	0	0	0	147	0	0	0	0	0
6	0	0	0	0	0	0	176	0	0	0	0	0
7	0	0	0	0	0	0	204	0	0	0	0	0
8	0	0	0	0	0	0	159	0	0	0	0	0
9	0	0	0	0	0	0	104	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	98	0	0	0	0	0	0
30	0	-	0	0	0	91	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	189	1,179	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	98	204	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	6	38	0	0	0	0	0
NET AC. FT.	0	0	0	0	0	375	2,339	0	0	0	0	0
AC. FT. LOSS	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	375	2,339	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,368	MAX.,	204	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,714		

Year: 2001

North Kern WSD Diverted to Cawelo Water District

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	84	0	21	12	2	0
2	0	0	0	0	0	0	90	0	23	32	0	0
3	0	0	0	0	0	0	94	0	25	34	0	0
4	0	0	0	0	0	0	121	0	24	33	0	0
5	0	0	0	0	0	0	147	0	30	23	0	0
6	0	0	0	0	0	0	176	0	27	21	0	0
7	0	0	0	0	0	0	204	0	26	21	0	0
8	0	0	0	0	0	0	159	0	25	23	0	0
9	0	0	0	0	0	0	180	0	24	21	0	0
10	0	0	0	0	0	0	194	0	26	21	0	0
11	0	0	0	0	0	0	168	0	6	20	0	0
12	0	0	0	0	0	0	169	0	14	9	0	0
13	0	0	0	0	0	0	167	0	14	11	0	0
14	0	0	0	0	0	0	165	0	5	12	0	0
15	0	0	0	0	0	0	159	0	15	11	0	0
16	0	0	0	0	0	0	55	0	21	11	0	0
17	0	0	0	0	0	0	0	0	22	21	0	0
18	0	0	0	0	0	0	0	0	21	21	0	0
19	0	0	0	0	0	0	0	0	21	20	0	0
20	0	0	0	0	0	0	0	0	21	20	0	0
21	0	0	0	0	0	0	0	0	21	20	0	0
22	0	0	0	0	0	0	0	0	22	20	0	0
23	0	0	0	0	0	0	0	0	21	21	0	0
24	0	0	0	0	0	0	0	0	20	19	0	0
25	0	0	0	0	0	0	0	0	21	21	0	0
26	0	0	0	0	0	0	0	0	10	12	0	0
27	0	0	0	0	0	0	0	0	10	11	0	0
28	0	0	0	0	0	0	0	0	12	12	0	0
29	0	-	0	0	0	98	0	66	13	13	0	0
30	0	-	0	0	0	91	0	24	13	12	0	0
31	0	-	0	-	0	-	0	24	-	12	-	0
TOTAL	0	28	0	0	0	189	2,332	114	574	570	2	0
MAXIMUM DAY	0	7	0	0	0	98	204	66	30	34	2	0
MINIMUM DAY	0	0	0	0	0	0	0	0	5	9	0	0
MEAN	0	1	0	0	0	6	75	4	19	18	0	0
TOTAL AC. FT.	0	56	0	0	0	375	4,625	226	1,139	1,131	4	0
WHOLE YEAR:-	TOTAL,	3,809	MAX.,	204	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,556		

DISCHARGE IN CUBIC FEET PER SECOND Year: 2001
 Cawelo Water District Diverted to North Kern WSD

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	12	0	0	0	0	0	0	0	0	0
19	0	0	25	0	0	0	0	0	0	0	0	0
20	0	0	13	0	0	0	0	0	0	0	0	0
21	0	0	44	0	0	0	0	0	0	0	0	0
22	0	0	37	0	0	0	0	0	0	0	0	0
23	0	0	38	0	0	0	0	0	0	0	0	0
24	0	0	38	0	0	0	0	0	0	0	0	0
25	0	0	39	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	246	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	44	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	8	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	488	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	246	MAX.,	44	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	488		

DISCHARGE IN CUBIC FEET PER SECOND **North Kern Water Storage District** **Year: 2001**
Semitropic Water Storage District Irrigation Deliveries

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

**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
1999													
NKWSD to CITY	0	0	162	428	0	0	0	0	0	0	0	0	590
CITY to NKWSD	0	0	4,467	2,985	573	1,975	0	0	0	0	0	0	10,000
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	51,961	51,961	47,656	45,099	44,526	42,551							

2000													
NKWSD to CITY	0	3,844	2,408	0	0	0	0	0	0	0	0	114	6,366
CITY to NKWSD	0	0	3,540	379	0	6,081	0	0	0	0	0	0	10,000
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	42,551	46,395	45,263	44,884	44,884	38,803	38,803	38,803	38,803	38,803	38,803	38,917	38,917

2001													
NKWSD to CITY	4,580	0	211	0	0	0	0	0	0	0	0	0	4,791
CITY to NKWSD	0	0	2,314	2,235	0	0	0	0	0	0	0	0	4,549
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	43,497	43,497	41,394	39,159									

*COST ALLOCATION
&
WATERMASTER SUMMARIES*

SLIPPER TOE SHOE SHED
**SNOW-SURVEY
SHELTER**
TRAVELERS
FOLLOW THE COURSE TO THE
LEFT OF THE SHED AND GO
DOWN THE LITTLE CANYON
DO NOT TROUBLE
STATE OF CALIFORNIA
DIVISION OF WATER RESOURCES

*Casa Vieja Meadows
Elevation 8,300 ft., Kern River Basin*

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

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

Quantities in acre-feet

Year: 2001

	Five Year Total					Allocation Percentage	
	1997	1998	1999	2000	2001		
Carrier Canal at Head	278,954	252,015	170,089	170,098	189,997	1,061,153	99.89%
Oilfield Discharge	14	14	13	93	184	318	0.03%
Storm Drain Inflow	110	284	197	123	141	855	0.08%
TOTAL CARRIER CANAL FLOW	279,078	252,313	170,299	170,314	190,322	1,062,326	100.00%
Kern Island Canal (1)	153,501	106,237	122,381	137,692	130,955	650,766	61.26%
Eastside Canal	19,099	13,742	17,214	16,126	13,816	79,997	7.53%
Kern Delta WD via Levee #1	61,761	61,175	20,094	11,880	17,835	172,745	16.26%
KERN DELTA WATER DISTRICT TOTAL	234,361	181,154	159,689	165,698	162,606	903,508	85.05%
Carrier Waste Gate	185	648	14	6	0	853	0.08%
Kern River Conduit via Levee #1	44,532	70,511	10,596	4,610	27,716	157,965	14.87%
CITY OF BAKERSFIELD TOTAL	44,717	71,159	10,610	4,616	27,716	158,818	14.95%

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

CARRIER CANAL BELOW FOUR WEIRS - ALLOCATION

Utilization of Water - Preceding Five Years

Quantities in acre-feet

Year: 2001

	1997	1998	1999	2000	2001	Five Year Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	323,656	339,130	114,243	87,004	71,528	935,561	100.00%
Stine Canal Total Diverted (2)	32,112	33,097	13,028	18,871	0	97,108	10.38%
Arvin-Edison Turnout Total Diverted (2)	8,142	5,293	7,049	4,723	0	25,207	2.69%
Buena Vista Canal Total Diverted (2)	41,905	30,670	25,685	25,200	17,027	140,487	15.02%
River Canal Total Diverted (3)	1,449	693	0	746	2,253	5,141	0.55%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	83,608	69,753	45,762	49,540	19,280	267,943	28.64%
KERN RIVER CONDUIT (City of Bakersfield)	240,048	269,377	68,481	37,464	52,248	667,618	71.36%

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

CALLOWAY AND BEARDSLEY CANALS

Allocation of Joint Accounts
2001

CALLOWAY CANAL USED

Preceding Ten Years

Diverted via Calloway Canal					
Year	NKWSD	CITY	Subtotal	ID4	TOTAL
1992	0	0	0	10,095	10,095
1993	27,341	14,356	41,697	38,873	80,570
1994	0	0	0	22,829	22,829
1995	112,624	16,380	129,004	45,914	174,918
1996	40,699	7,266	47,965	39,140	87,105
1997	59,207	14,927	74,134	46,814	120,948
1998	97,572	10,684	108,256	33,124	141,380
1999	11,873	611	12,484	30,624	43,108
2000	97	0	97	32,258	32,355
2001	0	0	0	9,034	9,034
Total	349,413	64,224	413,637	308,705	722,342
Percent	84.47%	15.53%	100.00%		

BEARDSLEY CANAL USED

Preceding Five Years

Diverted via Beardsley Canal							
Year	North Kern Water Storage District			CITY	Subtotal	CWD/Other	TOTAL
	NKWSD	RRID	TOTAL				
1997	198,111	3,140	201,251	17,889	219,140	74,666	293,806
1998	250,720	4,369	255,089	8,525	263,614	61,613	325,227
1999	134,672	5,310	139,982	12,652	152,634	69,199	221,833
2000	129,567	1,621	131,188	14,688	145,876	62,352	208,228
2001	76,123	593	76,716	10,743	87,459	47,167	134,626
Total	789,193	15,033	804,226	64,497	868,723	314,997	1,183,720
Percent	90.85%	1.73%	92.58%	7.42%	100.00%		

Quantities in acre-feet
except where noted...

Year: 2001

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
E	0	0	0	187	204	109	0	0	0	0	0	0	601
A	0	0	0	1,479	2,922	1,493	0	0	0	0	0	0	5,894
S	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	61	6	0	0	0	0	0	0	0	67
E	0	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	22	14	0	0	0	0	0	0	0	0	310
H	0	0	16	0	0	0	0	0	0	0	0	2,184	2,200
N	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	38	1,741	3,132	1,602	0	0	0	0	0	2,559	9,072
	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
	1,388	1,388	1,388	1,388	1,388	1,388	1,388	1,388	1,388	1,388	1,388	1,388	1,388
	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04
	\$0.00	\$0.00	\$39.52	\$1,810.64	\$3,257.28	\$1,666.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,661.36	\$9,434.88
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	16	0	0	0	0	0	0	0	0	2,184	2,200
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	16	0	0	0	0	0	0	0	0	2,184	2,200
	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04	\$1.04
	\$0.00	\$0.00	\$16.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,271.36	\$2,286.00
TOTAL CHARGE													\$11,722.88

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

Year: 2001

Quantities in acre-feet

Canal	1997					2000					Five Year Total		Percentage
	1997	1998	1999	2000	2001	1997	1998	1999	2000	2001	Total	Percentage	
Kern Island	158,389	109,996	116,598	137,708	124,148	646,839					646,839	19.91%	
Eastside	19,099	13,742	17,214	16,042	13,816	79,913					79,913	2.46%	
Buena Vista	29,830	22,912	11,237	18,067	11,263	93,309					93,309	2.87%	
Stine	25,760	22,970	11,500	12,622	5,930	78,782					78,782	2.42%	
Farmers	19,934	18,834	11,773	12,097	5,224	67,862					67,862	2.09%	
Subtotal Kern Delta WD	253,012	188,454	168,322	196,536	160,381	966,705					966,705	29.75%	
City of Bakersfield	282,696	511,316	104,088	72,504	44,026	1,014,630					1,014,630	31.23%	
K.R.C. & I. Co. (Beardsley)	10,762	8,020	11,130	11,571	8,460	49,943					49,943	1.54%	
Central - I.D. #4 (Calloway)	61,741	43,808	31,235	32,258	9,034	178,076					178,076	5.48%	
James	13,277	69,754	599	0	0	83,630					83,630	2.57%	
Pioneer	13,398	41,605	0	0	2,179	57,182					57,182	1.76%	
Subtotal City of Bakersfield	381,874	674,503	147,052	116,333	63,699	1,383,461					1,383,461	42.58%	
North Kern WSD	262,024	346,844	101,030	108,839	80,299	899,036					899,036	27.67%	
Total First Point Group	896,910	1,209,801	416,404	421,708	304,379	3,249,202					3,249,202	100.00%	
South Fork	594	451	896	900	474								
First Point Passing 2nd Point	37,075	18,161	0	0	0								
River Loss and Spreading	87,599	95,514	31,968	34,935	37,914								
Flow Above First Point	2,978	2,864	2,480	2,869	2,847								
Total 1st Point Group Diverted	1,025,156	1,326,791	451,748	460,412	345,614								

- Note:

**ALL FIGURES REFLECT
GROSS DIVERSIONS...**

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

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

COMPUTED YEAR: 2001

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
1997	80,842,580	40,545,783	121,388,363	\$144,137
1998	83,156,954	39,569,618	122,726,572	\$144,137
1999	48,932,446	28,030,294	76,962,740	\$390,887
2000	30,676,075	27,075,766	57,751,841	\$390,887
2001	21,539,350	19,955,860	41,495,210	(3) \$366,015
5-Year Totals	265,147,405	155,177,321	420,324,726	\$1,436,063

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

- Total 5-Year Operation & Interest Charge..... \$2,579,313

Total 5-Year Cost = \$2,579,313 = \$0.0061365

Total 5-Year Use = 420,324,726 = Rental Charge
Per
Acre-Foot Day

TOTAL 2001 HACIENDA WD Acre-Foot Storage Days = 0

TOTAL 2001 HACIENDA WD Share of 2001 Storage Costs = \$0.00

(1) Includes Hacienda Water District Storage when such storage occurs...

(2) \$ 32,603 per year through 1973; \$ 66,038 per year 1974 through 1978;
\$ 91,598 per year 1979 through 1983; \$159,115 per year 1984 through
1988; \$151,324 per year 1989 through 1993; \$142,254 per year 1994
through 1998; \$390,887 per year 1999 through 2003 (includes contract
administration charges by the U.S.B.R.)

(3) Reflects revised Isabella Reservoir O&M Charges for years 2001-2003
pursuant to Corps of Engineers billing statement dated February 1, 2000...

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

Quantities in acre-feet
except where noted...

Year: 2001

End of Previous Year	Total Storage in Reservoir	Total Water Surface Area (Acres)	Area Attributable to Rec. Pool (Acres)	Total Reservoir Loss	County of Kern		
					Ming Lake Net Inflow	Recreation Pool Loss	
January	129,519	5,008	825	780	16	121	
February	130,172	5,025	825	551	16	81	
March	130,927	5,044	820	1,620	44	256	
April	139,743	5,268	795	2,053	60	278	
May	166,079	5,893	720	5,165	77	458	
June	243,564	7,438	555	6,791	105	547	
July	205,791	6,733	625	5,978	127	651	
August	162,336	5,808	725	5,476	121	813	
September	125,555	4,905	840	3,858	91	724	
October	108,860	4,450	900	2,539	65	549	
November	99,621	4,185	940	1,115	42	250	
December	100,419	4,208	935	524	26	115	
	105,906	4,367	915	36,450	790	4,843	
TOTALS							

ISABELLA RESERVOIR RECREATION POOL:

15,125 S.F.D.

30,000 ACRE-FEET

NOTE: Storage & Area quantities reflect last day of month

REPORT OF THE KERN RIVER WATERMASTER

SUMMARY OF KERN RIVER RUNOFF

Quantities in acre-feet

Year: 2001

	CALENDAR YEAR						WATER YEAR					
	FIRST POINT		NATURAL		ENTITLEMENT		FIRST POINT		NATURAL		ENTITLEMENT	
	REGULATED	NKWS	NKWS	BWSD	HWD	REGULATED	NKWS	NKWS	BWSD	HWD		
JANUARY	13,936	15,429	15,429	0	0	20,340	12,912	12,912	0	0		
To Date	13,936	15,429	15,429	0	0	20,340	12,912	12,912	0	0		
FEBRUARY	17,643	19,004	19,004	0	0	12,260	12,764	12,764	0	0		
	31,579	34,433	34,433	0	0	32,600	25,676	25,676	0	0		
MARCH	26,364	36,948	31,059	5,889	0	16,260	12,688	12,688	0	0		
	57,943	71,381	65,492	5,889	0	48,860	38,364	38,364	0	0		
APRIL	29,679	58,249	45,398	12,851	0	13,936	15,429	15,429	0	0		
	87,622	129,630	110,890	18,740	0	62,796	53,793	53,793	0	0		
MAY	41,423	124,417	90,194	34,223	0	17,643	19,004	19,004	0	0		
	129,045	254,047	201,084	52,963	0	80,439	72,797	72,797	0	0		
JUNE	73,624	43,033	35,022	8,011	0	26,364	36,948	31,059	5,889	0		
	202,669	297,080	236,106	60,974	0	106,803	109,745	103,856	5,889	0		
JULY	61,618	24,593	22,219	2,374	0	29,679	58,249	45,398	12,851	0		
	264,287	321,673	258,325	63,348	0	136,482	167,994	149,254	18,740	0		
AUGUST	42,432	11,558	11,558	0	0	41,423	124,417	90,194	34,223	0		
	306,719	333,231	269,883	63,348	0	177,905	292,411	239,448	52,963	0		
SEPTEMBER	21,410	8,916	8,916	0	0	73,624	43,033	35,022	8,011	0		
	328,129	342,147	278,799	63,348	0	251,529	335,444	274,470	60,974	0		
OCTOBER	15,588	9,142	9,142	0	0	61,618	24,593	22,219	2,374	0		
	343,717	351,289	287,941	63,348	0	313,147	360,037	296,689	63,348	0		
NOVEMBER	13,259	15,293	15,293	0	0	42,432	11,558	11,558	0	0		
	356,976	366,582	303,234	63,348	0	355,579	371,595	308,247	63,348	0		
DECEMBER	18,793	24,869	24,750	119	0	21,410	8,916	8,916	0	0		
Year	375,769	391,451	327,984	63,467	0	376,989	380,511	317,163	63,348	0		

1894 to 2001 Mean April-July Runoff = 470,271 acre-feet (100% of Average)
 2001 April-July Runoff = 250,292 acre-feet (53% of Average)

1894 to 2001 Mean March-October Runoff = 603,963 acre-feet (100% of Average)
 2001 March-October Runoff = 316,856 acre-feet (52% of Average)

Isabella Dam & Reservoir
Midnight Storage Recapitulation

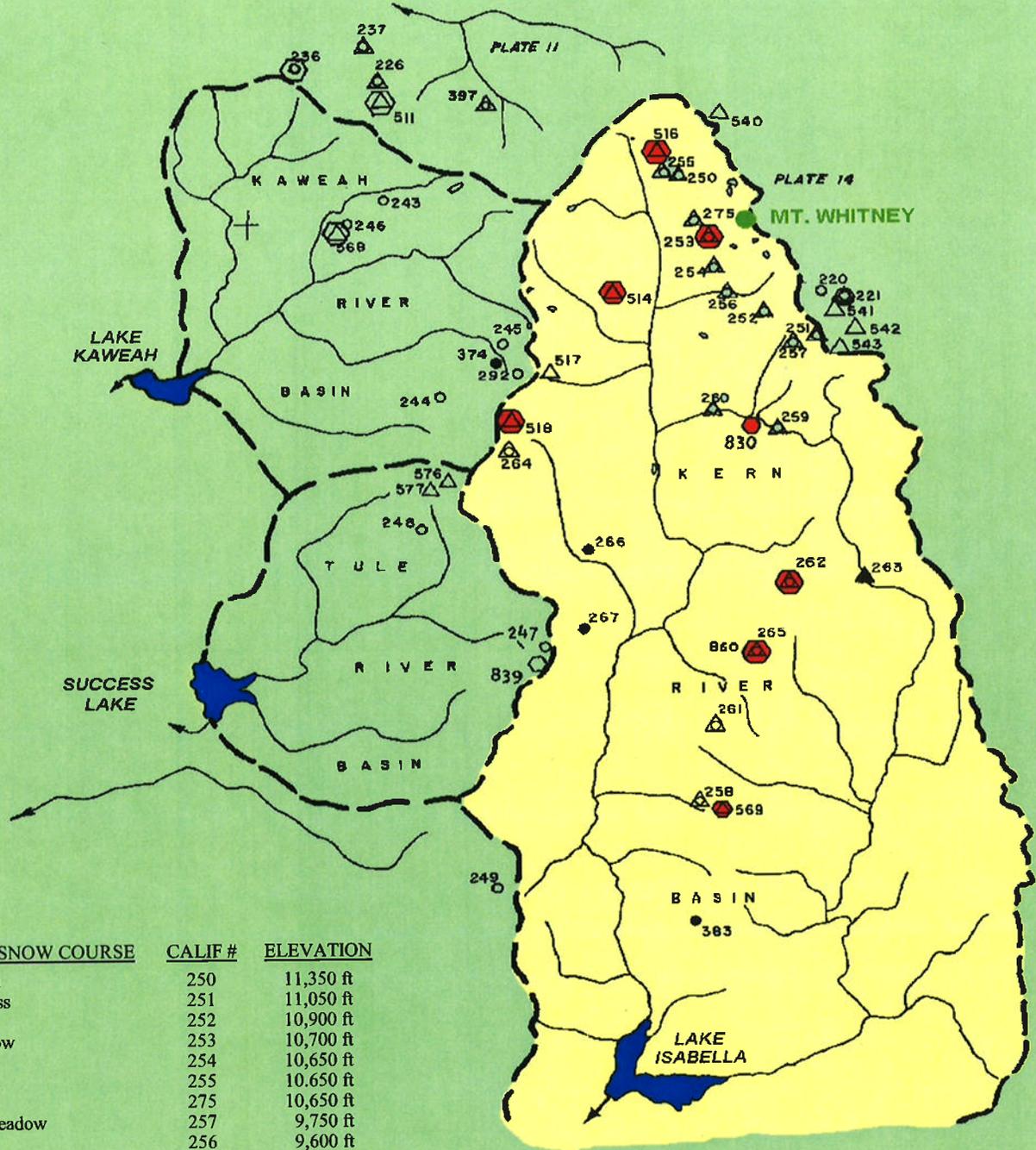
QUANTITIES IN ACRE-FEET

Year: 2001

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	129,569	130,172	130,876	140,854	168,210	244,458	203,644	160,714	124,820	108,371	99,621	100,461
2	129,569	130,222	130,876	142,022	170,897	244,755	201,510	159,219	124,187	107,840	99,537	100,545
3	129,569	130,222	130,876	143,142	173,370	244,904	199,389	157,789	123,506	107,398	99,455	100,840
4	129,569	130,222	130,927	144,054	175,375	244,458	197,544	156,481	122,877	106,871	99,413	100,798
5	129,620	130,222	130,876	144,592	177,211	243,713	195,579	155,462	122,201	106,300	99,371	100,713
6	129,620	130,172	130,725	145,077	179,183	243,117	193,952	154,336	121,528	105,863	99,287	100,587
7	129,620	129,971	130,725	145,889	181,666	242,525	192,785	153,213	120,905	105,471	99,246	100,587
8	129,670	129,870	130,674	146,485	184,549	241,708	191,752	151,874	120,428	105,079	99,204	100,545
9	129,670	129,820	130,624	146,975	187,842	240,820	190,658	150,376	119,952	104,818	99,120	100,503
10	129,770	129,870	130,624	147,466	191,494	239,861	189,695	149,109	119,335	104,516	99,037	100,461
11	130,323	130,172	130,624	147,848	195,254	238,610	188,544	147,848	118,720	104,170	98,953	100,377
12	130,273	130,172	130,524	148,176	199,058	237,142	187,462	146,485	118,201	103,911	99,120	100,419
13	130,273	130,323	130,474	148,615	202,109	235,680	186,255	145,185	117,731	103,696	99,120	100,419
14	130,222	130,323	130,474	148,999	204,380	234,223	185,117	143,839	117,215	103,395	99,162	100,503
15	130,172	130,323	130,474	149,439	206,533	232,555	183,984	142,182	116,748	102,923	99,204	100,629
16	130,122	130,474	130,524	149,935	209,379	230,893	182,730	140,748	116,141	102,411	99,162	100,587
17	130,122	130,474	130,624	150,542	213,072	229,094	181,479	139,534	115,492	101,857	99,079	100,545
18	130,071	130,373	130,775	151,208	216,597	227,161	180,174	138,378	114,752	101,263	99,037	100,545
19	130,222	130,323	131,078	151,929	219,524	225,095	178,997	137,386	114,153	100,756	98,995	100,503
20	130,273	130,323	131,382	152,878	222,335	223,040	177,765	136,347	113,739	100,461	98,995	100,503
21	130,222	130,323	131,736	153,886	225,166	221,137	176,597	135,056	113,328	100,251	98,870	100,629
22	130,172	130,323	132,192	154,672	227,876	219,244	175,436	133,619	112,870	100,083	98,787	100,671
23	130,172	130,323	132,752	155,519	230,244	217,639	174,218	132,243	112,370	99,957	98,870	100,713
24	130,273	130,826	133,363	156,537	232,410	216,180	173,067	131,281	111,779	99,831	99,204	100,713
25	130,323	130,876	134,080	157,675	234,660	214,796	171,739	130,424	111,192	99,747	100,209	100,671
26	130,424	130,927	134,798	158,932	236,777	213,417	170,358	129,620	110,650	99,663	100,125	100,671
27	130,323	130,927	135,572	160,484	238,537	212,043	168,865	128,670	110,112	99,579	100,041	100,671
28	130,273	130,927	136,399	162,278	240,157	210,333	167,321	127,775	109,618	99,537	99,999	100,713
29	130,222	-	137,386	164,201	241,634	208,021	165,786	127,081	109,261	99,455	100,293	102,240
30	130,222	-	138,535	166,079	242,671	205,791	164,026	126,292	108,860	99,537	100,419	104,689
31	130,172	-	139,743	-	243,564	-	162,336	125,555	-	99,621	-	105,906
MAXIMUM DAY	130,424	130,927	139,743	166,079	243,564	244,904	203,644	160,714	124,820	108,371	100,419	105,906
MINIMUM DAY	129,569	129,820	130,474	140,854	168,210	205,791	162,336	125,555	108,860	99,455	98,787	100,377

KERN RIVER BASIN

Drainage Basin Above Lake Isabella = 2,074 Square Miles

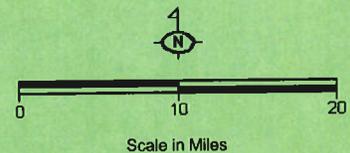


KERN RIVER SNOW COURSE **CALIF #** **ELEVATION**

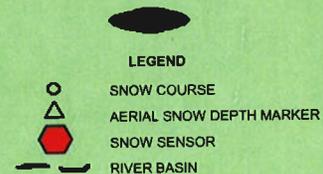
Bighorn Plateau	250	11,350 ft
Cottonwood Pass	251	11,050 ft
Siberian Pass	252	10,900 ft
Crabtree Meadow	253	10,700 ft
Guyot Flat	254	10,650 ft
Tyndall Creek	255	10,650 ft
Sandy Meadow	275	10,650 ft
Big Whitney Meadow	257	9,750 ft
Rock Creek	256	9,600 ft
Round Meadow	258	9,000 ft
Ramshaw Meadow	259	8,700 ft
Little Whitney Meadow	260	8,500 ft
Quinn Ranger Station	264	8,350 ft
Bonita Meadows	261	8,300 ft
Casa Vieja Meadows	262	8,300 ft
Beach Meadows	265	7,650 ft
Dead Horse Meadow	249	7,300 ft

KERN RIVER SNOW SENSOR

Upper Tyndall Creek	516	11,400 ft
Crabtree Meadow	253	10,700 ft
Chagoopa Plateau	514	10,300 ft
Pascoe	569	9,150 ft
Wet Meadow (W)	518	8,950 ft
Tunnel Guard Station (W)	830	8,900 ft
Casa Vieja Meadows (W)	262	8,300 ft
Beach Meadows	860	7,650 ft



STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF FLOOD MANAGEMENT
CALIFORNIA COOPERATIVE SNOW SURVEYS



REPORT OF THE KERN RIVER WATERMASTER

JANUARY 2001

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT		FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT		SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		REGULATED FLOW	ABOVE 1ST PT.		+1ST POINT	+FLOW ABOVE NATURAL		Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	IRRIGATION		TOTAL	KERN RIVER	FRIANT-KERN		
Previous Day	2553.05	129,519	65,299	14	179	1	194	194	194	65,299	50,081	2	0	0	0	0	0
1	2553.06	129,569	65,324	15	180	1	221	217	217	65,320	50,102	2	0	0	0	0	1
2	2553.06	129,569	65,324	37	171	2	210	209	209	65,319	50,101	6	0	0	0	0	2
3	2553.06	129,569	65,324	24	172	1	197	199	199	65,321	50,103	4	0	0	0	0	3
4	2553.06	129,569	65,324	17	172	1	190	200	200	65,331	50,113	3	0	0	0	0	4
5	2553.07	129,620	65,350	15	172	1	214	198	198	65,341	50,123	2	0	0	0	0	5
6	2553.07	129,620	65,350	17	172	1	190	197	197	65,348	50,130	3	0	0	0	0	6
7	2553.07	129,620	65,350	14	172	1	187	204	204	65,365	50,147	2	0	0	0	0	7
8	2553.08	129,670	65,375	19	189	1	234	211	211	65,367	50,149	3	0	0	0	0	8
9	2553.08	129,670	65,375	4	207	1	212	239	239	65,394	50,176	1	0	0	0	0	9
10	2553.10	129,770	65,426	2	217	1	271	252	252	65,426	50,208	0	0	0	0	0	10
11	2553.21	130,323	65,705	4	269	1	553	553	553	65,705	50,487	1	0	0	0	0	11
12	2553.20	130,273	65,679	2	270	1	247	246	246	65,678	50,460	0	0	0	0	0	12
13	2553.20	130,273	65,679	9	235	1	245	235	235	65,668	50,450	1	0	0	0	0	13
14	2553.19	130,222	65,654	9	228	1	213	226	226	65,656	50,438	1	0	0	0	0	14
15	2553.18	130,172	65,628	14	230	1	219	222	222	65,633	50,415	2	0	0	0	0	15
16	2553.17	130,122	65,603	17	240	1	233	231	231	65,606	50,388	3	0	0	0	0	16
17	2553.17	130,122	65,603	6	235	1	242	225	225	65,589	50,371	1	0	0	0	0	17
18	2553.16	130,071	65,577	2	223	0	199	242	242	65,606	50,388	0	0	0	0	0	18
19	2553.19	130,222	65,654	9	198	1	285	241	241	65,639	50,421	1	0	0	0	0	19
20	2553.20	130,273	65,679	19	195	1	240	258	258	65,682	50,464	3	0	0	0	0	20
21	2553.19	130,222	65,654	22	252	1	250	248	248	65,655	50,437	4	0	0	0	0	21
22	2553.18	130,172	65,628	17	263	1	255	256	256	65,630	50,412	3	0	0	0	0	22
23	2553.18	130,172	65,628	9	252	1	262	277	277	65,645	50,427	1	0	0	0	0	23
24	2553.20	130,273	65,679	2	260	1	314	289	289	65,671	50,453	0	0	0	0	0	24
25	2553.21	130,323	65,705	17	248	1	292	311	311	65,716	50,498	3	0	0	0	0	25
26	2553.23	130,424	65,755	4	271	1	326	287	287	65,727	50,509	1	0	0	0	0	26
27	2553.21	130,323	65,705	9	281	1	241	281	281	65,717	50,499	1	0	0	0	0	27
28	2553.20	130,273	65,679	10	292	1	277	254	254	65,668	50,450	2	0	0	0	0	28
29	2553.19	130,222	65,654	14	253	1	243	264	264	65,664	50,446	2	0	0	0	0	29
30	2553.19	130,222	65,654	15	256	1	272	262	262	65,654	50,436	2	0	0	0	0	30
31	2553.18	130,172	65,628	19	251	1	245	245	245	65,628	50,410	3	0	0	0	0	31
TOTAL SECOND FOOT DAYS				393	7,026	31	7,779	7,779	7,779	65,628	50,410	61	0	0	0	0	0
TOTAL ACRE-FEET				780	13,936	61	15,429	15,429	15,429	130,172	99,988	121	0	0	0	0	0

By:  Date: February 15, 2001

REPORT OF THE KERN RIVER WATERMASTER

JANUARY 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY Previous Day	FLOW ABOVE 1ST POINT										FLOW ABOVE 1ST PT. CARIMEL			ENTITLEMENT Contributed By:			RESERVOIR LOSS	RESERVOIR STORAGE	DAY		
	ENT'L AT 1ST	FLOW AT 1ST	VALLEY LAKE	CAL WATER	OLCSE SERVICE	WD	LOSS	RESERVOIR STORAGE	ENT'L AT 1ST	POINT	VIA KWD	VIA CWD	AT 2ND POINT	HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE				NKWS	BVWS
194	171	0	0	0	1	0	7	22,976	0	0	0	8	0	0	7	27,105	0	0	0		
1	217	180	1	0	0	0	7	23,005	0	0	0	0	0	0	8	27,097	0	0	1		
2	209	171	0	1	0	0	19	23,022	0	0	0	0	0	0	18	27,079	0	0	2		
3	199	172	1	0	0	0	12	23,036	0	0	0	0	0	0	12	27,067	0	0	3		
4	200	171	0	0	1	0	9	23,055	0	1	0	0	0	0	8	27,058	0	0	4		
5	198	172	0	0	1	0	7	23,073	0	0	0	0	0	0	8	27,050	0	0	5		
6	197	172	1	0	0	0	9	23,088	0	0	0	0	0	0	8	27,042	0	0	6		
7	204	172	0	0	1	0	7	23,112	0	0	0	0	0	0	7	27,035	0	0	7		
8	211	189	0	0	0	1	10	23,123	0	0	0	0	0	0	9	27,026	0	0	8		
9	239	207	0	0	1	0	2	23,152	0	0	0	0	0	0	2	27,024	0	0	9		
10	252	216	1	0	0	0	1	23,186	0	1	0	0	0	0	1	27,022	0	0	10		
11	553	269	0	0	1	0	2	23,467	0	0	0	0	0	0	2	27,020	0	0	11		
12	246	270	0	0	0	1	1	23,441	0	0	0	0	0	0	1	27,019	0	0	12		
13	235	235	0	1	0	0	4	23,436	0	0	0	0	0	0	5	27,014	0	0	13		
14	226	228	0	0	1	0	4	23,429	0	0	0	0	0	0	5	27,009	0	0	14		
15	222	230	1	0	0	0	7	23,413	0	0	0	0	0	0	7	27,002	0	0	15		
16	231	239	0	0	1	0	9	23,395	0	1	0	0	0	0	8	26,993	0	0	16		
17	225	235	0	0	0	1	3	23,381	0	0	0	0	0	0	3	26,990	0	0	17		
18	242	223	0	0	0	0	1	23,399	0	0	0	0	0	0	1	26,989	0	0	18		
19	241	198	0	0	1	0	4	23,437	0	0	0	0	0	0	5	26,984	0	0	19		
20	258	195	1	0	0	0	10	23,489	0	0	0	0	0	0	9	26,975	0	0	20		
21	248	252	0	0	0	1	11	23,473	0	0	0	0	0	0	11	26,964	0	0	21		
22	256	263	0	0	1	0	9	23,456	0	0	0	0	0	0	8	26,956	0	0	22		
23	277	249	0	1	0	0	4	23,479	0	3	0	0	0	0	5	26,948	0	0	23		
24	289	260	0	0	1	0	1	23,506	0	0	0	0	0	0	1	26,947	0	0	24		
25	311	248	1	0	0	0	9	23,559	0	0	0	0	0	0	8	26,939	0	0	25		
26	287	271	0	0	0	1	2	23,572	0	0	0	0	0	0	2	26,937	0	0	26		
27	281	281	0	0	1	0	4	23,567	0	0	0	0	0	0	5	26,932	0	0	27		
28	254	292	0	0	0	1	5	23,523	0	0	0	0	0	0	5	26,927	0	0	28		
29	264	253	0	0	1	0	7	23,526	0	0	0	0	0	0	7	26,920	0	0	29		
30	262	256	1	0	0	0	8	23,523	0	0	0	0	0	0	7	26,913	0	0	30		
31	245	251	0	0	1	0	10	23,506	0	0	0	0	0	0	9	26,904	0	0	31		
S.F.D.	7,779	7,020	8	2	15	6	198	23,506	0	6	0	0	0	0	195	26,904	0	0	S.F.D.		
AC.FT.	15,429	13,924	16	3	31	11	393	46,625	0	12	0	0	0	0	387	53,363	0	0	AC.FT.		
TOTAL ACRE-FOOT STORAGE DAYS																		1,659,732	TOTAL ACRE-FOOT STORAGE DAYS		0

REPORT OF THE KERN RIVER WATERMASTER

JANUARY 2001

PAGE 5 of 5

WATERMASTER NOTES * KERN RIVER BULLETIN**

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

January None

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: February 1, 2001

SNOW COURSE	SNOW SENSOR	CALIF. NUMBER	ELEV. IN FEET	APRIL 1ST AVERAGE WATER CONTENT	DATE MEASURED	SNOW DEPTH IN INCHES	DENSITY (%)	WATER CONTENT IN INCHES	% OF APRIL 1ST AVERAGE	MEASURED BY
	Upper Tyndall Creek	516	11,450	27.7	1-27	23.0	20%	4.7	17%	DWR
Bighorn Plateau		250	11,350	21.9	1-26	20.0	18%	3.6	16%	DWR
Cottonwood Pass		251	11,050	13.4	2-02	18.3	24%	4.4	33%	DWR
Siberian Pass		252	10,900	18.3	1-30	22.5	20%	4.5	25%	DWR
Crabtree Meadow		253	10,700	18.8	1-28	21.6	19%	4.0	21%	DWR
	Crabtree Meadow	253	10,700	19.8						
Guyot Flat		254	10,650	20.0	1-25	19.0	16%	3.1	16%	DWR
Tyndall Creek		255	10,650	18.3	1-26	22.9	17%	3.9	21%	DWR
Sandy Meadows		275	10,650	18.3	1-26	25.1	17%	4.2	23%	DWR
	Chagoopa Plateau	514	10,300	21.8						
Big Whitney Meadow		257	9,750	16.6	1-30	21.1	21%	4.4	27%	DWR
Rock Creek		256	9,600	17.2	1-25	19.6	18%	3.6	21%	DWR
	Pascoe	569	9,130	24.9	1-29	33.0	24%	8.0	32%	USFS
Round Meadow		258	9,000	24.9	1-29	29.2	25%	7.3	29%	USFS
	Tunnel Guard	830	8,960	15.6	1-31	19.0	21%	4.0	26%	DWR
	Wet Meadow	518	8,950	30.3						
Ramshaw Meadows		259	8,700	11.3	2-01	18.1	19%	3.5	31%	DWR
Little Whitney Mea.		260	8,500	13.5	1-31	20.5	24%	5.0	37%	DWR
Casa Vieja Meadows		262	8,400	19.6	2-01	22.7	22%	4.9	25%	USFS
	Casa Vieja Meadows	262	8,400	20.9						
Quinn Ranger Sta.		264	8,350	19.4						
Bonita Meadows		261	8,300	13.8	1-29	23.3	26%	6.1	44%	USFS
Beach Meadows		265	7,650	8.9	2-02	16.7	28%	4.6	52%	USFS
	Beach Meadows	860	7,650	11.0	2-02	13.5	32%	4.3	39%	USFS
Dead Horse Meadow		249	7,300	11.3	2-02	25.1	26%	6.6	58%	USFS

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 2001 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
 April-July = 200,000 acre-feet (45% of Average) *** Water Year = 340,000 acre-feet (49% of Average)
 80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...
 April-July = 100,000 AcFt (23% of Average) to 560,000 AcFt (127% of Average) *** Water Year = 190,000 AcFt (27% of Average) to 870,000 AcFt (125% of Average)

REPORT OF THE KERN RIVER WATERMASTER

FEBRUARY 2001

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA		RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT		SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT- KERN INFLOW DAY
	ELEVATION (FEET)	ACRE-FEET	S.F.D.	LOSS			+1ST POINT	+FLOW ABOVE 1ST POINT		Recreation Pool + Dead Storage	IRRIGATION		Recreation Pool + Dead Storage	SECOND POINT	RIVER	FRIANT- KERN	
Previous Day	2553.18	130,172	65,628	19	251	1	245	245	245	50,410	50,410	3	0	0	0	0	0
1	2553.18	130,172	65,628	10	242	1	253	253	253	50,410	50,410	2	0	0	0	0	1
2	2553.19	130,222	65,654	18	234	1	279	271	271	50,428	50,428	3	0	0	0	0	2
3	2553.19	130,222	65,654	13	243	0	256	275	275	50,447	50,447	2	0	0	0	0	3
4	2553.19	130,222	65,654	15	274	1	290	286	286	50,443	50,443	2	0	0	0	0	4
5	2553.19	130,222	65,654	25	286	1	312	314	314	50,445	50,445	4	0	0	0	0	5
6	2553.18	130,172	65,628	21	343	1	339	306	306	50,386	50,386	3	0	0	0	0	6
7	2553.14	129,971	65,527	2	366	1	288	298	298	50,315	50,315	0	0	0	0	0	7
8	2553.12	129,870	65,476	8	330	1	268	271	271	50,247	50,247	1	0	0	0	0	8
9	2553.11	129,820	65,451	10	270	1	256	283	283	50,249	50,249	2	0	0	0	0	9
10	2553.12	129,870	65,476	10	270	1	306	332	332	50,300	50,300	2	0	0	0	0	10
11	2553.18	130,172	65,628	2	279	1	434	357	357	50,375	50,375	0	0	0	0	0	11
12	2553.18	130,172	65,628	2	328	1	331	405	405	50,449	50,449	0	0	0	0	0	12
13	2553.21	130,323	65,705	2	370	1	450	375	375	50,451	50,451	0	0	0	0	0	13
14	2553.21	130,323	65,705	8	336	1	345	371	371	50,477	50,477	1	0	0	0	0	14
15	2553.21	130,323	65,705	9	308	1	318	354	354	50,513	50,513	1	0	0	0	0	15
16	2553.24	130,474	65,781	19	303	1	399	350	350	50,540	50,540	3	0	0	0	0	16
17	2553.24	130,474	65,781	22	310	1	333	343	343	50,550	50,550	4	0	0	0	0	17
18	2553.22	130,373	65,730	6	340	1	296	315	315	50,518	50,518	1	0	0	0	0	18
19	2553.21	130,323	65,705	2	338	1	316	310	310	50,487	50,487	0	0	0	0	0	19
20	2553.21	130,323	65,705	8	309	1	318	320	320	50,489	50,489	1	0	0	0	0	20
21	2553.21	130,323	65,705	10	316	1	327	327	327	50,489	50,489	2	0	0	0	0	21
22	2553.21	130,323	65,705	15	319	1	335	338	338	50,492	50,492	2	0	0	0	0	22
23	2553.21	130,323	65,705	15	335	1	351	346	346	50,487	50,487	2	0	0	0	0	23
24	2553.31	130,826	65,958	2	340	1	596	596	596	50,740	50,740	0	0	0	0	0	24
25	2553.32	130,876	65,983	10	378	1	414	408	408	50,759	50,759	2	0	0	0	0	25
26	2553.33	130,927	66,009	2	366	1	395	395	395	50,785	50,785	0	0	0	0	0	26
27	2553.33	130,927	66,009	3	373	1	377	383	383	50,791	50,791	0	0	0	0	0	27
28	2553.33	130,927	66,009	9	389	1	399	399	399	50,791	50,791	1	0	0	0	0	28
TOTAL SECOND FOOT DAYS				278	8,895	27	9,581	9,581	9,581	50,791	50,791	41	0	0	0	0	0
TOTAL ACRE-FEET				551	17,643	54	19,004	19,004	19,004	130,927	100,743	81	0	0	0	0	0

By:  Date: March 20, 2001

REPORT OF THE KERN RIVER WATERMASTER

FEBRUARY 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENTL AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT			ENTL AT 1ST POINT	FLOW			ENTL AT 1ST POINT	RESERVOIR			ENTITLEMENT Contributed By:	RESERVOIR STORAGE	LOSS	S.F.D.			
			KERN	VALLEY	CAL		VIA KWD	VIA CWD	AT 2ND POINT		HACIENDA INC.	BUENA VISTA	HACIENDA					NKWS	BWSD	RESERVOIR STORAGE
1	245	251	0	0	1	0	0	0	0	0	0	0	0	0	26,904	0	0			
2	253	242	0	0	0	0	0	0	0	0	0	5	0	0	26,899	0	0			
3	271	232	0	0	1	0	0	2	0	0	0	9	0	0	26,888	0	0			
4	275	243	0	0	0	0	0	0	0	0	0	6	0	0	26,882	0	0			
5	286	274	1	0	0	0	0	0	0	0	0	7	0	0	26,875	0	0			
6	314	286	0	0	1	0	0	0	0	0	0	12	0	0	26,863	0	0			
7	306	343	0	0	1	0	0	0	0	0	0	10	0	0	26,853	0	0			
8	298	366	0	0	0	0	0	0	0	0	0	1	0	0	26,852	0	0			
9	271	330	1	0	0	0	0	0	0	0	0	4	0	0	26,848	0	0			
10	283	270	0	0	1	0	0	0	0	0	0	5	0	0	26,843	0	0			
11	332	270	0	0	1	0	0	0	0	0	0	5	0	0	26,838	0	0			
12	357	279	1	0	0	0	0	0	0	0	0	1	0	0	26,837	0	0			
13	405	328	0	0	1	0	0	0	0	0	0	1	0	0	26,836	0	0			
14	375	370	0	0	1	0	0	0	0	0	0	1	0	0	26,835	0	0			
15	371	336	1	0	0	0	0	0	0	0	0	4	0	0	26,831	0	0			
16	354	308	0	0	1	0	0	0	0	0	0	5	0	0	26,826	0	0			
17	350	303	0	0	1	0	0	0	0	0	0	9	0	0	26,817	0	0			
18	343	310	1	0	0	0	0	0	0	0	0	11	0	0	26,806	0	0			
19	315	340	0	0	1	0	0	0	0	0	0	3	0	0	26,803	0	0			
20	310	338	0	0	0	0	0	0	0	0	0	1	0	0	26,802	0	0			
21	320	309	1	0	0	0	0	0	0	0	0	4	0	0	26,798	0	0			
22	327	316	0	0	0	0	0	0	0	0	0	5	0	0	26,793	0	0			
23	338	319	0	0	1	0	0	0	0	0	0	7	0	0	26,786	0	0			
24	346	335	1	0	0	0	0	0	0	0	0	7	0	0	26,779	0	0			
25	596	340	0	0	1	0	0	0	0	0	0	1	0	0	26,778	0	0			
26	408	378	0	0	1	0	0	0	0	0	0	5	0	0	26,773	0	0			
27	395	366	1	0	0	0	0	0	0	0	0	1	0	0	26,772	0	0			
28	383	369	0	0	0	0	0	4	0	0	0	2	0	0	26,766	0	0			
29	399	385	0	0	1	0	0	4	0	0	0	4	0	0	26,758	0	0			
S.F.D.	9,581	8,885	8	0	14	5	142	24,033	0	10	0	136	0	0	26,758	0	0			
AC.FT.	19,004	17,623	16	0	27	11	281	47,669	0	20	0	270	0	0	53,074	0	0			
															TOTAL ACRE-FOOT STORAGE DAYS	1,314,676	TOTAL ACRE-FOOT STORAGE DAYS	1,489,659	TOTAL ACRE-FOOT STORAGE DAYS	0

MONTH

February

PAGE NO.

TITLE OF COLUMN

COMMENT

None

ACCRETIONS TO KERN RIVER BELOW ISABELLA DAM

APRIL 1954 TO DECEMBER 2000

Quantities in acre-feet except where noted...

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954				4,038	2,977	1,479	3,897	2,559	514	626	966	1,870	
1955	2,358	1,921	1,821	2,386	1,390	3,298	1,929	402	(314)	551	1,065	2,524	19,331
1956	5,828	1,732	2,446	2,860	2,366	1,406	2,347	3,061	1,119	5,799	1,356	1,452	31,774
1957	2,114	886	1,097	1,659	1,251	397	918	1,114	(369)	48	743	1,057	9,425
1958	1,494	2,916	6,644	14,550	4,681	(801)	(4,348)	5,125	1,735	222	1,168	1,289	34,677
1959	1,239	1,068	1,544	1,073	540	(936)	3,318	1,119	(383)	(880)	438	797	7,997
1960	1,071	2,739	1,633	1,581	92	1,601	1,311	1,559	149	502	1,060	1,098	14,397
1961	815	757	914	787	787	126	264	814	734	257	673	1,196	8,308
1962	1,085	6,284	5,125	7,050	4,778	2,709	2,271	1,753	633	1,041	835	816	34,380
1963	1,005	2,190	1,900	1,827	3,826	1,339	2,855	4,520	2,424	2,710	2,045	1,936	28,577
1964	1,692	472	2,378	3,237	1,275	2,408	1,793	577	346	432	926	2,729	18,265
1965	3,172	1,460	2,608	4,776	811	(367)	151	(2,100)	(46)	1,941	1,036	2,285	15,727
1966	2,286	997	1,303	2,095	803	(63)	1,229	10,932	(59)	1,214	1,740	14,810	28,288
1967	3,856	3,320	3,084	3,945	1,998	7,591	5,736	10,349	1,517	1,296	2,619	2,668	48,149
1968	1,870	1,300	1,400	1,224	1,383	1,757	2,220	1,993	418	936	1,687	2,428	18,616
1969	19,079	17,945	23,687	40,391	20,384	11,064	18,659	17,163	5,750	2,480	2,457	3,381	182,440
1970	4,742	2,450	3,028	1,168	1,86	2,916	869	1,434	739	655	2,794	1,814	22,795
1971	2,309	1,547	1,202	1,459	2,154	1,500	808	707	211	156	785	1,833	14,671
1972	1,634	1,204	975	1,003	501	844	180	42	16	777	222	1,075	8,473
1973	3,146	4,182	7,686	7,394	6,123	3,811	1,882	3,879	4,168	1,982	1,890	2,699	48,842
1974	4,393	2,003	5,145	6,054	1,704	1,011	817	2,357	3,055	2,717	2,303	2,894	34,453
1975	704	1,299	2,925	2,641	4,023	2,265	1,565	55	699	497	189	746	17,608
1976	1,646	1,503	1,373	1,562	386	1,675	833	821	1,914	1,679	1,172	1,120	15,684
1977	1,174	1,652	1,844	954	1,124	1,087	622	1,001	683	184	260	2,130	12,715
1978	4,577	26,353	12,041	11,512	11,745	4,945	7,597	736	2,682	1,438	2,039	1,856	87,321
1979	1,724	3,158	5,330	2,675	1,718	494	(415)	234	516	1,428	478	1,544	18,882
1980	8,814	9,429	8,860	7,525	3,543	7,595	9,802	8,239	(86)	2	58	1,426	63,091
1981	2,861	1,313	2,041	1,858	1,129	140	148	1,786	958	764	459	1,798	15,255
1982	3,805	3,501	7,352	10,277	1,373	3,885	5,471	1,876	1,128	1,256	1,897	4,141	48,562
1983	6,887	17,322	37,912	24,107	12,710	4,711	3,097	2,414	7,454	6,473	5,718	9,390	138,195
1984	7,549	5,329	5,418	3,391	2,701	2,213	4,495	3,970	1,434	328	2,264	3,897	42,175
1985	3,759	3,640	3,865	2,714	(625)	(593)	2,697	517	279	1,497	2,640	3,501	23,515
1986	3,734	6,350	8,619	9,540	9,416	13,375	13,999	11,019	2,280	2,850	2,957	2,192	86,931
1987	3,123	2,239	3,822	738	2,535	1,611	1,486	1,149	696	901	418	669	19,387
1988	713	764	1,228	(51)	(15)	495	(485)	100	534	415	1,042	870	5,610
1989	551	962	3,415	1,188	2,049	1,464	(716)	671	534	376	150	973	11,080
1990	1,471	1,278	1,669	42	298	59	(1,580)	278	170	571	763	3,300	6,269
1991	1,351	683	3,099	2,983	849	(236)	376	662	(66)	(26)	1,205	1,429	12,309
1992	1,384	2,297	1,800	1,196	(294)	(288)	16	267	352	(222)	(433)	1,183	7,258
1993	3,131	3,757	4,177	2,110	(1,854)	(1,528)	(638)	(1,789)	366	903	308	1,019	9,962
1994	604	1,351	446	226	(1,152)	(367)	(638)	746	(89)	208	537	1,435	4,203
1995	4,978	2,805	10,025	5,664	10,025	11,210	10,055	11,347	1,380	2,463	1,784	3,132	74,868
1996	3,627	10,773	8,346	4,362	7,908	3,906	2,628	2,405	531	716	1,360	5,573	52,135
1997	14,168	9,981	7,447	911	2,616	4,619	809	(1,658)	2,448	(1,397)	(1,397)	4,441	42,876
1998	5,462	34,907	24,539	25,855	30,900	25,533	16,059	12,476	4,730	(121)	155	3,425	183,940
1999	3,772	4,820	3,236	3,148	1,092	1,033	1,516	2,094	624	1,088	122	680	23,235
2000	1,637	3,112	3,640	517	(688)	(562)	543	1,896	(3)	795	803	801	12,491
Total	156,474	217,953	250,101	236,886	164,122	131,771	129,344	124,821	53,969	50,416	54,458	113,153	1,683,468
Maximum	19,079	34,907	37,912	40,391	30,900	25,533	18,659	17,163	7,454	6,473	5,718	14,810	183,940
Minimum	551	472	446	(51)	(1,854)	(1,528)	(4,348)	(2,100)	(363)	(1,509)	(1,397)	669	2,408
Mean	3,402	4,738	5,437	5,040	3,492	2,804	2,752	2,656	1,148	1,073	1,159	2,408	36,107
Mean CFS	55	85	88	85	57	47	45	43	19	17	19	39	50

REPORT OF THE KERN RIVER WATERMASTER

MARCH 2001

Quantities in S.F.D. except where noted

DAY	ISABELLA		RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT- KERN INFLOW
	ELEVATION (FEET)	ACRE-FEET	S.F.D.	LOSS			STORAGE+LOSS +1ST POINT +FLOW ABOVE	KERN RIVER					FRIANT- KERN		
Previous Day	2553.33	130,927	66,009	9	389	1	399	399	66,009	50,791	1	0	0	0	0
1	2553.32	130,876	65,983	20	352	1	347	346	65,982	50,764	3	0	0	0	0
2	2553.32	130,876	65,983	16	327	1	344	348	65,986	50,768	3	0	0	0	0
3	2553.32	130,876	65,983	20	330	2	352	368	66,002	50,784	3	0	0	0	0
4	2553.33	130,927	66,009	14	366	2	408	374	65,994	50,776	2	0	0	0	0
5	2553.32	130,876	65,983	23	364	2	363	383	65,988	50,770	4	4	4	0	0
6	2553.29	130,725	65,907	6	446	2	378	391	65,925	50,707	1	81	81	0	0
7	2553.29	130,725	65,907	16	413	2	431	408	65,902	50,684	3	30	30	0	0
8	2553.28	130,674	65,882	21	415	3	414	428	65,891	50,673	3	36	36	0	0
9	2553.27	130,624	65,856	17	446	2	439	438	65,864	50,646	3	64	64	0	0
10	2553.27	130,624	65,856	20	440	2	462	450	65,852	50,634	3	53	53	0	0
11	2553.27	130,624	65,856	19	428	2	449	432	65,835	50,617	3	36	36	0	0
12	2553.25	130,524	65,806	19	415	2	386	419	65,818	50,600	3	37	37	0	0
13	2553.24	130,474	65,781	26	419	3	423	414	65,784	50,566	4	46	46	0	0
14	2553.24	130,474	65,781	30	400	2	432	435	65,787	50,569	5	31	31	0	0
15	2553.24	130,474	65,781	24	424	2	450	456	65,793	50,575	4	44	44	0	0
16	2553.25	130,524	65,806	28	430	3	486	479	65,811	50,593	5	38	38	0	0
17	2553.27	130,624	65,856	23	425	2	500	507	65,868	50,650	4	30	30	0	0
18	2553.30	130,775	65,932	27	429	3	535	549	65,958	50,740	4	21	21	0	0
19	2553.36	131,078	66,085	31	426	2	612	610	66,109	50,891	5	0	0	0	0
20	2553.42	131,382	66,238	37	489	3	682	686	66,266	51,048	6	0	0	0	0
21	2553.49	131,736	66,417	27	554	3	763	748	66,430	51,212	4	0	0	0	0
22	2553.58	132,192	66,647	26	542	2	800	781	66,641	51,423	4	0	0	0	0
23	2553.69	132,752	66,929	32	463	3	780	787	66,930	51,712	5	0	0	0	0
24	2553.81	133,363	67,237	30	440	3	781	796	67,253	52,035	5	0	0	0	0
25	2553.95	134,080	67,599	33	429	3	827	809	67,597	52,379	5	0	0	0	0
26	2554.09	134,798	67,961	35	420	2	819	829	67,969	52,751	6	0	0	0	0
27	2554.24	135,572	68,351	35	414	3	842	851	68,368	53,150	5	0	0	0	0
28	2554.40	136,399	68,768	47	427	3	894	898	68,789	53,571	7	0	0	0	0
29	2554.59	137,386	69,265	34	423	3	957	986	69,315	54,097	5	0	0	0	0
30	2554.81	138,535	69,845	40	484	3	1,107	1,057	69,845	54,627	6	0	0	0	0
31	2555.04	139,743	70,454	41	512	3	1,165	1,165	70,454	55,236	6	0	0	0	0
TOTAL SECOND FOOT DAYS				817	13,292	74	18,628	18,628	70,454	55,236	129	551	551	0	0
TOTAL ACRE-FEET				1,620	26,364	147	36,948	36,948	139,743	109,559	256	1,093	1,093	0	0

By: *APD* Date: April 24, 2001

REPORT OF THE KERN RIVER WATERMASTER

MARCH 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

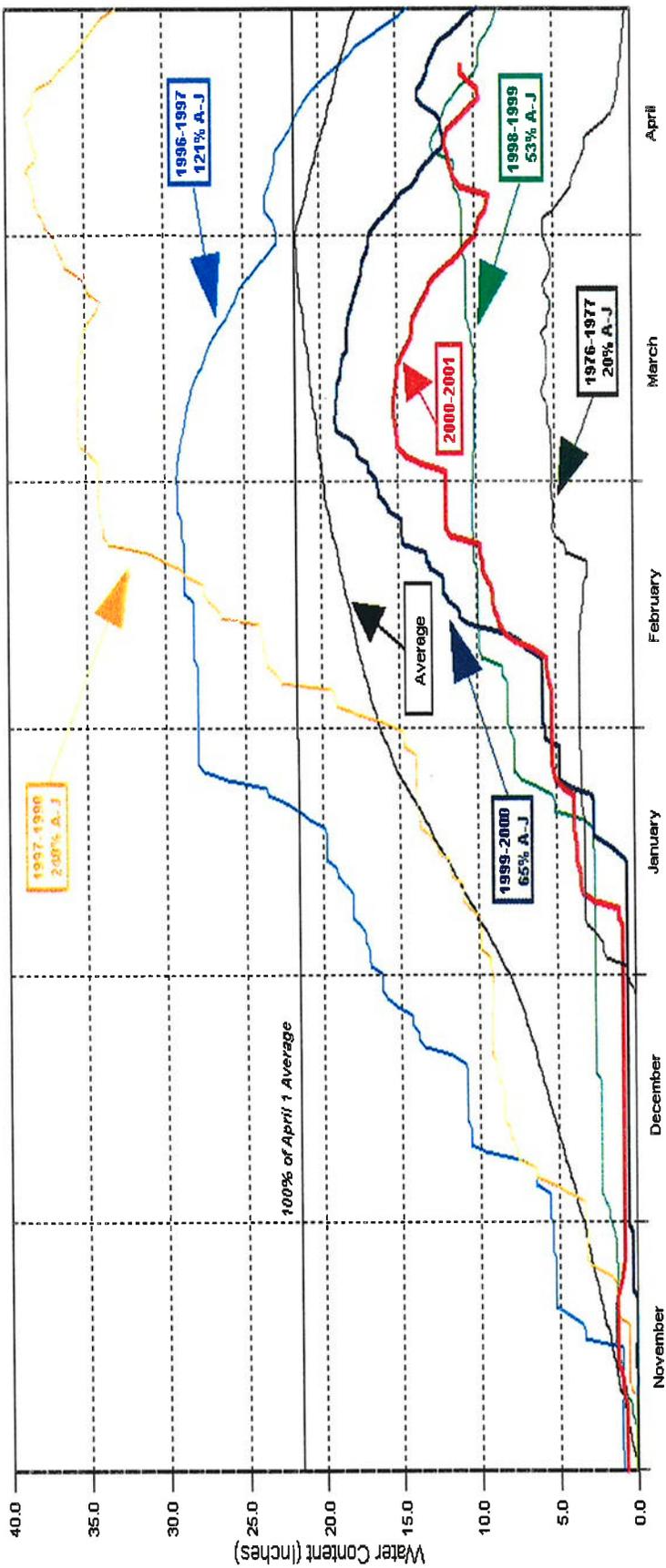
HACIENDA WATER DISTRICT

DAY	FLOW ABOVE 1ST POINT										FLOW ABOVE 1ST POINT										FLOW ABOVE 1ST POINT												
	ENTL AT 1ST POINT		FLOW		VALLEY		CAL		WATER		OLCESE		RESERVOIR		ENTL AT 2ND POINT		VIA		VIA/FOR		FOR		AT 2ND POINT		HACIENDA		RESERVOIR		LOSS		STORAGE		DAY
Previous Day	399	385	0	0	0	1	0	0	0	0	0	5	24,033	0	0	4	4	0	0	0	0	0	0	0	0	0	4	26,758	0	0	0	0	
1	331	348	1	0	0	0	0	0	0	0	0	10	24,005	15	4	4	0	0	0	0	0	0	0	0	0	0	10	26,759	0	0	0	1	
2	333	323	0	0	1	0	0	0	0	0	8	24,006	15	4	4	0	0	0	0	0	0	0	0	0	0	0	8	26,762	0	0	0	2	
3	346	320	0	0	1	1	0	0	0	0	10	24,020	22	3	3	0	7	0	0	0	0	0	0	0	0	10	26,764	0	0	0	3		
4	350	346	1	0	0	0	0	0	0	0	7	24,016	24	3	3	0	17	0	0	0	0	0	0	0	0	7	26,760	0	0	0	4		
5	357	343	0	0	1	1	0	0	0	0	12	24,016	26	3	3	0	14	4	0	0	0	0	0	0	0	11	26,754	0	0	0	5		
6	362	361	1	0	1	0	0	0	0	0	3	24,012	29	4	4	0	0	0	0	0	0	0	0	0	0	3	26,695	0	0	0	6		
7	374	379	0	0	0	1	0	0	0	0	8	23,997	34	4	4	0	0	0	0	0	0	0	0	0	0	8	26,687	0	0	0	7		
8	387	373	1	0	0	0	0	0	0	0	11	23,998	41	6	6	0	0	0	0	0	0	0	0	0	0	10	26,675	0	0	0	8		
9	394	377	0	1	1	0	0	0	0	0	9	24,004	44	5	5	0	0	0	0	0	0	0	0	0	0	8	26,642	0	0	0	9		
10	402	383	1	0	0	0	0	0	0	0	10	24,011	48	4	4	0	0	0	0	0	0	0	0	0	0	10	26,623	0	0	0	10		
11	390	388	0	0	1	0	0	0	0	0	10	24,002	42	4	4	0	0	0	0	0	0	0	0	0	0	9	26,615	0	0	0	11		
12	381	374	1	0	0	0	0	0	0	0	10	23,997	38	4	4	0	0	0	0	0	0	0	0	0	0	9	26,603	0	0	0	12		
13	378	369	0	0	1	1	0	0	0	0	13	23,991	36	4	4	0	0	0	0	0	0	0	0	0	0	13	26,575	0	0	0	13		
14	392	365	1	0	1	0	0	0	0	0	16	24,000	43	4	4	0	0	0	0	0	0	0	0	0	0	14	26,569	0	0	0	14		
15	406	378	0	0	1	1	0	0	0	0	12	24,014	50	2	2	0	0	0	0	0	0	0	0	0	0	12	26,561	0	0	0	15		
16	422	388	1	0	1	0	0	0	0	0	15	24,031	57	4	4	0	0	0	0	0	0	0	0	0	0	13	26,562	0	0	0	16		
17	441	387	0	1	0	0	0	0	0	0	12	24,071	66	8	8	0	0	0	0	0	0	0	0	0	0	11	26,579	0	0	0	17		
18	470	388	1	0	0	0	0	0	0	0	14	24,137	79	8	8	12	0	21	1	1	1	13	26,603	0	0	13	26,603	0	0	0	18		
19	511	393	1	0	0	0	0	0	0	0	16	24,237	99	8	8	25	0	0	0	0	0	0	0	0	0	15	26,654	0	0	0	19		
20	563	463	1	0	1	0	0	0	0	0	19	24,315	123	13	13	13	0	0	0	0	0	0	0	0	0	18	26,733	0	0	0	20		
21	605	501	1	0	0	0	0	0	0	0	14	24,403	143	9	9	44	0	0	0	0	0	0	0	0	0	13	26,809	0	0	0	21		
22	628	492	1	0	1	0	0	0	0	0	13	24,524	153	13	13	37	0	0	0	0	0	0	0	0	0	13	26,899	0	0	0	22		
23	632	416	1	1	0	0	0	0	0	0	17	24,720	155	9	9	38	0	0	0	0	0	0	0	0	0	15	26,992	0	0	0	23		
24	638	395	1	0	1	0	0	0	0	0	16	24,945	158	7	7	38	0	0	0	0	0	0	0	0	0	14	27,090	0	0	0	24		
25	647	387	1	0	1	1	0	0	0	0	17	25,185	162	3	3	39	0	0	0	0	0	0	0	0	0	16	27,194	0	0	0	25		
26	661	381	1	0	0	0	0	0	0	0	18	25,445	168	7	7	32	0	0	0	0	0	0	0	0	0	17	27,306	0	0	0	26		
27	676	408	1	0	1	0	0	0	0	0	18	25,693	175	6	6	0	0	0	0	0	0	0	0	0	0	17	27,457	0	0	0	27		
28	708	421	1	0	1	0	0	0	0	0	25	25,952	190	6	6	0	0	0	0	0	0	0	0	0	0	22	27,619	0	0	0	28		
29	768	414	1	0	1	0	0	0	0	0	21	26,285	218	9	9	0	0	0	0	0	0	0	0	0	0	16	27,812	0	0	0	29		
30	816	479	1	1	0	0	0	0	0	0	18	26,599	241	5	5	0	0	0	0	0	0	0	0	0	0	19	28,028	0	0	0	30		
31	890	482	1	0	1	1	0	0	0	0	22	26,982	275	7	7	23	0	0	0	0	0	0	0	0	0	19	28,254	0	0	0	31		
S.F.D.	15,659	12,222	22	4	20	18	424	26,982	2,969	180	301	38	551	10	393	28,254	0	0	0	0	0	0	0	0	0	393	56,041	0	0	0	0	0	0
AC.FT.	31,059	24,242	44	9	39	35	840	53,518	5,889	357	597	75	1,093	20	780	56,041	0	0	0	0	0	0	0	0	0	780	112,082	0	0	0	0	0	0
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS													
1,510,637										1,655,473										1,855,473													

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
March	3-5	2	BWSD FLOW - FOR ID4	Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/Kern County Water Agency - ID4 letter agreement dated April 23, 2001.
March	18	2	BWSD FLOW - VIA/FOR CWD	Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/Cawelo Water District letter agreement dated April 2, 2001.

KERN RIVER BASIN SNOWPACK ACCUMULATION EIGHT SENSOR INDEX

April 23, 2001



Quantities in S.F.D. except where noted

APRIL 2001

REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	CHANGE IN STORAGE+LOSS		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY					
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET		IRRIGATION	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)				TOTAL	RIVER			KERN							
Previous Day	2555.04	139,743	70,454	41	1,165	512	3	1,165	70,454	55,236	6	0	0	0	0					
1	2555.25	140,854	71,014	55	1,181	564	2	1,210	71,043	55,825	8	0	0	0	1					
2	2555.47	142,022	71,603	45	1,267	630	3	1,219	71,584	56,366	7	0	0	0	2					
3	2555.68	143,142	72,167	27	1,209	616	2	1,176	72,115	56,897	4	0	0	0	3					
4	2555.85	144,054	72,627	26	1,053	564	3	1,045	72,567	57,349	4	0	0	0	4					
5	2555.95	144,592	72,899	41	874	558	3	924	72,889	57,671	6	0	0	0	5					
6	2556.04	145,077	73,143	27	845	571	3	903	73,191	57,973	4	9	0	0	6					
7	2556.19	145,889	73,552	2	989	575	3	877	73,488	58,270	0	17	0	0	7					
8	2556.30	146,485	73,853	15	797	478	3	838	73,830	58,612	2	0	0	0	8					
9	2556.39	146,975	74,100	25	728	453	3	747	74,096	58,878	4	4	0	0	9					
10	2556.48	147,466	74,347	28	715	437	3	702	74,330	59,112	4	0	0	0	10					
11	2556.55	147,848	74,540	25	662	441	3	671	74,532	59,314	4	0	0	0	11					
12	2556.61	148,176	74,705	28	636	440	3	664	74,725	59,507	4	0	0	0	12					
13	2556.69	148,615	74,927	32	693	436	3	662	74,916	59,698	4	0	0	0	13					
14	2556.76	148,999	75,120	36	656	424	3	681	75,134	59,916	5	0	0	0	14					
15	2556.84	149,439	75,342	36	695	434	3	696	75,357	60,139	5	0	0	0	15					
16	2556.93	149,935	75,592	44	736	439	3	739	75,610	60,392	6	0	0	0	16					
17	2557.04	150,542	75,898	45	787	433	3	780	75,909	60,691	6	0	0	0	17					
18	2557.16	151,208	76,234	53	816	423	4	800	76,229	61,011	7	0	0	0	18					
19	2557.29	151,929	76,598	2	797	428	3	845	76,641	61,423	0	0	0	0	19					
20	2557.46	152,878	77,076	2	922	439	3	904	77,101	61,883	0	0	0	0	20					
21	2557.64	153,886	77,584	17	993	465	3	933	77,549	62,331	2	0	0	0	21					
22	2557.78	154,672	77,981	29	885	456	3	931	77,992	62,774	4	0	0	0	22					
23	2557.93	155,519	78,408	33	916	453	3	950	78,453	63,235	4	0	0	0	23					
24	2558.11	156,537	78,921	43	1,050	491	3	1,020	78,936	63,718	6	0	0	0	24					
25	2558.31	157,675	79,495	43	1,093	472	4	1,125	79,542	64,324	6	17	17	0	25					
26	2558.53	158,932	80,128	58	1,233	539	3	1,250	80,192	64,974	7	87	87	0	26					
27	2558.80	160,484	80,911	65	1,425	574	3	1,397	80,947	65,729	8	82	82	0	27					
28	2559.11	162,278	81,815	57	1,532	568	3	1,517	81,836	66,618	7	89	89	0	28					
29	2559.44	164,201	82,785	38	1,594	582	4	1,573	82,785	67,567	5	90	90	0	29					
30	2559.76	166,079	83,732	58	1,588	580	3	1,588	83,732	68,514	7	62	62	0	30					
TOTAL SECOND FOOT DAYS											1,035	14,963	91	29,367	29,367	140	457	457	0	0
TOTAL ACRE-FEET											2,063	29,679	180	58,249	58,249	278	906	906	0	0

By:  Date: May 25, 2001

REPORT OF THE KERN RIVER WATERMASTER

APRIL 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE 1ST POINT				FLOW				RESERVOIR				RESERVOIR							
	ENTL AT 1ST POINT	FLOW AT 1ST POINT	VALLEY WATER SERVICE	CAL GOLF COURSE	ENTL AT 2ND POINT	VIA KWD	VIA CWD	AT 2ND POINT	HACIENDA INC.	LOSS	STORAGE	LOSS	STORAGE	LOSS	STORAGE	LOSS	STORAGE	DAY		
Previous Day	890	482	1	0	275	7	23	0	0	19	28,254	0	28,254	0	0	0	0	0		
1	921	559	1	0	289	5	0	0	0	26	28,512	0	28,512	0	0	0	0	1		
2	927	627	1	0	292	3	0	0	0	21	28,780	0	28,780	0	0	0	0	2		
3	897	608	1	0	279	8	0	0	0	13	29,038	0	29,038	0	0	0	0	3		
4	808	554	1	0	237	10	0	0	0	12	29,253	0	29,253	0	0	0	0	4		
5	725	549	1	0	199	9	0	0	0	19	29,424	0	29,424	0	0	0	0	5		
6	711	556	1	0	192	6	0	9	0	13	29,588	0	29,588	0	0	0	0	6		
7	693	556	1	0	184	2	0	17	0	1	29,752	0	29,752	0	0	0	0	7		
8	667	478	1	0	171	0	0	0	0	7	29,916	0	29,916	0	0	0	0	8		
9	605	448	1	0	142	1	0	4	0	12	30,041	0	30,041	0	0	0	0	9		
10	574	436	1	0	128	1	0	0	0	13	30,155	0	30,155	0	0	0	0	10		
11	553	436	1	1	118	5	0	0	0	12	30,256	0	30,256	0	0	0	0	11		
12	548	436	1	0	116	4	0	0	0	13	30,355	0	30,355	0	0	0	0	12		
13	547	430	1	0	115	6	0	0	0	15	30,449	0	30,449	0	0	0	0	13		
14	560	420	1	0	121	4	0	0	0	17	30,549	0	30,549	0	0	0	0	14		
15	570	434	1	0	126	0	0	0	0	17	30,658	0	30,658	0	0	0	0	15		
16	599	435	1	0	140	4	0	0	0	21	30,773	0	30,773	0	0	0	0	16		
17	627	430	1	0	153	3	0	0	0	21	30,902	0	30,902	0	0	0	0	17		
18	641	419	1	1	159	4	0	0	0	25	31,032	0	31,032	0	0	0	0	18		
19	672	425	1	0	173	3	0	0	0	1	31,201	0	31,201	0	0	0	0	19		
20	712	434	1	0	192	5	0	0	0	1	31,387	0	31,387	0	0	0	0	20		
21	732	465	1	0	201	0	0	0	0	8	31,580	0	31,580	0	0	0	0	21		
22	730	456	1	0	201	0	0	0	0	14	31,767	0	31,767	0	0	0	0	22		
23	743	449	1	0	207	4	0	0	0	16	31,954	0	31,954	0	0	0	0	23		
24	791	488	1	0	229	3	0	0	0	20	32,160	0	32,160	0	0	0	0	24		
25	863	451	1	1	262	4	0	17	0	20	32,381	0	32,381	0	0	0	0	25		
26	948	448	1	0	302	4	0	87	0	27	32,565	0	32,565	0	0	0	0	26		
27	1,048	484	1	0	349	8	0	82	0	31	32,793	0	32,793	0	0	0	0	27		
28	1,130	471	1	0	387	8	0	89	0	27	33,056	0	33,056	0	0	0	0	28		
29	1,168	486	1	1	405	6	0	90	0	18	33,347	0	33,347	0	0	0	0	29		
30	1,178	511	1	0	410	7	0	62	0	27	33,661	0	33,661	0	0	0	0	30		
S.F.D.	22,888	14,379	30	5	29	27	547	34,853	6,479	127	0	457	0	488	33,661	0	0	S.F.D.		
AC.FT.	45,398	28,521	60	10	57	53	1,085	69,129	12,851	252	0	906	0	968	66,766	0	0	AC.FT.		
															TOTAL ACRE-FOOT STORAGE DAYS	1,839,242	TOTAL ACRE-FOOT STORAGE DAYS	1,791,918	TOTAL ACRE-FOOT STORAGE DAYS	0

WATERMASTER NOTES *** KERN RIVER BULLETIN

PAGE NO.

DAY(S)

MONTH

TITLE OF COLUMN

COMMENT

April

None

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

YEAR	BIGHORN PLATEAU	COTTONWOOD PASS	SIBERIAN PASS	CRABTREE MEADOW	GUYOT FLAT	SANDY MEADOWS	TYNDALL CREEK	BIG WHITNEY MEADOW	ROCK CREEK	ROUND MEADOW	RAMSHAW MEADOWS	LITTLE WHITNEY MEADOW	CASA VIEJA MEADOWS	QUINN RANGER STATION	BONITA MEADOWS	BEACH MEADOWS	BASIN WIDE AVERAGE	A-J RUNOFF IN PERCENT OF AVERAGE	
1948																			
1949	132	3.8	6.6	128	120	128	127	116	9.8	18.5	4.4	5.2	10.6	14.6	10.5	6.8	8.6	52%	
1950	210	10.9	18.5	178	188	183	168	161	16.9	30.2	10.5	9.4	10.8	15.0	15.0	10.3	13.1	45%	
1951	173	8.3	12.5	9.7	11.8	11.5	10.5	9.7	7.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	7.1	16.6	65%
1952	432	32.2	35.0	37.7	35.6	35.6	34.2	35.3	35.3	53.9	30.9	33.2	44.9	49.1	32.5	25.2	37.1	56%	241%
1953	168	9.4	14.1	12.7	14.2	12.3	12.9	12.3	12.1	18.4	6.3	9.2	11.7	17.4	8.2	5.3	12.1	17.4	71%
1954	220	11.8	18.0	16.8	18.0	16.8	18.7	15.7	18.3	29.2	12.2	17.0	23.5	21.3	15.4	10.1	17.8	17.8	76%
1955	147	8.1	11.6	13.4	15.3	13.1	13.4	10.7	12.3	14.9	7.0	8.0	11.3	8.5	6.5	3.3	11.1	11.1	48%
1956	333	12.6	26.7	26.7	27.6	25.1	24.3	21.7	23.0	22.3	9.0	13.5	15.1	12.8	8.9	0.0	18.9	11.3	63%
1957	143	11.7	14.1	11.8	12.9	10.5	11.2	11.5	10.0	14.7	6.8	7.1	10.9	14.4	26.6	21.6	10.5	10.5	63%
1958	259	20.5	25.0	23.5	25.3	24.5	24.0	22.7	23.7	39.2	17.0	21.2	30.9	26.6	6.3	0.0	17.9	17.9	113%
1959	118	4.7	9.0	9.0	9.7	7.3	9.2	8.4	8.7	6.0	5.6	6.8	8.4	5.7	1.8	0.0	7.0	28%	28%
1960	60	3.8	6.0	7.1	7.8	4.5	4.3	8.3	4.8	20.2	2.0	2.5	9.1	11.9	6.9	2.7	8.4	36%	36%
1961	60	3.8	6.0	7.1	7.8	4.5	4.3	8.3	4.8	20.2	2.0	2.5	9.1	11.9	6.9	2.7	8.4	36%	36%
1962	37.4	27.0	31.8	35.5	35.5	32.6	31.4	30.7	30.6	40.5	0.0	0.0	32.1	27.6	2.1	0.0	4.6	19%	19%
1963	19.7	17.5	16.1	17.1	17.2	17.0	17.0	13.5	12.6	12.6	--	--	11.0	35.3	27.6	21.3	32.0	111%	103%
1964	5.1	1.5	3.9	4.8	5.4	5.4	4.8	4.3	5.8	15.1	--	--	8.1	5.7	5.7	1.0	13.5	103%	103%
1965	258	13.1	16.4	20.1	18.0	19.8	17.8	13.7	15.0	25.2	8.6	11.4	17.0	10.8	5.2	2.7	6.1	39%	39%
1966	15.7	7.1	14.0	12.9	15.3	11.9	13.2	11.6	10.9	18.5	5.3	6.9	14.2	10.6	10.3	7.0	16.0	11.5	47%
1967	37.1	25.2	32.9	32.9	35.9	30.6	30.0	30.3	30.4	19.4	13.5	20.3	27.8	14.5	14.5	3.0	25.5	199%	199%
1968	14.1	8.9	12.6	12.3	14.0	11.8	11.6	12.6	11.1	17.5	7.6	6.2	12.9	9.7	8.6	4.1	11.0	53%	53%
1969	55.3	41.1	48.4	48.5	50.6	46.3	48.6	45.0	45.8	69.8	38.1	46.1	61.4	50.2	50.2	36.8	49.5	376%	376%
1970	17.0	9.1	12.6	16.4	14.7	16.1	14.6	11.4	12.5	16.7	4.5	7.2	13.4	6.1	6.1	4.1	11.8	69%	69%
1971	15.7	7.6	12.6	11.7	13.2	11.9	13.1	10.8	11.1	21.2	3.3	5.5	14.0	15.9	9.4	3.4	11.2	53%	53%
1972	7.6	2.5	6.6	6.3	7.6	5.2	3.4	5.4	4.1	4.8	0.0	0.0	3.4	2.2	0.0	0.0	3.7	28%	28%
1973	33.6	24.4	30.0	31.7	33.7	31.3	31.8	27.2	30.4	42.7	24.1	28.2	31.7	40.8	28.1	22.3	30.8	156%	156%
1974	25.4	13.2	20.6	20.5	22.6	19.0	19.1	18.1	29.8	14.3	14.8	14.8	21.2	22.0	--	10.1	19.4	115%	115%
1975	18.9	9.7	15.0	16.9	17.6	16.2	15.1	15.9	16.1	26.8	11.6	14.0	20.7	22.3	--	10.3	16.5	83%	83%
1976	5.9	4.4	5.8	3.3	5.4	3.3	4.7	5.5	3.6	11.9	0.9	0.0	7.2	6.3	6.7	2.2	4.8	23%	23%
1977	5.0	4.8	4.0	4.7	4.8	3.2	3.5	4.9	3.1	10.8	2.1	0.0	--	2.0	3.6	0.0	3.7	21%	21%
1978	43.1	40.1	40.1	39.7	41.7	40.1	40.6	37.3	39.6	46.8	31.9	37.6	41.1	43.7	32.2	23.6	38.7	256%	256%
1979	19.9	13.2	17.5	18.2	17.5	17.7	18.8	14.7	14.2	14.2	12.2	14.2	--	--	18.2	14.9	16.9	90%	90%
1980	40.9	29.4	34.4	34.3	35.1	34.5	35.7	29.5	33.5	25.0	21.6	27.4	30.0	36.7	18.7	16.2	30.2	213%	213%
1981	15.3	11.8	14.8	14.1	14.8	14.1	15.8	10.9	12.8	17.4	8.6	9.6	14.6	15.7	12.3	7.2	13.0	54%	54%
1982	32.4	17.4	24.6	23.2	24.3	24.1	26.3	20.3	23.7	31.0	15.2	19.0	28.2	23.0	--	11.6	23.0	172%	172%
1983	48.9	34.9	45.0	45.3	49.2	46.9	43.7	38.6	44.7	63.4	33.2	37.6	48.1	52.1	48.2	30.6	44.0	333%	333%
1984	21.9	9.7	15.4	20.1	17.6	18.1	17.0	12.9	13.8	15.7	2.1	2.6	11.9	9.4	2.1	0.0	11.9	91%	91%
1985	18.6	17.2	20.5	17.2	20.8	16.3	15.5	14.6	18.9	26.2	14.6	15.0	25.5	19.1	17.7	10.8	18.3	91%	91%
1986	45.1	34.1	39.3	39.3	38.6	37.3	35.1	34.8	36.5	44.2	22.8	25.4	35.0	29.8	21.3	11.6	32.6	191%	191%
1987	11.3	7.6	8.9	9.3	11.5	9.2	11.0	7.8	8.1	15.8	6.3	8.3	9.8	17.3	9.0	1.3	9.5	46%	46%
1988	9.6	5.3	7.8	8.8	8.9	8.9	9.0	4.0	6.3	7.2	0.0	0.0	2.7	2.4	0.4	0.0	5.1	35%	35%
1989	15.3	10.2	13.0	12.3	15.7	13.3	11.0	14.4	14.1	21.7	7.3	11.5	17.2	12.9	14.6	5.2	13.1	50%	50%
1990	7.5	1.9	6.1	6.6	7.2	4.9	7.9	6.2	4.0	9.9	0.9	2.2	--	--	4.9	0.0	4.8	24%	24%
1991	19.7	14.1	17.5	14.1	16.9	17.1	17.2	15.1	17.0	24.7	11.6	14.6	14.0	21.0	15.0	7.0	16.2	60%	60%
1992	12.7	13.2	11.7	12.2	10.7	12.2	12.0	9.1	9.9	21.0	7.7	8.0	10.8	12.8	11.0	4.0	11.1	39%	39%
1993	33.7	19.6	29.9	27.6	30.2	27.7	29.3	26.4	28.8	41.0	19.8	22.5	30.0	32.1	24.0	14.5	27.3	126%	126%
1994	13.4	6.7	11.3	13.6	11.2	11.5	11.5	8.8	10.6	14.3	5.9	7.1	10.2	7.3	3.2	3.2	9.7	41%	41%
1995	35.3	30.5	34.8	35.3	33.0	33.0	32.5	30.5	32.2	44.4	23.3	26.4	33.7	51.0	26.6	14.5	32.3	199%	199%
1996	29.6	17.0	23.0	24.6	23.4	25.9	25.9	18.6	21.9	31.0	12.5	16.5	25.5	21.0	18.9	9.8	21.0	128%	128%
1997	32.5	26.7	26.4	28.1	26.1	26.1	26.1	19.0	23.7	26.1	13.2	16.5	23.0	22.1	9.0	2.1	20.9	122%	122%
1998	36.9	26.7	30.8	33.1	31.6	33.7	33.7	27.9	30.6	--	22.9	26.3	--	--	--	--	30.5	235%	235%
1999	12.3	5.7	10.6	10.7	11.0	9.5	10.0	10.4	8.5	20.3	5.0	6.0	13.5	8.0	6.9	0.6	9.3	53%	53%
2000	22.0	13.8	17.0	17.9	19.2	16.9	19.4	14.2	17.2	23.8	9.9	13.1	18.7	17.4	11.7	6.1	16.1	65%	65%
2001	13.1	14.5	14.6	12.7	12.7	11.5	12.6	12.8	10.5	15.3	9.3	8.9	11.5	10.2	10.8	3.4	11.5	54% (e)	54% (e)
MAXIMUM	55.3	41.1	48.4	48.5	50.6	46.9	48.6	45.0	45.8	69.8	38.1	46.1	61.4	59.8	50.2	36.8	49.5		
MINIMUM	5.0	1.5	3.9	3.3	4.8	3.2	3.4	4.0	3.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	3.7		
AVERAGE	22.3	14.4	18.8	18.9	20.3	18.6	18.9	16.8	17.6	24.7	11.2	13.4	19.3	18.8	13.6	8.0	17.2		

REPORT OF THE KERN RIVER WATERMASTER

MAY 2001

PAGE 1 of 5

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET			S.F.D. LOSS	STORAGE +1ST POINT		-FLOW ABOVE 1ST POINT	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)			IRRIGATION	KERN RIVER	
Previous Day	2559.76	166,079	83,732	58	3	1,588	1,588	83,732	68,514	7	62	62	0	0
1	2560.12	168,210	84,806	68	5	1,757	1,851	84,900	69,682	8	60	60	0	0
2	2560.57	170,887	86,161	74	5	2,040	1,901	86,116	70,898	9	73	73	0	0
3	2560.98	173,370	87,407	61	5	1,905	1,870	87,327	72,109	7	48	48	0	0
4	2561.31	175,375	88,418	61	5	1,664	1,717	88,391	73,173	7	22	22	0	0
5	2561.61	177,211	89,344	60	5	1,583	1,639	89,373	74,155	7	9	9	0	0
6	2561.93	179,183	90,338	66	5	1,671	1,723	90,419	75,201	7	6	6	0	0
7	2562.33	181,666	91,590	66	5	1,914	1,902	91,659	76,441	7	0	0	0	0
8	2562.79	184,549	93,044	78	5	2,121	2,129	93,121	77,903	8	0	0	0	0
9	2563.31	187,842	94,704	84	5	2,352	2,330	94,759	79,541	9	0	0	0	0
10	2563.88	191,494	96,545	81	5	2,517	2,463	96,546	81,328	8	0	0	0	0
11	2564.46	195,254	98,441	59	5	2,521	2,525	98,446	83,228	6	0	0	0	0
12	2565.04	199,058	100,358	54	5	2,537	2,414	100,240	85,022	5	0	0	0	0
13	2565.50	202,109	101,897	46	5	2,184	2,198	101,793	86,575	4	0	0	0	0
14	2565.84	204,380	103,042	79	5	1,874	1,955	103,019	87,801	7	0	0	0	0
15	2566.16	206,533	104,127	66	6	1,806	1,944	104,242	89,024	6	0	0	0	0
16	2566.58	209,379	105,562	88	6	2,151	2,171	105,697	90,479	8	0	0	0	0
17	2567.12	213,072	107,424	81	6	2,557	2,408	107,410	92,192	7	74	74	0	0
18	2567.63	216,597	109,201	95	6	2,516	2,420	109,091	93,873	8	88	88	0	0
19	2568.05	219,524	110,677	88	6	2,187	2,272	110,652	95,434	7	90	90	0	0
20	2568.45	222,935	112,094	97	6	2,112	2,149	112,106	96,888	8	88	88	0	0
21	2568.85	225,166	113,521	96	6	2,147	2,153	113,539	98,321	8	80	80	0	0
22	2569.23	227,876	114,888	90	6	2,199	2,159	114,866	99,648	7	76	76	0	0
23	2569.56	230,244	116,081	103	6	2,131	2,124	116,052	100,834	8	77	77	0	0
24	2569.86	232,410	117,173	106	6	2,043	2,078	117,179	101,961	8	82	82	0	0
25	2570.17	234,660	118,308	117	6	2,059	2,019	118,274	103,056	9	82	82	0	0
26	2570.46	236,777	119,375	119	6	1,956	1,937	119,322	104,104	9	76	76	0	0
27	2570.70	238,537	120,262	107	6	1,797	1,833	120,245	105,027	9	77	77	0	0
28	2570.92	240,157	121,079	116	7	1,746	1,739	121,055	105,837	8	82	82	0	0
29	2571.12	241,634	121,824	87	6	1,673	1,644	121,771	106,553	7	79	79	0	0
30	2571.26	242,671	122,347	98	6	1,514	1,567	122,347	107,129	7	79	79	0	0
31	2571.38	243,564	122,797	113	7	1,493	1,493	122,797	107,579	8	82	82	0	0
TOTAL SECOND FOOT DAYS			2,604	20,884	174	62,727	62,727	122,797	107,579	231	1,430	1,430	0	0
TOTAL ACRE-FEET			5,165	41,423	345	124,417	124,417	243,564	213,380	458	2,836	2,836	0	0

By: *Ad* Date: June 19, 2001

REPORT OF THE KERN RIVER WATERMASTER

MAY 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

Previous Day	FLOW ABOVE 1ST POINT										FLOW ABOVE 1ST PT. CARMEL			FLOW ABOVE 1ST PT. Lr			RESERVOIR LOSS	STORAGE	DAY										
	KERN		VALLEY		CAL		WATER		OLCESE		RESERVOIR		HACIENDA		RESERVOIR														
	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	LAKE MING	VALLEY COURSE	WATER SERVICE	WD	LOSS	STORAGE	ENT'L AT 2ND POINT	VIA KDW	VIA CWD				AT 2ND POINT	HACIENDA INC.	RESERVOIR LOSS	STORAGE											
1	1,178	511	1	0	1	1	1	1	1	1	31	34,853	410	7	0	62	0	0	27	33,661	0	0							
2	1,358	542	1	1	2	1	1	2	1	1	37	35,627	493	8	0	60	0	0	31	34,055	0	0							
3	1,392	526	1	0	2	2	2	2	2	2	40	36,448	509	7	0	73	0	0	34	34,450	0	0							
4	1,371	539	1	1	2	1	1	2	1	1	33	37,242	499	6	0	48	0	0	28	34,867	0	0							
5	1,266	559	1	0	2	2	2	2	2	2	33	37,911	451	6	0	22	0	0	28	35,262	0	0							
6	1,213	576	1	1	2	1	1	2	1	1	33	38,510	426	7	0	9	0	0	27	35,645	0	0							
7	1,270	589	1	0	2	2	2	2	2	2	36	39,150	453	11	0	6	0	0	30	36,051	0	0							
8	1,392	574	1	1	2	1	1	2	1	1	36	39,927	510	17	0	0	0	0	30	36,514	0	0							
9	1,539	568	1	0	2	2	2	2	2	2	43	40,850	590	16	0	0	0	0	35	37,053	0	0							
10	1,663	593	1	0	2	2	2	2	2	2	46	41,869	667	10	0	0	0	0	38	37,672	0	0							
11	1,745	582	1	0	2	2	2	2	2	2	44	42,983	718	8	0	0	0	0	37	38,345	0	0							
12	1,783	553	1	0	2	2	2	2	2	2	33	44,175	742	8	0	0	0	0	26	39,053	0	0							
13	1,715	550	1	0	2	2	2	2	2	2	30	45,305	699	11	0	0	0	0	24	39,717	0	0							
14	1,582	587	1	1	2	1	1	2	1	1	25	46,270	616	7	0	0	0	0	21	40,305	0	0							
15	1,429	635	1	0	2	2	2	2	2	2	44	47,015	526	10	0	0	0	0	35	40,786	0	0							
16	1,421	638	1	1	2	1	1	2	1	1	37	47,755	523	11	0	0	0	0	29	41,269	0	0							
17	1,565	608	1	1	2	2	2	2	2	2	49	48,657	606	14	0	0	0	0	39	41,822	0	0							
18	1,711	524	2	0	2	2	2	2	2	2	45	49,793	697	10	0	74	0	0	36	42,399	0	0							
19	1,719	538	1	1	2	2	2	2	2	2	53	50,915	701	12	0	88	0	0	42	42,958	0	0							
20	1,627	518	2	0	2	2	2	2	2	2	49	51,969	645	9	0	90	0	0	39	43,465	0	0							
21	1,551	497	1	1	2	1	1	2	1	1	54	52,963	598	7	0	88	0	0	43	43,925	0	0							
22	1,554	531	2	0	2	2	2	2	2	2	54	53,926	599	7	0	80	0	0	42	44,395	0	0							
23	1,568	652	1	1	2	2	2	2	2	2	51	54,775	601	8	0	76	0	0	39	44,873	0	0							
24	1,536	744	2	0	2	2	2	2	2	2	58	55,503	588	8	0	77	0	0	45	45,331	0	0							
25	1,507	745	1	1	2	2	2	2	2	2	60	56,199	571	12	0	82	0	0	46	45,762	0	0							
26	1,471	707	2	0	2	2	2	2	2	2	66	56,891	548	12	0	82	0	0	51	46,165	0	0							
27	1,416	679	1	1	2	2	2	2	2	2	67	57,555	521	9	0	76	0	0	52	46,549	0	0							
28	1,281	714	1	1	3	2	2	2	2	2	61	58,121	488	8	0	77	0	0	46	46,906	0	0							
29	1,216	747	2	0	2	2	2	2	2	2	66	58,615	458	10	0	82	0	0	50	47,222	0	0							
30	1,164	793	1	1	2	2	2	2	2	2	50	59,028	428	9	0	79	0	0	37	47,525	0	0							
31	1,113	829	2	1	2	2	2	2	2	2	56	59,337	403	15	0	79	0	0	42	47,792	0	0							
S.F.D.	45,473	19,149	39	15	63	57	1,453	59,550	17,254	305	0	1,430	0	1,151	48,029	0	0	0	0	0	0	0							
AC.F.T.	90,194	37,982	77	30	125	113	2,882	118,116	34,223	605	0	2,836	0	2,283	95,264	0	0	0	0	0	0	0							
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
2,984,793										2,984,793										2,551,064									

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

May None

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

In Order of Magnitude

Rank	Year	May Runoff (AcFt)	April-July Runoff (AcFt)	April-July Average % of									
1	2001	124,417	240,000	51%	51.8%	240,000	51%	124,417	240,000	51%	51.8%	240,000	51%
2	1924	41,722	92,556	20%	45.1%	92,556	20%	41,722	92,556	20%	45.1%	92,556	20%
3	1947	110,325	249,572	53%	44.2%	249,572	53%	110,325	249,572	53%	44.2%	249,572	53%
4	1976	47,151	108,754	23%	43.4%	108,754	23%	47,151	108,754	23%	43.4%	108,754	23%
5	1897	281,839	654,262	139%	43.0%	654,262	139%	281,839	654,262	139%	43.0%	654,262	139%
6	1931	41,867	98,062	21%	42.7%	98,062	21%	41,867	98,062	21%	42.7%	98,062	21%
7	1926	98,598	232,782	49%	42.4%	232,782	49%	98,598	232,782	49%	42.4%	232,782	49%
8	2000	129,406	306,496	65%	42.2%	306,496	65%	129,406	306,496	65%	42.2%	306,496	65%
9	1992	74,394	179,153	38%	41.5%	179,153	38%	74,394	179,153	38%	41.5%	179,153	38%
10	1937	352,050	852,047	180%	41.3%	852,047	180%	352,050	852,047	180%	41.3%	852,047	180%
11	1919	140,215	342,997	73%	40.9%	342,997	73%	140,215	342,997	73%	40.9%	342,997	73%
12	1949	84,508	209,911	44%	40.3%	209,911	44%	84,508	209,911	44%	40.3%	209,911	44%
13	1973	288,652	723,768	153%	39.9%	723,768	153%	288,652	723,768	153%	39.9%	723,768	153%
14	1946	155,476	390,747	83%	39.8%	390,747	83%	155,476	390,747	83%	39.8%	390,747	83%
15	1928	76,885	193,702	41%	39.7%	193,702	41%	76,885	193,702	41%	39.7%	193,702	41%
16	1954	139,719	354,117	75%	39.5%	354,117	75%	139,719	354,117	75%	39.5%	354,117	75%
17	1979	164,935	419,859	89%	39.3%	419,859	89%	164,935	419,859	89%	39.3%	419,859	89%
18	1922	242,259	617,710	131%	39.2%	617,710	131%	242,259	617,710	131%	39.2%	617,710	131%
19	1929	85,995	219,532	46%	39.2%	219,532	46%	85,995	219,532	46%	39.2%	219,532	46%
20	1941	386,666	995,657	211%	38.8%	995,657	211%	386,666	995,657	211%	38.8%	995,657	211%
21	1952	434,789	1,119,815	237%	38.8%	1,119,815	237%	434,789	1,119,815	237%	38.8%	1,119,815	237%
22	1895	268,635	694,729	147%	38.7%	694,729	147%	268,635	694,729	147%	38.7%	694,729	147%
23	1940	196,465	510,614	108%	38.5%	510,614	108%	196,465	510,614	108%	38.5%	510,614	108%
24	1984	161,613	423,132	90%	38.2%	423,132	90%	161,613	423,132	90%	38.2%	423,132	90%
25	1958	316,974	831,669	176%	38.1%	831,669	176%	316,974	831,669	176%	38.1%	831,669	176%
26	1975	147,001	386,180	82%	38.1%	386,180	82%	147,001	386,180	82%	38.1%	386,180	82%
27	1936	219,404	581,624	123%	37.7%	581,624	123%	219,404	581,624	123%	37.7%	581,624	123%
28	1996	225,987	599,331	127%	37.7%	599,331	127%	225,987	599,331	127%	37.7%	599,331	127%
29	1999	95,199	252,627	53%	37.7%	252,627	53%	95,199	252,627	53%	37.7%	252,627	53%
30	1997	214,290	571,476	121%	37.5%	571,476	121%	214,290	571,476	121%	37.5%	571,476	121%
31	1966	82,336	219,893	47%	37.4%	219,893	47%	82,336	219,893	47%	37.4%	219,893	47%
32	1934	43,065	116,145	25%	37.1%	116,145	25%	43,065	116,145	25%	37.1%	116,145	25%
33	1944	150,109	405,391	86%	37.0%	405,391	86%	150,109	405,391	86%	37.0%	405,391	86%
34	1920	158,904	430,813	91%	36.9%	430,813	91%	158,904	430,813	91%	36.9%	430,813	91%
35	1943	254,785	697,182	148%	36.5%	697,182	148%	254,785	697,182	148%	36.5%	697,182	148%
36	1981	91,914	252,681	54%	36.4%	252,681	54%	91,914	252,681	54%	36.4%	252,681	54%
37	1910	127,733	352,126	75%	36.3%	352,126	75%	127,733	352,126	75%	36.3%	352,126	75%
38	1923	120,849	332,532	70%	36.3%	332,532	70%	120,849	332,532	70%	36.3%	332,532	70%
39	1988	58,350	162,043	34%	36.0%	162,043	34%	58,350	162,043	34%	36.0%	162,043	34%
40	1972	45,965	127,720	27%	36.0%	127,720	27%	45,965	127,720	27%	36.0%	127,720	27%
41	1948	86,108	239,980	51%	35.9%	239,980	51%	86,108	239,980	51%	35.9%	239,980	51%
42	1904	113,205	316,646	67%	35.8%	316,646	67%	113,205	316,646	67%	35.8%	316,646	67%
43	1987	75,108	211,408	45%	35.5%	211,408	45%	75,108	211,408	45%	35.5%	211,408	45%
44	1927	184,721	521,717	110%	35.4%	521,717	110%	184,721	521,717	110%	35.4%	521,717	110%
45	1968	87,991	248,319	53%	35.4%	248,319	53%	87,991	248,319	53%	35.4%	248,319	53%
46	1969	617,968	1,747,874	370%	35.4%	1,747,874	370%	617,968	1,747,874	370%	35.4%	1,747,874	370%
47	1994	67,224	191,004	40%	35.2%	191,004	40%	67,224	191,004	40%	35.2%	191,004	40%
48	1900	68,295	196,888	42%	34.7%	196,888	42%	68,295	196,888	42%	34.7%	196,888	42%
49	1913	73,561	211,722	45%	34.7%	211,722	45%	73,561	211,722	45%	34.7%	211,722	45%
50	1960	58,336	168,472	36%	34.6%	168,472	36%	58,336	168,472	36%	34.6%	168,472	36%
51	1985	146,799	424,293	90%	34.6%	424,293	90%	146,799	424,293	90%	34.6%	424,293	90%
52	1970	110,057	319,408	68%	34.5%	319,408	68%	110,057	319,408	68%	34.5%	319,408	68%
53	1945	205,509	597,350	126%	34.4%	597,350	126%	205,509	597,350	126%	34.4%	597,350	126%
54	1939	92,253	268,269	57%	34.4%	268,269	57%	92,253	268,269	57%	34.4%	268,269	57%
55	1993	200,864	584,691	124%	34.4%	584,691	124%	200,864	584,691	124%	34.4%	584,691	124%
56	1974	183,733	535,166	113%	34.3%	535,166	113%	183,733	535,166	113%	34.3%	535,166	113%
57	1961	29,980	87,374	19%	34.3%	87,374	19%	29,980	87,374	19%	34.3%	87,374	19%
58	1990	36,600	113,344	24%	34.1%	113,344	24%	36,600	113,344	24%	34.1%	113,344	24%
59	1964	61,521	182,928	39%	33.6%	182,928	39%	61,521	182,928	39%	33.6%	182,928	39%
60	1894	98,801	295,400	63%	33.4%	295,400	63%	98,801	295,400	63%	33.4%	295,400	63%
61	1898	45,213	135,303	29%	33.4%	135,303	29%	45,213	135,303	29%	33.4%	135,303	29%
62	1978	363,157	1,094,375	232%	33.2%	1,094,375	232%	363,157	1,094,375	232%	33.2%	1,094,375	232%
63	1903	132,097	398,989	84%	33.1%	398,989	84%	132,097	398,989	84%	33.1%	398,989	84%
64	1986	293,335	886,674	188%	33.1%	886,674	188%	293,335	886,674	188%	33.1%	886,674	188%
65	1950	98,483	299,906	64%	32.8%	299,906	64%	98,483	299,906	64%	32.8%	299,906	64%
66	1938	315,044	967,769	204%	32.8%	967,769	204%	315,044	967,769	204%	32.8%	967,769	204%
67	1925	102,016	313,113	66%	32.6%	313,113	66%	102,016	313,113	66%	32.6%	313,113	66%
68	1951	85,039	261,884	55%	32.5%	261,884	55%	85,039	261,884	55%	32.5%	261,884	55%
69	1905	117,748	366,396	78%	32.1%	366,396	78%	117,748	366,396	78%	32.1%	366,396	78%
70	1901	186,446	582,041	123%	32.0%	582,041	123%	186,446	582,041	123%	32.0%	582,041	123%
71	1982	254,985	796,794	169%	32.0%	796,794	169%	254,985	796,794	169%	32.0%	796,794	169%
72	1912	80,471	251,812	53%	32.0%	251,812	53%	80,471	251,812	53%	32.0%	251,812	53%
73	1909	382,617	1,218,975	258%	31.4%	1,218,975	258%	382,617	1,218,975	258%	31.4%	1,218,975	258%
74	1921	100,096	321,325	68%	31.2%	321,325	68%	100,096	321,325	68%	31.2%	321,325	68%
75	1983	478,625	1,545,810	327%	31.0%	1,545,810	327%	478,625	1,545,810	327%	31.0%	1,545,810	327%
76	1955	69,544	224,785	48%	30.9%	224,785	48%	69,544	224,785	48%	30.9%	224,785	48%
77	1914	210,676	685,012	145%	30.8%	685,012	145%	210,676	685,012	145%	30.8%	685,012	145%
78	1989	71,849	234,430	50%	30.6%	234,430	50%	71,849	234,430	50%	30.6%	234,430	50%
79	1959	39,945	130,585	28%	30.6%	130,585	28%	39,945	130,585	28%	30.6%	130,585	28%
80	1908	79,418	260,894	55%	30.4%	260,894	55%	79,418	260,894	55%	30.4%	260,894	55%
81	1956	159,683	525,641	111%	30.4%	525,641	111%	159,683	525,641	111%	30.4%	525,641	111%
82	1916	472,994	1,571,597	333%	30.1%	1,571,597	333%	472,994	1,571,597	333%	30.1%	1,571,597	333%
83	1935	103,787	350,647	74%	29.6%	350,647	74%	103,787	350,647	74%	29.6%	350,647	74%
84	1917	165,062	560,304	119%	29.5%	560,304	119%	165,062	560,304	119%	29		

REPORT OF THE KERN RIVER WATERMASTER

JUNE 2001

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL RECREATION POOL + DEAD STORAGE = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE				ACRE-FEET	S.F.D.					+1ST POINT	+FLOW ABOVE	
Previous Day	2571.38	243,584	122,797	113	923	1,493	1,493	1,493	122,797	8	82	82	0	0
1	2571.50	244,458	123,248	110	913	1,480	1,410	1,410	123,178	8	49	49	0	0
2	2571.54	244,755	123,397	119	995	1,270	1,342	1,342	123,399	9	59	59	0	0
3	2571.56	244,904	123,473	127	1,068	1,277	1,200	1,200	123,398	9	43	43	0	0
4	2571.50	244,458	123,248	117	1,156	1,054	1,081	1,081	123,200	9	61	61	0	0
5	2571.40	243,713	122,872	112	1,170	912	971	971	122,883	8	72	72	0	0
6	2571.32	243,117	122,572	124	1,116	947	938	938	122,574	9	48	48	0	0
7	2571.24	242,525	122,273	114	1,133	954	925	925	122,246	9	110	110	0	0
8	2571.13	241,708	121,861	83	1,197	874	913	913	121,873	6	217	199	0	0
9	2571.01	240,820	121,413	145	1,208	911	884	884	121,398	11	231	210	0	0
10	2570.88	239,861	120,930	132	1,210	866	843	843	120,892	10	228	207	0	0
11	2570.71	238,610	120,299	132	1,246	753	781	781	120,289	10	238	216	0	0
12	2570.51	237,142	119,559	127	1,331	724	736	736	119,561	10	248	227	0	0
13	2570.31	235,680	118,822	117	1,344	730	731	731	118,825	9	302	281	0	0
14	2570.11	234,223	118,087	103	1,365	739	705	705	118,056	8	375	353	0	0
15	2569.88	232,555	117,247	112	1,369	648	668	668	117,236	9	398	375	0	0
16	2569.65	230,893	116,409	109	1,341	618	613	613	116,393	9	440	418	0	0
17	2569.40	229,094	115,502	94	1,379	573	603	603	115,516	8	474	452	0	0
18	2569.13	227,161	114,527	124	1,462	618	588	588	114,511	10	472	464	0	0
19	2568.84	225,095	113,485	123	1,486	573	585	585	113,481	10	479	462	0	0
20	2568.55	223,040	112,449	111	1,481	563	566	566	112,448	9	465	448	0	0
21	2568.28	221,137	111,490	111	1,403	562	553	553	111,480	9	468	454	0	0
22	2568.01	219,244	110,536	125	1,355	533	541	541	110,534	11	476	464	0	0
23	2567.78	217,639	109,726	123	1,207	527	501	501	109,698	11	422	419	0	0
24	2567.57	216,180	108,991	135	1,035	442	464	464	108,985	12	253	253	0	0
25	2567.37	214,796	108,293	109	1,007	425	443	443	108,305	10	170	170	0	0
26	2567.17	213,417	107,598	106	1,043	461	435	435	107,584	9	159	159	0	0
27	2566.97	212,043	106,905	106	1,000	420	439	439	106,910	9	157	157	0	0
28	2566.72	210,333	106,043	99	1,191	435	422	422	106,035	9	185	185	0	0
29	2566.38	208,021	104,877	97	1,473	411	419	419	104,877	9	241	241	0	0
30	2566.05	205,791	103,753	78	1,435	396	396	396	103,753	7	304	304	0	0
TOTAL SECOND FOOT DAYS				3,424	37,119	21,696	21,696	21,696	103,753	276	7,844	7,542	0	0
TOTAL ACRE-FEET				6,791	73,624	392	43,033	43,033	205,791	547	15,559	14,959	0	0

By: *AW* Date: July 24, 2001

REPORT OF THE KERN RIVER WATERMASTER

JUNE 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

FLOW ABOVE 1ST POINT

KERN

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	VALLEY	CAL	LAKE	GOLF	WATER	OLCSE	RESERVOIR		ENT'L AT 2ND POINT	FLOW				RESERVOIR		RESERVOIR											
									WD	LOSS		VIA KDW	VIA CWD	FOR ID4	FOR CARMEL VIA KDW	AT 2ND POINT	LOSS	STORAGE	LOSS	STORAGE	DAY								
1	1,113	829	2	1	2	2	2	2	64	59,550	380	12	0	0	0	82	49	48,029	0	0									
2	1,057	852	1	1	2	2	2	62	59,687	353	12	0	0	0	49	48	48,273	0	0										
3	1,011	921	2	0	2	3	68	59,702	331	15	0	0	0	59	51	48,479	0	0	0										
4	914	1,009	1	1	2	2	72	59,529	286	16	0	0	0	43	55	48,651	0	0	0										
5	833	1,078	2	0	2	2	66	59,212	248	17	0	0	0	61	51	48,770	0	0	0										
6	758	1,080	1	1	2	2	63	58,821	213	18	0	0	0	72	49	48,844	0	0	0										
7	735	1,055	2	0	3	2	70	58,424	203	18	0	0	0	43	54	48,932	0	0	0										
8	726	1,012	1	1	2	2	64	58,068	199	24	0	0	0	97	50	48,960	0	0	0										
9	718	979	2	0	2	2	46	57,755	195	19	0	0	0	199	37	48,900	0	0	0										
10	698	982	1	1	2	2	81	57,384	186	16	0	0	0	210	64	48,796	0	0	0										
11	670	989	2	0	2	3	73	56,985	173	14	0	0	0	207	59	48,689	0	0	0										
12	628	1,009	1	1	2	2	73	56,525	153	21	0	0	0	216	59	48,546	0	0	0										
13	597	1,085	2	0	2	2	70	55,961	139	19	0	0	0	227	57	48,382	0	0	0										
14	594	1,043	1	1	2	2	65	55,441	137	20	0	0	0	281	52	48,166	0	0	0										
15	576	997	2	0	2	2	57	54,957	129	15	0	0	0	353	46	47,881	0	0	0										
16	551	972	2	1	2	2	62	54,467	117	22	0	0	0	375	50	47,551	0	0	0										
17	513	901	2	0	2	2	60	54,013	100	22	0	0	0	418	49	47,162	0	0	0										
18	507	773	2	1	2	2	52	53,688	96	21	133	0	0	452	42	46,610	0	0	0										
19	496	803	2	1	2	2	69	53,305	92	34	161	0	0	464	55	45,988	0	0	0										
20	481	816	2	0	2	2	68	52,909	91	42	166	0	0	462	55	45,354	0	0	0										
21	473	725	2	1	2	2	62	52,507	85	54	165	0	0	448	49	44,723	0	0	0										
22	464	727	2	0	2	3	70	51,846	77	47	117	0	0	464	55	43,470	0	0	0										
23	437	649	2	1	2	2	69	51,558	64	47	71	0	21	419	54	42,922	0	0	0										
24	412	675	2	1	2	2	76	51,212	52	32	73	0	2	253	59	42,555	0	0	0										
25	398	754	2	0	3	2	62	50,787	45	8	75	0	0	170	47	42,300	0	0	0										
26	392	739	2	1	2	2	60	50,373	43	13	89	0	43	159	46	41,993	0	0	0										
27	395	638	2	1	2	2	60	50,063	44	17	100	0	88	157	46	41,629	0	0	0										
28	383	802	2	0	2	3	56	49,581	39	17	95	0	92	185	43	41,236	0	0	0										
29	381	1,099	2	1	2	2	55	48,801	38	19	0	98	16	241	42	40,858	0	0	0										
30	365	1,025	2	1	2	2	44	48,090	31	15	0	91	0	304	34	40,445	0	0	0										
S.F.D.	17,657	27,003	53	18	62	64	1,917	48,090	4,039	711	1,412	189	262	7,542	1,507	40,445	0	0	0										
AC.FT.	35,022	53,559	105	36	124	127	3,802	95,386	8,011	1,410	2,801	375	520	14,959	2,989	80,221	0	0	0										
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
3,240,666										2,735,485										0									

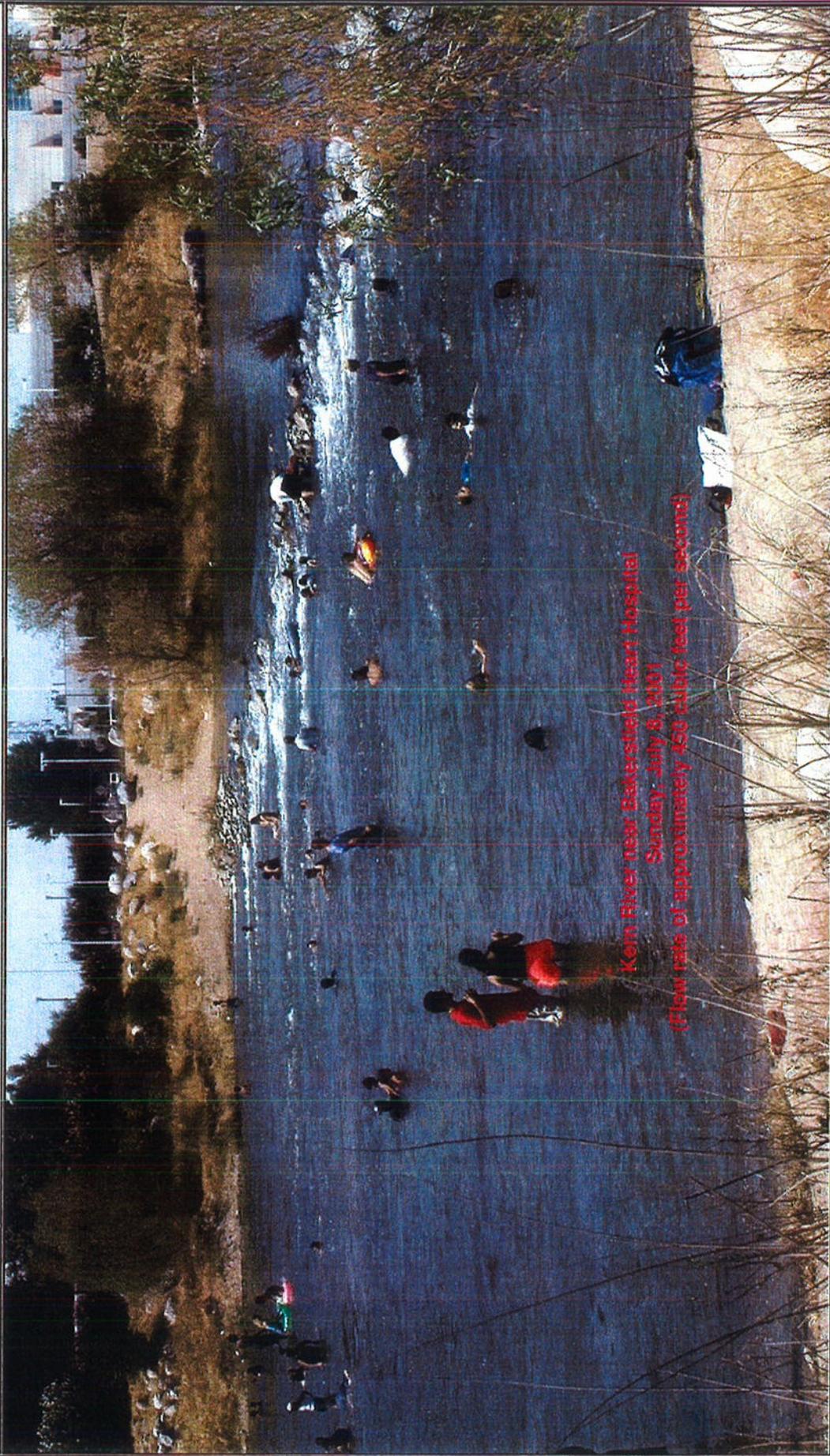
REPORT OF THE KERN RIVER WATERMASTER

JUNE 2001

PAGE 5 of 5

WATERMASTER NOTES * KERN RIVER BULLETIN**

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
June	17	2	BWSD FLOW - VIA CWD	Includes water delivered pursuant to BUENA VISTA WATER STORAGE DISTRICT/Cawelo Water District Water Exchange Agreements dated April 2, 2001 and June 5, 2001.
June	29	2	BWSD FLOW - FOR ID4	Delivered pursuant to Kern County Water Agency (Improvement District No. 4)/BUENA VISTA WATER STORAGE DISTRICT Water Exchange Agreement dated June 27, 2001.



REPORT OF THE KERN RIVER WATERMASTER

JULY 2001

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS +FLOW ABOVE		COMPUTED 1ST POINT NATURAL FLOW	MEAN Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT- KERN INFLOW	DAY	
		ACRE-FEET	S.F.D.	LOSS	LOSS			IRRIGATION	ACFT			RIVER	FRIANT- KERN							
Previous Day	2566.05	205.791	103.753	78	1,435	7	396	396	103.753	88.535	7	304	304	0	0	0	0	0	0	0
1	2565.73	203.644	102.671	122	1,330	7	377	377	102.671	87.453	11	359	349	0	0	0	0	0	0	1
2	2565.41	201.510	101.595	110	1,326	7	367	367	101.616	86.398	11	350	334	0	0	0	0	0	0	2
3	2565.09	199.389	100.525	113	1,381	7	431	436	100.551	85.333	11	379	351	0	0	0	0	0	0	3
4	2564.81	197.544	99.595	106	1,327	7	510	484	99.595	84.377	10	375	346	0	0	0	0	0	0	4
5	2564.51	195.579	98.604	110	1,349	7	475	475	98.604	83.386	11	386	360	0	0	0	0	0	0	5
6	2564.26	193.952	97.784	19	1,440	7	646	646	97.784	82.566	2	397	367	0	0	0	0	0	0	6
7	2564.08	192.785	97.196	58	1,376	7	853	853	97.196	81.978	6	395	366	0	0	0	0	0	0	7
8	2563.92	191.752	96.675	88	1,257	7	831	831	96.675	81.457	9	427	397	0	0	0	0	0	0	8
9	2563.75	190.658	96.123	100	1,151	8	707	707	96.123	80.905	10	321	309	0	0	0	0	0	0	9
10	2563.60	189.695	95.638	93	1,054	7	669	669	95.638	80.420	10	225	213	0	0	0	0	0	0	10
11	2563.42	188.544	95.058	107	996	7	530	523	95.051	79.833	11	182	169	0	0	0	0	0	0	11
12	2563.25	187.462	94.512	90	957	7	508	494	94.491	79.273	9	156	150	0	0	0	0	0	0	12
13	2563.06	186.255	93.904	100	944	8	444	455	93.894	78.676	10	162	160	0	0	0	0	0	0	13
14	2562.88	185.117	93.330	100	879	7	412	414	93.322	78.104	11	180	180	0	0	0	0	0	0	14
15	2562.70	183.984	92.759	110	841	7	387	379	92.743	77.525	12	176	176	0	0	0	0	0	0	15
16	2562.50	182.730	92.126	109	854	7	337	353	92.126	76.908	12	178	178	0	0	0	0	0	0	16
17	2562.30	181.479	91.496	91	867	8	336	336	91.496	76.278	10	159	159	0	0	0	0	0	0	17
18	2562.09	180.174	90.838	94	893	7	336	331	90.833	75.615	10	143	143	0	0	0	0	0	0	18
19	2561.90	178.997	90.244	82	824	8	320	315	90.234	75.016	9	110	110	0	0	0	0	0	0	19
20	2561.70	177.765	89.623	103	799	7	288	291	89.616	74.398	12	97	97	0	0	0	0	0	0	20
21	2561.51	176.597	89.034	97	750	8	266	272	89.033	73.815	11	97	97	0	0	0	0	0	0	21
22	2561.32	175.436	88.449	99	740	8	262	274	88.460	73.242	11	97	97	0	0	0	0	0	0	22
23	2561.12	174.218	87.835	96	805	7	294	278	87.830	72.612	11	83	83	0	0	0	0	0	0	23
24	2560.93	173.067	87.255	98	754	7	279	266	87.237	72.019	11	80	67	0	0	0	0	0	0	24
25	2560.71	171.739	86.585	95	791	8	224	254	86.597	71.379	11	85	69	0	0	0	0	0	0	25
26	2560.48	170.358	85.989	97	848	8	257	246	85.990	70.672	11	120	100	0	0	0	0	0	0	26
27	2560.23	168.865	85.136	114	889	8	258	243	85.122	69.904	14	125	101	0	0	0	0	0	0	27
28	2559.97	167.321	84.358	123	863	7	215	228	84.357	69.139	15	126	103	0	0	0	0	0	0	28
29	2559.71	165.786	83.584	101	876	8	211	212	83.584	68.366	12	133	102	0	0	0	0	0	0	29
30	2559.41	164.026	82.696	112	950	7	181	181	82.696	67.478	14	126	93	0	0	0	0	0	0	30
31	2559.12	162.336	81.844	77	955	8	188	188	81.844	66.626	10	139	110	0	0	0	0	0	0	31
TOTAL SECOND FOOT DAYS				3,014	31,066	228	12,399	12,399	81,844	66,626	328	6,368	5,936	0	0	0	0	0	0	0
TOTAL ACRE-FEET				5,978	61,618	453	24,593	24,593	162,336	132,152	651	12,630	11,773	0	0	0	0	0	0	0

By:  Date: August 24, 2001

REPORT OF THE KERN RIVER WATERMASTER

JULY 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT			ENTL AT 2ND POINT	RESERVOIR STORAGE	LOSS	FLOW				RESERVOIR STORAGE	LOSS	RESERVOIR STORAGE	DAY					
			KERN	VALLEY	CAL				ENTL AT 2ND POINT	VIA KWD	VIA CWD	VIA FOR					VIA CWD	AT 2ND POINT	RESERVOIR STORAGE	LOSS	RESERVOIR STORAGE
1	365	1,025	2	1	2	2	44	48,090	31	15	0	91	0	304	34	40,445	0	0			
2	353	739	2	1	2	2	69	47,628	24	7	0	235	0	349	53	39,825	0	0			
3	360	771	2	0	3	2	62	47,148	28	4	0	217	0	334	48	39,250	0	0			
4	425	746	2	0	3	2	64	46,650	43	7	0	203	0	351	49	38,683	0	0			
5	419	725	2	1	2	2	60	46,262	59	5	0	230	0	346	46	38,115	0	0			
6	536	793	2	0	3	2	63	45,886	56	6	0	258	0	360	47	37,500	0	0			
7	677	711	2	1	2	2	11	45,611	110	3	0	277	0	367	8	36,955	0	0			
8	662	665	2	0	3	2	33	45,537	176	10	0	289	0	366	25	36,441	0	0			
9	578	725	2	1	3	2	51	45,476	169	12	0	183	0	397	37	35,981	0	0			
10	552	828	2	0	3	2	58	45,263	129	13	0	104	0	309	42	35,642	0	0			
11	452	802	2	1	2	2	54	44,926	117	13	0	0	0	213	39	35,494	0	0			
12	432	779	2	0	3	2	62	44,507	71	25	0	0	0	169	45	35,326	0	0			
13	406	757	2	1	3	2	52	44,101	62	28	0	0	0	150	38	35,172	0	0			
14	378	679	2	0	3	2	58	43,684	49	27	0	0	0	160	42	34,992	0	0			
15	354	647	2	1	2	2	58	43,318	36	20	0	0	0	180	42	34,786	0	0			
16	336	549	2	0	3	2	63	42,955	25	18	0	0	0	176	47	34,570	0	0			
17	325	525	2	1	3	2	63	42,672	17	18	8	0	101	178	46	34,236	0	0			
18	321	577	2	0	3	2	52	42,412	11	19	164	0	0	159	39	33,866	0	0			
19	310	532	2	1	3	2	54	42,095	10	8	165	0	0	143	40	33,520	0	0			
20	291	519	2	0	3	2	47	41,818	5	13	169	0	0	110	35	33,198	0	0			
21	272	476	2	1	3	2	60	41,523	0	15	168	0	0	97	43	32,875	0	0			
22	274	475	3	0	3	2	56	41,255	0	17	160	0	0	97	41	32,560	0	0			
23	278	538	2	1	2	2	57	40,989	0	11	157	0	0	97	42	32,253	0	0			
24	266	496	2	0	3	2	56	40,666	0	15	169	0	0	83	40	31,946	0	0			
25	254	528	2	1	3	2	57	40,372	0	19	172	0	0	67	41	31,647	0	0			
26	246	552	3	0	3	2	55	40,035	0	22	172	0	0	69	40	31,344	0	0			
27	243	609	2	1	3	2	56	39,665	0	26	170	0	0	100	41	31,007	0	0			
28	228	611	2	0	3	2	67	39,224	0	30	149	0	0	101	47	30,680	0	0			
29	212	622	2	1	3	2	72	38,762	0	31	118	0	0	103	51	30,377	0	0			
30	181	673	2	0	3	2	59	38,285	0	31	121	0	0	102	42	30,081	0	0			
31	188	645	2	1	3	2	65	37,721	0	33	151	0	0	93	47	29,757	0	0			
S.F.D.	11,202	20,114	64	16	86	62	1,739	37,211	1,197	558	2,361	1,996	101	5,936	1,275	29,415	0	0			
AC-FT.	22,219	39,896	127	32	170	124	3,449	73,808	2,374	1,107	4,683	3,959	200	11,773	2,529	58,344	0	0			
TOTAL ACRE-FOOT STORAGE DAYS													2,625,434	TOTAL ACRE-FOOT STORAGE DAYS			2,097,508	TOTAL ACRE-FOOT STORAGE DAYS			0

WATERMASTER NOTES *** KERN RIVER BULLETIN

COMMENT

PAGE NO.

TITLE OF COLUMN

MONTH DAY(S)

NKWS D - FLOW ABOVE 1ST POINT - CAL WATER SERVICE
 BWSD FLOW - FOR ID4
 BWSD FLOW - CARMEL VIA CWD

Includes inaugural water delivery pursuant to City of Bakersfield/California Water Service Company Agreement for Extraction, Exchange & Delivery of Banked Groundwater dated June 13, 2001.
 Includes water delivered pursuant to Kern County Water Agency (Improvement District No. 4)/BUENA VISTA WATER STORAGE DISTRICT Exchange Agreements dated 6-27-01 and 7-18-01.
 Delivered as per terms of Nickel Family LLC/Cawelo Water District Carmel Water Purchase Agreement dated July 3, 2001.

2
 2
 2

KERN RIVER NATURAL FLOW
 FIRST POINT OF MEASUREMENT
 APRIL - JULY
 1894 TO DATE

YEAR	Quantities in acre-feet											
	APR	MAY	JUN	JUL	TOTAL	AVERAGE						
1894	101,203	139,719	74,553	39,642	354,117	75%						
1905	62,047	117,748	132,766	53,835	366,396	78%						
1896	57,864	86,174	146,124	82,760	372,922	79%						
1975	46,602	147,001	140,660	51,917	386,180	82%						
1902	107,403	109,904	128,853	43,436	389,596	83%						
1946	109,658	155,476	85,880	39,733	390,747	83%						
1903	74,315	132,097	139,222	53,355	398,989	85%						
1944	80,223	150,109	115,862	59,197	405,391	86%						
1979	102,079	164,935	106,112	46,733	419,859	89%						
1984	91,359	161,613	93,114	77,046	423,132	90%						
1985	136,241	146,799	99,658	41,395	424,233	90%						
1920	83,370	158,904	178,240	50,699	430,813	92%						
1915	80,916	154,506	172,324	77,496	455,242	97%						
1965	80,043	131,980	148,357	95,288	456,668	97%						
1963	69,412	137,839	163,944	105,384	476,579	101%						
1940	118,175	196,465	145,503	50,471	510,614	109%						
1962	147,463	195,884	157,253	74,874	515,474	110%						
1927	100,362	184,721	187,638	75,481	521,717	111%						
1942	112,586	150,036	178,754	81,529	522,905	112%						
1956	97,553	159,683	168,876	99,529	526,841	112%						
1932	114,742	154,742	166,404	94,013	526,432	114%						
1917	114,113	183,733	167,740	69,580	535,166	114%						
1974	126,329	165,062	187,638	81,275	560,304	119%						
1997	142,909	214,290	142,358	71,919	571,476	122%						
1936	157,200	219,404	137,028	67,902	581,624	124%						
1906	83,190	186,446	197,792	114,613	582,041	124%						
1993	133,993	200,864	162,420	87,414	584,691	124%						
1945	131,246	205,509	169,002	91,593	597,350	127%						
1996	147,959	225,997	154,883	86,649	599,331	127%						
1922	84,407	242,259	202,395	86,649	617,710	131%						
1897	173,393	281,639	183,995	61,837	654,262	139%						
1907	197,720	199,950	183,995	97,083	678,748	144%						
1914	144,934	210,676	201,064	128,338	685,012	146%						
1895	162,071	268,635	172,890	91,133	694,729	148%						
1943	138,113	254,785	155,650	86,011	679,182	148%						
1971	110,882	188,481	220,376	156,498	701,168	149%						
1982	212,963	254,993	198,748	93,834	725,768	154%						
1958	168,105	316,974	230,066	115,724	766,794	169%						
1937	183,505	352,050	225,395	91,097	852,047	181%						
1986	208,147	332,335	263,794	121,388	866,674	189%						
1967	99,509	289,631	311,053	243,902	924,005	186%						
1995	143,244	255,046	393,129	237,802	929,221	196%						
1938	223,928	315,044	281,880	130,917	961,769	205%						
1990	211,608	287,825	282,877	208,715	991,025	211%						
1941	124,615	386,666	309,960	174,416	995,657	212%						
1978	181,700	363,157	334,625	194,653	1,094,375	233%						
1952	222,633	404,769	372,557	159,856	1,119,815	238%						
1998	169,663	308,440	302,557	267,435	1,137,373	242%						
1909	247,402	367,133	374,086	194,870	1,216,975	259%						
1906	173,143	360,234	458,418	399,841	1,391,636	286%						
1909	206,473	472,625	571,846	288,966	1,545,810	329%						
1916	481,749	472,994	391,706	225,154	1,571,597	334%						
1969	378,333	617,968	496,796	399,841	1,747,874	372%						
MAX	481,749	617,968	571,846	399,841	1,747,874							
MIN	23,391	25,630	14,069	8,225	87,374							
AVG.	99,978	157,243	139,922	73,128	470,271							

In order of Magnitude

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 2001

Quantities in S.F.D. except where noted

DAY	ISABELLA		RESERVOIR		FIRST POINT REGULATED F LOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN Recreation Pool + Dead Storage = 15.218 S.F.D. (30,184 ACFT)	STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT- KERN INFLOW	DAY							
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	S.F.D.	LOSS			+1ST POINT	+FLOW ABOVE 1ST POINT			TOTAL	IRRIGATION			KERN RIVER	FRIANT- KERN									
Previous Day	2559.12	162,336	81,844	77	955	8	188	188	188	81,844	66,626	110	10	139	110	0	0	0							
1	2558.84	160,714	81,027	87	941	7	218	218	218	81,027	65,809	67	11	95	67	0	0	1							
2	2558.58	159,219	80,273	93	903	7	249	903	241	80,265	65,047	43	12	70	43	0	0	2							
3	2558.33	157,789	79,552	92	847	7	225	213	213	79,532	64,314	49	12	68	49	0	0	3							
4	2558.10	156,481	78,893	109	707	7	164	212	212	78,921	63,703	41	14	62	41	0	0	4							
5	2557.92	155,462	78,379	83	672	7	248	207	207	78,366	63,148	52	11	72	52	0	0	5							
6	2557.72	154,336	77,811	95	675	7	209	223	223	77,812	62,594	43	13	64	43	0	0	6							
7	2557.52	153,213	77,245	94	677	7	212	194	194	77,228	62,010	31	13	63	31	0	0	7							
8	2557.28	151,874	76,570	84	746	7	162	199	199	76,590	61,372	14	11	45	14	0	0	8							
9	2557.01	150,376	75,815	114	857	7	223	188	188	75,800	60,582	128	16	157	128	0	0	9							
10	2556.78	149,109	75,176	106	706	7	180	207	207	75,188	59,970	33	15	62	33	0	0	10							
11	2556.55	147,848	74,540	98	749	7	218	199	199	74,533	59,315	36	14	67	36	0	0	11							
12	2556.30	146,485	73,853	99	779	7	198	211	211	73,859	58,641	45	14	75	45	0	0	12							
13	2556.06	145,185	73,197	93	772	7	216	208	208	73,195	57,977	41	13	71	41	0	0	13							
14	2555.81	143,839	72,519	94	787	7	210	183	183	72,490	57,272	47	14	74	47	0	0	14							
15	2555.50	142,182	71,683	86	866	7	123	178	178	71,709	56,491	35	13	58	35	0	0	15							
16	2555.23	140,748	70,960	91	826	7	201	172	172	70,957	55,739	18	14	22	18	0	0	16							
17	2555.00	139,534	70,348	103	693	7	191	182	182	70,336	55,118	0	16	0	0	0	0	17							
18	2554.78	138,378	69,766	81	648	7	154	179	179	69,779	54,561	0	12	0	0	0	0	18							
19	2554.59	137,386	69,265	104	582	7	192	170	170	69,256	54,038	0	16	0	0	0	0	19							
20	2554.39	136,347	68,742	91	589	7	164	176	176	68,745	53,527	0	14	0	0	0	0	20							
21	2554.14	135,056	68,091	108	709	7	173	175	175	68,096	52,878	0	17	0	0	0	0	21							
22	2553.86	133,619	67,366	78	828	7	188	179	179	67,362	52,144	0	12	0	0	0	0	22							
23	2553.59	132,243	66,673	73	789	7	176	184	184	66,677	51,459	0	12	0	0	0	0	23							
24	2553.40	131,281	66,188	70	595	7	187	175	175	66,180	50,962	0	11	0	0	0	0	24							
25	2553.23	130,424	65,755	57	532	7	163	174	174	65,758	50,540	0	9	0	0	0	0	25							
26	2553.07	129,620	65,350	86	483	7	171	167	167	65,349	50,131	0	14	0	0	0	0	26							
27	2552.88	128,670	64,871	86	552	7	166	163	163	64,867	49,649	0	14	0	0	0	0	27							
28	2552.70	127,775	64,420	87	510	7	153	169	169	64,432	49,214	0	15	0	0	0	0	28							
29	2552.56	127,081	64,070	75	455	7	187	162	162	64,057	48,839	0	13	0	0	0	0	29							
30	2552.40	126,292	63,672	81	458	6	147	160	160	63,672	48,454	0	14	0	0	0	0	30							
31	2552.25	125,555	63,301	63	460	7	159	159	159	63,301	48,083	0	11	0	0	0	0	31							
TOTAL SECOND FOOT DAYS														2,761	21,393	216	5,827	5,827	63,301	48,083	410	1,125	723	0	0
TOTAL ACRE-FEET														5,476	42,432	429	11,558	11,558	125,555	95,371	813	2,231	1,435	0	0

By:  Date: September 20, 2001

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENTL AT 1ST			RESERVOIR			ENTL AT 2ND			FLOW				FLOW ABOVE			RESERVOIR			ENTITLEMENT																																							
	POINT	POINT	POINT	LOSS	STORAGE	POINT	VIA	KDWD	POINT	VIA	CWD	VIA	FOR	ID4	KDWD	POINT	AT 2ND	POINT	1ST	POINT	LOSS	STORAGE	CONTRIBUTED BY:	RESERVOIR	LOSS	STORAGE	DAY																																
1	188	645	8	45	37,211	0	52	148	0	110	0	0	0	0	0	0	0	0	0	0	32	29,415		0	0	0	0	1																															
2	218	623	7	51	36,748	0	84	167	0	67	0	0	0	0	0	0	0	0	0	0	36	29,061		0	0	0	0	2																															
3	241	615	7	54	36,313	0	81	164	0	43	0	0	0	0	0	0	0	0	0	0	39	28,734		0	0	0	0	3																															
4	213	560	7	54	35,905	0	77	161	0	49	0	0	0	0	0	0	0	0	0	0	38	28,409		0	0	0	0	4																															
5	212	465	7	64	35,581	0	39	162	0	41	0	0	0	0	0	0	0	0	0	0	45	28,122		0	0	0	0	5																															
6	207	426	7	48	35,307	0	30	164	0	52	0	0	0	0	0	0	0	0	0	0	35	27,841		0	0	0	0	6																															
7	223	427	7	56	35,040	0	42	163	0	43	0	0	0	0	0	0	0	0	0	0	39	27,554		0	0	0	0	7																															
8	194	447	7	55	34,725	0	41	158	0	31	0	0	0	0	0	0	0	0	0	0	39	27,285		0	0	0	0	8																															
9	199	529	7	49	34,339	0	49	140	14	14	0	0	0	0	0	0	0	0	0	0	35	27,033		0	0	0	0	9																															
10	188	535	7	67	33,918	0	40	142	12	128	0	0	0	0	0	0	0	0	0	0	47	26,664		0	0	0	0	10																															
11	207	501	7	62	33,555	0	32	140	0	33	0	0	0	0	0	0	0	0	0	0	44	26,415		0	0	0	0	11																															
12	199	516	7	58	33,173	0	38	159	0	36	0	0	0	0	0	0	0	0	0	0	40	26,142		0	0	0	0	12																															
13	211	540	7	58	32,779	0	35	159	0	45	0	0	0	0	0	0	0	0	0	0	41	25,862		0	0	0	0	13																															
14	208	521	7	54	32,405	0	52	158	0	41	0	0	0	0	0	0	0	0	0	0	39	25,572		0	0	0	0	14																															
15	183	529	7	55	31,997	0	52	159	0	47	0	0	0	0	0	0	0	0	0	0	39	25,275		0	0	0	0	15																															
16	178	618	7	51	31,499	0	54	150	9	35	0	0	0	0	0	0	0	0	0	0	35	24,992		0	0	0	0	16																															
17	172	514	7	53	31,097	0	140	142	12	18	0	0	0	0	0	0	0	0	0	0	38	24,642		0	0	0	0	17																															
18	182	354	7	61	30,857	0	198	141	0	0	0	0	0	0	0	0	0	0	0	0	42	24,261		0	0	0	0	18																															
19	179	332	7	48	30,649	0	175	141	0	0	0	0	0	0	0	0	0	0	0	0	33	23,912		0	0	0	0	19																															
20	170	298	7	61	30,453	0	150	134	0	0	0	0	0	0	0	0	0	0	0	0	43	23,585		0	0	0	0	20																															
21	176	293	7	54	30,275	0	162	134	0	0	0	0	0	0	0	0	0	0	0	0	37	23,252		0	0	0	0	21																															
22	175	394	7	64	29,985	0	96	135	0	84	0	0	0	0	0	0	0	0	0	0	44	22,893		0	0	0	0	22																															
23	179	528	7	46	29,583	0	83	134	5	78	0	0	0	0	0	0	0	0	0	0	32	22,561		0	0	0	0	23																															
24	184	505	7	44	29,211	0	39	132	13	100	0	0	0	0	0	0	0	0	0	0	29	22,248		0	0	0	0	24																															
25	175	436	7	42	28,901	0	18	121	0	20	0	0	0	0	0	0	0	0	0	0	28	22,061		0	0	0	0	25																															
26	174	368	7	34	28,666	0	42	113	0	9	0	0	0	0	0	0	0	0	0	0	23	21,874		0	0	0	0	26																															
27	167	343	7	51	28,432	0	28	112	0	0	0	0	0	0	0	0	0	0	0	0	35	21,699		0	0	0	0	27																															
28	163	383	7	51	28,154	0	50	119	0	0	0	0	0	0	0	0	0	0	0	0	35	21,495		0	0	0	0	28																															
29	169	343	7	52	27,921	0	51	116	0	0	0	0	0	0	0	0	0	0	0	0	35	21,293		0	0	0	0	29																															
30	162	394	7	45	27,637	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	30	21,202		0	0	0	0	30																															
31	159	397	6	48	27,346	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	33	21,108		0	0	0	0	31																															
S.F.D.	5,827	14,157	216	1,628	27,037	0	2,137	4,020	65	291	723	0	1,133	21,046							0	1,133	21,046		0	0	0	S.F.D.																															
AC.FT.	11,558	28,079	429	3,229	53,627	0	4,238	7,973	130	577	1,435	0	2,247	41,744							0	2,247	41,744		0	0	0	AC.FT.																															
TOTAL ACRE-FOOT STORAGE DAYS															TOTAL ACRE-FOOT STORAGE DAYS															TOTAL ACRE-FOOT STORAGE DAYS																													
															1,942,785															1,515,556															0														

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

2001 APRIL-JULY UNIMPAIRED RUNOFF
 Central Valley Streams

April-July Flows
 in 1000 Acre-feet

Watershed	(1) 50-Year Average	Median Forecast as of				(2) 2001 Actual	% of Average
		Feb. 1	Mar. 1	Apr. 1	May 1		
Sacramento River above Bend Bridge	2,451	1,750	1,900	1,650	1,640	1,568	64%
Feather River at Oroville Reservoir	1,831	950	1,100	780	840	825	45%
Yuba River at Smartville	1,029	620	700	530	540	448	44%
American River at Folsom Reservoir	1,261	740	840	580	670	561	44%
Cosumnes River at Michigan Bar	128	70	85	45	55	56	44%
Mokelumne River at Pardoe Reservoir	459	290	320	250	270	235	51%
Stanislaus River at Melones Reservoir	699	450	480	400	460	368	53%
Tuolumne River at Don Pedro Reservoir	1,184	800	840	740	850	702	59%
Merced River at Lake McClure	611	390	440	360	430	371	61%
San Joaquin River at Millerton Lake	1,212	730	830	740	870	795	66%
Kings River at Pine Flat Reservoir	1,183	720	780	700	840	779	66%
Kaweah River at Terminus Reservoir	276	160	190	150	190	188	68%
Tule River at Success Reservoir	59	25	34	22	32	29	49%
KERN RIVER AT ISABELLA RESERVOIR	442	200	240	200	240	247	56%

(1) All 50-year averages are based on data for water years 1946-1995

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

REPORT OF THE KERN RIVER WATERMASTER

SEPTEMBER 2001

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN RECREATION Pool + Dead Storage = 15,218 S.F.D. (30,184 ACF)	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW
	ELEVATION (FEET)	MIDNIGHT STORAGE			ACRE-FEET	S.F.D.						LOSS	LOSS	
Previous Day	2552.25	125,555	63,301	63	159	159	159	63,301	48,083	11	0	0	0	0
1	2552.10	124,820	62,930	74	154	154	160	62,936	47,718	13	0	0	0	0
2	2551.97	124,187	62,611	65	173	173	162	62,606	47,388	11	0	0	0	0
3	2551.83	123,506	62,268	61	160	160	172	62,275	47,057	11	0	0	0	0
4	2551.70	122,877	61,951	79	183	183	170	61,945	46,727	14	0	0	0	0
5	2551.56	122,201	61,610	78	168	168	175	61,611	46,393	14	0	0	0	0
6	2551.42	121,528	61,270	96	174	174	165	61,262	46,044	17	0	0	0	0
7	2551.29	120,905	60,956	76	154	154	161	60,955	45,737	14	0	0	0	0
8	2551.19	120,428	60,716	67	156	156	160	60,719	45,501	12	0	0	0	0
9	2551.09	119,952	60,476	82	169	169	164	60,474	45,256	15	0	0	0	0
10	2550.96	119,335	60,165	67	166	166	156	60,153	44,935	12	0	0	0	0
11	2550.83	118,720	59,855	50	133	133	151	59,861	44,643	9	0	0	0	0
12	2550.72	118,201	59,593	66	153	153	147	59,593	44,375	12	0	0	0	0
13	2550.62	117,731	59,356	63	155	155	154	59,355	44,137	12	0	0	0	0
14	2550.51	117,215	59,096	64	154	154	153	59,094	43,876	12	0	0	0	0
15	2550.41	116,748	58,860	60	150	150	142	58,850	43,632	11	0	0	0	0
16	2550.28	116,141	58,554	69	121	121	139	58,562	43,344	13	0	0	0	0
17	2550.14	115,492	58,227	63	145	145	133	58,223	43,005	12	0	0	0	0
18	2549.98	114,752	57,854	56	133	133	145	57,862	42,644	11	0	0	0	0
19	2549.85	114,153	57,552	63	156	156	145	57,549	42,331	12	0	0	0	0
20	2549.76	113,739	57,343	63	145	145	142	57,337	42,119	12	0	0	0	0
21	2549.67	113,328	57,136	66	126	126	143	57,147	41,929	13	0	0	0	0
22	2549.57	112,870	56,905	59	159	159	144	56,901	41,683	11	0	0	0	0
23	2549.46	112,370	56,653	61	146	146	138	56,641	41,423	12	0	0	0	0
24	2549.33	111,779	56,355	62	110	110	133	56,366	41,148	12	0	0	0	0
25	2549.20	111,192	56,059	72	142	142	132	56,060	40,842	14	0	0	0	0
26	2549.08	110,650	55,786	53	143	143	142	55,786	40,568	11	0	0	0	0
27	2548.96	110,112	55,515	54	141	141	141	55,515	40,297	11	0	0	0	0
28	2548.85	109,618	55,266	48	140	140	140	55,266	40,048	10	0	0	0	0
29	2548.77	109,261	55,086	49	140	140	140	55,086	39,868	10	0	0	0	0
30	2548.68	108,860	54,884	59	146	146	146	54,884	39,666	12	0	0	0	0
TOTAL SECOND FOOT DAYS			1,945	173	4,495	4,495	4,495	54,884	39,666	365	0	0	0	0
TOTAL ACRE-FEET			3,858	344	8,916	8,916	8,916	108,860	78,676	724	0	0	0	0

By: *[Signature]* Date: October 11, 2001

REPORT OF THE KERN RIVER WATERMASTER

SEPTEMBER 2001

Quantities in S.F.D. except where noted

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

DAY	ENTL AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENTL AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW ABOVE 1ST		RESERVOIR STORAGE						
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	POINT	POINT	LOSS	STORAGE	NKWS	BVWS	POINT	POINT	LOSS	STORAGE					
1	159	423	7	38	27,037	0	0	0	0	0	0	25	21,046			0	0	0					
2	160	393	6	44	26,754	0	52	0	0	0	30	20,964			0	0	0	1					
3	162	378	6	39	26,493	0	43	0	0	0	26	20,895			0	0	0	2					
4	170	388	6	47	25,942	0	26	0	0	0	25	20,844			0	0	0	3					
5	175	393	6	46	25,672	0	32	0	0	0	32	20,721			0	0	0	4					
6	165	378	6	56	25,397	0	34	0	0	0	40	20,647			0	0	0	5					
7	161	357	6	45	25,150	0	29	0	0	0	31	20,587			0	0	0	6					
8	160	301	6	39	24,964	0	22	0	0	0	28	20,537			0	0	0	7					
9	164	298	6	48	24,776	0	23	0	0	0	34	20,480			0	0	0	8					
10	156	376	6	39	24,511	0	28	0	0	0	28	20,424			0	0	0	9					
11	151	365	6	29	24,262	0	22	0	0	0	21	20,381			0	0	0	10					
12	147	325	6	38	24,040	0	18	0	0	0	28	20,335			0	0	0	11					
13	154	308	6	37	23,843	0	15	0	0	0	26	20,294			0	0	0	12					
14	153	330	6	37	23,623	0	14	0	0	0	27	20,253			0	0	0	13					
15	142	295	6	35	23,429	0	9	16	0	0	25	20,203			0	0	0	14					
16	139	322	6	40	23,200	0	10	20	0	0	29	20,144			0	0	0	15					
17	133	364	6	36	22,927	0	17	22	0	0	27	20,078			0	0	0	16					
18	145	400	6	32	22,634	0	22	22	0	0	24	20,010			0	0	0	17					
19	145	302	6	36	22,435	0	66	21	0	0	27	19,896			0	0	0	18					
20	142	244	5	36	22,292	0	22	20	0	0	27	19,827			0	0	0	19					
21	143	221	5	38	22,171	0	19	22	0	0	28	19,758			0	0	0	20					
22	144	284	5	34	21,992	0	21	21	0	0	25	19,691			0	0	0	21					
23	138	295	6	35	21,794	0	15	21	0	0	26	19,629			0	0	0	22					
24	133	306	5	35	21,581	0	14	21	0	0	27	19,567			0	0	0	23					
25	132	317	6	41	21,349	0	23	20	0	0	31	19,493			0	0	0	24					
26	142	322	5	30	21,134	0	25	11	0	0	23	19,434			0	0	0	25					
27	141	335	6	31	20,903	0	7	10	0	0	23	19,394			0	0	0	26					
28	140	317	5	27	20,694	0	7	12	0	0	21	19,354			0	0	0	27					
29	140	244	6	28	20,556	0	9	12	0	0	21	19,312			0	0	0	28					
30	146	264	5	33	20,400	0	7	13	0	0	26	19,266			0	0	0	29					
S.F.D.	4,495	9,832	173	1,127	20,400	0	678	284	0	0	818	19,266			0	0	0	30					
AC.FT.	8,916	19,502	344	2,236	40,462	0	1,345	563	0	0	1,622	38,214			0	0	0	S.F.D.					
TOTAL ACRE-FOOT STORAGE DAYS																	1,390,672	TOTAL ACRE-FOOT STORAGE DAYS		1,196,435	TOTAL ACRE-FOOT STORAGE DAYS		0

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH
September

DAY(S)

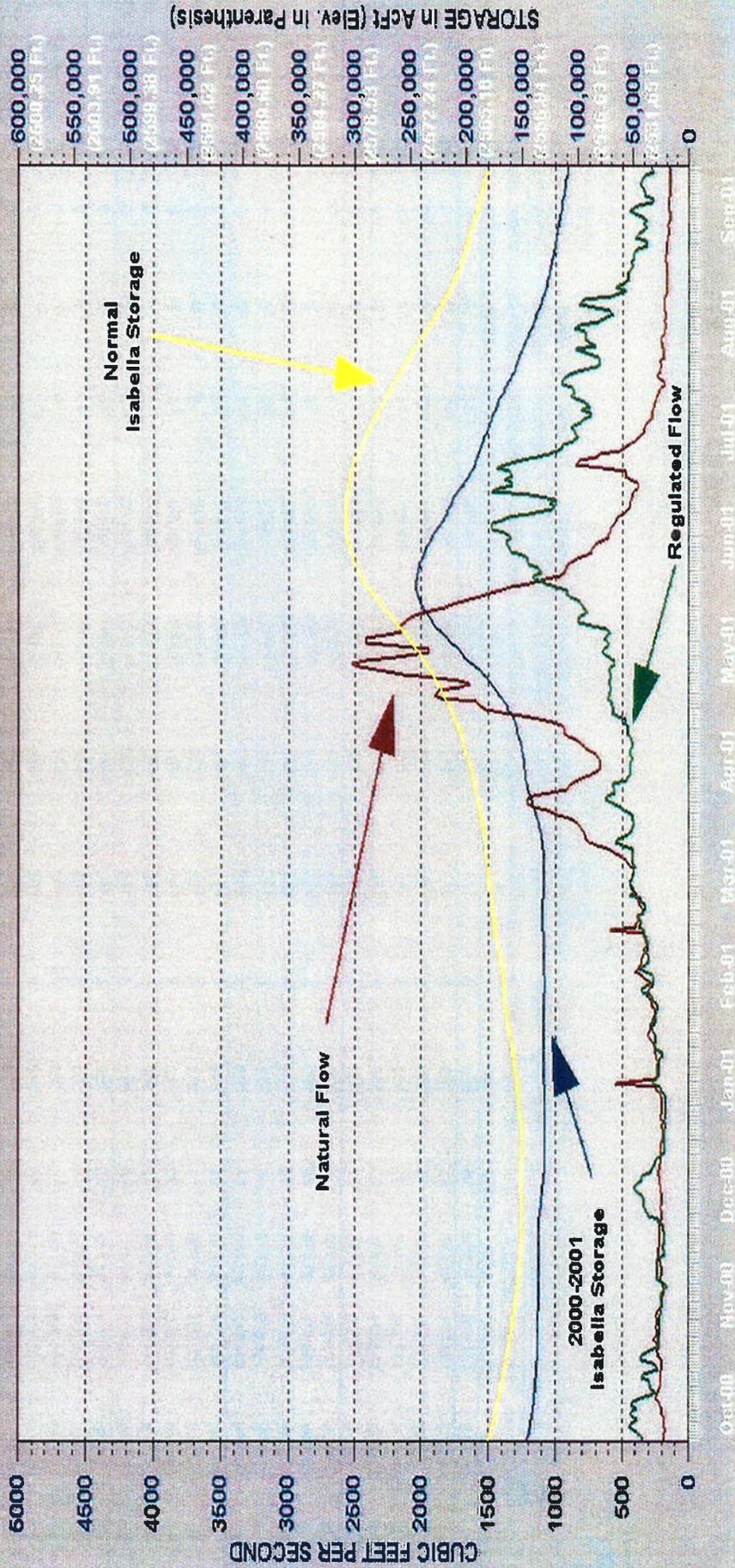
PAGE NO.

TITLE OF COLUMN

COMMENT

None

KERN RIVER NATURAL FLOW, REGULATED FLOW, & ISABELLA RESERVOIR STORAGE 2000 - 2001 WATER YEAR



REPORT OF THE KERN RIVER WATERMASTER

OCTOBER 2001

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENTL AT 1ST		FLOW ABOVE		RESERVOIR		ENTL AT 1ST		FLOW		FLOW ABOVE		RESERVOIR		ENTL		FLOW		FLOW ABOVE		RESERVOIR																																															
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	VIA	VIA	AT 2ND	POINT	POINT	LOSS	STORAGE	POINT	POINT	KDWD	CWD	POINT	POINT	LOSS	STORAGE																																													
1	146	264	5	33	20,400	0	0	7	13	0	0	0	26	19,266	0	0	0	0	0	0	0	0	0	0																																												
2	151	320	5	29	20,197	0	0	11	12	0	0	0	22	19,221	0	0	0	0	0	0	0	0	0	0																																												
3	149	305	5	33	20,003	0	0	16	32	0	0	25	19,148	0	0	0	0	0	0	0	0	0	0	0																																												
4	140	289	4	38	19,667	0	0	17	34	0	0	29	19,068	0	0	0	0	0	0	0	0	0	0	0																																												
5	142	320	4	23	19,462	0	0	21	23	0	0	18	18,923	0	0	0	0	0	0	0	0	0	0	0																																												
6	141	291	5	25	19,282	0	0	16	21	0	0	20	18,866	0	0	0	0	0	0	0	0	0	0	0																																												
7	144	260	5	24	19,137	0	0	15	20	0	0	19	18,812	0	0	0	0	0	0	0	0	0	0	0																																												
8	141	240	4	24	19,010	0	0	15	24	0	0	19	18,754	0	0	0	0	0	0	0	0	0	0	0																																												
9	142	193	4	27	18,928	0	0	13	21	0	0	22	18,698	0	0	0	0	0	0	0	0	0	0	0																																												
10	143	215	5	23	18,828	0	0	20	20	0	0	18	18,640	0	0	0	0	0	0	0	0	0	0	0																																												
11	145	207	4	30	18,732	0	0	20	21	0	0	24	18,575	0	0	0	0	0	0	0	0	0	0	0																																												
12	146	215	4	23	18,636	0	0	18	8	0	0	18	18,531	0	0	0	0	0	0	0	0	0	0	0																																												
13	151	188	5	23	18,571	0	0	13	11	0	0	19	18,488	0	0	0	0	0	0	0	0	0	0	0																																												
14	145	232	4	21	18,459	0	0	13	12	0	0	16	18,447	0	0	0	0	0	0	0	0	0	0	0																																												
15	143	318	4	16	18,264	0	0	13	12	0	0	13	18,409	0	0	0	0	0	0	0	0	0	0	0																																												
16	142	337	4	25	18,040	0	0	5	11	0	0	20	18,373	0	0	0	0	0	0	0	0	0	0	0																																												
17	141	339	4	29	17,809	0	0	6	20	0	0	24	18,323	0	0	0	0	0	0	0	0	0	0	0																																												
18	137	364	4	22	17,556	0	0	8	21	0	0	18	18,276	0	0	0	0	0	0	0	0	0	0	0																																												
19	139	321	3	18	17,353	0	0	8	21	0	0	15	18,232	0	0	0	0	0	0	0	0	0	0	0																																												
20	142	218	4	26	17,247	0	0	7	20	0	0	22	18,183	0	0	0	0	0	0	0	0	0	0	0																																												
21	146	171	4	32	17,186	0	0	0	20	0	0	26	18,137	0	0	0	0	0	0	0	0	0	0	0																																												
22	147	155	4	27	17,147	0	0	0	20	0	0	22	18,095	0	0	0	0	0	0	0	0	0	0	0																																												
23	151	146	4	24	17,124	0	0	0	20	0	0	20	18,055	0	0	0	0	0	0	0	0	0	0	0																																												
24	155	157	3	24	17,095	0	0	0	20	0	0	20	18,015	0	0	0	0	0	0	0	0	0	0	0																																												
25	154	136	4	19	17,090	0	0	0	21	0	0	16	17,978	0	0	0	0	0	0	0	0	0	0	0																																												
26	146	138	3	21	17,074	0	0	0	12	0	0	17	17,949	0	0	0	0	0	0	0	0	0	0	0																																												
27	147	132	4	16	17,069	0	0	0	11	0	0	14	17,924	0	0	0	0	0	0	0	0	0	0	0																																												
28	140	131	4	17	17,057	0	0	0	12	0	0	14	17,898	0	0	0	0	0	0	0	0	0	0	0																																												
29	161	133	4	11	17,070	0	0	0	12	0	0	9	17,877	0	0	0	0	0	0	0	0	0	0	0																																												
30	175	139	4	1	17,101	0	0	0	12	0	0	1	17,864	0	0	0	0	0	0	0	0	0	0	0																																												
31	214	153	4	1	17,157	0	0	0	12	0	0	1	17,851	0	0	0	0	0	0	0	0	0	0	0																																												
S.F.D.	4,609	7,015	128	709	17,157	0	0	274	570	0	0	571	17,851	0	0	0	0	0	0	0	0	0	0	0																																												
AC.F.T.	9,142	13,914	254	1,406	34,030	0	0	543	1,131	0	0	1,133	35,407	0	0	0	0	0	0	0	0	0	0	0																																												
TOTAL ACRE-FOOT STORAGE DAYS																						1,117,108	TOTAL ACRE-FOOT STORAGE DAYS																						1,131,758	TOTAL ACRE-FOOT STORAGE DAYS																						0

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
October	24-31	1	FRIANT-KERN INFLOW	Friant-Kern Inflow to Kern River Channel as per terms of Rosedale-Rio Bravo Water Storage District/Arvin-Edison Water Storage District 1995 Water Banking Agreement.

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

2000-2001 WATER YEAR

Quantities in acre-feet

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
+ Kern River Natural Flow	12,912	12,764	12,688	15,429	19,004	36,948	58,249	124,417	43,033	24,593	11,558	8,916	380,511
- Isabella Reservoir Evaporation	2,499	1,363	1,252	780	551	1,620	2,053	5,165	6,791	5,978	5,476	3,858	37,386
- Into Isabella Storage	0	0	0	652	756	8,817	26,337	77,484	0	0	0	0	114,046
+ From Isabella Storage	10,147	980	4,919	0	0	0	0	0	37,774	43,456	36,779	16,696	150,751
- Kern River via Kern River/ California Aqueduct Intertie	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Absorption within Kern River Service Area	20,560	12,381	16,355	13,997	17,697	26,511	29,859	41,768	74,016	62,071	42,861	21,754	379,830
Accumulative Absorption within Kern River Service Area	20,560	32,941	49,296	63,293	80,990	107,501	137,360	179,128	253,144	315,215	358,076	379,830	379,830

REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 2001

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY				
		MIDNIGHT STORAGE	S.F.D. LOSS			+1ST POINT	+FLOW ABOVE 1ST POINT					KERN RIVER	FRIANT-KERN					
Previous Day	2546.54	99,621	50,226	2	4	214	214	214	50,226	0	0	0	0	0				
1	2546.54	99,621	50,226	19	3	217	208	208	34,999	4	0	0	0	1				
2	2546.52	99,537	50,183	22	2	190	198	198	34,964	5	0	0	0	2				
3	2546.50	99,455	50,142	29	2	188	190	190	34,925	7	0	0	0	3				
4	2546.49	99,413	50,121	17	3	192	184	184	34,896	4	0	0	0	4				
5	2546.48	99,371	50,100	24	2	173	178	178	34,880	5	0	0	0	5				
6	2546.46	99,287	50,057	35	2	170	176	176	34,843	8	0	0	0	6				
7	2546.45	99,246	50,037	25	2	186	183	183	34,820	6	0	0	0	7				
8	2546.44	99,204	50,015	30	2	193	188	188	34,793	7	0	0	0	8				
9	2546.42	99,120	49,973	35	2	184	181	181	34,748	8	0	0	0	9				
10	2546.40	99,037	49,931	15	2	166	174	174	34,714	3	0	0	0	10				
11	2546.38	98,953	49,889	24	2	171	170	170	34,671	5	0	0	0	11				
12	2546.42	99,120	49,973	2	2	286	286	286	34,755	0	0	0	0	12				
13	2546.42	99,120	49,973	20	2	196	205	205	34,764	5	0	0	0	13				
14	2546.43	99,162	49,994	10	2	223	216	216	34,778	2	0	0	0	14				
15	2546.44	99,204	50,015	17	2	230	222	222	34,791	4	0	0	0	15				
16	2546.43	99,162	49,994	17	2	212	213	213	34,771	4	0	0	0	16				
17	2546.41	99,079	49,952	20	2	196	207	207	34,740	5	0	0	0	17				
18	2546.40	99,037	49,931	14	2	212	208	208	34,715	3	0	0	0	18				
19	2546.39	98,995	49,910	25	2	217	212	212	34,689	6	0	0	0	19				
20	2546.39	98,995	49,910	19	2	206	209	209	34,692	4	0	0	0	20				
21	2546.36	98,870	49,847	44	2	203	200	200	34,626	10	0	0	0	21				
22	2546.34	98,787	49,805	20	2	193	196	196	34,587	5	0	0	0	22				
23	2546.36	98,870	49,847	30	2	279	279	279	34,629	7	0	0	0	23				
24	2546.44	99,204	50,015	2	2	394	394	394	34,797	0	0	0	0	24				
25	2546.68	100,209	50,522	22	2	837	837	837	35,304	5	0	0	0	25				
26	2546.66	100,125	50,480	10	2	368	350	350	35,244	2	0	0	0	26				
27	2546.64	100,041	50,437	9	2	315	328	328	35,214	2	0	0	0	27				
28	2546.63	99,999	50,416	2	2	301	306	306	35,198	0	0	0	0	28				
29	2546.70	100,293	50,564	2	2	447	447	447	35,346	0	0	0	0	29				
30	2546.73	100,419	50,628	2	1	365	365	365	35,410	0	0	0	0	30				
TOTAL SECOND FOOT DAYS											562	61	7,710	7,710	126	0	0	0
TOTAL ACRE-FEET											1,115	122	15,293	15,293	250	0	0	0

By: Date: December 20, 2001

REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 2001

Quantities in S.F.D. except where noted

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

DAY	ENT'L AT 1ST POINT		RESERVOIR STORAGE		ENT'L AT 1ST POINT		FLOW			FLOW ABOVE 1ST POINT		ENTITLEMENT Contributed by:		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE		LOSS	S.F.D.	AC.FT.			
	POINT	POINT	LOSS	STORAGE	POINT	POINT	VIA KWD	VIA CWD	VIA AT 2ND POINT	FLOW ABOVE 1ST POINT	RESERVOIR STORAGE	NKWSD	BVWSD	POINT	POINT	LOSS	STORAGE						
1	214	153	4	17,157	0	0	0	0	12	0	0	1	17,851	0	0	0	0	0	0	0			
2	208	169	3	17,183	0	0	0	0	26	0	0	9	17,816	0	0	0	0	0	0	0			
3	198	179	2	17,188	0	0	0	0	30	0	0	10	17,776	0	0	0	0	0	0	0			
4	190	169	2	17,191	0	0	0	0	29	0	0	13	17,734	0	0	0	0	0	0	0			
5	184	166	3	17,197	0	0	0	0	27	0	0	8	17,699	0	0	0	0	0	0	0			
6	178	137	2	17,223	0	0	0	0	31	0	0	11	17,657	0	0	0	0	0	0	0			
7	176	147	2	17,231	0	0	0	0	29	0	0	16	17,612	0	0	0	0	0	0	0			
8	183	149	2	17,249	0	0	0	0	30	0	0	11	17,571	0	0	0	0	0	0	0			
9	188	152	2	17,266	0	0	0	0	31	0	0	13	17,527	0	0	0	0	0	0	0			
10	181	159	2	17,267	0	0	0	0	30	0	0	16	17,481	0	0	0	0	0	0	0			
11	174	162	2	17,269	0	0	0	0	29	0	0	7	17,445	0	0	0	0	0	0	0			
12	170	155	2	17,269	0	0	0	0	32	0	0	11	17,402	0	0	0	0	0	0	0			
13	286	168	2	17,384	0	0	0	0	30	0	0	1	17,371	0	0	0	0	0	0	0			
14	205	141	2	17,435	0	0	0	0	33	0	0	9	17,329	0	0	0	0	0	0	0			
15	216	157	2	17,486	0	0	0	0	33	0	0	4	17,292	0	0	0	0	0	0	0			
16	222	165	2	17,531	0	0	0	0	25	0	0	7	17,260	0	0	0	0	0	0	0			
17	213	213	2	17,519	0	0	0	0	1	0	0	7	17,252	0	0	0	0	0	0	0			
18	207	216	2	17,497	0	0	0	0	0	0	0	9	17,243	0	0	0	0	0	0	0			
19	208	217	2	17,478	0	0	0	0	0	0	0	6	17,237	0	0	0	0	0	0	0			
20	212	211	2	17,463	0	0	0	0	0	0	0	11	17,226	0	0	0	0	0	0	0			
21	209	185	2	17,474	0	0	0	0	0	0	0	8	17,218	0	0	0	0	0	0	0			
22	200	220	2	17,427	0	0	0	0	0	0	0	19	17,199	0	0	0	0	0	0	0			
23	196	213	2	17,397	0	0	0	0	0	0	0	9	17,190	0	0	0	0	0	0	0			
24	279	205	2	17,452	0	0	0	0	0	0	0	13	17,177	0	0	0	0	0	0	0			
25	394	222	2	17,621	0	0	0	0	0	0	0	1	17,176	0	0	0	0	0	0	0			
26	837	306	2	18,138	0	0	0	0	0	0	0	10	17,166	0	0	0	0	0	0	0			
27	350	398	2	18,082	0	0	0	0	0	0	0	4	17,162	0	0	0	0	0	0	0			
28	328	347	2	18,056	0	0	0	0	0	0	0	4	17,158	0	0	0	0	0	0	0			
29	306	318	2	18,041	0	0	0	0	0	0	0	1	17,157	0	0	0	0	0	0	0			
30	447	295	2	18,190	0	0	0	0	0	0	0	1	17,156	0	0	0	0	0	0	0			
31	365	298	1	18,255	0	0	0	0	0	0	0	1	17,155	0	0	0	0	0	0	0			
S.F.D.	7,710	6,239	61	312	18,255	0	0	0	446	0	0	250	17,155	0	0	0	0	0	0	0			
AC.FT.	15,293	12,374	122	619	36,209	0	0	0	885	0	0	496	34,026	0	0	0	0	0	0	0			
TOTAL ACRE-FOOT STORAGE DAYS																	1,042,233	TOTAL ACRE-FOOT STORAGE DAYS		1,033,078	TOTAL ACRE-FOOT STORAGE DAYS		0

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

PRECIPITATION DATA -- ISABELLA DAM & RESERVOIR

OCTOBER 1949 TO DATE
(In Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1949-50	0.05	0.65	1.32	1.37	2.60	1.02	0.44	0.00	0.00	0.00	0.23	0.11	6.00
1950-51	0.06	3.16	0.98	1.12	0.18	0.11	0.93	0.03	0.00	0.00	0.00	0.00	6.59
1951-52	0.35	0.47	4.77	5.52	0.37	3.26	0.12	0.00	0.00	0.00	0.00	0.00	14.97
1952-53	0.00	1.98	3.09	4.77	0.04	0.67	1.20	0.20	0.00	0.00	0.00	0.00	9.66
1953-54	0.13	0.90	2.39	1.88	2.26	2.13	0.06	0.07	0.00	0.00	0.00	0.00	8.23
1954-55	0.00	0.80	1.30	2.47	1.05	0.00	0.67	0.78	0.00	0.00	0.00	0.00	7.07
1955-56	0.00	1.34	4.01	4.25	0.26	0.03	1.51	1.03	0.00	0.00	0.00	0.00	12.03
1956-57	0.42	0.00	0.17	1.88	0.96	0.84	0.84	1.03	0.01	0.02	0.00	0.00	6.05
1957-58	0.19	0.33	1.63	3.09	4.45	3.63	2.77	1.03	0.00	0.00	0.05	0.20	16.58
1958-59	0.17	0.48	0.02	0.64	1.54	0.08	0.45	0.24	0.00	0.00	0.00	0.34	3.79
1959-60	0.00	0.00	0.97	1.77	6.48	0.43	1.28	0.34	0.00	0.00	0.00	0.07	11.34
1960-61	0.12	1.26	0.12	0.50	0.01	1.59	0.16	0.16	0.11	0.02	1.20	0.00	5.60
1961-62	0.20	2.15	0.79	2.55	5.95	0.08	0.00	0.08	0.00	0.00	0.00	0.00	12.18
1962-63	0.03	0.00	0.00	1.52	3.06	2.06	1.07	0.13	0.72	0.00	1.16	1.16	10.91
1963-64	2.02	1.20	0.46	0.97	0.07	1.93	0.84	0.10	0.03	0.00	0.01	0.00	7.63
1964-65	0.47	1.82	3.89	1.75	0.27	1.21	2.58	0.16	0.13	0.39	0.50	0.20	13.49
1965-66	0.00	2.76	0.66	0.66	0.75	0.22	0.00	0.00	0.00	0.00	0.80	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.24	0.30	0.23	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.55	0.77	0.01	0.00	0.01	0.11	0.00	7.38
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.95	0.35	0.34	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.00	0.00	0.02	0.01	0.00	7.67
1970-71	0.04	3.47	2.20	0.54	0.37	0.45	0.66	0.89	0.00	0.06	0.54	0.00	9.22
1971-72	0.05	0.47	3.04	0.00	0.39	0.45	0.37	0.05	0.80	0.00	0.34	0.03	5.54
1972-73	0.66	3.13	2.48	3.96	2.57	2.65	2.65	0.25	0.25	0.00	0.00	0.00	15.95
1973-74	0.11	1.26	1.25	2.75	0.09	2.00	1.95	0.39	0.00	0.78	0.00	0.00	10.58
1974-75	0.10	0.22	2.41	0.65	1.82	2.77	0.49	0.04	0.00	0.00	0.03	1.85	12.46
1975-76	0.41	0.22	0.07	0.02	1.25	1.61	0.86	0.05	0.05	0.00	0.00	0.00	10.10
1976-77	0.23	0.07	0.82	1.50	1.04	0.75	0.00	0.91	0.39	0.00	0.87	0.00	6.98
1977-78	0.02	0.17	5.02	4.51	6.96	3.46	0.87	0.00	0.00	0.03	0.00	1.33	22.37
1978-79	0.02	0.39	0.74	3.24	3.22	2.54	0.00	0.19	0.00	0.00	0.14	0.93	11.44
1979-80	0.95	0.33	0.34	7.71	4.32	1.85	0.51	0.55	0.00	0.00	0.00	0.00	16.56
1980-81	0.09	0.01	0.63	2.65	1.49	3.05	0.23	0.34	0.00	0.00	0.00	0.04	8.53
1981-82	1.05	1.17	1.16	4.04	1.15	4.27	1.59	0.01	0.04	0.00	0.13	0.71	15.32
1982-83	0.78	3.14	3.78	4.31	4.36	5.96	0.58	0.09	0.00	0.00	1.14	0.20	24.34
1983-84	0.63	3.49	3.56	0.00	1.13	0.27	0.51	0.00	0.02	2.01	0.63	0.00	12.25
1984-85	0.62	2.90	1.93	0.68	1.16	1.71	0.51	0.00	0.00	0.00	0.00	0.15	9.18
1985-86	0.10	2.27	1.43	2.94	3.58	3.58	0.10	0.00	0.00	0.38	0.00	0.27	14.65
1986-87	0.24	0.54	0.27	2.65	2.03	1.88	0.10	0.42	0.48	0.00	0.00	0.04	8.65
1987-88	0.62	0.87	1.36	1.80	2.24	2.28	1.41	0.50	0.00	0.51	0.00	0.00	7.76
1988-89	0.00	1.75	3.15	1.00	2.24	2.28	1.41	0.50	0.00	0.00	0.00	0.00	10.46
1989-90	0.11	0.30	0.00	1.53	1.00	0.67	0.44	0.26	0.02	0.00	0.00	0.95	4.48
1990-91	0.01	0.61	0.74	1.17	1.17	6.43	0.03	0.09	0.00	0.00	0.01	0.19	10.27
1991-92	0.53	1.30	1.45	1.02	3.10	1.82	0.00	0.12	0.00	0.00	0.00	0.00	9.34
1992-93	0.94	0.00	2.60	4.09	4.15	0.79	0.00	0.00	0.64	0.00	0.00	0.00	13.41
1993-94	0.12	1.52	1.60	0.66	3.10	0.76	0.87	0.19	0.00	0.00	0.00	0.25	9.07
1994-95	0.31	1.45	0.71	7.26	1.35	3.83	0.38	0.55	0.40	0.00	0.51	0.00	16.75
1995-96	0.00	0.00	1.79	4.36	5.03	1.47	0.53	0.00	0.00	0.00	0.00	0.00	13.18
1996-97	0.66	2.38	4.29	3.90	0.13	0.00	0.00	0.00	0.00	0.08	0.00	1.02	12.46
1997-98	0.40	1.76	1.74	2.72	10.60	2.87	0.52	1.74	0.09	0.00	0.00	0.09	22.53
1998-99	0.12	1.03	0.60	3.82	0.51	0.57	1.65	0.98	0.00	0.04	0.00	0.39	9.71
1999-00	0.00	0.18	0.00	1.55	3.98	0.79	0.79	0.10	0.00	0.00	0.07	0.00	7.23
2000-01	0.51	0.14	0.23	2.28	3.16	0.15	1.86	0.00	0.00	0.42	0.00	0.00	8.75
AVERAGE	0.33	1.16	1.80	2.49	2.19	1.68	0.72	0.25	0.09	0.12	0.17	0.34	11.32
MAXIMUM	2.30	3.49	11.53	9.56	10.60	6.43	2.77	1.74	0.80	2.01	1.20	5.20	24.34
DAILY MAXIMUM	0.96	2.85	5.20	2.40	3.40	1.72	1.45	0.75	0.50	0.88	1.01	3.09	
DATE OF OCCURRENCE	10/17/63	11/20/50	12/05/66	01/16/96	02/01/60	03/04/91	04/02/74	05/26/99	06/08/72	07/16/64	08/08/63	09/30/76	

REPORT OF THE KERN RIVER WATERMASTER

DECEMBER 2001

PAGE 1 of 5

Quantities in S.F.D. except where noted

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FIRST POINT REGULATED F LOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT		SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
		MIDNIGHT STORAGE ACRE-FEET	S.F.D. LOSS			+1ST POINT	+FLOW ABOVE 1ST POINT				IRRIGATION	SECOND POINT	RIVER	FRIANT-KERN	
Previous Day	2546.73	100,419	50,628	298	1	365	365	365	50,628	35,410	0	0	0	0	0
1	2546.74	100,461	50,649	271	1	303	319	319	50,665	35,447	2	0	0	0	1
2	2546.76	100,545	50,691	288	1	352	336	336	50,691	35,473	5	0	0	0	2
3	2546.83	100,840	50,840	333	2	487	487	487	50,840	35,622	1	0	0	0	3
4	2546.82	100,798	50,819	363	1	355	347	347	50,811	35,593	3	0	0	0	4
5	2546.80	100,713	50,776	356	2	330	332	332	50,770	35,552	3	0	0	0	5
6	2546.77	100,587	50,713	363	1	311	327	327	50,723	35,505	2	0	0	0	6
7	2546.77	100,587	50,713	329	2	341	321	321	50,703	35,485	2	0	0	0	7
8	2546.76	100,545	50,691	312	1	312	316	316	50,685	35,467	5	0	0	0	8
9	2546.75	100,503	50,670	304	1	296	297	297	50,665	35,447	3	0	0	0	9
10	2546.74	100,461	50,649	295	1	283	278	278	50,639	35,421	2	0	0	0	10
11	2546.72	100,377	50,607	285	1	254	272	272	50,615	35,397	2	0	0	0	11
12	2546.73	100,419	50,628	250	1	280	263	263	50,619	35,401	2	0	0	0	12
13	2546.73	100,419	50,628	240	2	254	279	279	50,644	35,426	3	0	0	0	13
14	2546.75	100,503	50,670	245	1	303	291	291	50,674	35,456	3	0	0	0	14
15	2546.78	100,629	50,734	249	1	316	292	292	50,714	35,496	0	0	0	0	15
16	2546.77	100,587	50,713	272	1	259	279	279	50,713	35,495	2	0	0	0	16
17	2546.76	100,545	50,691	270	2	262	270	270	50,699	35,481	3	0	0	0	17
18	2546.76	100,545	50,691	282	1	288	274	274	50,685	35,467	1	0	0	0	18
19	2546.75	100,503	50,670	286	1	273	286	286	50,677	35,459	2	0	0	0	19
20	2546.75	100,503	50,670	293	1	296	317	317	50,698	35,480	0	0	0	0	20
21	2546.78	100,629	50,734	316	1	383	333	333	50,712	35,494	0	0	0	0	21
22	2546.79	100,671	50,755	293	0	319	338	338	50,752	35,534	1	0	0	0	22
23	2546.80	100,713	50,776	285	1	312	309	309	50,770	35,552	1	0	0	0	23
24	2546.80	100,713	50,776	284	1	295	293	293	50,768	35,550	2	0	0	0	24
25	2546.79	100,671	50,755	285	0	272	290	290	50,765	35,547	2	0	0	0	25
26	2546.79	100,671	50,755	293	1	302	289	289	50,752	35,534	2	0	0	0	26
27	2546.79	100,671	50,755	283	1	292	295	295	50,755	35,537	2	0	0	0	27
28	2546.80	100,713	50,776	292	0	315	315	315	50,776	35,558	0	0	0	0	28
29	2547.16	102,240	51,546	345	1	1,118	1,118	1,118	51,546	36,328	0	0	0	0	29
30	2547.73	104,689	52,781	442	1	1,688	1,688	1,688	52,781	37,563	2	0	0	0	30
31	2548.01	105,906	53,394	471	1	1,087	1,087	1,087	53,394	38,176	0	0	0	0	31
TOTAL SECOND FOOT DAYS				9,475	33	12,538	12,538	12,538	53,394	38,176	58	0	0	0	0
TOTAL ACRE-FEET				18,793	66	24,869	24,869	24,869	105,906	75,722	115	0	0	0	0

By:  Date: January 23, 2002

REPORT OF THE KERN RIVER WATERMASTER

DECEMBER 2001

Quantities in S.F.D. except where noted

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

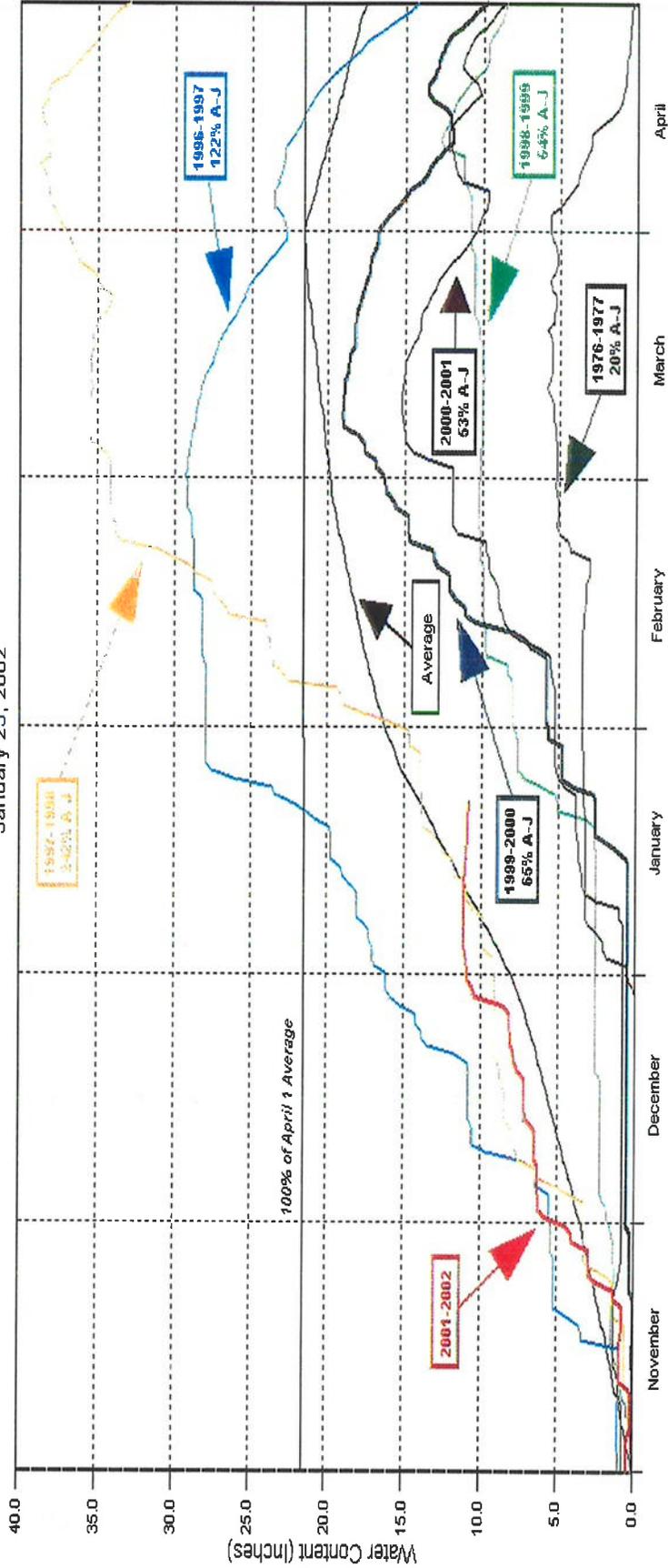
Previous Day	ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW ABOVE 1ST		RESERVOIR STORAGE																																										
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	POINT	POINT	LOSS	STORAGE	NKWS	BVWS	POINT	POINT	LOSS	STORAGE	DAY																																								
1	365	298	1	1	18,255	0	0	0	0	0	1	17,155			0	0	0	0	0																																								
2	319	271	1	6	18,296	0	0	0	0	0	4	17,151			0	0	0	0	1																																								
3	336	288	1	12	18,331	0	0	0	0	0	9	17,142			0	0	0	0	2																																								
4	487	333	2	2	18,481	0	0	0	0	0	1	17,141			0	0	0	0	3																																								
5	347	363	1	7	18,457	0	0	0	0	0	5	17,136			0	0	0	0	4																																								
6	332	356	2	8	18,423	0	0	0	0	0	7	17,129			0	0	0	0	5																																								
7	327	363	1	6	18,380	0	0	0	0	0	4	17,125			0	0	0	0	6																																								
8	321	329	2	6	18,364	0	0	0	0	0	4	17,121			0	0	0	0	7																																								
9	316	312	1	12	18,355	0	0	0	0	0	9	17,112			0	0	0	0	8																																								
10	297	304	1	7	18,340	0	0	0	0	0	5	17,107			0	0	0	0	9																																								
11	278	295	1	5	18,317	0	0	0	0	0	3	17,104			0	0	0	0	10																																								
12	272	285	1	6	18,297	0	0	0	0	0	4	17,100			0	0	0	0	11																																								
13	263	250	1	5	18,304	0	0	0	0	0	3	17,097			0	0	0	0	12																																								
14	279	240	2	7	18,334	0	0	0	0	0	5	17,092			0	0	0	0	13																																								
15	291	245	1	8	18,371	0	0	0	0	0	7	17,085			0	0	0	0	14																																								
16	292	249	1	1	18,412	0	0	0	0	0	1	17,084			0	0	0	0	15																																								
17	279	272	1	4	18,414	0	0	0	0	0	3	17,081			0	0	0	0	16																																								
18	274	282	1	3	18,393	0	0	0	0	0	2	17,074			0	0	0	0	17																																								
19	286	286	1	4	18,388	0	0	0	0	0	3	17,071			0	0	0	0	18																																								
20	317	293	1	1	18,410	0	0	0	0	0	1	17,070			0	0	0	0	19																																								
21	333	316	1	1	18,425	0	0	0	0	0	1	17,069			0	0	0	0	20																																								
22	338	293	0	3	18,467	0	0	0	0	0	2	17,067			0	0	0	0	21																																								
23	309	285	1	3	18,487	0	0	0	0	0	2	17,065			0	0	0	0	22																																								
24	293	284	1	6	18,489	0	0	0	0	0	4	17,061			0	0	0	0	23																																								
25	290	285	0	5	18,489	0	0	0	0	0	3	17,058			0	0	0	0	24																																								
26	289	293	1	5	18,479	0	0	0	0	0	3	17,055			0	0	0	0	25																																								
27	295	283	1	5	18,485	0	0	0	0	0	3	17,052			0	0	0	0	26																																								
28	315	292	0	1	18,507	0	0	0	0	0	1	17,051			0	0	0	0	27																																								
29	1,118	345	1	1	19,278	0	0	0	0	0	1	17,050			0	0	0	0	28																																								
30	1,628	433	1	6	20,466	60	0	0	0	0	4	17,097			0	0	0	0	29																																								
31	1,087	471	1	1	21,085	0	0	0	0	0	1	17,091			0	0	0	0	30																																								
S.F.D.	12,478	9,466	33	154	21,085	60	0	0	0	0	110	17,091			0	0	0	0	S.F.D.																																								
AC.FT.	24,750	18,775	66	306	41,823	119	0	0	0	0	218	33,899			0	0	0	0	AC.FT.																																								
TOTAL ACRE-FOOT STORAGE DAYS																			1,142,735	TOTAL ACRE-FOOT STORAGE DAYS																			1,050,870	TOTAL ACRE-FOOT STORAGE DAYS																			0

WATERMASTER NOTES *** KERN RIVER BULLETIN

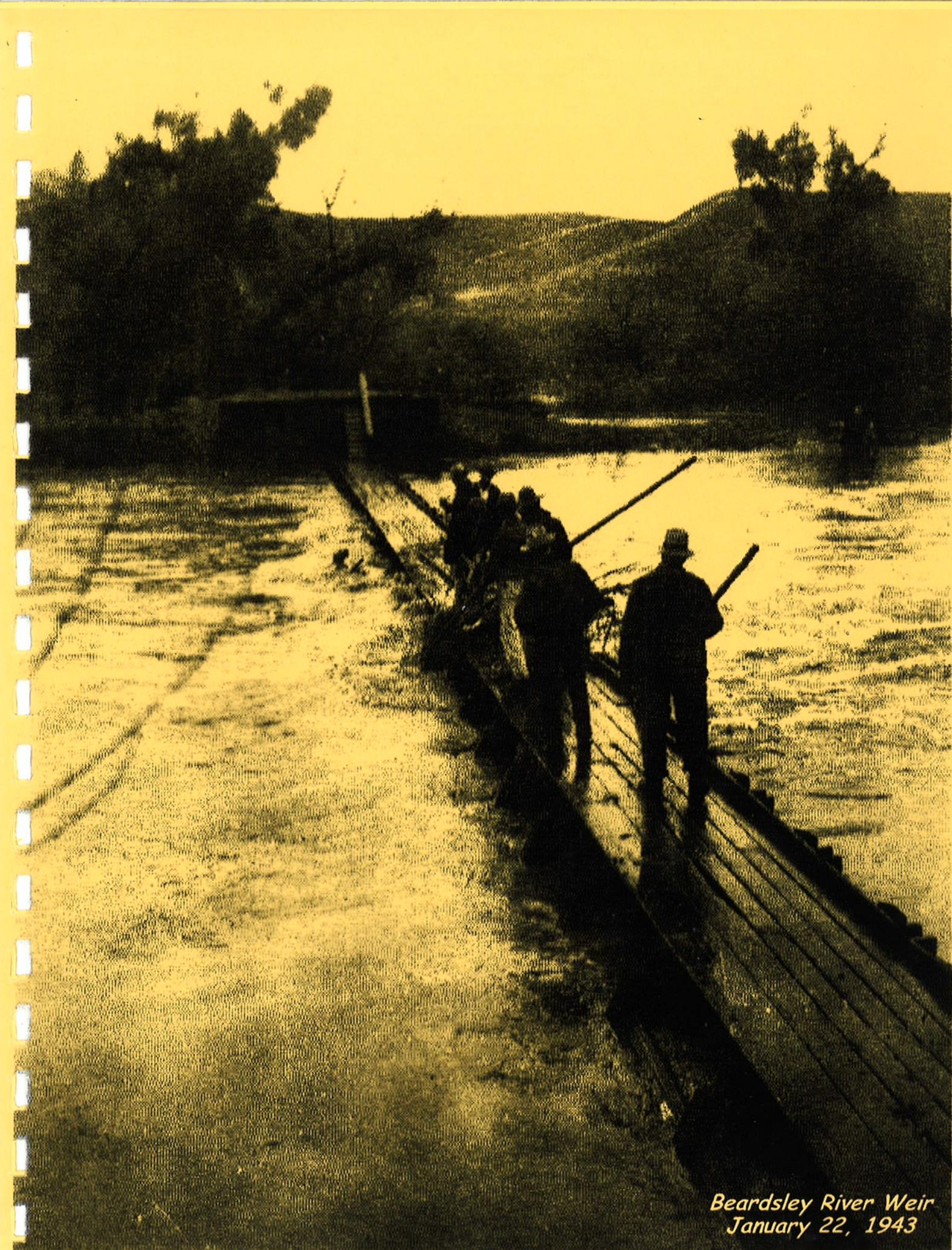
MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
December	31	2	BVWSD RESERVOIR STORAGE NKWSD RESERVOIR STORAGE	Reflects transfer of 10 acre-feet (5 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT on behalf of HACIENDA WATER DISTRICT as compensation for additional evaporation of Kern River water due to Rio Bravo Power Plant operations during calendar year 2001 pursuant to terms of May 14, 1986 Memorandum of Understanding between Cleese WD and the Kern River Interests. (Total of 14 acre-feet of additional evaporation; shared 75% NKWSD & 25% BVWSD)

**KERN RIVER BASIN SNOWPACK ACCUMULATION
EIGHT SENSOR INDEX**

January 23, 2002



Snowpack Accumulation Season
CITY OF BAKERSFIELD WATER RESOURCES DEPARTMENT



*Beardsley River Weir
January 22, 1943*

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: January 2001 Recap

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

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

QUANTITIES IN: ACRE-FEET

15429
 14273
 1156
 676
 480
 N/A

0
 0
 676
 0
 0
 676

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT	GROSS DIV'N ENT'L	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR				
				To River	Distribution	NKWS	KCC&W Co.	KOWD	OTHER	PLUS	LESS	NKWS	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	K.C.L. Co. ENTL @ 2ND PT. KERN ISLAND (1-ST) EASTSIDE KERN RIVER CONDUIT	3309	14273	10635				3638								18	2500	22	0	2496	
320.0	CASTRO KCC&W Co.		10		298											0	0	0	0	0	
330.5	SOUTH FORK	28	28	20	894		1230		4580							472	3011	34	0	3449	
410.5	BUENA VISTA (1-ST)	1632	152	152	2033		2033		0							0	600	0	0	600	
530.5	JAMES (1-ST)	228	228	38	6250		6478									10	1500	12	0	1498	
550.5	ANDERSON (1-ST)		38		311		349									305					
700.5	STINE (1-ST)		4		301		270									305	240	4	0	541	
730.5	MEACHAM				270											0	0	0	0	0	
800.5	FARMERS				151											0	0	0	0	0	
820.5	PLUNKET				79											0	0	0	0	0	
860.5	JOYCE				79											0	0	0	0	0	
1000.5	JOHNSON				79											0	0	0	0	0	
1130.5	PIONEER (1-ST)				141											0	0	0	0	0	
1180.5	BEARDSLEY (1-ST)															880	37722	321	240	38041	
1200.5	LERDO (NKWSD)	2672							4580												
1240.5	ANDERSON (2-ND)																				
1290.5	JAMES & DIXON																				
1290.5	WILSON																				
1276.5	McCAFFREY KCC&W Co.																				
1376.5	McCORD																				
1376.5	LERDO 30% BEARDSLEY 70%																				
2296.5	CALLOWAY CENTRAL 20% NKWSD 80%																				
2296.5	RAIL ROAD KCC&W Co. 20% NKWSD 80%																				
2426.5	200																				
2516.5	90 BUENA VISTA (2-ND)																				
2696.5	180 JAMES (2-ND)																				
2866.5	170 PIONEER (2-ND)																				
3106.5	240 BEARDSLEY (2-RD)																				
3162.5	56 KERN ISLAND (2-ND)																				
	ROSEDALE BKWSD	2971																			
	TRUKTUN LAKES																				
	LAKE MING																				
	KERN VALLEY GOLF COURSE																				
	CALIFORNIA WATER SERVICE CO.																				
	OLCESE WD																				
	BYWSD VIA KOWD																				
									12												
TOTALS		61	10594	14763	10807	0	7547	1230	5976	0	4592	2327	3377	4929	0	1961	714			2675	
	LOSS		3352	676																	
	FLOW AT FIRST POINT	61	13936	15429																	

TOTAL CHANGE IN STORAGE = 1052

NOTES:

Kern Island Exch. Less: from BYWSD= 12

KCC&W Exch. Plus: NKWSD to City (B/P)= 4580
 Lerdo (NKWSD): City for NKWSD (Misc.)= 282
 Lerdo (NKWSD): City to CWD (Misc.)= 63

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: March 2001 Recap

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

36948
 17857
 19091
 18094
 997
 N/A

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)..... 87
 B.V.W.S.D. ENTITLEMENT..... 5689
 SEEPAGE LOSS..... 676
 KERN RIVER CONDUIT ENTITLEMENT..... 11442
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0
 TOTAL..... 18094

QUANTITIES IN: ACRE-FEET

% OF IT'S DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT	GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR		CURRENT BALANCE				
				To River	Distribution	NKWS	PRO	NKWS	PRO	PLUS	LESS	NKWS	KCC&W Co.	KDWD	OTHER	DIR		PRO	IN	PREVIOUS BALANCE	LOSS
300.0	K.C.L. Co. ENTL @ 2ND PT.	11117	17857	87											240	3478	60	0	3658		
320.0	KERN ISLAND (1-ST)	1182																			
	EASTSIDE																				
	KERN RIVER CONDUIT																				
300.5	KCC&W Co.	300	20																		
410.5	SOUTH FORK	32	14																		
530.5	BUENA VISTA (1-ST)	1252	105																		
530.5	JAMES (1-ST)	155	155																		
700.5	ANDERSON (1-ST)	28	28																		
730.5	STINE	196	101																		
880.5	MEACHAM	40	40																		
920.5	FARMERS	196	101																		
980.5	JOYCE	50	50																		
1000.5	JOYCE	48	48																		
1000.5	JOHNSON	44	44																		
1130.5	PIONEER (1-ST)	77	77																		
1190.5	PIONEER (1-ST)	1265	254																		
1200.5	BEARDSLEY (1-ST)	16	16																		
1200.5	LERDO (NKWS)	6444																			
1240.5	ANDERSON (2-ND)																				
1240.5	JAMES & DIXON																				
1250.5	WILSON																				
1276.5	KCC&W Co.																				
1276.5	McCAFFREY																				
1376.5	McCORD																				
2226.5	LERDO 30%																				
2426.5	BEARDSLEY 70%																				
2516.5	CENTRAL 20%																				
2696.5	CALLOWAY																				
2866.5	RAILROAD																				
3106.5	KCC&W Co. 20%																				
3162.5	NKWS																				
	BUENA VISTA (2-ND)																				
	JAMES (2-ND)																				
	PIONEER (2-ND)																				
	PIONEER (3-RD)																				
	KERN ISLAND (2-ND)																				
	ROSEDALE RWISD	206																			
	TRUXTUN LAKES	196																			
	LAKE MING																				
	KERN VALLEY GOLF COURSE																				
	CALIFORNIA WATER SERVICE CO.																				
	OLCESE WD																				
	BYWSD VIA KDWD																				
	BYWSD VIA/FOR CWD																				
	BYWSD FOR ID4																				
	BYWSD FOR LA HACIENDA INC.																				
	ARVIN-EDISON TURNOUT	662																			
	NKWS FOR ID4																				
TOTALS		147	22610	30363	5857	5873	0	3930	12672	13749	48	2844	2696	3003	5538	13194	48	1424	562	1986	
	LOSS		2661	676																	
	FLOW AT FIRST POINT	147	25271	31059																	

TOTAL CHANGE IN STORAGE = 5649

NOTES:
 Kern Island Exch. Less: from BVWSD= 28
 Eastside Exch. Less: from BVWSD= 129

LERDO (NKWS): City to CWD (Basic)= 2037
 Lerdo (NKWS): City to NKWS (B/P)= 803
 Lerdo (NKWS): Other: KRC&I 30% Entl= 4
 Lerdo Exch. Plus: City to NKWS (B/P)= 1511
 Lerdo Exch. Less: BVWSD via/ftr CWD= 211
 KCC&W Exch. Plus: NKWS to City (B/P)= 75
 River Loss: BVWSD for ID4= 576
 Arvin-Edison T.O. City to K-TWD (Misc.)= 86
 Arvin-Edison T.O. City to RGWD (Misc.)= 36
 River Loss: City to K-TWD (Misc.)= 6
 River Loss: City to RGWD (Misc.)= 1101
 Pioneer: City to K-TWD (Basic)= 164
 Pioneer: City to RGWD (Basic)= 999
 River Loss: City to K-TWD (Basic)= 150
 River Loss: City to RGWD (Basic)= 170
 Truxtun Lakes: City to K-TWD (Basic)= 26
 Truxtun Lakes: City to RGWD (Basic)= 73

CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: August 2001 Recap

COMPUTED NATURAL FLOW AT FIRST POINT..... 11558
 LESS NON-CONTRIBUTING CANALS..... 10882
 FOR OTHERS AND FIRST POINT CANALS..... 676
 TO BE CONTRIBUTED BY OTHER CANALS..... 676
 TO BE USED BY OTHER CANALS..... 0
 EACH OTHER CANAL TO RECEIVE..... N/A

QUANTITIES IN: ACRE-FEET

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

RIVER STAGE	DIVERSION RIGHT	GROSS DIV'R	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES			NET DIVERSIONS				WATER		ISABELLA RESERVOIR			CURRENT BALANCE	
				To River	Distribution	NKWS	KCC&W Co.	KOWD	OTHER	PLUS	LESS	NKWS	KCC&W Co.	KOWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT		
300.0	K.C.L. Co. ENT'L @ 2ND PT. KERN ISLAND (1-ST) EASTSIDE	1776	10882					10882				117	3266			14510			0	4460	60	4400	0
320.0	CASTRO KERN RIVER CONDUIT	2200											1311		889				0	0	0	0	0
330.5	KCC&W Co. SOUTH FORK																		0	0	0	0	0
410.5	BUENA VISTA (1-ST)	93											5000						0	14993	459	7884	6650
530.5	JAMES (1-ST)																		0	779		93	686
550.5	ANDERSON (1-ST)																		0	85	0	85	0
700.5	STINE (1-ST)	238																	0	32	0	32	0
730.5	MEACHAM																		0	826	12	814	0
880.5	FARMERS	814																	0	0	0	0	0
920.5	PLUNKET																		0	0	0	0	0
960.5	JOYCE																		0	0	0	0	0
1000.5	JOHNSON																		0	0	0	0	0
1130.5	PIONEER (1-ST)																		0	0	0	0	0
1190.5	BEARDSLEY (1-ST)	1234																	0	0	0	0	0
1200.5	LEUDO (NKWS)	16617																	0	0	0	0	0
1240.5	ANDERSON (2-ND)																		0	0	0	0	0
1240.5	JAMES & DIXON																		0	0	0	0	0
1260.5	WILSON																		0	0	0	0	0
1276.5	KCC&W Co. MCCORD	26																	0	0	0	0	0
1376.5	LEUDO 30% BEARDSLEY 70%	100																	0	0	0	0	0
2226.5	CALLOWAY CENTRAL 20% NKWS 80%	850																	0	0	0	0	0
2426.5	RAILROAD KCC&W Co. 20% NKWS 80%	200																	0	0	0	0	0
2516.5	BUENA VISTA (2-ND)	90																	0	0	0	0	0
2596.5	JAMES (2-ND)	180																	0	0	0	0	0
2866.5	PIONEER (2-ND)	170																	0	0	0	0	0
3106.5	BEARDSLEY (3-RD)	240																	0	0	0	0	0
3162.5	BEARDSLEY (3-RD)	56																	0	0	0	0	0
3162.5	KERN ISLAND (2-ND)																		0	0	0	0	0
	ROSEDALE RWISD																		0	0	0	0	0
	TRUXTON LAKES																		0	0	0	0	0
	LAKE MING																		0	0	0	0	0
	KERN VALLEY GOLF COURSE																		0	0	0	0	0
	CALIFORNIA WATER SERVICE CO.																		0	0	0	0	0
	OLCSE WD																		0	0	0	0	0
	CITY OF BAKERSFIELD (M. Rodriguez)																		0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

JANUARY

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1954	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318	322	322	317	317	317	317	425	554	371	539	354	383	348	347																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1955	9659	9705	9751	9797	9843	9889	9935	9981	10027	10073	10119	10165	10211	10257	10303	10349	10395	10441	10487	10533	10579	10625	10671	10717	10763	10809	10855	10901	10947	10993	11039	11085	11131																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1956	7923	8016	8109	8202	8295	8388	8481	8574	8667	8760	8853	8946	9039	9132	9225	9318	9411	9504	9597	9690	9783	9876	9969	10062	10155	10248	10341	10434	10527	10620	10713	10806	10899	10992																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1957	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023	13023																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1958	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413	10413																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1959	18947	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791	19791																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1960	71575	71542	71509	71476	71443	71410	71377	71344	71311	71278	71245	71212	71179	71146	71113	71080	71047	71014	70981	70948	70915	70882	70849	70816	70783	70750	70717	70684	70651	70618	70585	70552	70519	70486	70453	70420	70387	70354	70321	70288	70255	70222	70189	70156	70123	70090	70057	70024	69991	69958	69925	69892	69859	69826	69793	69760	69727	69694	69661	69628	69595	69562	69529	69496	69463	69430	69397	69364	69331	69298	69265	69232	69199	69166	69133	69100	69067	69034	69001	68968	68935	68902	68869	68836	68803	68770	68737	68704	68671	68638	68605	68572	68539	68506	68473	68440	68407	68374	68341	68308	68275	68242	68209	68176	68143	68110	68077	68044	68011	67978	67945	67912	67879	67846	67813	67780	67747	67714	67681	67648	67615	67582	67549	67516	67483	67450	67417	67384	67351	67318	67285	67252	67219	67186	67153	67120	67087	67054	67021	66988	66955	66922	66889	66856	66823	66790	66757	66724	66691	66658	66625	66592	66559	66526	66493	66460	66427	66394	66361	66328	66295	66262	66229	66196	66163	66130	66097	66064	66031	65998	65965	65932	65899	65866	65833	65800	65767	65734	65701	65668	65635	65602	65569	65536	65503	65470	65437	65404	65371	65338	65305	65272	65239	65206	65173	65140	65107	65074	65041	65008	64975	64942	64909	64876	64843	64810	64777	64744	64711	64678	64645	64612	64579	64546	64513	64480	64447	64414	64381	64348	64315	64282	64249	64216	64183	64150	64117	64084	64051	64018	63985	63952	63919	63886	63853	63820	63787	63754	63721	63688	63655	63622	63589	63556	63523	63490	63457	63424	63391	63358	63325	63292	63259	63226	63193	63160	63127	63094	63061	63028	62995	62962	62929	62896	62863	62830	62797	62764	62731	62698	62665	62632	62599	62566	62533	62500	62467	62434	62401	62368	62335	62302	62269	62236	62203	62170	62137	62104	62071	62038	62005	61972	61939	61906	61873	61840	61807	61774	61741	61708	61675	61642	61609	61576	61543	61510	61477	61444	61411	61378	61345	61312	61279	61246	61213	61180	61147	61114	61081	61048	61015	60982	60949	60916	60883	60850	60817	60784	60751	60718	60685	60652	60619	60586	60553	60520	60487	60454	60421	60388	60355	60322	60289	60256	60223	60190	60157	60124	60091	60058	60025	59992	59959	59926	59893	59860	59827	59794	59761	59728	59695	59662	59629	59596	59563	59530	59497	59464	59431	59398	59365	59332	59299	59266	59233	59200	59167	59134	59101	59068	59035	59002	58969	58936	58903	58870	58837	58804	58771	58738	58705	58672	58639	58606	58573	58540	58507	58474	58441	58408	58375	58342	58309	58276	58243	58210	58177	58144	58111	58078	58045	58012	57979	57946	57913	57880	57847	57814	57781	57748	57715	57682	57649	57616	57583	57550	57517	57484	57451	57418	57385	57352	57319	57286	57253	57220	57187	57154	57121	57088	57055	57022	56989	56956	56923	56890	56857	56824	56791	56758	56725	56692	56659	56626	56593	56560	56527	56494	56461	56428	56395	56362	56329	56296	56263	56230	56197	56164	56131	56098	56065	56032	55999	55966	55933	55900	55867	55834	55801	55768	55735	55702	55669	55636	55603	55570	55537	55504	55471	55438	55405	55372	55339	55306	55273	55240	55207	55174	55141	55108	55075	55042	55009	54976	54943	54910	54877	54844	54811	54778	54745	54712	54679	54646	54613	54580	54547	54514	54481	54448	54415	54382	54349	54316	54283	54250	54217	54184	54151	54118	54085	54052	54019	53986	53953	53920	53887	53854	53821	53788	53755	53722	53689	53656	53623	53590	53557	53524	53491	53458	53425	53392	53359	53326	53293	53260	53227	53194	53161	53128	53095	53062	53029	52996	52963	52930	52897	52864	52831	52798	52765	52732	52699	52666	52633	52600	52567	52534	52501	52468	52435	52402	52369	52336	52303	52270	52237	52204	52171	52138	52105	52072	52039	52006	51973	51940	51907	51874	51841	51808	51775	51742	51709	51676	51643	51610	51577	51544	51511	51478	51445	51412	51379	51346	51313	51280	51247	51214	51181	51148	51115	51082	51049	51016	50983	50950	50917	50884	50851	50818	50785	50752	50719	50686	50653	50620	50587	50554	50521	50488	50455	50422	50389	50356	50323	50290	50257	50224	50191	50158	50125	50092	50059	50026	49993	49960	49927	49894	49861	49828	49795	49762	49729	49696	49663	49630	49597	49564	49531	49498	49465	49432	49399	49366	49333	49300	49267	49234	49201	49168	49135	49102	49069	49036	49003	48970	48937	48904	48871	48838	48805	48772	48739	48706	48673	48640	48607	48574	48541	48508	48475	48442	48409	48376	48343	48310	48277	48244	48211	48178	48145	48112	48079	48046	48013	47980	47947	47914	47881	47848	47815	47782	47749	47716	47683	47650	47617	47584	47551	47518	47485	47452	47419	47386	47353	47320	47287	47254	47221	47188	47155	47122	47089	47056	47023	46990	46957	46924	46891	46858	46825	46792	46759	46726	46693	46660	46627	46594	46561	46528	46495	46462	46429	46396	46363	46330	46297	46264	46231	46198	46165	46132	46099	46066	46033	46000	45967	45934	45901	45868	45835	45802	45769	45736	45703	45670	45637	45604	45571	45538	45505	45472	45439	45406	45373	45340	45307	45274	45241	45208	45175	45142	45109	45076	45043	45010	44977	44944	44911	44878	44845	44812	44779	44746	44713	44680	44647	44614	44581	44548	44515	44482	44449	44416	44383	44350	44317	44284	44251	44218	44185	44152	44119	44086	44053	44020	43987	43954	43921	43888	43855	43822	43789	43756	43723	43690	43657	43624	43591	43558	43525	43492	43459	43426	43393	43360	43327	43294	43261	43228	43195	43162	43129	43096	43063	43030	42997	42964	42931	42898	42865	42832	42799	42766	42733	42700	42667	42634	42601	42568	42535	42502	42469	42436	42403	42370	42337	42304	42271	42238	42205	42172	42139	42106	42073	42040	42007	41974	41941	41908	41875	41842	41809	41776	41743	41710	41677	41644	41611	41578	41545	41512	41479	41446	41413	41380	41347	41314	41281	41248	41215	41182	41149	41116	41083	41050	41017	40984	40951	40918	40885	40852	40819	40786	40753	40720	40687	40654	40621	40588	40555	40522	40489	40456	40423	40390	40357	40324	40291	40258	40225	40192	40159	40126	40093	40060	40027	39994	39961	39928	39895	39862	39829	39796	39763	39730	39697	39664	39631	39598	39565	39532	39499	39466	39433	39400	39367	39334	39301	39268	39235	39202	39169	39136	39103	39070	

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

FEBRUARY

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
1954	344	342	340	336	336	335	333	333	332	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334			
1955	10185	10180	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152			
1956	120816	121096	122264	123208	123688	124770	125307	125845	126383	126921	127459	127997	128535	129073	129611	130149	130687	131225	131763	132301	132839	133377	133915	134453	134991	135529	136067	136605	137143	137681	138219			
1957	130263	130363	130463	130563	130663	130763	130863	130963	131063	131163	131263	131363	131463	131563	131663	131763	131863	131963	132063	132163	132263	132363	132463	132563	132663	132763	132863	132963	133063	133163	133263	133363		
1958	103771	104002	104233	104464	104695	104926	105157	105388	105619	105850	106081	106312	106543	106774	107005	107236	107467	107698	107929	108160	108391	108622	108853	109084	109315	109546	109777	110008	110239	110470	110701	110932		
1959	196878	196332	195786	195240	194694	194148	193602	193056	192510	191964	191418	190872	190326	189780	189234	188688	188142	187596	187050	186504	185958	185412	184866	184320	183774	183228	182682	182136	181590	181044	180498	179952		
1960	72846	75467	78088	80709	83330	85951	88572	91193	93814	96435	99056	101677	104298	106919	109540	112161	114782	117403	120024	122645	125266	127887	130508	133129	135750	138371	140992	143613	146234	148855	151476	154097		
1961	28903	28986	29069	29152	29235	29318	29401	29484	29567	29650	29733	29816	29899	29982	30065	30148	30231	30314	30397	30480	30563	30646	30729	30812	30895	30978	31061	31144	31227	31310	31393	31476		
1962	17850	17838	17826	17814	17802	17790	17778	17766	17754	17742	17730	17718	17706	17694	17682	17670	17658	17646	17634	17622	17610	17598	17586	17574	17562	17550	17538	17526	17514	17502	17490	17478		
1963	127803	128058	128313	128568	128823	129078	129333	129588	129843	130098	130353	130608	130863	131118	131373	131628	131883	132138	132393	132648	132903	133158	133413	133668	133923	134178	134433	134688	134943	135198	135453	135708	135963	
1964	168552	168434	168316	168198	168080	167962	167844	167726	167608	167490	167372	167254	167136	167018	166900	166782	166664	166546	166428	166310	166192	166074	165956	165838	165720	165602	165484	165366	165248	165130	165012	164894	164776	
1965	126757	126807	126857	126907	126957	127007	127057	127107	127157	127207	127257	127307	127357	127407	127457	127507	127557	127607	127657	127707	127757	127807	127857	127907	127957	128007	128057	128107	128157	128207	128257	128307	128357	
1966	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	168800	
1967	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	231865	
1968	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	20068	
1969	25213	25403	25593	25783	25973	26163	26353	26543	26733	26923	27113	27303	27493	27683	27873	28063	28253	28443	28633	28823	29013	29203	29393	29583	29773	29963	30153	30343	30533	30723	30913	31103	31293	
1970	249128	248548	247968	247388	246808	246228	245648	245068	244488	243908	243328	242748	242168	241588	241008	240428	239848	239268	238688	238108	237528	236948	236368	235788	235208	234628	234048	233468	232888	232308	231728	231148	230568	229988
1971	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	
1972	121605	121557	121509	121461	121413	121365	121317	121269	121221	121173	121125	121077	121029	120981	120933	120885	120837	120789	120741	120693	120645	120597	120549	120501	120453	120405	120357	120309	120261	120213	120165	120117	120069	
1973	67465	67461	67457	67453	67449	67445	67441	67437	67433	67429	67425	67421	67417	67413	67409	67405	67401	67397	67393	67389	67385	67381	67377	67373	67369	67365	67361	67357	67353	67349	67345	67341	67337	
1974	220047	220116	220185	220254	220323	220392	220461	220530	220599	220668	220737	220806	220875	220944	221013	221082	221151	221220	221289	221358	221427	221496	221565	221634	221703	221772	221841	221910	221979	222048	222117	222186	222255	
1975	22286	222400	221937	221474	221011	220548	220085	219622	219159	218696	218233	217770	217307	216844	216381	215918	215455	214992	214529	214066	213603	213140	212677	212214	211751	211288	210825	210362	209899	209436	208973	208510	208047	207584
1976	170131	168803	167475	166147	164819	163491	162163	160835	159507	158179	156851	155523	154195	152867	151539	150211	148883	147555	146227	144899	143571	142243	140915	139587	138259	136931	135603	134275	132947	131619	130291	128963	127635	126307
1977	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	68830	
1978	63657	64020	64383	64746	65109	65472	65835	66198	66561	66924	67287	67650	68013	68376	68739	69102	69465	69828	70191	70554	70917	71280	71643	72006	72369	72732	73095	73458	73821	74184	74547	74910	75273	
1979	24532	24577	24622	24667	24712	24757	24802	24847	24892	24937	24982	25027	25072	25117	25162	25207	25252	25297	25342	25387	25432	25477	25522	25567	25612	25657	25702	25747	25792	25837	25882	25927	25972	
1980	29544	29576	29608	29640	29672	29704	29736	29768	29800	29832	29864	29896	29928	29960	29992	30024	30056	30088	30120	30152	30184	30216	30248	30280	30312	30344	30376	30408	30440	30472	30504	30536	30568	
1981	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686	231686
1982	174796	174888	174980	175072	175164	175256	175348	175440	175532	175624	175716	175808	175900	175992	176084	176176	176268	176360	176452	176544	176636	176728	176820	176912	177004	177096	177188	177280	177372	177464	177556	177648	177740	
1983	261832	262491	263150	263809	264468	265127	265786	266445	267104	267763	268422	269081	269740	270399	271058	271717	272376	273035	273694	274353	275012	275671	276330	276989	277648	278307	278966	279625	280284	280943	281602	282261	282920	283579
1984	296623	29621	29580	29539	29498	29457	29416	29375	29334	29293	29252	29211	29170	29129	29088	29047	29006	28965	28924	28883	28842	28801	28760	28719	28678	28637	28596	28555	28514	28473	28432	28391	28350	28309
1985	244160	244458	244756	245054	245352	245650	245948	246246	246544	246842	247140	247438	247736	248034	248332	248630	248928	249226	249524	249822	250120	250418	250716	251014	251312	251610	251908	252206	252504	252802	253100	253398	253696	253994
1986	206331	206736	207141	207546	207951	208356	208761	209166	209571	209976	210381	210786	211191	211596	212001	212406	212811	213216	213621	214026	214431	214836	215241	215646	216051	216456	216861	217266	217671	218076	218481	218886	2	

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

MARCH

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
1954	342	342	341	336	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331							
1955	12626	12626	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586	12586							
1956	126456	126456	126355	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004	126004							
1957	133291	133291	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186	133186							
1958	114555	114555	114481	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467	114467							
1959	19729	19729	19736	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740	19740							
1960	64904	64917	64862	65105	65218	65368	65706	66120	66498	66945	67467	68064	68734	69478	70298	71194	72166	73214	74338	75539	76817	78173	79607	81128	82734	84425	86201	88072	90038	92100	94259	96525							
1961	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600	2600						
1962	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371	4371						
1963	174764	174764	175128	175491	175856	176221	176586	176951	177316	177681	178046	178411	178776	179141	179506	179871	180236	180601	180966	181331	181696	182061	182426	182791	183156	183521	183886	184251	184616	184981	185346	185711	186076						
1964	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362	162362					
1965	123110	123110	122671	122232	121793	121354	120915	120476	120037	119598	119159	118720	118281	117842	117403	116964	116525	116086	115647	115208	114769	114330	113891	113452	113013	112574	112135	111696	111257	110818	110379	109940	109501	109062					
1966	168019	168019	167604	167189	166774	166359	165944	165529	165114	164699	164284	163869	163454	163039	162624	162209	161794	161379	160964	160549	160134	159719	159304	158889	158474	158059	157644	157229	156814	156399	155984	155569	155154	154739					
1967	25312	25312	25268	25224	25180	25136	25092	25048	25004	24960	24916	24872	24828	24784	24740	24696	24652	24608	24564	24520	24476	24432	24388	24344	24300	24256	24212	24168	24124	24080	24036	23992	23948	23904					
1968	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800	25800					
1969	257261	257261	257864	258467	259070	259673	260276	260879	261482	262085	262688	263291	263894	264497	265100	265703	266306	266909	267512	268115	268718	269321	269924	270527	271130	271733	272336	272939	273542	274145	274748	275351	275954	276557					
1970	172763	172763	171917	170983	170049	169115	168181	167247	166313	165379	164445	163511	162577	161643	160709	159775	158841	157907	156973	156039	155105	154171	153237	152303	151369	150435	149501	148567	147633	146699	145765	144831	143897	142963					
1971	117029	117029	116589	116149	115709	115269	114829	114389	113949	113509	113069	112629	112189	111749	111309	110869	110429	109989	109549	109109	108669	108229	107789	107349	106909	106469	106029	105589	105149	104709	104269	103829	103389	102949	102509				
1972	77830	77830	78504	79178	79852	80526	81200	81874	82548	83222	83896	84570	85244	85918	86592	87266	87940	88614	89288	89962	90636	91310	91984	92658	93332	94006	94680	95354	96028	96702	97376	98050	98724	99398					
1973	20710	20710	20757	20804	20851	20898	20945	20992	21039	21086	21133	21180	21227	21274	21321	21368	21415	21462	21509	21556	21603	21650	21697	21744	21791	21838	21885	21932	21979	22026	22073	22120	22167	22214					
1974	12341	12341	12265	12189	12113	12037	11961	11885	11809	11733	11657	11581	11505	11429	11353	11277	11201	11125	11049	10973	10897	10821	10745	10669	10593	10517	10441	10365	10289	10213	10137	10061	9985	9909	9833				
1975	16898	16898	16822	16746	16670	16594	16518	16442	16366	16290	16214	16138	16062	15986	15910	15834	15758	15682	15606	15530	15454	15378	15302	15226	15150	15074	14998	14922	14846	14770	14694	14618	14542	14466	14390				
1976	18516	18516	18420	18324	18228	18132	18036	17940	17844	17748	17652	17556	17460	17364	17268	17172	17076	16980	16884	16788	16692	16596	16500	16404	16308	16212	16116	16020	15924	15828	15732	15636	15540	15444	15348	15252			
1977	32516	32516	32384	32252	32120	31988	31856	31724	31592	31460	31328	31196	31064	30932	30800	30668	30536	30404	30272	30140	30008	29876	29744	29612	29480	29348	29216	29084	28952	28820	28688	28556	28424	28292	28160	28028			
1978	36438	36438	36349	36260	36171	36082	35993	35904	35815	35726	35637	35548	35459	35370	35281	35192	35103	35014	34925	34836	34747	34658	34569	34480	34391	34302	34213	34124	34035	33946	33857	33768	33679	33590	33501	33412	33323		
1979	37939	37939	37826	37713	37600	37487	37374	37261	37148	37035	36922	36809	36696	36583	36470	36357	36244	36131	36018	35905	35792	35679	35566	35453	35340	35227	35114	35001	34888	34775	34662	34549	34436	34323	34210	34097	33984		
1980	34348	34348	34259	34170	34081	33992	33903	33814	33725	33636	33547	33458	33369	33280	33191	33102	33013	32924	32835	32746	32657	32568	32479	32390	32301	32212	32123	32034	31945	31856	31767	31678	31589	31500	31411	31322	31233		
1981	32376	32376	32346	32316	32286	32256	32226	32196	32166	32136	32106	32076	32046	32016	31986	31956	31926	31896	31866	31836	31806	31776	31746	31716	31686	31656	31626	31596	31566	31536	31506	31476	31446	31416	31386	31356	31326		
1982	28374	28374	28354	28334	28314	28294	28274	28254	28234	28214	28194	28174	28154	28134	28114	28094	28074	28054	28034	28014	27994	27974	27954	27934	27914	27894	27874	27854	27834	27814	27794	27774	27754	27734	27714	27694	27674	27654	
1983	36796	36796	36726	36656	36586	36516	36446	36376	36306	36236	36166	36096	36026	35956	35886	35816	35746	35676	35606	35536	35466	35396	35326	35256	35186	35116	35046	34976	34906	34836	34766	34696	34626	34556	34486	34416	34346	34276	34206
1984	28374	28374	28354	28334	28314	28294	28274	28254	28234	28214	28194	28174	28154	28134	28114	28094	28074	28054	28034	28014	27994	27974	27954	27934	27914	27894	27874	27854	27834	27814	27794	27774	27754	27734	27714	27694	27674	27654	27634
1985	32376	32376	32346	32316	32286	32256	32226	32196	32166	32136	32106	32076	32046	32016	31986	31956	31926	31896	31866	31836	31806	31776	31746	31716	31686	31656	31626	31596	31566	31536	31506	31476	31446	31416	31386	31356	31326	31296	31266
1986	31629	31629	31589	31549	31509	31469	31429	31389	31349	31309	31269	31229	31189	31149	31109	31069	31029	30989	30949																				

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

APRIL

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																												
1954	482	500	517	538	566	590	609	630	650	660	663	654	679	761	1104	2124	3480	5028	6549	8045	9545	11115	12740	14570	16144	17408	18886	20560	22070	23822																																																																																																																																																																																																																																																																																																																																																																													
1955	7059	6734	6408	6140	5855	5554	5286	5062	4876	4682	4534	4411	4428	4408	4419	4428	4448	4448	4448	4448	4448	4448	4448	4448	4448	4448	4448	4448	4448	4448	4448																																																																																																																																																																																																																																																																																																																																																																												
1956	128506	129911	131176	132259	133842	134628	135714	137137	138818	140206	142025	144221	146832	148826	150361	152364	154183	155946	157538	159214	160677	162226	163825	165492	167485	169228	170406	171587	172525	173615																																																																																																																																																																																																																																																																																																																																																																													
1957	127954	127452	127000	126749	126588	126516	126536	126556	126576	126596	126616	126636	126656	126676	126696	126716	126736	126756	126776	126796	126816	126836	126856	126876	126896	126916	126936	126956	126976	126996	127016																																																																																																																																																																																																																																																																																																																																																																												
1958	141105	142547	144544	147148	150249	153139	154128	155946	158770	161800	165000	168444	172100	176000	180100	184400	188900	193600	198500	203600	208900	214400	220100	226000	232100	238400	244900	251600	258500	265600	272900																																																																																																																																																																																																																																																																																																																																																																												
1959	193686	197022	191008	191008	191200	191328	191648	191940	192302	192688	193096	193524	193972	194440	194920	195416	195928	196456	197000	197560	198136	198728	199336	199960	200600	201256	201928	202616	203320	204040	204776	205528																																																																																																																																																																																																																																																																																																																																																																											
1960	91834	92054	92454	93014	93734	94604	94704	95324	95996	96556	97131	97709	98311	98932	99584	100264	100996	101756	102544	103360	104208	105088	105996	106936	107912	108924	109972	111056	112176	113332	114524	115752																																																																																																																																																																																																																																																																																																																																																																											
1961	28213	28248	28282	28316	28350	28384	28418	28452	28486	28520	28554	28588	28622	28656	28690	28724	28758	28792	28826	28860	28894	28928	28962	28996	29030	29064	29098	29132	29166	29200	29234	29268																																																																																																																																																																																																																																																																																																																																																																											
1962	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038	39038																																																																																																																																																																																																																																																																																																																																																																											
1963	183664	184220	184734	185298	185822	186316	186780	187214	187618	188002	188366	188710	189034	189338	189622	189886	190130	190354	190558	190742	190906	191050	191174	191278	191362	191426	191470	191494	191498	191482	191446	191390																																																																																																																																																																																																																																																																																																																																																																											
1964	158088	159583	160280	160983	161683	162380	163073	163762	164447	165128	165805	166478	167147	167812	168473	169130	169783	170432	171077	171718	172355	172988	173617	174242	174863	175480	176093	176702	177307	177908	178505	179098																																																																																																																																																																																																																																																																																																																																																																											
1965	117829	118068	118344	118620	118896	119172	119448	119724	119999	120274	120548	120822	121096	121370	121644	121918	122192	122466	122740	123014	123288	123562	123836	124110	124384	124658	124932	125206	125480	125754	126028	126302	126576																																																																																																																																																																																																																																																																																																																																																																										
1966	155434	155344	155244	155144	155044	154944	154844	154744	154644	154544	154444	154344	154244	154144	154044	153944	153844	153744	153644	153544	153444	153344	153244	153144	153044	152944	152844	152744	152644	152544	152444	152344	152244																																																																																																																																																																																																																																																																																																																																																																										
1967	281726	282350	282974	283598	284222	284846	285470	286094	286718	287342	287966	288590	289214	289838	290462	291086	291710	292334	292958	293582	294206	294830	295454	296078	296702	297326	297950	298574	299198	299822	300446	301070	301694																																																																																																																																																																																																																																																																																																																																																																										
1968	208347	207482	206617	205752	204887	204022	203157	202292	201427	200562	199697	198832	197967	197102	196237	195372	194507	193642	192777	191912	191047	190182	189317	188452	187587	186722	185857	184992	184127	183262	182397	181532	180667	179802																																																																																																																																																																																																																																																																																																																																																																									
1969	173905	175439	175255	175071	174887	174703	174519	174335	174151	173967	173783	173599	173415	173231	173047	172863	172679	172495	172311	172127	171943	171759	171575	171391	171207	171023	170839	170655	170471	170287	170103	169919	169735	169551																																																																																																																																																																																																																																																																																																																																																																									
1970	281726	281000	280274	279548	278822	278096	277370	276644	275918	275192	274466	273740	273014	272288	271562	270836	270110	269384	268658	267932	267206	266480	265754	265028	264302	263576	262850	262124	261398	260672	259946	259220	258494	257768																																																																																																																																																																																																																																																																																																																																																																									
1971	168000	168988	169976	170964	171952	172940	173928	174916	175904	176892	177880	178868	179856	180844	181832	182820	183808	184796	185784	186772	187760	188748	189736	190724	191712	192700	193688	194676	195664	196652	197640	198628	199616	200604																																																																																																																																																																																																																																																																																																																																																																									
1972	116512	116326	116140	115954	115768	115582	115396	115210	115024	114838	114652	114466	114280	114094	113908	113722	113536	113350	113164	112978	112792	112606	112420	112234	112048	111862	111676	111490	111304	111118	110932	110746	110560	110374																																																																																																																																																																																																																																																																																																																																																																									
1973	90883	91078	91273	91468	91663	91858	92053	92248	92443	92638	92833	93028	93223	93418	93613	93808	94003	94198	94393	94588	94783	94978	95173	95368	95563	95758	95953	96148	96343	96538	96733	96928	97123	97318	97513	97708																																																																																																																																																																																																																																																																																																																																																																							
1974	227600	224729	221858	218987	216116	213245	210374	207503	204632	201761	198890	196019	193148	190277	187406	184535	181664	178793	175922	173051	170180	167309	164438	161567	158696	155825	152954	150083	147212	144341	141470	138599	135728	132857	130000																																																																																																																																																																																																																																																																																																																																																																								
1975	210501	210367	210233	210099	209965	209831	209697	209563	209429	209295	209161	209027	208893	208759	208625	208491	208357	208223	208089	207955	207821	207687	207553	207419	207285	207151	207017	206883	206749	206615	206481	206347	206213	206079	205945	205811	205677	205543	205409	205275	205141	205007	204873	204739	204605	204471	204337	204203	204069	203935	203801	203667	203533	203399	203265	203131	202997	202863	202729	202595	202461	202327	202193	202059	201925	201791	201657	201523	201389	201255	201121	200987	200853	200719	200585	200451	200317	200183	200049	199915	199781	199647	199513	199379	199245	199111	198977	198843	198709	198575	198441	198307	198173	198039	197905	197771	197637	197503	197369	197235	197101	196967	196833	196699	196565	196431	196297	196163	196029	195895	195761	195627	195493	195359	195225	195091	194957	194823	194689	194555	194421	194287	194153	194019	193885	193751	193617	193483	193349	193215	193081	192947	192813	192679	192545	192411	192277	192143	192009	191875	191741	191607	191473	191339	191205	191071	190937	190803	190669	190535	190401	190267	190133	190000	189866	189732	189598	189464	189330	189196	189062	188928	188794	188660	188526	188392	188258	188124	187990	187856	187722	187588	187454	187320	187186	187052	186918	186784	186650	186516	186382	186248	186114	185980	185846	185712	185578	185444	185310	185176	185042	184908	184774	184640	184506	184372	184238	184104	183970	183836	183702	183568	183434	183300	183166	183032	182898	182764	182630	182496	182362	182228	182094	181960	181826	181692	181558	181424	181290	181156	181022	180888	180754	180620	180486	180352	180218	180084	179950	179816	179682	179548	179414	179280	179146	179012	178878	178744	178610	178476	178342	178208	178074	177940	177806	177672	177538	177404	177270	177136	177002	176868	176734	176600	176466	176332	176198	176064	175930	175796	175662	175528	175394	175260	175126	174992	174858	174724	174590	174456	174322	174188	174054	173920	173786	173652	173518	173384	173250	173116	172982	172848	172714	172580	172446	172312	172178	172044	171910	171776	171642	171508	171374	171240	171106	170972	170838	170704	170570	170436	170302	170168	170034	169900	169766	169632	169498	169364	169230	169096	168962	168828	168694	168560	168426	168292	168158	168024	167890	167756	167622	167488	167354	167220	167086	166952	166818	166684	166550	166416	166282	166148	166014	165880	165746	165612	165478	165344	165210	165076	164942	164808	164674	164540	164406	164272	164138	164004	163870	163736	163602	163468	163334	163200	163066	162932	162798	162664	162530	162396	162262	162128	161994	161860	161726	161592	161458	161324	161190	161056	160922	160788	160654	160520	160386	160252	160118	160000	159866	159732	159598	159464	159330	159196	159062	158928	158794	158660	158526	158392	158258	158124	157990	157856	157722</

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

MAY

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	24185	24887	25800	27060	28732	30787	33086	35682	38308	40510	42524	44513	46388	48060	50532	52840	54980	56940	60040	63089	66194	70430	74330	72232	73605	75100	76304	77912	78908	79770	80574
1955	6205	6400	6580	6765	6962	7110	7463	7857	8301	8804	9383	10168	11090	11960	12846	13646	14360	15000	15584	16124	16624	17090	17520	17910	18260	18580	18880	19160	19420	19660	19880
1956	174622	175363	176844	179003	181102	183035	184859	186586	188204	189816	191423	193026	194617	196206	197794	199381	200968	202555	204142	205729	207316	208903	210490	212077	213664	215251	216838	218425	220012	221600	223187
1957	123555	125653	128419	127271	124917	123007	120546	118485	116829	115578	114722	114161	113875	113754	113787	113964	114285	114750	115369	116142	117070	118154	119394	120790	122342	124050	125914	127934	130110	132452	134960
1958	229327	231600	234441	237964	242442	247976	253518	259060	264602	270144	275686	281228	286770	292312	297854	303396	308938	314480	320022	325564	331106	336648	342190	347732	353274	358816	364358	369900	375442	380984	386526
1959	182119	188668	200327	200718	200979	201374	201639	201898	202157	202416	202675	202934	203193	203452	203711	203970	204229	204488	204747	205006	205265	205524	205783	206042	206301	206560	206819	207078	207337	207596	207855
1960	111742	112172	113356	114232	114795	115430	116122	116882	117629	118463	119385	120396	121496	122685	123963	125331	126789	128337	129975	131703	133521	135429	137427	139515	141693	143561	145119	146367	147305	148033	148551
1961	3204	3267	3300	3316	3345	3377	3390	3404	3419	3434	3449	3464	3479	3494	3509	3524	3539	3554	3569	3584	3599	3614	3629	3644	3659	3674	3689	3704	3719	3734	3749
1962	86320	90455	92814	95814	99422	103997	107706	111513	115489	119598	123989	128781	133904	139378	145223	151458	158093	165138	172603	180508	188873	197708	207033	216858	227193	238038	249403	261388	273903	286948	299523
1963	212733	214150	216203	218125	220322	222848	224772	226967	229547	232522	235902	239687	243877	248472	253472	258887	264717	270972	277662	284797	292387	300432	308942	317917	327357	336772	346172	355557	364927	374282	383622
1964	177464	179009	179312	175554	174038	174620	174632	174201	173070	174522	175421	176350	177312	178309	179341	180406	181504	182635	183799	184996	186226	187489	188785	190114	191476	192871	194299	195760	197254	198781	199330
1965	158911	163490	165705	167904	169888	170688	172101	173070	174522	175421	176350	177312	178309	179341	180406	181504	182635	183799	184996	186226	187489	188785	190114	191476	192871	194299	195760	197254	198781	199330	199330
1966	158911	163490	165705	167904	169888	170688	172101	173070	174522	175421	176350	177312	178309	179341	180406	181504	182635	183799	184996	186226	187489	188785	190114	191476	192871	194299	195760	197254	198781	199330	199330
1967	250869	252481	253535	255162	257398	259426	263001	267048	271662	276842	282667	289147	296392	304412	313227	322847	333272	344502	356537	369377	383022	397472	412827	429092	446267	464352	483347	503252	524067	545792	568427
1968	177000	181803	185888	189345	192345	194888	196988	198745	200168	201268	202056	202628	203003	203288	203482	203596	203630	203596	203482	203288	203003	202628	202056	201268	200168	198745	196988	194888	192345	189345	185888
1969	263325	263706	264088	264469	264851	265232	265614	265995	266377	266758	267139	267520	267901	268282	268663	269044	269425	269806	270187	270568	270949	271330	271711	272092	272473	272854	273235	273616	273997	274378	274759
1970	164881	165447	165925	166324	166743	167182	167641	168110	168599	169108	169637	170186	170755	171344	171953	172592	173261	173960	174689	175448	176237	177056	177905	178784	179693	180632	181601	182600	183629	184688	185767
1971	113265	113771	114325	114937	115607	116336	117125	117974	118883	119852	120881	121970	123119	124328	125597	126926	128315	129764	131273	132842	134471	136160	137909	139718	141587	143516	145505	147554	149663	151832	154061
1972	137098	138255	140022	142499	145686	149583	154190	159517	165664	172641	180558	189515	199622	210989	224726	240943	260650	283957	310964	351671	407078	478085	565692	670900	795707	941114	1109221	1302308	1529495	1792702	2090909
1973	281689	294274	312061	335748	365635	402922	447709	500096	560983	630470	709657	800544	905231	1026718	1166805	1327492	1511679	1722466	1962253	2234040	2640827	3186614	3886401	4754188	5814975	7084762	8582549	10350336	12400023	14877610	17820097
1974	126548	128177	130822	134583	140560	147873	156622	166907	178830	192489	208074	225685	245422	267395	291714	318479	347636	379185	414234	452783	494932	540681	590030	644079	702828	766277	834526	907675	985824	1068973	1152282
1975	156200	158551	161510	165173	169550	174653	180496	187089	194542	202865	212068	222151	233124	245087	258050	272013	286976	302939	319902	337865	356828	376791	398754	422717	448680	475643	503606	532569	562532	593495	625458
1976	261441	263682	266543	270024	274135	278876	284257	290278	296939	304240	312181	320762	330083	340244	351245	363086	375767	389288	403749	419150	435491	452772	471093	490454	510865	532326	554847	578428	603069	628770	655531
1977	60141	62362	64843	67584	70605	73926	77547	81468	85699	90240	95091	100252	105723	111504	117605	124036	130807	137928	145409	153250	161461	170042	179003	188344	198065	208166	218647	229508	240749	252370	264381
1978	281441	283682	286543	290024	294135	298876	304257	310278	316939	324240	332181	340762	350083	360244	371245	383086	395767	409288	423749	439150	455491	472772	490993	510154	530265	551326	573347	596328	620269	645070	670731
1979	333206	335077	337004	340178	343601	347382	351523	356034	360915	366166	371787	377778	384139	390870	397981	405472	413353	421624	430285	439336	448777	458608	468829	479440	490441	501842	513643	525844	538445	551446	564847
1980	365886	368223	370677	374250	378953	384784	391745	399836	409047	419378	430829	443400	457091	471902	487833	503894	520085	537406	555857	575438	596149	617990	640971	665092	690353	716754	744285	772946	802727	833628	865649
1981	267871	270471	273283	276306	279550	283025	286740	290695	294890	299325	303990	308885	314010	319365	324950	330765	336800	343055	349530	356235	363170	370325	377700	385295	393110	401145	409390	417845	426510	435385	444470
1982	376111	377156	378363	379632	380963	382354	383805	385316	386887	388518	390199	391930	393711	395542	397423	399354	401335	403366	405447	407578	409759	411990	414271	416602	418983	421414	423895	426426	428997	431608	434259
1983	306033	307466	308969	310542	312185	313908	315701	317564	319497	321500	323573	325716	327929	330212	332575	335018	337541	340144	342827	345590	348433	351356	354359	357442	360605	363848	367171	370574	374047	377580	381183
1984	314251	315276	316366	317519	318734	319911	321150	322451	323814	325239	326726	328275	329886	331559	333294	335091	336950	338871	340854	342899	344906	346975	349106	351299	353554	355871	358250	360691	363194	365759	368386
1985	306901	307429	307968	308517	309076	309645	310224	310813	311412	312021	312640	313269	313908	314557	315216	315885	316564	317253	317952	318661	319380	320109	320848	321597	322356	323125	323904	324693	325492	326301	327120
1986	435548	436467	437406	438365	439344	440343	441362	442401	443460	444539	445638	446757	447896	449055	450234	451433	452652	453891	455150	456429	457728	459047	460386	461745	463124	464523	465942	467381	468840	470319	471818
1987	246924	247299	247674	248049	248424	248799	249174	249549	249924	250299	250674	251049	251424	251799	252174	252549	252924	253299	253674	254049	254424	254799	255174	255549	255924	256299	256674	2570			

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

JUNE

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
1954	81176	81900	82962	83784	84544	85000	85180	85304	85380	85394	84734	83974	83214	82280	81546	80840	80140	79467	78716	78176	77800	77102	76700	76016	75195	74155	73105	71722	70634	68612				
1955	27558	28178	28696	29214	29732	30143	30408	30624	30798	30932	31026	31080	31094	31058	30982	30866	30710	30514	30278	30002	29686	29330	28934	28508	28002	27416	26750	26014	25208	24342				
1956	239108	241431	244120	246920	249840	251575	252817	253577	253844	253614	252888	251664	250042	248022	245604	242788	239574	236062	232352	228454	224378	220124	215702	211124	206394	201516	196490	191316	185994	180526				
1957	151805	154665	158517	162340	166134	169900	173636	177342	181018	184664	188280	191866	195412	198918	202384	205810	209196	212542	215848	219114	222340	225526	228672	231778	234844	237870	240856	243802	246708	249574				
1958	419405	417863	422129	425633	428203	430839	432533	433287	433103	432074	430200	427482	423920	419522	414288	408220	401328	393622	385202	376066	366314	356046	345272	334002	322336	310274	297816	284962	271710	258062				
1959	207143	206480	204888	203363	201908	200522	199204	197954	196772	195658	194602	193604	192664	191782	190958	190192	189484	188834	188242	187708	187232	186814	186454	186152	185908	185722	185594	185514	185482	185498	185562			
1960	118730	118825	118873	118885	118868	118824	118752	118656	118536	118392	118224	118032	117810	117568	117306	117024	116722	116400	116058	115696	115314	114912	114490	114048	113586	113104	112592	112050	111478	110876	110244			
1961	47316	47357	47407	47466	47534	47610	47694	47786	47886	47994	48110	48234	48366	48506	48654	48810	48974	49146	49326	49504	49688	49878	50074	50276	50484	50698	50918	51144	51376	51616	51862			
1962	133755	133508	133277	133061	132860	132674	132502	132344	132198	132064	131942	131832	131734	131646	131568	131498	131436	131382	131336	131298	131268	131244	131226	131214	131208	131208	131214	131226	131244	131268	131298			
1963	294844	298704	302104	305034	307504	309524	311104	312244	312954	313234	313084	312504	311494	310064	308224	305984	303354	300344	297064	293524	289734	285704	281434	276934	272204	267244	262064	256674	251084	245294	239304			
1964	201838	202104	202264	202334	202314	202214	202034	201774	201434	201014	200514	199934	199274	198534	197714	196814	195834	194774	193634	192414	191114	189734	188274	186734	185114	183414	181634	179774	177834	175814	173714			
1965	217495	217845	218215	218605	219015	219445	219895	220365	220855	221365	221895	222445	222915	223405	223915	224445	224995	225565	226155	226765	227395	228045	228715	229405	230115	230845	231695	232565	233455	234365	235295			
1966	374280	376729	378978	380918	382577	384033	385387	386641	387795	388849	389803	390657	391411	392065	392719	393273	393827	394381	394935	395489	396043	396597	397151	397705	398259	398813	399367	399921	400475	401029	401583			
1967	295433	295713	295996	296281	296568	296856	297144	297432	297720	298008	298296	298584	298872	299160	299448	299736	299924	300112	300300	300488	300676	300864	301052	301240	301428	301616	301804	301992	302180	302368	302556			
1968	467616	467772	467928	468084	468240	468396	468552	468708	468864	469020	469176	469332	469488	469644	469800	469956	470112	470268	470424	470580	470736	470892	471048	471204	471360	471516	471672	471828	471984	472140	472296			
1969	127298	128136	129024	129960	130944	131976	133056	134184	135360	136584	137856	139176	140544	141960	143424	144936	146496	148104	149760	151464	153216	155016	156864	158760	160704	162696	164736	166824	168960	171144	173376	175656		
1970	317214	320176	323200	326284	329428	332632	335896	339220	342604	346048	349552	353116	356740	360424	364168	367972	371836	375760	379744	383788	387892	392056	396280	400564	404908	409312	413776	418300	422884	427528	432232			
1971	216854	217776	218801	219929	221161	222497	223937	225481	227129	228881	230637	232497	234461	236529	238701	240977	243357	245841	248429	251121	253917	256817	259821	262929	266141	269457	272877	276401	280029	283761	287597	291537		
1972	127298	128136	129024	129960	130944	131976	133056	134184	135360	136584	137856	139176	140544	141960	143424	144936	146496	148104	149760	151464	153216	155016	156864	158760	160704	162696	164736	166824	168960	171144	173376	175656		
1973	328716	333635	339352	345877	353210	361352	370314	380196	391008	402750	415432	429164	443956	459908	477032	495348	514966	535896	558138	581692	606558	632740	660248	689084	719248	750740	783568	817732	853344	890404	928916	967880		
1974	416555	418227	420111	422207	424515	427035	429767	432711	435867	439235	442815	446607	450611	454827	459257	463901	468759	473831	479117	484621	490343	496283	502441	508817	515411	522223	529253	536501	543967	551651	559553	567663		
1975	306170	310747	316523	323507	332701	343105	354729	367573	381647	396971	413555	431409	450543	470967	492691	515725	540169	566023	593287	621961	652045	683549	716483	750847	786631	823845	862579	902833	944607	987891	1032685	1079149		
1976	163851	165065	166389	167823	169367	171021	172785	174659	176643	178737	180941	183255	185679	188213	190857	193611	196475	199449	202533	205727	209041	212475	216029	219703	223497	227411	231445	235599	239873	244267	248781	253415		
1977	72994	73665	74356	75067	75798	76549	77320	78111	78922	79753	80604	81475	82366	83277	84208	85159	86130	87121	88132	89163	90214	91285	92376	93487	94618	95769	96940	98131	99342	100573	101824	103095		
1978	380255	383377	386509	389651	392803	395965	399137	402319	405511	408713	411935	415177	418439	421711	425003	428315	431647	435009	438391	441793	445215	448657	452119	455601	459103	462625	466167	469729	473311	476913	480535	484177		
1979	429420	431627	433934	436341	438848	441465	444193	447031	450079	453337	456805	460483	464371	468469	472777	477295	482023	486961	492109	497467	503035	508813	514801	520999	527407	534025	540853	547891	555139	562607	570295	578203	586331	
1980	504280	509277	514394	519631	525088	530765	536673	542801	549139	555687	562445	569413	576591	583979	591577	599385	607403	615631	624069	632717	641575	650643	659921	669409	679107	689015	699133	709461	719999	730747	741705	752873	764251	
1981	308510	309710	310940	312200	313490	314810	316160	317540	318950	320390	321860	323360	324890	326450	328040	329660	331310	332990	334700	336440	338210	340010	341840	343690	345560	347460	349390	351350	353340	355360	357410	359490	361590	
1982	528333	530103	531924	533795	535716	537687	539708	541779	543899	546069	548289	550559	552879	555249	557669	560129	562629	565169	567749	570369	573029	575729	578469	581249	584069	586929	589829	592769	595749	598769	601829	604929	608069	
1983	487035	490565	494195	497925	501755	505685	509715	513845	518075	522405	526835	531365	536095	540925	545855	550885	556015	561245	566575	572005	577535	583165	588895	594725	600655	606685	612815	619045	625375	631805	638335	644965	651695	
1984	42776	43042	43318	43604	43900	44206	44522	44848	45184	45530	45886	46252	46628	47014	47410	47816	48232	48658	49094	49540	50006	50492	50988	51494	52010	52536	53072	53618	54174	54740	55316	55902	56498	57104
1985	376405	377346	378287	379228	380169	381110	382051	382992	383933	384874	385815	386756	387697	388638	389579	390520	391461	392402	393343	394284	395225	396166	397107	398048	398989	399930	400871	401812	402753	403694	404635	405576	406517	407458
1986	538781	543917	549153	554489	559925	565461	571097	576833	582669	588605	594641	600777	607013	613349	619785	626321	632957	639693	646529	653465	660501	667637	674873	682209	689645	697181	704817	712553	720389	728325	736361	744497	752733	761069
1987	273876	274817	275758	276700	277641	278582	279523	280464</																										

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

JULY

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	68240	67019	66524	66392	64529	63947	63889	62696	62110	61270	60290	59500	58820	58137	57170	56687	56116	54620	54178	53658	48976	48280	48776	50658	48976	48280	48776	47876	47876	46388	45488
1955	59372	58886	58473	57955	57283	56519	55830	55204	54588	53947	53285	52603	51923	51243	50563	49883	49203	48523	47843	47163	46483	45803	45123	44443	43763	43083	42403	41723	41043	40363	29004
1956	26274	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277	26277
1957	18070	17930	17821	17621	17543	17452	17352	17248	17139	17025	16907	16785	16659	16529	16395	16257	16115	15969	15820	15668	15513	15355	15194	15030	14863	14693	14520	14344	14165	13983	13800
1958	44570	44782	44936	44984	44984	44936	44869	44689	44497	44294	44080	43856	43622	43379	43127	42866	42606	42347	42089	41832	41576	41321	41067	40814	40562	40311	40061	39812	39564	39317	39072
1959	17507	17461	17417	17375	17334	17294	17255	17217	17180	17144	17109	17075	17042	17010	16978	16947	16916	16886	16856	16827	16798	16769	16741	16713	16685	16657	16629	16601	16573	16545	16517
1960	80114	79459	78813	78179	77550	76926	76307	75693	75084	74480	73881	73287	72698	72114	71535	70961	70392	69828	69270	68717	68170	67628	67091	66559	66032	65510	64993	64481	63974	63471	62972
1961	40169	40646	40963	41221	41424	41573	41678	41740	41760	41739	41667	41545	41374	41154	40886	40572	40213	39809	39366	38884	38363	37804	37207	36573	35903	35197	34456	33680	32879	32054	31206
1962	17370	17244	17167	17102	17050	17009	17006	16980	16931	16858	16743	16588	16433	16278	16123	15968	15813	15658	15503	15348	15193	15038	14883	14728	14573	14418	14263	14108	13953	13798	13643
1963	36370	36310	36267	36230	36198	36170	36146	36125	36107	36092	36080	36071	36064	36060	36058	36060	36064	36070	36077	36085	36094	36104	36115	36127	36140	36154	36169	36184	36199	36214	36229
1964	17494	17459	17425	17392	17360	17329	17300	17272	17245	17219	17194	17170	17147	17124	17102	17080	17059	17038	17018	17000	16982	16965	16949	16934	16920	16907	16895	16884	16874	16864	16854
1965	28382	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380	28380
1966	19845	19725	19579	19415	19235	19040	18823	18585	18327	18050	17755	17442	17112	16766	16405	16030	15642	15241	14828	14402	13963	13511	13047	12572	12087	11592	11087	10572	10047	9512	8957
1967	48181	48326	48435	48502	48524	48502	48435	48326	48181	48000	47784	47533	47248	46930	46580	46200	45790	45350	44880	44380	43850	43290	42700	42080	41430	40750	40040	39300	38540	37760	36960
1968	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080	57080
1969	31599	31522	31498	31480	31468	31461	31459	31461	31465	31471	31478	31486	31494	31502	31510	31518	31526	31534	31542	31550	31558	31566	31574	31582	31590	31598	31606	31614	31622	31630	31638
1970	29494	29415	29320	29217	29107	28992	28872	28748	28620	28488	28352	28212	28069	27923	27774	27622	27467	27309	27148	26984	26817	26647	26474	26298	26120	25940	25758	25574	25388	25200	25010
1971	11259	11165	11063	10953	10836	10712	10584	10452	10317	10179	10037	9892	9744	9593	9440	9284	9126	8966	8804	8640	8474	8306	8137	7967	7796	7624	7451	7277	7102	6927	6752
1972	36874	37091	37315	37545	37780	38020	38265	38515	38770	39030	39295	39565	39840	40120	40405	40695	40990	41290	41595	41905	42220	42540	42865	43195	43530	43865	44205	44550	44900	45255	45615
1973	47013	47191	47369	47547	47725	47903	48081	48259	48437	48615	48793	48971	49149	49327	49505	49683	49861	50039	50217	50395	50573	50751	50929	51107	51285	51463	51641	51819	51997	52175	52353
1974	37392	38064	38736	39408	40080	40752	41424	42096	42768	43440	44112	44784	45456	46128	46800	47472	48144	48816	49488	50160	50832	51504	52176	52848	53520	54192	54864	55536	56208	56880	57552
1975	13095	12946	12807	12668	12529	12390	12251	12112	11973	11834	11695	11556	11417	11278	11139	11000	10861	10722	10583	10444	10305	10166	10027	9888	9749	9610	9471	9332	9193	9054	8915
1976	78023	77521	77020	76519	76018	75517	75016	74515	74014	73513	73012	72511	72010	71509	71008	70507	70006	69505	69004	68503	68002	67501	67000	66500	66000	65500	65000	64500	64000	63500	63000
1977	48505	48574	48604	48634	48664	48694	48724	48754	48784	48814	48844	48874	48904	48934	48964	48994	49024	49054	49084	49114	49144	49174	49204	49234	49264	49294	49324	49354	49384	49414	49444
1978	41163	40948	40733	40518	40303	40088	39873	39658	39443	39228	39013	38798	38583	38368	38153	37938	37723	37508	37293	37078	36863	36648	36433	36218	36003	35788	35573	35358	35143	34928	34713
1979	53970	53824	53678	53532	53386	53240	53094	52948	52802	52656	52510	52364	52218	52072	51926	51780	51634	51488	51342	51196	51050	50904	50758	50612	50466	50320	50174	50028	49882	49736	49590
1980	18144	17997	17850	17703	17556	17409	17262	17115	16968	16821	16674	16527	16380	16233	16086	15939	15792	15645	15498	15351	15204	15057	14910	14763	14616	14469	14322	14175	14028	13881	13734
1981	55916	55861	55806	55751	55696	55641	55586	55531	55476	55421	55366	55311	55256	55201	55146	55091	55036	54981	54926	54871	54816	54761	54706	54651	54596	54541	54486	54431	54376	54321	54266
1982	62776	62796	62816	62836	62856	62876	62896	62916	62936	62956	62976	62996	63016	63036	63056	63076	63096	63116	63136	63156	63176	63196	63216	63236	63256	63276	63296	63316	63336	63356	63376
1983	35397	35346	35295	35244	35193	35142	35091	35040	34989	34938	34887	34836	34785	34734	34683	34632	34581	34530	34479	34428	34377	34326	34275	34224	34173	34122	34071	34020	33969	33918	33867
1984	55124	55003	54882	54761	54640	54519	54398	54277	54156	54035	53914	53793	53672	53551	53430	53309	53188	53067	52946	52825	52704	52583	52462	52341	52220	52099	51978	51857	51736	51615	51494
1985	25051	25041	25031	25021	25011	25001	24991	24981	24971	24961	24951	24941	24931	24921	24911	24901	24891	24881	24871	24861	24851	24841	24831	24821	24811	24801	24791	24781	24771	24761	24751
1986	17143	17077	17011	16945	16879	16813	16747	16681	16615	16549	16483	16417	16351	16285	16219	16153	16087	16021	15955	15889	15823	15757	15691	15625	15559	15493	15427	15361	15295	15229	15163
1987	80189	80648	81107	81566	82025	82484	82943	83402	83861	84320	84779	85238	85697	86156	86615	87074	87533	87992	88451	88910	89369	89828	90287	90746	91205	91664	92123	92582	93041	93500	93959
1988	14297	14164	14031	13898	13765	13632	13499	13366	13233	13100	12967	12834	12701	12568	12435	12302	12169	12036	11903	11770	11637	11504	11371	11238	11105	10972	10839	10706	10573	10440	10307
1989	17143	17077	17011	16945	16879	16813	16747	16681	16615	16549	16483	16417	16351	16285	16219	16153	16087	16021	15955	15889	15823	15757	15691	15625	15559	15493	15427	15361	15295	15229	15163
1990	80189	80648	81107	81566	82025	82484	82943	83402	83861	84320	84779	85238	85697	86156	86615	87074	87533	87992	88451	88910	89369	89828	90287	90746	91205	91664	92123				

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

AUGUST

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	445.9	434.6	424.36	412.6	401.6	387.0	375.30	372.79	364.19	353.36	347.40	338.80	330.10	322.39	315.66	308.82	301.60	294.95	288.79	283.58	278.52	274.38	271.14	267.53	263.96	257.83	252.80	248.89	245.06	240.83	236.73
1955	254.39	251.00	246.48	242.12	238.77	234.77	231.15	227.84	224.82	221.94	219.21	216.62	214.16	211.82	209.59	207.46	205.43	203.50	201.67	199.94	198.31	196.78	195.34	193.99	192.73	191.56	190.47	189.46	188.53	187.67	186.88
1956	230.28	248.51	246.20	243.59	240.68	237.46	234.03	230.40	226.58	222.56	218.34	213.92	209.30	204.48	199.36	193.94	188.22	182.20	175.88	169.26	162.34	155.12	147.60	139.78	131.56	122.94	113.92	104.50	94.68	84.46	73.84
1957	146.83	145.71	144.68	143.90	143.24	142.71	142.30	141.99	141.78	141.57	141.36	141.15	140.94	140.73	140.52	140.31	140.10	139.89	139.68	139.47	139.26	139.05	138.84	138.63	138.42	138.21	138.00	137.79	137.58	137.37	137.16
1958	367.37	363.83	359.22	352.75	345.82	341.72	344.61	341.74	338.64	335.30	331.73	327.94	323.93	319.70	315.25	310.58	305.69	300.58	295.25	289.70	283.93	277.94	271.73	265.30	258.64	251.75	244.62	237.25	229.64	221.79	213.60
1959	383.34	382.14	381.24	380.35	379.46	378.57	377.68	376.79	375.90	375.01	374.12	373.23	372.34	371.45	370.56	369.67	368.78	367.89	367.00	366.11	365.22	364.33	363.44	362.55	361.66	360.77	359.88	358.99	358.10	357.21	356.32
1960	55.01	54.24	53.75	53.17	52.68	52.19	51.70	51.21	50.72	50.23	49.74	49.25	48.76	48.27	47.78	47.29	46.80	46.31	45.82	45.33	44.84	44.35	43.86	43.37	42.88	42.39	41.90	41.41	40.92	40.43	39.94
1961	330.06	328.52	326.98	325.44	323.90	322.36	320.82	319.28	317.74	316.20	314.66	313.12	311.58	310.04	308.50	306.96	305.42	303.88	302.34	300.80	299.26	297.72	296.18	294.64	293.10	291.56	290.02	288.48	286.94	285.40	283.86
1962	1281.68	1287.07	1293.54	1299.51	1307.49	1314.28	1323.09	1332.91	1343.74	1354.58	1365.42	1376.26	1387.10	1397.94	1408.78	1419.62	1430.46	1441.30	1452.14	1462.98	1473.82	1484.66	1495.50	1506.34	1517.18	1528.02	1538.86	1549.70	1560.54	1571.38	1582.22
1963	336.156	335.940	335.724	335.508	335.292	335.076	334.860	334.644	334.428	334.212	333.996	333.780	333.564	333.348	333.132	332.916	332.700	332.484	332.268	332.052	331.836	331.620	331.404	331.188	330.972	330.756	330.540	330.324	330.108	329.892	329.676
1964	1218.12	1212.06	1204.48	1194.80	1183.52	1170.72	1156.40	1140.56	1123.20	1104.32	1083.92	1062.00	1038.56	1013.60	987.12	958.08	926.48	893.32	858.60	822.32	784.48	745.04	704.00	661.36	617.04	570.96	523.12	473.44	421.92	368.48	312.12
1965	275.83	274.835	273.37	271.46	269.10	266.28	263.00	259.34	255.30	250.88	246.08	240.90	235.34	229.40	223.08	216.38	209.30	201.84	194.00	185.78	177.18	168.20	158.84	149.10	138.98	128.40	117.36	105.88	93.96	81.60	68.82
1966	136.53	137.936	136.302	133.602	130.902	128.202	125.502	122.802	120.102	117.402	114.702	112.002	109.302	106.602	103.902	101.202	98.502	95.802	93.102	90.402	87.702	85.002	82.302	79.602	76.902	74.202	71.502	68.802	66.102	63.402	60.702
1967	524.19	522.40	518.48	517.137	513.85	510.57	506.80	502.44	497.48	491.92	485.76	479.00	471.64	463.68	455.12	445.96	436.20	425.84	414.88	403.32	391.16	378.40	365.04	351.08	336.52	321.36	305.60	289.24	272.28	254.72	236.56
1968	164.74	164.87	164.93	164.98	165.03	165.08	165.13	165.18	165.23	165.28	165.33	165.38	165.43	165.48	165.53	165.58	165.63	165.68	165.73	165.78	165.83	165.88	165.93	165.98	166.03	166.08	166.13	166.18	166.23	166.28	166.33
1969	551.157	548.10	545.00	541.88	538.75	535.62	532.49	529.36	526.23	523.10	520.00	516.87	513.74	510.61	507.48	504.35	501.22	498.09	494.96	491.83	488.70	485.57	482.44	479.31	476.18	473.05	469.92	466.79	463.66	460.53	457.40
1970	283.477	281.041	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141	281.141
1971	167.821	166.82	165.79	164.76	163.73	162.70	161.67	160.64	159.61	158.58	157.55	156.52	155.49	154.46	153.43	152.40	151.37	150.34	149.31	148.28	147.25	146.22	145.19	144.16	143.13	142.10	141.07	140.04	139.01	137.98	136.95
1972	74.87	74.01	73.15	72.34	71.52	70.71	69.90	69.09	68.28	67.47	66.66	65.85	65.04	64.23	63.42	62.61	61.80	60.99	60.18	59.37	58.56	57.75	56.94	56.13	55.32	54.51	53.70	52.89	52.08	51.27	50.46
1973	31.687	31.724	31.688	31.653	31.618	31.583	31.548	31.513	31.478	31.443	31.408	31.373	31.338	31.303	31.268	31.233	31.198	31.163	31.128	31.093	31.058	31.023	30.988	30.953	30.918	30.883	30.848	30.813	30.778	30.743	30.708
1974	4.0874	4.07545	4.0635	4.05155	4.03955	4.02755	4.01555	4.00355	3.99155	3.97955	3.96755	3.95555	3.94355	3.93155	3.91955	3.90755	3.89555	3.88355	3.87155	3.85955	3.84755	3.83555	3.82355	3.81155	3.79955	3.78755	3.77555	3.76355	3.75155	3.73955	3.72755
1975	27.008	267.386	264.700	261.877	258.920	255.833	252.612	249.258	245.772	242.154	238.412	234.546	230.556	226.442	222.204	217.842	213.356	208.746	204.012	199.154	194.172	189.056	183.796	178.392	172.844	167.152	161.316	155.336	149.212	142.948	136.552
1976	88.946	87.780	86.545	85.238	83.860	82.419	80.914	79.344	77.706	75.999	74.222	72.374	70.454	68.462	66.398	64.262	62.052	59.768	57.410	54.978	52.472	49.892	47.234	44.506	41.708	38.840	35.902	32.894	29.816	26.668	23.450
1977	51.981	51.227	50.427	49.588	48.711	47.794	46.836	45.838	44.799	43.720	42.601	41.442	40.242	39.000	37.716	36.390	35.022	33.614	32.166	30.678	29.150	27.582	25.974	24.326	22.638	20.900	19.122	17.304	15.446	13.548	11.610
1978	46.656	46.440	46.189	45.900	45.573	45.207	44.799	44.358	43.884	43.376	42.834	42.258	41.648	40.994	40.306	39.584	38.828	38.038	37.214	36.356	35.464	34.538	33.578	32.584	31.556	30.494	29.398	28.268	27.104	25.906	24.674
1979	32.077	31.718	31.356	30.991	30.624	30.256	29.888	29.520	29.152	28.784	28.416	28.048	27.680	27.312	26.944	26.576	26.208	25.840	25.472	25.104	24.736	24.368	23.999	23.630	23.261	22.892	22.523	22.154	21.785	21.416	21.047
1980	50.649	50.682	50.620	50.562	50.504	50.446	50.388	50.330	50.272	50.214	50.156	50.098	50.040	49.982	49.924	49.866	49.808	49.750	49.692	49.634	49.576	49.518	49.460	49.402	49.344	49.286	49.228	49.170	49.112	49.054	48.996
1981	21.742	21.526	21.302	21.078	20.854	20.630	20.406	20.182	19.958	19.734	19.510	19.286	19.062	18.838	18.614	18.390	18.166	17.942	17.718	17.494	17.270	17.046	16.822	16.598	16.374	16.150	15.926	15.702	15.478	15.254	15.030
1982	37.480	37.629	37.780	37.931	38.082	38.233	38.384	38.535	38.686	38.837	38.988	39.139	39.290	39.441	39.592	39.743	39.894	40.045	40.196	40.347	40.498	40.649	40.800	40.951	41.102	41.253	41.404	41.555	41.706	41.857	42.008
1983	51.961	52.183	52.405	52.627	52.849	53.071	53.293	53.515	53.737	53.959	54.181	54.403	54.625	54.847	55.069	55.291	55.513	55.735	55.957	56.179	56.401	56.623	56.845	57.067	57.289	57.511	57.733	57.955	58.177	58.399	58.621
1984	35.184	34.828	34.472	34.116	33.760	33.404	33.048	32.692	32.336	31.980	31.624	31.268	30.912	30.556	30.200	29.844	29.488	29.132	28.776	28.420	28.064	27.708	27.352	26.996	26.640	26.284	25.928	25.572	25.216	24.860	24.504
1985	28.291	28.238	28.185	28.132	28.079	28.026	27.973	27.920	27.867	27.814	27.761	27.708	27.655	27.602	27.549	27.496	27.443	27.390	27.337	27.284	27.231	27.178	27.125	27.072	27.019	26.966	26.913	26.860	26.807	26.754	26.701
1986	46.501	46.205	45.909	45.613	45.317	45.021	44.725	44.429	44.133	43.837	43.541	43.245	42.949	42.653	42.357	42.061	41.765	41.469	41.173	40.877	40.581	40.285	39.989	39.693	39.397	39.101	38.805	38.509	38.213	37.917	37.621
1987	187.866	185.775	183.42	180.844	178.044	174.928	1																								

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

SEPTEMBER

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	2312	2274	2255	2180	2190	2120	2078	2041	1992	1950	1902	1864	1834	1800	1772	1754	1723	1675	1641	1617	1594	1569	1534	1504	1475	1449	1418	1377	1331	1304	
1955	1943	1817	1630	1850	1824	1800	1787	1765	1747	1704	1646	1627	1602	1573	1526	1569	1533	1522	1517	1516	1513	1514	1513	1510	1507	1506	1503	1491	1461	1474	
1956	19792	18494	16550	18442	18413	18219	18085	17921	17648	17357	17056	16740	16401	16038	15662	15281	14908	14542	14182	13828	13480	13138	12802	12472	12149	11832	11520	11212	10908	10608	
1957	12043	11963	11800	11663	11402	11168	10948	10735	10528	10326	10128	9934	9744	9558	9376	9198	9024	8854	8688	8526	8368	8214	8064	7918	7776	7638	7504	7374	7248	7126	
1958	27543	27030	27163	26937	26744	26545	26343	26147	25947	25744	25538	25328	25114	24896	24671	24441	24207	23969	23727	23481	23231	22978	22722	22463	22201	21936	21668	21397	21124	20848	
1959	7716	7754	7631	7659	7627	7595	7549	7539	7503	7466	7428	7389	7350	7311	7272	7233	7194	7155	7116	7077	7038	7000	6961	6922	6883	6844	6805	6766	6727	6688	
1960	3631	3597	3578	3559	3530	3498	3468	3428	3388	3346	3304	3262	3220	3178	3136	3094	3052	3010	2968	2926	2884	2842	2800	2758	2716	2674	2632	2590	2548	2506	
1961	2496	2363	2367	2341	2302	2278	2257	2232	2207	2182	2157	2132	2107	2082	2057	2032	2007	1982	1957	1932	1907	1882	1857	1832	1807	1782	1757	1732	1707	1682	
1962	10948	10408	10172	10110	10736	10626	10456	10286	10116	10163	10047	10287	10213	10150	10080	10041	9990	9937	9884	9831	9778	9725	9672	9619	9566	9513	9460	9407	9354	9301	
1963	26820	25753	25335	25381	25238	25120	25005	24921	24866	24836	24824	24831	24849	24876	24913	24950	24987	25024	25061	25098	25135	25172	25209	25246	25283	25320	25357	25394	25431	25468	
1964	10455	10126	10124	10159	10171	10047	10078	10056	10036	10025	10009	9988	9968	9948	9928	9908	9888	9868	9848	9828	9808	9788	9768	9748	9728	9708	9688	9668	9648	9628	
1965	242154	240853	239552	238251	236950	235649	234348	233047	231746	230445	229144	227843	226542	225241	223940	222639	221338	220037	218736	217435	216134	214833	213532	212231	210930	209629	208328	207027	205726	204425	
1966	10330	10082	10049	9874	9853	9907	9842	9783	9743	9698	9647	9597	9547	9497	9447	9397	9347	9297	9247	9197	9147	9097	9047	8997	8947	8897	8847	8797	8747	8697	
1967	36436	36487	36126	35781	35472	35100	34780	34316	33846	33372	32894	32412	31927	31440	30951	30460	29968	29475	28982	28489	28000	27509	27017	26524	26031	25538	25045	24552	24059	23566	
1968	12752	12723	12804	12655	12626	12510	12563	12516	12416	12487	12427	12461	12418	12340	12262	12184	12106	12028	11950	11872	11794	11716	11638	11560	11482	11404	11326	11248	11170	11092	
1969	42710	42432	42072	41778	41378	41051	40749	40467	40182	39909	39636	39363	39090	38817	38544	38271	38000	37729	37458	37187	36916	36645	36374	36103	35832	35561	35290	35019	34748	34477	
1970	19328	19247	19119	18960	18819	18778	18630	18522	18413	18304	18195	18086	17977	17868	17759	17650	17541	17432	17323	17214	17105	17000	16895	16790	16685	16580	16475	16370	16265	16160	
1971	13882	13806	13761	13705	13651	13588	13546	13491	13436	13381	13326	13271	13216	13161	13106	13051	12996	12941	12886	12831	12776	12721	12666	12611	12556	12501	12446	12391	12336	12281	
1972	5258	5258	5261	5240	5238	5226	5205	5183	5161	5139	5117	5095	5073	5051	5029	5007	4985	4963	4941	4919	4897	4875	4853	4831	4809	4787	4765	4743	4721	4699	
1973	25291	25210	25129	25048	24967	24886	24805	24724	24643	24562	24481	24400	24319	24238	24157	24076	23995	23914	23833	23752	23671	23590	23509	23428	23347	23266	23185	23104	23023	22942	
1974	30369	30262	30239	30264	30289	30314	30339	30364	30389	30414	30439	30464	30489	30514	30539	30564	30589	30614	30639	30664	30689	30714	30739	30764	30789	30814	30839	30864	30889	30914	
1975	19675	19543	19420	19184	19235	19124	19042	18927	18814	18701	18588	18475	18362	18249	18136	18023	17910	17797	17684	17571	17458	17345	17232	17119	17006	16893	16780	16667	16554	16441	
1976	6847	6789	6748	6664	6653	6587	6501	6481	6413	6373	6326	6279	6232	6185	6138	6091	6044	5997	5950	5903	5856	5809	5762	5715	5668	5621	5574	5527	5480	5433	
1977	39168	3884	3884	3878	3864	3840	3813	3783	3753	3723	3693	3663	3633	3603	3573	3543	3513	3483	3453	3423	3393	3363	3333	3303	3273	3243	3213	3183	3153	3123	
1978	36379	36213	36054	35901	35742	35583	35424	35265	35106	34947	34788	34629	34470	34311	34152	33993	33834	33675	33516	33357	33198	33039	32880	32721	32562	32403	32244	32085	31926	31767	
1979	23507	23496	23362	23302	23265	23143	23078	22948	22814	22675	22536	22397	22258	22119	21980	21841	21702	21563	21424	21285	21146	21007	20868	20729	20590	20451	20312	20173	20034	19895	
1980	40536	40191	39841	39491	39141	38791	38441	38091	37741	37391	37041	36691	36341	35991	35641	35291	34941	34591	34241	33891	33541	33191	32841	32491	32141	31791	31441	31091	30741	30391	
1981	17754	17670	17629	17525	17471	17359	17288	17158	17028	16898	16768	16638	16508	16378	16248	16118	15988	15858	15728	15598	15468	15338	15208	15078	14948	14818	14688	14558	14428	14298	
1982	40596	40330	40124	39947	39780	39613	39446	39279	39112	38945	38778	38611	38444	38277	38110	37943	37776	37609	37442	37275	37108	36941	36774	36607	36440	36273	36106	35939	35772	35605	
1983	49980	49432	48178	47817	47564	47186	46837	46501	46188	45899	45634	45392	45174	44979	44806	44656	44529	44424	44340	44277	44234	44211	44208	44225	44252	44289	44336	44393	44460	44537	
1984	297625	29627	29550	29430	29324	29229	29144	29069	28994	28919	28844	28769	28694	28619	28544	28469	28394	28319	28244	28169	28094	28019	27944	27869	27794	27719	27644	27569	27494	27419	
1985	22740	22384	22155	21984	21854	21778	21702	21626	21550	21474	21398	21322	21246	21170	21094	21018	20942	20866	20790	20714	20638	20562	20486	20410	20334	20258	20182	20106	20030	19954	
1986	16388	16243	16245	16140	16117	16071	16025	15969	15903	15827	15751	15675	15600	15524	15448	15372	15296	15220	15144	15068	14992	14916	14840	14764	14688	14612	14536	14460	14384	14308	
1987	9028	9008	7962	7941	7908	7874	7841	7818	7792	7746	7700	7654	7608	7562	7516	7470	7424	7378	7332	7286	7240	7194	7148	7102	7056	7010	6964	6918	6872	6826	
1988	10282	10288	10269	10171	10145	10104	10078	10053	10028	9999	9970	9941	9912	9883	9854	9825	9796	9767	9738	9709	9680	9651	9622	9593	9564	9535	9506	9477	9448	9419	
1989	51487	51359	51255	50966	50677	50388	50099	49810	49521	49232	48943	48654	48365	48076	47787	47498	47209	46920	46631	46342	46053	45764	45475	45186	44897	44608	44319	44030	43741	43452	
1990	102794	102709	102433	102154	101842	101514	101166	100808	100450	100092	99734	99376	99018	98660	98302	97944	97586	97228	96870	96512	96154	95796	95438	95080	94722	94364	94006	93648	93290	92932	
1991	88344	88034	88002	88570	88679	88625	88302	87979	87656	87333	87010	86687	86364	86041	85718	85395	85072	84749	84426	84103	83780	83457	83134	82811	82488	82165	81842	81519	81196	80873	
1992	30886	308204	308394	30876	30856	308200	30777	30734	30691	30648	30605	30562	30519	30476	30433	30390	30347	30304	30261	30218	30175	30132	30089	30046	30003	29960	29917				

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

OCTOBER

Units in acre-feet

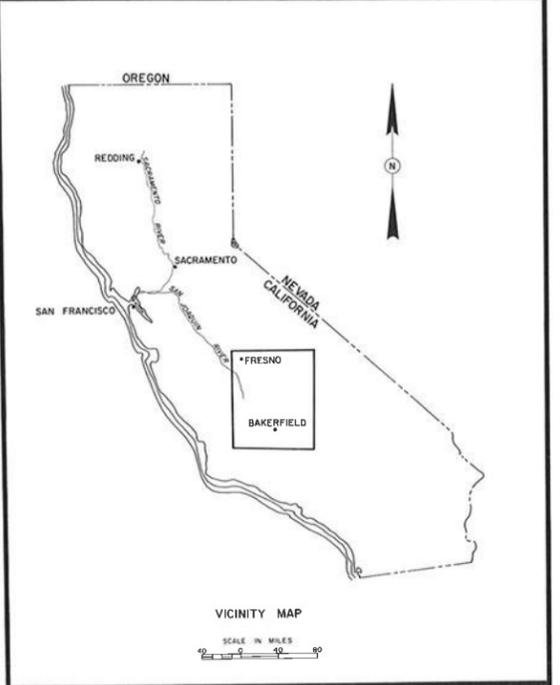
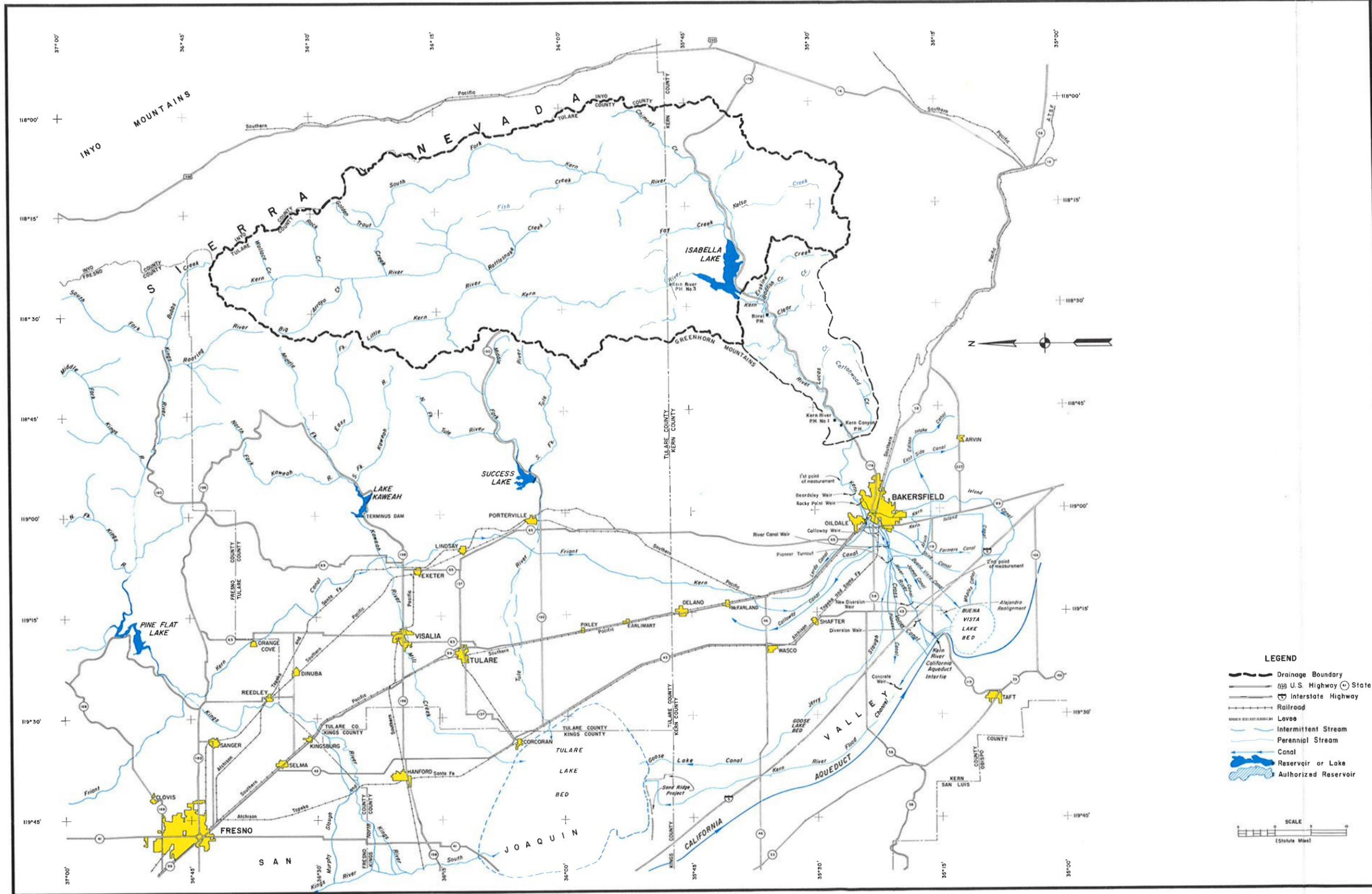
Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																											
1954	13110	12900	12874	12865	12800	12777	11917	11512	11317	11122	10943	10730	10710	10694	10719	10742	10774	10799	10816	10824	10824	10816	10816	10816	10816	10816	10816	10841	10867	10900	10900	10900																																																																																																										
1955	14614	14529	14434	14360	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264	14264																																																																																																										
1956	15291	15193	15079	14916	14819	14659	14506	14374	14248	14124	14001	13878	13755	13632	13509	13386	13263	13140	13017	12894	12771	12648	12525	12402	12279	12156	12033	11910	11787	11664	11541	11418																																																																																																										
1957	10694	10659	10629	10594	10559	10524	10489	10454	10419	10384	10349	10314	10279	10244	10209	10174	10139	10104	10069	10034	9999	9964	9929	9894	9859	9824	9789	9754	9719	9684	9649	9614	9579																																																																																																									
1958	20703	20632	20579	20536	20493	20450	20407	20364	20321	20278	20235	20192	20149	20106	20063	20020	19977	19934	19891	19848	19805	19762	19719	19676	19633	19590	19547	19504	19461	19418	19375	19332																																																																																																										
1959	74945	74177	74109	74076	74066	73998	73904	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866	73866																																																																																																										
1960	30543	30432	30302	30173	30062	29970	29886	29815	29866	29878	29859	29822	29804	29785	29767	29748	29730	29711	29693	29674	29656	29637	29619	29602	29585	29568	29550	29532	29514	29496	29478	29460																																																																																																										
1961	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684	11684																																																																																																									
1962	94625	94373	93973	93573	93173	92773	92373	91973	91573	91173	90773	90373	89973	89573	89173	88773	88373	87973	87573	87173	86773	86373	85973	85573	85173	84773	84373	83973	83573	83173	82773	82373	81973																																																																																																									
1963	214559	212126	209899	207409	205287	203289	201389	199438	197478	195468	193408	191308	189168	187008	184848	182688	180528	178368	176208	174048	171888	169728	167568	165408	163248	161088	158928	156768	154608	152448	150288	148128	145968																																																																																																									
1964	69894	69843	69802	69760	69718	69676	69634	69592	69550	69508	69466	69424	69382	69340	69298	69256	69214	69172	69130	69088	69046	69004	68962	68920	68878	68836	68794	68752	68710	68668	68626	68584	68542																																																																																																									
1965	20078	20710	20638	20563	20488	20413	20338	20263	20188	20113	20038	19963	19888	19813	19738	19663	19588	19513	19438	19363	19288	19213	19138	19063	18988	18913	18838	18763	18688	18613	18538	18463	18388																																																																																																									
1966	87746	86358	84971	83584	82197	80810	79423	78036	76649	75262	73875	72488	71101	69714	68327	66940	65553	64166	62779	61392	59999	58612	57225	55838	54451	53064	51677	50290	48903	47516	46129	44742	43355																																																																																																									
1967	27952	270475	257155	250706	250359	257118	254109	250906	247651	244421	241223	238025	234827	231629	228431	225233	222035	218837	215639	212441	209243	206045	202847	199649	196451	193253	190055	186857	183659	180461	177263	174065	170867																																																																																																									
1968	121982	121885	121798	121657	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583	121583																																																																																																									
1969	351900	348315	347192	346111	345030	343949	342868	341787	340706	339625	338544	337463	336382	335301	334220	333139	332058	330977	329896	328815	327734	326653	325572	324491	323410	322329	321248	320167	319086	318005	316924	315843	314762																																																																																																									
1970	18724	18627	18527	18427	18327	18227	18127	18027	17927	17827	17727	17627	17527	17427	17327	17227	17127	17027	16927	16827	16727	16627	16527	16427	16327	16227	16127	16027	15927	15827	15727	15627	15527																																																																																																									
1971	12598	123451	123004	122607	122210	121813	121416	121019	120622	120225	119828	119431	119034	118637	118240	117843	117446	117049	116652	116255	115858	115461	115064	114667	114270	113873	113476	113079	112682	112285	111888	111491	111094																																																																																																									
1972	50255	50229	50213	50187	50161	50135	50109	50083	50057	50031	50005	49979	49953	49927	49901	49875	49849	49823	49797	49771	49745	49719	49693	49667	49641	49615	49589	49563	49537	49511	49485	49459	49433																																																																																																									
1973	22251	220376	218833	218463	218109	217755	217401	217047	216693	216339	215985	215631	215277	214923	214569	214215	213861	213507	213153	212799	212445	212091	211737	211383	211029	210675	210321	209967	209613	209259	208905	208551	208197	207843																																																																																																								
1974	27488	27337	27286	27235	27184	27133	27082	27031	26980	26929	26878	26827	26776	26725	26674	26623	26572	26521	26470	26419	26368	26317	26266	26215	26164	26113	26062	26011	25960	25909	25858	25807	25756	25705																																																																																																								
1975	17820	17826	17814	17802	17790	17778	17766	17754	17742	17730	17718	17706	17694	17682	17670	17658	17646	17634	17622	17610	17598	17586	17574	17562	17550	17538	17526	17514	17502	17490	17478	17466	17454																																																																																																									
1976	7047	7047	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048	7048																																																																																																								
1977	36407	36407	36345	36345	36303	36261	36219	36177	36135	36093	36051	36009	35967	35925	35883	35841	35799	35757	35715	35673	35631	35589	35547	35505	35463	35421	35379	35337	35295	35253	35211	35169	35127	35085																																																																																																								
1978	36229	36142	36119	36081	36033	35985	35937	35889	35841	35793	35745	35697	35649	35601	35553	35505	35457	35409	35361	35313	35265	35217	35169	35121	35073	35025	34977	34929	34881	34833	34785	34737	34689	34641	34593																																																																																																							
1979	217018	217708	217968	217432	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282	217282																																																																																																								
1980	327931	325484	323138	320881	318634	316387	314140	311893	309646	307399	305152	302905	300658	298411	296164	293917	291670	289423	287176	284929	282682	280435	278188	275941	273694	271447	269200	266953	264706	262459	260212	257965	255718	253471	251224																																																																																																							
1981	171900	171488	171158	170818	170478	170138	169798	169458	169118	168778	168438	168098	167758	167418	167078	166738	166398	166058	165718	165378	165038	164698	164358	164018	163678	163338	162998	162658	162318	161978	161638	161298	160958	160618	160278	159938																																																																																																						
1982	374716	373779	372664	371483	370244	368947	367592	366189	364738	363239	361692	360097	358454	356763	355024	353287	351552	349819	348088	346359	344632	342907	341184	339463	337744	336027	334312	332600	330891	329184	327480	325779	324080	322383	320688	318995																																																																																																						
1983	394752	392267	391011	389200	387284	385772	384663	383858	383357	383152	383247	383642	384337	385332	386727	388422	390417	392812	395607	398802	402397	406392	410787	415582	420777	426372	432367	438762	445557	452752	460347	468342	476737	485532	494727	504322	514317	524712	535507	546702	558297	570292	582687	595482	608677	622272	636267	650662	665457	680652	696347	712542	729237	746432	764127	782322	801017	820212	840007	860402	881497	903292	925787	949082	973277	998372	1024267	1051062	1078757	1107352	1136847	1167242	1198537	1230732	1263927	1298122	1333317	1369512	1406707	1444902	1484097	1524292	1565487	1607682	1650877	1695072	1740267	1786462	1833657	1881852	1931047	1981242	2032437	2084632	2137827	2192022	2247217	2303412	2360607	2418802	2478097	2538492	2599887	2662282	2725677	2790072	2855467	2921862	2989257	3057652	3127047	3197442	3268837	3340232	3412627	3486022	3560417	3635812	3712207	3789602	3868097	3947692	4028387	4109182	4191077	4274072	4358167	4443362	4529657	4617052	4705547	4795142	4885837	4977632	5070527	5164522	5259617	535581

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

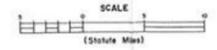
NOVEMBER

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																												
1954	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300	10300																																																																											
1955	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831	13831																																																																										
1956	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273	13273																																																																									
1957	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261																																																																									
1958	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540	20540																																																																									
1959	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576	72576																																																																								
1960	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415	29415																																																																								
1961	17688	17676	17683	17683	17625	17613	17600	17597	17575	17562	17549	17536	17523	17510	17497	17484	17471	17458	17445	17432	17419	17406	17393	17380	17367	17354	17341	17328	17315	17302	17289	17276	17263	17250	17237	17224																																																																							
1962	84691	84654	84616	84578	84540	84502	84464	84426	84388	84350	84312	84274	84236	84198	84160	84122	84084	84046	84008	83970	83932	83894	83856	83818	83780	83742	83704	83666	83628	83590	83552	83514	83476	83438	83400	83362	83324																																																																						
1963	17673	17573	17518	17462	17406	17350	17294	17238	17182	17126	17070	17014	16958	16902	16846	16790	16734	16678	16622	16566	16510	16454	16398	16342	16286	16230	16174	16118	16062	16006	15950	15894	15838	15782	15726	15670	15614	15558																																																																					
1964	95073	95073	94961	94849	94737	94625	94513	94401	94289	94177	94065	93953	93841	93729	93617	93505	93393	93281	93169	93057	92945	92833	92721	92609	92497	92385	92273	92161	92049	91937	91825	91713	91601	91489	91377	91265	91153	91041																																																																					
1965	172649	174553	173678	172888	172088	171288	170488	169688	168888	168088	167288	166488	165688	164888	164088	163288	162488	161688	160888	160088	159288	158488	157688	156888	156088	155288	154488	153688	152888	152088	151288	150488	149688	148888	148088	147288	146488	145688	144888																																																																				
1966	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649	172649																																																																				
1967	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443	223443																																																																				
1968	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262	118262																																																																				
1969	282712	281443	280019	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778	119778																																																																				
1970	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690	157690																																																																			
1971	120688	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737	120737																																																																				
1972	50387	50370	50344	50328	50312	50296	50280	50264	50248	50232	50216	50200	50184	50168	50152	50136	50120	50104	50088	50072	50056	50040	50024	50008	49992	49976	49960	49944	49928	49912	49896	49880	49864	49848	49832	49816	49800	49784	49768	49752																																																																			
1973	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754	206754																																																																		
1974	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262	243262																																																																		
1975	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094	172094																																																																		
1976	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172	68172																																																																			
1977	36520	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500	36500																																																																		
1978	292162	289943	287562	285422	283422	281422	279422	277422	275422	273422	271422	269422	267422	265422	263422	261422	259422	257422	255422	253422	251422	249422	247422	245422	243422	241422	239422	237422	235422	233422	231422	229422	227422	225422	223422	221422	219422	217422	215422	213422	211422	209422																																																																	
1979	211700	211700	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553	211553																																																																	
1980	268176	267490	266926	266410	265926	265442	264958	264474	263990	263506	263022	262538	262054	261570	261086	260602	260118	259634	259150	258666	258182	257698	257214	256730	256246	255762	255278	254794	254310	253826	253342	252858	252374	251890	251406	250922	250438	249954	249470	248986	248502	248018	247534	247050	246566	246082	245598	245114	244630	244146	243662	243178	242694	242210	241726	241242	240758	240274	239790	239306	238822	238338	237854	237370	236886	236402	235918	235434	234950	234466	233982	233498	233014	232530	232046	231562	231078	230594	230110	229626	229142	228658	228174	227690	227206	226722	226238	225754	225270	224786	224302	223818	223334	222850	222366	221882	221398	220914	220430	219946	219462	218978	218494	218010	217526	217042	216558</



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



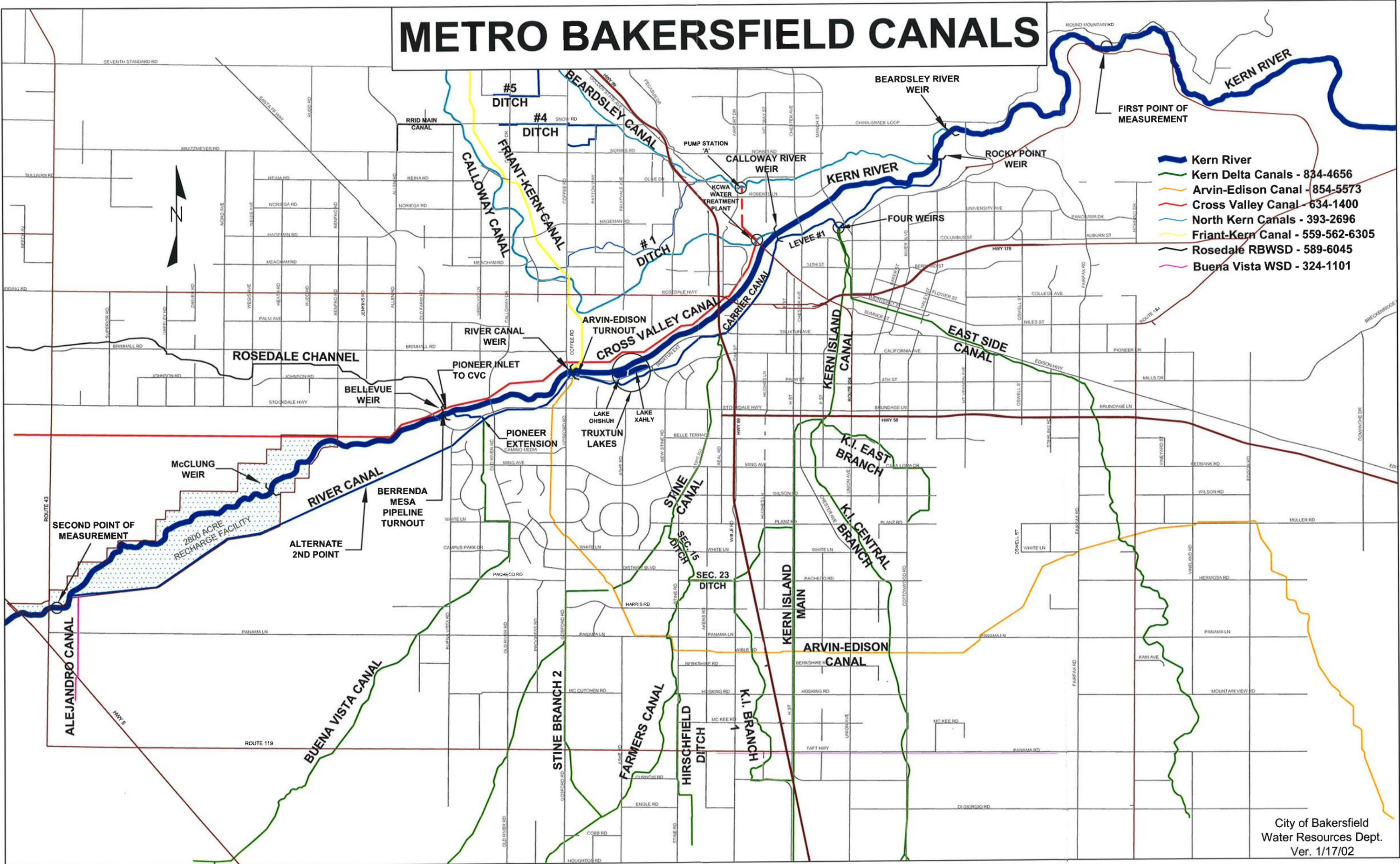
ISABELLA LAKE
KERN RIVER, CALIFORNIA

GENERAL MAP

CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA

Prepared: C.D.M. Date: NOVEMBER 1977
 Drawn: T.K.B.

METRO BAKERSFIELD CANALS



- Kern River
- Kern Delta Canals - 834-4656
- Arvin-Edison Canal - 854-5573
- Cross Valley Canal - 634-1400
- North Kern Canals - 393-2696
- Friant-Kern Canal - 559-562-6305
- Rosedale RBWSD - 589-6045
- Buena Vista WSD - 324-1101



CALIENTE CREEK
Looking upstream (northeast) from Hwy. 58 bridge crossing showing peak flood flow of 15,000 cfs.



KERN RIVER FIRST POINT
View of swollen river shortly after peak flow of 8,280 cfs had passed.



KERN ISLAND CANAL
Looking downstream (west) from top of China Grade. Junction of new and old channels of Kern Island canal can be seen in foreground. River is shown in middle distance following flood crest of 21,701 cfs.



CHINA GRADE BRIDGE
View of China Grade Bridge during peak of February 7, 1937 rain flood. Flow estimated at 20,000 cfs. Picture taken from a point on the south bank of the Kern River just upstream from the bridge.

