



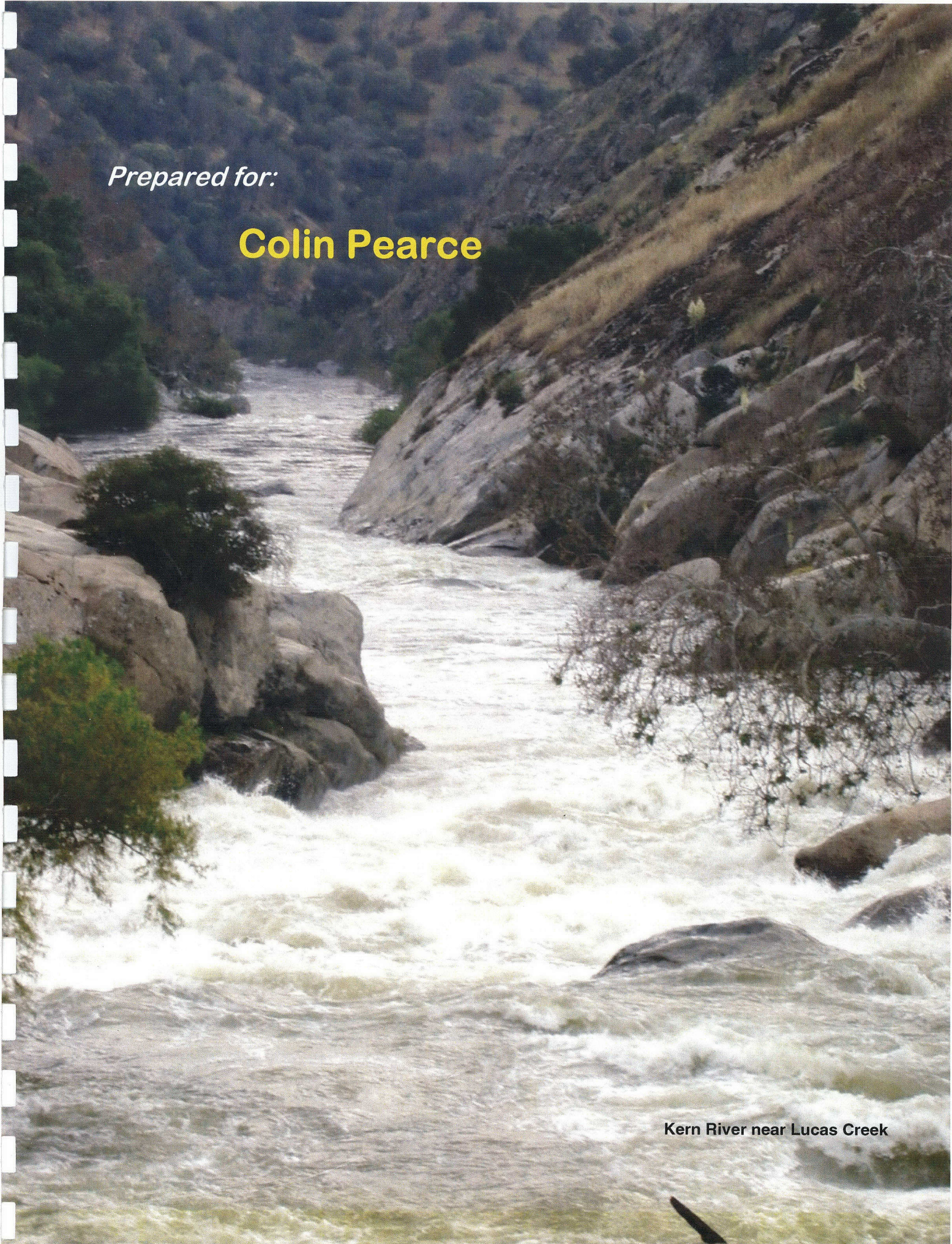
**KERN  
2008 RIVER**



*Prepared for:*

**Colin Pearce**

**Kern River near Lucas Creek**





2008  
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: 2008
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 . . . . . 36-40
c.	Eastside Canal Service Area . . . . . 41-42
d.	Buena Vista Canal Service Area . . . . . 43-45
e.	Stine Canal Service Area . . . . . 46-47
f.	Farmers Canal Service Area . . . . . 48
g.	Kern River Water Diverted via Kern River Canal . . . . . 49
h.	State Aqueduct Exchange Diversion and Storage Recap . . . . . 50
4.	CITY OF BAKERSFIELD:
a.	Kern River Channel Operations . . . . . 51
b.	Carrier Canal Operations . . . . . 52
c.	City Entitlements, Deliveries, Storage, etc. . . . . 53
d.	Summaries of Deliveries to Basic Contractors . . . . . 54-64
e.	Rosedale-Rio Bravo Water Storage District Summaries . . . . . 65-70
f.	Kern River Canal and Irrigating Company . . . . . 71
g.	South Fork Diversion Right Summary . . . . . 72
h.	Miscellaneous Water Delivery Summaries . . . . . 73-78
i.	Cross Valley Canal River Turnout Summaries . . . . . 79-82
5.	NORTH KERN WATER STORAGE DISTRICT:
a.	North Kern WSD Entitlements, Deliveries, Storage, etc. . . . . 83
b.	Beardeley-Lerdo Canal Operation Summaries . . . . . 84-88
c.	Calloway Canal Operation Summaries . . . . . 89-90
d.	Rosedale Ranch Improvement District Summary . . . . . 91-92
e.	North Kern WSD Irrigation Deliveries: 2008 . . . . . 93-94
f.	Poso Creek Summary . . . . . 95
g.	North Kern WSD Exchange Summaries . . . . . 96-104
h.	North Kern WSD/City of Bakersfield Water Exchange Recaps . . . . . 105-106
6.	COST ALLOCATION SUMMARIES . . . . . 107-111
7.	KERN RIVER WATERMASTER SUMMARIES:
a.	Hacienda Water District Storage Rental Charge: 2008 . . . . . 112
b.	Kern County Recreation Pool . . . . . 113
c.	Kern River Runoff: Calendar and Water Year . . . . . 114
d.	2008 Watermaster Recapitulation . . . . . 115
e.	2008 Isabella Reservoir Midnight Storage Recapitulation . . . . . 116
f.	January-December 2008 Watermaster Reports
g.	January-December 2008 Distribution Recaps
h.	1954-2008 Monthly Summaries of Isabella Reservoir Storage
i.	Location Maps: Kern River Drainage Basin and Metro Bakersfield Canals



# HISTORICAL DATA

CALIFORNIA HISTORICAL LANDMARK

## RIO DE SAN FELIPE

ONE MILE NORTH OF HERE ON  
MAY 1, 1776, FRANCISCO GARCES  
OF THE FRANCISCAN ORDER CROSS-  
ED KERN RIVER IN HIS SEARCH  
FOR A SHORTER ROUTE FROM  
SONORA, MEXICO, TO MONTEREY,  
CALIFORNIA. HE WAS THE FIRST  
KNOWN EXPLORER TO DESCRIBE  
THIS RIVER, WHICH HE NAMED  
RIO DE SAN FELIPE.

DEDICATED

MAY 1, 1938

BAKERSFIELD PARLOR N°42 N.S.G.W.  
EL TEJON PARLOR N°239 N.D.E.W.  
KERN COUNTY HISTORICAL SOCIETY  
KERN COUNTY CHAMBER OF COMMERCE

DEPARTMENT OF NATURAL RESOURCES REG. N° 278  
STATE OF CALIFORNIA





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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX	MIN	MEAN
Measurements and Estimates were not made prior to September 29, 1893																	
1893	acre-feet										32,864	30,827	31,757	--	--	--	--
	mean s.f.d.										534	518	516	--	--	--	--
1894	acre-feet	40,647	39,816	61,548	88,974	98,801	64,564	43,061	20,565	14,759	17,179	14,501	28,911	533,326	--	--	--
	mean s.f.d.	661	717	1,001	1,495	1,607	1,085	700	334	248	279	244	470	--	2,208	172	737
1895	acre-feet	49,769	69,521	84,456	162,071	268,635	172,890	91,133	38,672	20,452	20,091	20,604	24,758	1,023,052	--	--	--
	mean s.f.d.	809	1,252	1,374	2,724	4,369	2,906	1,482	629	344	327	346	403	--	5,583	276	1,413
1896	acre-feet	45,951	35,510	58,494	57,864	86,174	146,124	82,760	29,885	18,061	16,401	21,108	21,360	619,692	--	--	--
	mean s.f.d.	747	617	951	972	1,401	2,456	1,346	486	304	267	355	347	--	3,611	223	854
1897	acre-feet	22,949	44,941	56,756	173,393	281,639	137,393	61,837	28,842	17,728	20,888	21,146	25,922	893,434	--	--	--
	mean s.f.d.	373	809	923	2,914	4,580	2,309	1,006	469	298	340	355	422	--	5,342	260	1,234
1898	acre-feet	22,332	24,105	23,882	42,248	45,213	32,809	15,033	7,390	6,885	9,830	9,884	12,216	251,827	--	--	--
	mean s.f.d.	363	434	388	710	735	551	244	120	116	160	166	199	--	1,342	80	348
1899	acre-feet	16,185	16,754	36,279	53,133	51,353	79,178	30,046	9,600	6,248	9,852	13,180	17,064	338,872	--	--	--
	mean s.f.d.	263	302	590	893	835	1,331	489	156	105	160	221	278	--	4,932	86	468
1900	acre-feet	22,266	15,582	25,384	28,102	68,295	76,366	24,125	8,860	9,903	9,808	20,787	22,915	332,373	--	--	--
	mean s.f.d.	362	280	413	472	1,111	1,283	392	144	166	160	349	373	--	1,969	101	459
1901	acre-feet	30,337	47,760	78,109	83,190	186,446	197,792	114,613	59,536	20,535	19,468	22,429	19,874	880,089	--	--	--
	mean s.f.d.	493	860	1,270	1,398	3,032	3,324	1,864	968	345	317	377	323	--	4,419	226	1,216
1902	acre-feet	17,407	20,582	48,546	107,403	109,904	128,853	43,436	19,172	11,695	12,242	16,739	16,560	552,539	--	--	--
	mean s.f.d.	283	371	790	1,805	1,787	2,165	706	312	197	199	281	269	--	3,758	160	763
1903	acre-feet	21,531	25,192	35,575	74,315	132,097	139,222	53,355	18,623	11,357	10,681	12,107	12,340	546,395	--	--	--
	mean s.f.d.	350	454	579	1,249	2,148	2,340	868	303	191	174	203	201	--	3,374	150	755
1904	acre-feet	11,982	19,902	40,996	59,812	113,205	103,904	39,725	28,733	15,901	26,955	17,006	14,828	492,949	--	--	--
	mean s.f.d.	195	346	667	1,005	1,841	1,746	646	467	267	438	286	241	--	3,167	156	679
1905	acre-feet	17,258	22,001	50,598	62,047	117,748	132,766	53,835	20,134	12,563	12,744	14,041	16,074	531,809	--	--	--
	mean s.f.d.	281	396	823	1,043	1,915	2,231	876	327	211	207	236	261	--	3,247	165	735
1906	acre-feet	42,623	34,750	126,844	173,143	360,234	458,418	399,841	141,384	57,925	37,464	29,931	37,983	1,900,540	--	--	--
	mean s.f.d.	693	626	2,063	2,910	5,859	7,704	6,503	2,299	973	609	503	618	--	9,684	222	2,625
1907	acre-feet	41,697	56,834	83,272	197,720	199,950	183,995	97,083	41,940	24,623	22,428	19,747	21,611	990,900	--	--	--
	mean s.f.d.	678	1,023	1,354	3,323	3,252	3,092	1,579	682	414	365	332	351	--	--	--	1,369
1908	acre-feet	27,878	32,481	65,079	79,320	79,418	60,305	41,851	32,378	21,763	21,487	18,206	18,337	498,503	--	--	--
	mean s.f.d.	453	565	1,058	1,333	1,292	1,013	681	527	366	349	306	298	--	--	--	687
1909	acre-feet	118,441	125,050	128,649	247,402	382,617	394,086	194,877	66,224	43,448	31,214	34,350	72,292	1,838,643	--	--	--
	mean s.f.d.	1,926	2,252	2,092	4,158	6,223	6,623	3,169	1,077	730	508	577	1,176	--	11,870	295	2,540
1910	acre-feet	73,523	48,904	85,085	102,883	127,733	79,464	42,046	24,216	17,201	18,976	18,881	19,999	658,911	--	--	--
	mean s.f.d.	1,196	881	1,384	1,729	2,077	1,335	684	394	289	309	317	325	--	4,847	222	910

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX	MIN	MEAN
1911	acre-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	11,772	11,804	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	588	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	77,486	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	762	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	52,488	84,407	242,259	202,395	88,649	37,061	23,772	17,770	19,835	28,282	861,426	--	--	--
	mean s.f.d.	499	609	853	1,419	3,940	3,401	1,442	603	400	289	333	460	--	5,300	196	1,190
1923	acre-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	32,688	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	556	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	28,404	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-feet	12,284	13,785	15,784	23,440	41,867	24,262	8,493	6,302	6,860	6,817	8,241	17,510	185,645	--	--	--
	mean s.f.d.	200	248	257	394	691	408	138	102	115	111	138	285	--	2,261	71	256
1932	acre-feet	22,235	39,596	68,647	111,273	154,742	166,404	94,013	28,243	13,593	13,942	12,077	12,962	737,727	--	--	--
	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-feet	17,175	21,021	36,244	57,285	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-feet	20,033	16,842	27,429	39,919	43,065	21,820	11,341	6,948	7,043	8,196	11,272	13,757	227,665	--	--	--
	mean s.f.d.	326	303	446	671	700	367	184	113	118	133	189	224	--	914	82	314
1935	acre-feet	14,840	18,500	24,841	71,042	103,787	133,634	42,184	17,193	11,363	11,962	11,905	12,877	474,128	--	--	--
	mean s.f.d.	241	333	404	1,194	1,688	2,246	686	280	191	195	200	209	--	3,378	164	655
1936	acre-feet	14,737	46,808	57,374	157,290	219,404	137,028	67,902	32,987	14,372	15,423	15,828	17,294	796,447	--	--	--
	mean s.f.d.	240	814	933	2,643	3,568	2,303	1,104	536	242	251	266	281	--	4,173	194	1,097
1937	acre-feet	21,745	139,109	111,443	183,505	352,050	225,395	91,097	32,186	17,780	17,173	16,379	52,320	1,260,182	--	--	--
	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-feet	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-feet	28,558	33,273	54,119	92,136	92,253	58,400	25,480	18,774	13,712	16,826	13,692	13,850	461,073	--	--	--
	mean s.f.d.	464	599	880	1,548	1,500	981	414	305	230	274	230	225	--	2,028	178	637
1940	acre-feet	45,082	65,032	77,810	118,175	196,465	145,503	50,471	18,926	13,234	14,670	16,007	27,723	789,098	--	--	--
	mean s.f.d.	733	1,131	1,265	1,986	3,195	2,445	821	308	222	239	289	451	--	5,454	167	1,087
1941	acre-feet	39,540	73,589	109,735	124,615	386,666	309,960	174,416	62,537	27,997	26,325	27,661	38,035	1,401,076	--	--	--
	mean s.f.d.	643	1,325	1,785	2,094	6,289	5,209	2,837	1,017	471	428	465	619	--	8,523	337	1,935
1942	acre-feet	49,438	40,834	58,487	112,666	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-feet	92,551	56,820	261,344	198,736	254,785	155,650	88,011	34,435	17,857	17,849	18,565	24,224	1,220,827	--	--	--
	mean s.f.d.	1,505	1,023	4,250	3,340	4,144	2,616	1,431	560	300	290	312	394	--	21,701	252	1,686
1944	acre-feet	27,473	32,781	69,836	80,223	150,109	115,862	59,197	20,305	12,843	12,952	21,521	22,435	625,537	--	--	--
	mean s.f.d.	447	570	1,136	1,348	2,441	1,947	963	330	216	211	362	365	--	3,071	191	862
1945	acre-feet	20,783	70,522	63,925	131,246	205,509	169,002	91,593	41,632	21,548	41,268	36,845	44,182	938,055	--	--	--
	mean s.f.d.	338	1,270	1,040	2,206	3,342	2,840	1,490	677	362	671	619	719	--	9,370	155	1,296
1946	acre-feet	45,481	34,854	60,958	109,658	155,476	85,880	39,733	20,091	13,261	16,141	31,365	37,785	650,683	--	--	--
	mean s.f.d.	740	628	991	1,843	2,529	1,443	646	327	223	263	527	615	--	3,814	192	899
1947	acre-feet	31,146	28,167	36,319	60,353	110,325	57,778	21,116	12,313	9,140	12,607	13,492	13,942	406,698	--	--	--
	mean s.f.d.	507	507	591	1,014	1,794	971	343	200	154	205	227	227	--	2,584	135	562
1948	acre-feet	13,486	13,267	16,233	43,976	86,108	78,565	31,331	9,927	6,899	8,908	9,586	11,220	329,506	--	--	--
	mean s.f.d.	219	231	264	739	1,400	1,320	510	161	116	145	161	182	--	2,206	97	454
1949	acre-feet	11,982	12,992	21,136	50,517	84,508	57,685	17,201	8,682	6,541	7,704	11,131	12,791	302,870	--	--	--
	mean s.f.d.	195	234	344	849	1,374	969	280	141	110	125	187	208	--	2,128	69	418
1950	acre-feet	17,119	39,761	37,087	76,155	98,483	90,367	34,901	12,179	10,393	9,955	96,968	77,992	601,360	--	--	--
	mean s.f.d.	278	716	603	1,280	1,602	1,519	568	198	175	162	1,630	1,268	--	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-feet	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,966	7,793	9,394	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-feet	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-feet	60,760	40,498	38,709	70,730	86,019	103,164	69,657	21,503	12,730	13,125	15,023	16,915	548,833	--	--	--
	mean s.f.d.	988	729	630	1,189	1,399	1,734	1,133	350	214	213	252	275	--	3,798	119	758
1954	acre-feet	22,019	30,361	44,575	101,203	139,719	73,553	39,642	19,198	12,571	12,351	15,328	17,837	528,357	--	--	--
	mean s.f.d.	358	547	725	1,701	2,272	1,236	645	312	211	201	258	290	--	2,948	150	729
1955	acre-feet	20,438	24,625	29,734	37,567	69,544	86,660	31,014	19,293	9,840	10,100	12,526	92,959	444,300	--	--	--
	mean s.f.d.	332	443	484	631	1,131	1,456	504	314	165	164	211	1,512	--	12,711	101	614
1956	acre-feet	82,943	49,993	62,767	97,553	159,683	168,876	99,529	41,141	21,370	23,397	17,042	16,568	840,862	--	--	--
	mean s.f.d.	1,349	869	1,021	1,639	2,597	2,838	1,619	669	359	381	286	269	--	5,167	207	1,158
1957	acre-feet	18,535	26,178	31,357	38,644	79,358	132,359	41,988	17,518	12,111	13,648	14,013	18,632	444,338	--	--	--
	mean s.f.d.	301	471	510	649	1,291	2,224	683	285	204	222	235	303	--	3,411	147	614
1958	acre-feet	22,088	39,453	68,140	168,105	316,974	230,866	115,724	56,190	27,515	20,815	19,835	19,025	1,104,730	--	--	--
	mean s.f.d.	359	710	1,108	2,825	5,155	3,880	1,882	914	462	339	333	309	--	6,592	236	1,526
1959	acre-feet	20,592	22,258	33,274	40,566	39,945	32,061	18,013	10,094	9,852	9,889	10,419	11,215	257,978	--	--	--
	mean s.f.d.	335	401	541	682	650	539	293	164	166	158	175	182	--	944	104	356
1960	acre-feet	13,363	30,682	31,908	46,272	58,336	47,181	16,683	9,638	8,678	10,187	14,183	12,926	300,037	--	--	--
	mean s.f.d.	217	533	519	778	949	793	271	157	146	166	238	210	--	1,690	99	413
1961	acre-feet	11,466	10,905	14,221	24,137	29,980	24,305	8,952	16,018	8,463	7,353	9,554	12,288	177,642	--	--	--
	mean s.f.d.	186	196	231	406	488	408	146	261	142	120	161	200	--	626	99	245
1962	acre-feet	13,507	53,411	37,660	147,463	135,884	157,253	74,874	25,416	13,849	14,051	12,407	11,929	697,704	--	--	--
	mean s.f.d.	220	962	612	2,478	2,210	2,643	1,218	413	233	229	209	194	--	3,604	144	964
1963	acre-feet	27,793	101,595	42,994	69,412	137,839	163,944	105,384	47,008	28,863	27,291	25,837	23,470	801,450	--	--	--
	mean s.f.d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	--	15,584	160	1,107
1964	acre-feet	19,943	17,119	25,146	42,946	61,521	54,658	23,803	14,097	9,025	9,150	14,939	46,919	339,266	--	--	--
	mean s.f.d.	324	298	409	722	1,001	919	387	229	152	149	251	763	--	4,693	120	467
1965	acre-feet	46,768	31,702	36,359	80,043	131,980	149,357	95,288	49,105	22,036	17,631	29,542	30,551	720,362	--	--	--
	mean s.f.d.	761	571	591	1,345	2,146	2,510	1,550	799	370	287	496	497	--	3,322	226	995
1966	acre-feet	29,272	22,439	39,108	66,779	82,336	45,431	23,347	18,141	9,608	10,822	15,501	313,811	678,595	--	--	--
	mean s.f.d.	476	404	636	1,156	1,339	763	380	295	161	176	261	5,104	--	80,029	112	937
1967	acre-feet	63,580	65,831	86,200	99,509	269,631	311,063	243,802	94,834	55,255	36,230	34,546	35,746	1,396,227	--	--	--
	mean s.f.d.	1,034	1,185	1,402	1,672	4,385	5,228	3,965	1,542	929	589	581	581	--	7,223	419	1,928
1968	acre-feet	34,052	40,354	48,803	65,584	87,991	64,054	30,690	20,600	11,466	13,599	16,982	19,585	453,760	--	--	--
	mean s.f.d.	554	702	794	1,102	1,431	1,076	499	335	193	221	285	319	--	1,923	155	625
1969	acre-feet	178,493	111,342	157,595	378,333	617,968	496,796	254,777	111,100	49,936	36,036	34,862	34,132	2,461,370	--	--	--
	mean s.f.d.	2,903	2,005	2,563	6,358	10,050	8,349	4,144	1,807	839	586	586	555	--	24,216	344	3,400
1970	acre-feet	66,480	41,419	59,917	63,513	110,057	95,700	50,138	24,224	14,392	13,301	21,519	28,814	589,474	--	--	--
	mean s.f.d.	1,081	746	974	1,067	1,790	1,608	815	394	242	216	362	469	--	6,298	171	814

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX	MIN.	MEAN
1971	acre-feet	34,143	30,960	41,913	52,661	66,635	82,707	42,472	19,841	11,371	11,540	14,102	19,109	427,454	--	--	--
	mean s.f.d.	555	557	682	885	1,084	1,390	691	323	191	188	237	311	--	1,895	125	590
1972	acre-feet	19,864	18,827	33,213	28,288	45,965	38,531	14,936	10,927	11,394	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-feet	33,628	36,395	52,778	110,892	288,652	230,390	93,834	41,028	23,030	18,995	22,342	27,788	979,652	--	--	--
	mean s.f.d.	547	655	858	1,864	4,694	3,872	1,526	667	387	307	375	452	--	5,886	220	1,353
1974	acre-feet	50,337	29,873	74,247	114,113	183,733	167,740	69,580	39,991	23,532	21,953	19,904	23,603	818,606	--	--	--
	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-feet	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	285	--	3,783	164	780
1976	acre-feet	16,308	16,994	23,074	25,924	47,151	20,930	14,749	14,573	25,097	20,523	12,954	11,191	249,468	--	--	--
	mean s.f.d.	265	295	375	436	767	352	240	237	422	334	218	182	--	1,188	142	344
1977	acre-feet	13,456	13,704	14,765	23,391	25,630	35,655	10,973	10,979	7,815	8,146	8,456	24,028	196,998	--	--	--
	mean s.f.d.	219	247	240	393	417	599	178	179	131	132	142	391	--	2,049	57	272
1978	acre-feet	46,596	116,432	175,484	181,700	363,157	354,825	194,693	74,001	61,696	29,562	26,874	28,485	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-feet	34,062	41,825	72,299	102,079	164,935	106,112	46,733	27,243	19,583	19,781	18,779	19,230	672,661	--	--	--
	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-feet	145,545	168,887	139,620	211,608	287,825	282,877	208,715	78,143	35,068	26,955	25,006	29,708	1,639,957	--	--	--
	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-feet	28,709	34,762	45,608	69,320	91,914	65,817	25,630	17,389	13,222	14,781	18,922	23,189	449,263	--	--	--
	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-feet	37,682	52,996	78,724	212,963	254,985	198,748	130,098	61,956	61,716	46,306	57,116	77,849	1,271,139	--	--	--
	mean s.f.d.	613	964	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-feet	87,905	138,514	265,543	206,473	478,625	571,846	288,866	154,935	68,503	63,300	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-feet	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-feet	40,423	40,610	53,371	136,241	146,799	99,858	41,395	23,956	17,024	16,495	22,314	33,945	672,431	--	--	--
	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-feet	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-feet	25,595	29,504	41,566	55,238	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-feet	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-feet	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-feet	12,916	13,127	23,048	32,048	38,600	29,345	13,380	8,386	6,428	8,834	8,340	9,148	203,571	--	--	--
	mean s.f.d.	210	236	375	538	628	493	218	136	108	144	140	149	--	845	78	281

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX	MIN	MEAN
1991	acre-feet	10,931	9,215	47,341	58,092	79,763	100,423	38,265	14,854	11,040	9,358	13,940	13,067	406,289	--	--	--
	mean s f d	178	166	770	976	1,297	1,688	622	242	186	152	234	213	--	5,025	109	561
1992	acre-feet	14,069	22,314	26,410	55,448	74,394	32,987	16,324	11,942	7,896	9,414	11,054	14,577	296,829	--	--	--
	mean s f d	229	388	430	932	1,210	554	265	194	133	153	186	237	--	1,584	104	409
1993	acre-feet	39,221	39,564	94,231	133,993	200,864	162,420	87,414	32,763	16,506	14,223	14,398	18,163	853,760	--	--	--
	mean s f d	638	712	1,533	2,252	3,267	2,730	1,422	533	277	231	242	295	--	3,957	203	1,179
1994	acre-feet	18,936	23,946	38,592	46,489	67,224	56,223	21,068	11,939	8,981	14,771	12,780	15,507	336,456	--	--	--
	mean s f d	308	431	628	781	1,093	945	343	194	151	240	215	252	--	1,686	121	465
1995	acre-feet	46,832	48,774	156,387	143,244	255,046	293,129	237,802	89,657	39,108	24,093	22,268	28,820	1,385,160	--	--	--
	mean s f d	762	878	2,543	2,407	4,148	4,926	3,867	1,458	657	392	374	469	--	8,420	240	1,913
1996	acre-feet	40,304	98,549	108,042	147,959	225,987	154,883	70,502	32,255	16,651	15,788	40,903	86,438	1,038,261	--	--	--
	mean s f d	655	1,713	1,757	2,487	3,675	2,603	1,147	525	280	257	687	1,406	--	9,024	222	1,430
1997	acre-feet	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-feet	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-feet	37,722	38,388	38,495	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-feet	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-feet	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
2002	acre-feet	27,533	21,072	31,603	58,838	69,991	63,775	22,703	10,439	7,720	8,939	73,894	28,189	424,696	--	--	--
	mean s f d	448	379	514	989	1,138	1,072	369	170	130	145	1,242	458	--	10,627	115	587
2003	acre-feet	33,402	31,428	48,924	56,146	113,472	118,383	37,075	24,278	14,555	10,798	12,962	18,301	519,724	--	--	--
	mean s f d	543	566	796	944	1,845	1,990	603	395	245	176	218	298	--	3,887	154	718
2004	acre-feet	23,359	25,131	70,461	64,197	78,343	56,378	23,084	12,349	9,322	13,031	14,507	17,143	407,305	--	--	--
	mean s f d	380	437	1,146	1,079	1,274	947	375	201	157	212	244	279	--	1,863	132	561
2005	acre-feet	71,631	48,599	94,332	132,119	288,847	238,352	129,182	48,311	25,615	23,800	21,707	33,614	1,156,109	--	--	--
	mean s f d	1,165	875	1,534	2,220	4,698	4,006	2,101	786	430	387	365	547	--	7,196	315	1,587
2006	acre-feet	55,466	36,668	65,938	147,043	309,409	232,520	106,756	38,834	21,072	19,989	17,542	20,604	1,071,841	--	--	--
	mean s f d	902	660	1,072	2,471	5,032	3,908	1,736	632	354	325	295	335	--	6,537	250	1,481
2007	acre-feet	20,874	21,917	34,887	35,649	51,267	24,131	12,363	9,941	8,547	9,951	10,100	13,065	252,692	--	--	--
	mean s f d	339	395	567	599	894	406	201	162	144	162	170	212	--	1,018	117	349
2008	acre-feet	22,580	36,754	56,727	80,991	123,177	89,078	38,095	15,558	10,145	11,022	16,933	16,937	517,997	--	--	--
	mean s f d	367	639	923	1,361	2,003	1,497	620	253	171	179	285	275	--	3,779	151	714

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

YEAR: 2008

October 1893 to Date...

Quantities in acre-feet except where noted...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow	37,510	43,393	65,517	98,893	156,667	138,558	71,888	31,050	18,261	17,313	20,125	27,469	726,644
Mean Monthly Flow (second foot days)	610	774	1,066	1,662	2,548	2,329	1,169	505	307	282	338	447	1,003
Maximum Monthly Flow	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	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	115	115	115	115	115	115	115	115	115	116	116	116	
Cumulative Monthly Flow	4,313,698	4,990,154	7,534,457	11,372,643	18,016,722	15,934,147	8,267,134	3,570,709	2,099,966	2,008,277	2,334,469	3,186,365	
Median Monthly Flow	23,667	31,644	48,089	75,503	120,676	109,337	47,280	21,521	13,773	14,325	15,969	19,474	541,258
Median Monthly Flow (second foot days)	385	565	782	1,269	1,963	1,837	769	350	231	233	268	317	747

MEAN APRIL - JULY RUNOFF TO DATE = 466,006 AcFt  
 MEDIAN APRIL - JULY RUNOFF TO DATE = 352,796 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 598,147 AcFt  
 MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 450,504 AcFt





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

Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	470	726	865	1,300	2,128	2,720	1,684	718	364	298	290	351
2	520	694	893	1,304	2,156	2,693	1,664	695	360	294	288	361
3	609	659	966	1,322	2,198	2,682	1,639	676	358	292	286	372
4	510	611	943	1,338	2,261	2,672	1,609	659	349	289	282	389
5	516	610	970	1,363	2,305	2,677	1,552	634	362	282	284	490
6	485	665	935	1,385	2,340	2,680	1,508	618	366	289	285	1,058
7	474	787	896	1,401	2,364	2,671	1,462	603	342	280	287	514
8	477	736	913	1,426	2,404	2,636	1,418	589	330	285	358	427
9	480	777	995	1,451	2,443	2,581	1,375	574	319	286	377	431
10	509	748	1,036	1,476	2,471	2,556	1,335	565	309	282	319	440
11	528	688	1,042	1,569	2,477	2,520	1,286	556	304	280	320	450
12	563	704	998	1,585	2,479	2,497	1,250	543	308	277	316	433
13	572	808	1,006	1,580	2,504	2,479	1,221	518	298	276	310	411
14	662	799	1,016	1,601	2,534	2,444	1,198	500	288	272	313	388
15	586	792	992	1,623	2,563	2,410	1,160	498	287	272	309	385
16	597	768	1,029	1,664	2,586	2,361	1,134	490	282	273	309	381
17	586	791	1,050	1,682	2,618	2,327	1,102	479	281	279	318	383
18	651	887	1,107	1,709	2,654	2,284	1,075	476	279	278	332	376
19	623	888	1,098	1,749	2,696	2,244	1,042	473	273	277	454	369
20	587	879	1,093	1,795	2,702	2,208	1,017	460	274	280	406	367
21	594	828	1,130	1,837	2,697	2,173	983	441	275	278	363	374
22	682	833	1,120	1,872	2,701	2,139	954	425	274	274	373	403
23	699	854	1,136	1,885	2,689	2,092	939	415	273	275	360	525
24	705	829	1,140	1,902	2,695	2,031	937	401	272	274	380	477
25	932	831	1,184	1,922	2,716	1,977	896	391	288	271	382	481
26	908	825	1,206	1,957	2,760	1,915	866	380	326	279	361	457
27	760	830	1,242	1,985	2,768	1,871	846	378	302	283	373	489
28	713	825	1,251	2,033	2,771	1,822	816	380	286	284	367	465
29	634	859	1,252	2,051	2,781	1,773	784	378	290	284	358	453
30	612	-	1,248	2,091	2,771	1,721	761	373	287	290	386	496
31	668	-	1,280	-	2,754	-	731	368	-	296	-	453
TOTAL	18,912	21,877	33,032	49,858	78,986	69,856	36,244	15,654	9,206	8,729	10,146	13,849
MAXIMUM DAY	932	888	1,280	2,091	2,781	2,720	1,684	718	366	298	454	1,058
MINIMUM DAY	470	610	865	1,300	2,128	1,721	731	368	272	271	282	351
MEAN	610	774	1,066	1,662	2,548	2,329	1,169	505	307	282	338	447
TOTAL AC. FT.	37,510	43,393	65,517	98,893	156,667	138,558	71,888	31,050	18,261	17,313	20,125	27,469
WHOLE YEAR:-	TOTAL,	366,349	MAX.,	2,781	MIN.,	271	MEAN,	1,003	TOTAL AC.FT.,	726,644		

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

Year: 2008

**DISCHARGE IN CUBIC FEET PER SECOND**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	350	441	633	1,058	1,621	2,130	1,184	482	262	229	245	284
2	346	429	635	1,044	1,655	2,201	1,134	463	253	228	258	279
3	346	452	647	1,020	1,661	2,210	1,099	463	256	227	253	300
4	356	461	650	1,045	1,717	2,146	1,100	459	258	232	252	312
5	358	463	700	1,060	1,698	2,073	1,057	431	254	226	257	312
6	379	470	675	1,120	1,722	2,131	1,020	425	257	220	252	318
7	373	488	653	1,193	1,704	2,405	961	408	250	227	256	317
8	374	520	662	1,199	1,707	2,229	911	397	247	230	257	313
9	384	526	668	1,214	1,868	2,189	862	387	246	228	259	303
10	367	547	642	1,220	1,897	2,122	831	376	245	229	265	303
11	381	550	656	1,186	1,860	2,200	816	364	234	224	263	304
12	389	560	671	1,228	1,905	2,228	804	355	241	223	267	305
13	387	582	623	1,215	1,986	2,124	813	359	232	229	269	315
14	393	562	694	1,249	1,947	2,118	814	346	225	229	272	319
15	376	537	724	1,177	1,941	2,069	747	340	221	228	271	318
16	385	570	726	1,217	1,906	1,949	725	338	229	228	269	322
17	373	606	740	1,235	2,061	1,836	694	327	228	231	269	321
18	373	608	764	1,265	2,147	1,717	717	324	225	232	276	308
19	382	592	821	1,296	2,141	1,597	684	318	219	243	280	310
20	401	585	813	1,322	2,073	1,576	677	308	217	241	276	317
21	386	575	879	1,360	2,026	1,534	654	306	221	237	267	308
22	388	572	847	1,379	2,122	1,502	632	293	222	233	273	320
23	383	573	885	1,394	2,074	1,501	608	302	211	234	281	327
24	417	580	879	1,425	2,086	1,404	581	306	208	232	284	325
25	412	599	921	1,444	2,111	1,433	595	296	211	234	289	334
26	397	605	989	1,461	2,073	1,380	573	281	217	240	286	324
27	404	623	999	1,485	2,162	1,306	538	291	214	249	276	328
28	404	636	995	1,511	2,193	1,278	522	277	211	246	274	338
29	403	642	986	1,504	2,284	1,286	506	277	209	245	279	342
30	422	-	1,024	1,540	2,250	1,250	496	277	221	242	276	342
31	443	-	1,044	-	2,243	-	482	274	-	246	-	350
<b>TOTAL</b>	<b>11,932</b>	<b>15,954</b>	<b>24,245</b>	<b>38,066</b>	<b>60,841</b>	<b>55,124</b>	<b>23,837</b>	<b>10,850</b>	<b>6,944</b>	<b>7,222</b>	<b>8,051</b>	<b>9,818</b>
<b>MAXIMUM DAY</b>	<b>443</b>	<b>642</b>	<b>1,044</b>	<b>1,540</b>	<b>2,284</b>	<b>2,405</b>	<b>1,184</b>	<b>482</b>	<b>262</b>	<b>249</b>	<b>289</b>	<b>350</b>
<b>MINIMUM DAY</b>	<b>346</b>	<b>429</b>	<b>623</b>	<b>1,020</b>	<b>1,621</b>	<b>1,250</b>	<b>482</b>	<b>274</b>	<b>208</b>	<b>220</b>	<b>245</b>	<b>279</b>
<b>MEAN</b>	<b>385</b>	<b>565</b>	<b>782</b>	<b>1,269</b>	<b>1,963</b>	<b>1,837</b>	<b>769</b>	<b>350</b>	<b>231</b>	<b>233</b>	<b>268</b>	<b>317</b>
<b>TOTAL AC. FT.</b>	<b>23,667</b>	<b>31,644</b>	<b>48,089</b>	<b>75,503</b>	<b>120,676</b>	<b>109,337</b>	<b>47,280</b>	<b>21,521</b>	<b>13,773</b>	<b>14,325</b>	<b>15,969</b>	<b>19,474</b>
<b>WHOLE YEAR:-</b>	<b>TOTAL,</b>	<b>272,884</b>	<b>MAX.,</b>	<b>2,405</b>	<b>MIN.,</b>	<b>208</b>	<b>MEAN,</b>	<b>747</b>	<b>TOTAL AC.FT.,</b>	<b>541,258</b>		



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

Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	453	531	765	921	1,262	1,600	1,929	1,561	904	643	461	424
2	461	543	757	943	1,283	1,648	1,891	1,534	884	651	454	400
3	450	563	765	947	1,284	1,701	1,888	1,541	867	636	456	388
4	449	565	778	944	1,320	1,755	1,857	1,540	855	624	460	393
5	453	561	779	950	1,327	1,787	1,879	1,551	830	618	461	404
6	454	571	778	947	1,324	1,808	1,898	1,558	805	637	465	473
7	456	573	786	967	1,317	1,842	1,903	1,540	785	612	460	408
8	452	575	785	998	1,343	1,864	1,917	1,521	770	601	463	398
9	446	659	782	1,029	1,358	1,889	1,917	1,529	750	602	468	391
10	443	639	803	1,047	1,356	1,901	1,897	1,526	739	592	469	384
11	443	606	828	1,059	1,341	1,911	1,876	1,518	731	573	480	381
12	451	603	804	1,067	1,356	1,930	1,869	1,494	717	543	477	391
13	458	618	812	1,068	1,361	1,947	1,848	1,466	707	542	480	387
14	462	638	803	1,077	1,357	1,968	1,853	1,439	707	540	464	384
15	466	630	820	1,092	1,343	1,973	1,854	1,423	701	529	460	390
16	490	621	825	1,092	1,351	1,996	1,837	1,411	698	519	463	387
17	491	620	832	1,095	1,345	2,046	1,806	1,383	692	507	467	393
18	500	628	822	1,099	1,369	2,062	1,771	1,388	677	515	459	411
19	507	640	825	1,113	1,392	2,062	1,753	1,356	663	519	460	408
20	504	676	841	1,108	1,430	2,034	1,722	1,318	654	525	461	403
21	501	673	860	1,111	1,449	2,040	1,757	1,287	651	526	463	401
22	491	685	866	1,120	1,463	2,052	1,744	1,240	654	519	456	400
23	497	717	875	1,137	1,479	2,037	1,737	1,215	653	517	445	395
24	531	711	883	1,155	1,483	2,051	1,715	1,192	648	516	433	401
25	551	695	883	1,162	1,485	2,034	1,695	1,162	642	519	447	401
26	570	700	885	1,175	1,477	1,999	1,691	1,121	638	513	455	402
27	556	709	892	1,194	1,483	1,943	1,682	1,093	636	506	454	417
28	535	724	893	1,192	1,491	1,923	1,663	1,062	631	498	457	425
29	525	626	880	1,203	1,519	1,949	1,650	1,027	639	497	451	424
30	538	-	896	1,241	1,558	1,937	1,643	991	621	490	451	429
31	544	-	906	-	1,600	-	1,608	951	-	472	-	441
TOTAL	15,128	17,831	25,709	32,253	43,306	57,689	55,750	41,938	21,549	17,101	13,800	12,534
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.	102	67	143	86	223	215	349	84	64	40	66	22
MEAN	488	631	829	1,075	1,397	1,923	1,798	1,353	718	552	460	404
TOTAL AC. FT.	30,006	35,377	50,993	63,972	85,896	114,424	110,578	83,182	42,743	33,920	27,371	24,861
WHOLE YEAR:-	TOTAL,	354,588	MAX.,	9,289	MIN.,	22	MEAN,	969	TOTAL AC.F.T.,	703,323		



Year: 2008

Isabella Reservoir Daily Mean Storage (1954-2008)

MIDNIGHT STORAGE IN ACRE-FEET

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	153,593	164,904	175,240	190,082	220,410	287,700	302,001	256,822	202,119	175,859	157,019	149,352
2	153,874	165,264	175,669	190,891	222,024	289,766	301,311	255,072	200,982	175,065	156,619	149,279
3	154,551	165,394	176,025	191,637	223,653	291,706	300,560	253,226	199,855	174,127	156,227	149,327
4	154,860	165,471	176,482	192,432	225,360	293,459	299,796	251,332	198,761	173,557	155,819	149,286
5	155,159	165,567	177,046	193,180	227,036	295,145	298,878	249,377	197,798	172,810	155,394	149,698
6	155,322	165,693	177,406	193,920	228,789	296,721	297,874	247,364	196,886	172,035	154,992	152,333
7	155,460	165,856	177,692	194,628	230,502	298,254	296,784	245,373	195,939	171,309	154,580	152,870
8	155,603	166,133	178,039	195,281	232,225	299,586	295,558	243,444	194,984	170,570	154,489	153,017
9	155,786	166,567	178,353	195,977	234,063	300,746	294,278	241,419	194,032	169,838	154,453	153,094
10	156,045	166,981	178,759	196,668	236,051	301,811	292,958	239,404	193,076	169,113	154,177	153,206
11	156,356	167,215	179,258	197,657	238,019	302,730	291,563	237,428	192,138	168,429	153,868	153,397
12	156,824	167,413	179,663	198,673	239,947	303,550	290,107	235,462	191,256	167,818	153,516	153,475
13	157,372	167,879	180,010	199,656	241,949	304,166	288,659	233,485	190,347	167,185	153,178	153,512
14	157,904	168,332	180,404	200,613	243,963	304,755	287,197	231,539	189,414	166,555	152,858	153,522
15	158,203	168,755	180,732	201,601	246,096	305,203	285,642	229,625	188,489	165,949	152,549	153,512
16	158,635	169,152	181,091	202,561	248,321	305,560	284,098	227,747	187,559	165,375	152,211	153,503
17	158,981	169,537	181,495	203,562	250,618	305,764	282,534	225,866	186,654	164,845	151,923	153,475
18	159,159	170,346	181,861	204,563	252,997	305,818	281,014	223,970	185,779	164,297	151,699	153,430
19	159,451	171,058	182,246	205,564	255,545	305,886	279,453	222,159	184,921	163,742	151,437	153,304
20	159,700	171,803	182,615	206,631	258,125	305,954	277,844	220,392	184,081	163,200	151,157	153,303
21	159,981	172,297	183,067	207,751	260,647	305,931	276,152	218,622	183,275	162,606	150,917	153,247
22	160,254	172,742	183,580	208,895	263,214	305,830	274,490	216,935	182,446	162,036	150,760	153,324
23	160,502	173,190	184,132	209,998	265,743	305,678	272,792	215,255	181,613	161,471	150,573	153,899
24	160,897	173,535	184,683	211,072	268,241	305,370	271,105	213,616	180,805	160,920	150,435	154,228
25	162,062	173,932	185,232	212,165	270,657	305,015	269,374	211,990	180,063	160,345	150,347	154,534
26	162,823	174,411	185,788	213,276	273,142	304,654	267,586	210,423	179,485	159,808	150,164	154,785
27	163,291	174,544	186,425	214,494	275,660	304,318	265,810	208,896	178,809	159,319	149,918	155,131
28	163,590	174,835	187,148	215,841	278,167	303,904	264,022	207,431	178,066	158,825	149,705	155,344
29	163,779	-	187,825	217,281	280,682	303,343	262,201	206,009	177,330	158,520	149,523	155,479
30	163,906	-	188,491	218,818	283,054	302,703	260,378	204,644	176,603	157,893	149,469	155,582
31	164,285	-	189,275	-	285,414	-	258,558	203,331	-	157,485	-	155,651
MAXIMUM DAY	164,285	174,835	189,275	218,818	285,414	305,954	302,001	256,822	202,119	175,859	157,019	155,651
MINIMUM DAY	153,593	164,904	175,240	190,082	220,410	287,700	258,558	203,331	176,603	157,485	149,469	149,279

# HISTORICAL INFLOWS TO ISABELLA LAKE

## Runoff in 1,000 acre-feet

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955	118	144	160	181	227	281	351	679	834	291	189	103	3558
1956	95	115	90.4	77.1	48.2	59.9	94.5	156.3	167.4	97.2	38.1	20.3	870.4
1957	176	157	151	164	25.3	30.3	38.5	78.1	131.8	41.0	16.4	12.5	438.7
1958	136	133	176	206	36.5	61.5	153.6	312.3	231.7	120.1	51.1	25.8	1057.7
1959	206	187	178	178	21.2	31.7	39.5	39.4	33.0	15.8	9.9	9.6	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	686.7
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	268.1	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	14.7	21.1	25.3	36.9	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	137.9	13.7	23.1	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	186.1	73.1	58.9	1527.6
1979	28.1	24.3	27.2	32.2	36.7	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	73.7	81.0	121.2	227.6	182.2	465.9	567.1	124.6	152.5	61.0	1102.8
1983	45.1	55.2	30.4	33.9	49.5	71.4	202.9	253.0	194.9	285.8	152.5	26.9	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	16.7	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	198.9	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	21.4	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	71.1	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	94.1	94.1	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
2002	9.6	14.8	23.6	25.2	19.9	30.3	58.3	113.2	63.9	21.6	9.7	8.0	356.0
2003	9.0	71.8	26.3	30.9	29.6	47.3	54.5	113.2	118.1	36.1	23.4	14.8	575.0
2004	10.3	12.4	17.3	22.2	23.7	68.9	64.1	79.9	56.6	22.9	12.9	8.8	400.0
2005	12.7	14.5	16.3	68.9	47.2	91.0	129.8	283.4	231.2	123.5	45.0	26.4	1089.9
2006	22.6	19.5	31.2	51.6	35.2	62.1	143.5	296.9	222.7	100.3	36.9	20.2	1042.7
2007	18.8	17.4	20.2	19.7	20.7	33.7	35.5	51.7	24.4	13.7	10.0	8.8	274.6
2008	10.1	9.9	13.0	22.3	34.6	56.9	80.7	122.9	89.3	37.6	15.2	10.3	502.8
MEAN	16.8	19.9	30.0	38.7	43.0	62.5	91.5	154.0	136.5	71.7	32.1	19.5	716.1





**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	56.1	62.8	77.3	81.9	78.4	73.5	59.3	49.8	46.9	61.1
1958	46.3	49.3	47.6	56.1	68.7	77.2	79.7	82.8	72.2	67.3	50.8	50.8	62.3
1959	47.6	46.1	56.5	64.1	62.8	77.2	86.4	79.9	70.7	65.4	55.6	47.3	63.3
1960	41.7	45.8	55.6	57.2	63.6	79.8	83.0	80.0	76.0	61.6	50.9	45.3	61.7
1961	48.0	50.0	50.7	59.5	62.0	79.4	84.5	81.3	71.2	62.3	49.6	44.7	61.9
1962	44.7	46.4	48.0	61.3	60.9	73.4	79.6	74.4	74.4	63.2	53.0	47.8	61.0
1963	44.0	52.7	48.6	50.2	63.5	68.2	76.7	76.1	74.3	62.7	51.0	46.1	59.5
1964	43.3	44.8	47.2	53.6	60.6	70.5	79.4	78.8	70.1	66.8	48.6	47.2	59.2
1965	46.1	47.9	49.6	54.1	60.7	67.1	77.3	76.8	66.5	64.4	51.8	43.6	58.8
1966	41.9	43.8	52.4	60.7	68.0	73.3	77.8	79.5	72.4	62.2	51.2	44.4	60.6
1967	44.4	47.9	50.9	45.4	62.6	69.2	80.9	82.1	72.3	63.9	56.4	39.7	59.6
1968	42.8	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	42.4	54.3	65.9	69.6	78.9	79.4	69.6	57.6	53.3	45.0	59.3
1970	45.6	50.4	49.9	51.0	65.8	72.7	81.6	80.1	69.6	60.1	52.4	41.3	60.0
1971	43.4	44.8	50.6	52.5	58.3	70.7	79.7	79.7	70.9	56.4	48.6	38.8	57.9
1972	42.0	49.1	56.1	56.1	65.6	73.5	80.5	76.1	66.2	56.8	45.7	39.6	59.1
1973	40.3	45.7	42.8	53.0	64.9	73.1	76.9	74.8	68.5	59.1	46.9	44.9	57.6
1974	41.3	44.6	49.4	51.2	62.2	72.5	76.6	76.2	74.2	61.4	50.0	41.0	58.4
1975	43.1	43.6	45.7	45.7	60.7	71.2	75.9	73.6	72.4	57.6	48.7	45.1	56.9
1976	44.2	45.7	47.4	50.6	65.7	71.2	77.6	77.2	70.0	62.3	51.1	47.3	59.0
1977	42.8	48.4	43.8	55.4	65.4	74.0	77.6	70.5	66.3	53.6	44.5	44.5	58.3
1978	44.3	46.1	53.1	50.9	60.4	71.7	76.7	72.6	67.6	65.3	47.2	39.7	58.3
1979	40.7	41.7	48.5	60.6	63.2	71.4	75.9	72.6	74.0	61.8	50.0	48.4	59.1
1980	47.5	49.1	46.5	54.8	57.7	66.8	77.8	75.3	69.2	52.4	49.0	47.1	60.9
1981	46.3	49.5	47.7	57.0	63.6	76.0	79.1	79.7	73.2	56.9	52.9	47.1	59.6
1982	41.8	47.8	47.4	52.5	63.6	68.6	75.6	77.1	68.5	59.2	48.6	43.2	57.8
1983	45.2	47.2	48.5	49.9	61.4	69.2	73.0	75.7	74.6	61.3	50.2	46.1	58.5
1984	47.0	46.6	51.4	52.6	67.3	70.6	80.9	78.2	74.6	55.7	48.3	41.9	59.6
1985	43.2	45.7	46.5	59.3	62.9	75.1	79.9	75.3	65.1	59.0	47.0	44.5	58.6
1986	49.7	49.0	53.5	54.9	63.5	73.7	75.7	78.6	64.1	58.2	51.0	43.0	59.6
1987	38.9	45.9	38.9	59.0	63.2	73.8	72.6	76.5	69.6	64.4	48.6	36.8	56.2
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	58.2
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	77.2	67.6	53.4	45.2	59.9
1992	43.4	49.2	52.4	62.5	71.7	73.3	79.1	81.3	74.5	64.8	51.3	42.0	62.1
1993	42.5	45.5	54.9	56.8	65.3	70.5	76.7	77.0	72.5	62.7	50.9	43.2	59.9
1994	46.5	45.6	54.7	58.1	66.8	79.6	86.8	85.5	76.7	64.8	48.0	46.1	63.3
1995	45.2	56.1	53.8	56.2	61.4	71.4	81.0	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	53.2	56.1	67.8	80.5	82.5	71.2	59.3	50.8	43.9	59.1
1999	47.9	48.1	52.2	52.2	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
2002	43.2	50.4	51.0	57.7	65.4	76.3	83.6	79.4	74.7	62.0	55.8	45.8	63.2
2003	52.0	47.8	53.5	55.5	66.6	80.4	83.8	80.4	77.7	68.9	58.2	46.5	63.2
2004	44.9	45.3	59.1	60.1	66.7	75.7	81.9	80.6	72.8	60.0	49.8	46.7	62.0
2005	46.8	48.8	53.5	54.9	64.5	70.6	84.8	81.4	70.4	62.7	56.4	49.1	62.0
2006	46.9	49.9	45.8	68.3	77.4	77.4	84.5	79.2	75.0	62.1	54.5	46.0	62.1
2007	43.0	48.7	56.6	58.4	68.5	76.6	82.8	82.3	72.3	62.5	57.2	44.2	62.8
2008	44.1	47.9	53.0	57.9	65.5	78.9	83.6	83.3	76.6	64.8	55.6	44.9	63.0
Normal	44.5	47.3	50.8	55.6	63.8	73.1	79.8	78.5	72.3	62.1	51.5	44.7	60.3
Maximum	52.0	56.1	59.1	64.1	73.0	79.8	86.8	85.5	77.7	68.9	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	5.88	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	6.97	3.24	1.98	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	13.96	15.53	13.76	9.03	92.20
1959-60	6.57	4.05	2.67	1.49	2.10	5.08	6.39	8.46	13.11	13.14	12.99	9.54	86.59
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	4.59	3.11	4.37	6.51	8.93	11.88	13.95	12.68	9.30	82.06
1964-65	6.54	2.58	2.02	1.83	2.97	3.94	4.74	8.90	10.32	11.87	10.48	8.19	74.38
1965-66	6.26	2.25	1.40	2.11	2.41	4.84	7.86	11.10	12.75	14.07	14.04	9.51	88.60
1966-67	6.20	2.55	1.68	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	1.93	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	1.63	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	1.63	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	13.36	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	11.34	104.92
1981-82	5.95	3.66	2.36	2.08	3.06	3.66	6.84	11.19	12.15	15.28	13.36	8.26	87.47
1982-83	5.30	2.43	1.86	2.29	3.22	5.83	5.67	10.91	13.32	13.14	12.06	9.81	82.40
1984-85	5.95	2.73	1.92	2.26	3.00	4.56	8.76	12.43	15.18	16.03	14.76	8.79	96.37
1985-86	6.42	3.09	1.74	2.51	2.60	4.56	8.31	12.28	14.82	15.56	15.25	9.60	96.74
1986-87	5.98	3.81	2.11	1.93	3.30	4.46	8.52	10.45	14.19	15.59	15.31	10.74	96.29
1987-88	6.85	3.18	1.77	2.29	3.67	6.94	7.56	10.45	12.38	15.25	12.74	9.84	92.92
1988-89	6.73	3.24	1.95	2.23	2.74	6.01	9.90	12.43	14.94	18.07	14.88	9.93	103.05
1989-90	6.54	4.38	2.98	2.60	2.97	5.80	8.73	12.25	15.36	17.48	14.65	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	92.84
1991-92	7.44	5.61	4.71	4.25	4.34	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	2.51	2.51	5.44	7.35	9.99	14.93	15.60	14.96	9.75	94.99
1994-95	6.06	2.95	1.94	1.34	3.09	3.59	5.83	6.64	11.12	14.96	82.74	11.02	82.74
1995-96	7.75	4.31	2.43	2.65	1.96	5.20	12.78	14.88	14.88	15.78	14.03	10.50	101.41
1996-97	6.51	3.36	1.84	1.45	3.23	6.22	8.33	12.51	12.59	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	1.85	5.67	6.57	13.31	15.73	14.94	15.09	11.28	99.26
2001-02	7.59	3.34	1.98	1.78	3.62	5.06	7.81	11.42	14.99	14.73	14.73	11.28	98.85
2002-03	7.10	3.95	2.05	2.85	2.64	5.32	5.40	12.15	13.36	15.65	12.48	10.65	90.57
2003-04	7.36	3.02	2.53	2.20	1.74	5.96	8.86	12.15	14.44	16.22	14.21	11.30	99.99
2004-05	5.62	3.16	2.00	1.90	2.38	4.03	6.13	9.30	12.37	15.23	13.53	9.33	84.58
2005-06	6.15	4.33	2.00	2.62	2.78	4.93	6.93	11.26	11.93	14.10	12.23	10.17	83.09
2006-07	5.80	3.62	1.98	2.12	2.26	5.82	7.09	11.26	12.96	15.77	14.40	9.41	92.49
2007-08	7.99	5.30	2.61	2.78	3.13	5.23	7.21	8.49	12.69	13.77	13.67	10.63	93.50
MEAN	6.36	3.41	2.20	2.21	2.72	4.73	7.06	10.40	13.17	14.83	13.40	9.80	90.29

## ISABELLA RESERVOIR EVAPORATION

### April 1954 to Date

Quantities in acre-feet

Year: 2008

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954				181	1,682	2,554	2,599	1,563	833	436	192	109	10,129
1955		117	236	141	526	1,547	1,705	847	1,375	847	258	190	7,566
1956		788	1,444	1,797	3,330	5,496	6,084	5,484	4,183	2,056	1,650	897	33,616
1957		724	1,258	1,823	2,210	4,368	5,173	4,512	3,068	1,588	1,107	700	27,379
1958		494	734	2,043	6,462	7,720	7,720	6,843	4,729	3,521	1,603	1,307	40,519
1959		811	2,148	2,880	3,711	4,983	4,439	3,503	2,263	1,728	1,087	684	29,258
1960		323	1,099	1,505	2,287	3,372	2,720	2,128	1,379	783	341	280	16,663
1961		315	419	780	1,158	2,204	2,204	1,200	930	647	329	168	10,647
1962		188	446	1,105	4,128	4,840	4,084	4,084	2,880	1,684	916	770	23,530
1963		930	1,523	1,577	3,503	5,534	8,202	6,696	4,136	2,289	1,172	962	37,218
1964		916	1,418	2,162	3,221	4,584	4,842	3,915	2,836	2,057	849	635	28,540
1965		857	1,053	1,368	3,251	5,986	4,842	5,397	4,169	3,098	1,103	656	32,290
1966		843	1,555	2,624	4,159	5,117	5,246	4,576	2,821	3,098	767	928	31,288
1967		970	1,874	1,700	3,931	8,805	8,051	8,051	4,574	3,578	1,597	744	42,855
1968		801	1,380	2,511	4,243	5,258	5,258	4,048	3,239	1,954	991	476	31,405
1969		494	688	1,886	4,334	6,486	8,916	9,046	5,911	3,560	1,968	980	45,760
1970		885	1,289	2,593	4,954	6,051	6,959	6,376	4,597	3,010	1,623	619	40,891
1971		700	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	2,045	3,086	3,512	4,154	2,703	1,816	1,059	524	355	22,800
1973		434	496	1,738	4,009	7,698	9,126	7,109	5,530	3,308	1,981	966	43,411
1974		825	1,347	3,023	6,119	9,055	8,930	8,904	7,073	3,308	1,864	1,166	53,936
1975		1,174	1,002	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	2,537	4,552	5,226	4,860	3,261	2,108	1,609	984	702	30,250
1977		466	700	968	1,761	3,757	4,552	3,261	1,795	1,216	726	428	19,366
1978		343	621	1,597	5,891	9,253	10,969	9,945	6,020	5,115	2,049	996	55,497
1979		1,089	954	2,698	6,337	9,080	9,535	7,242	5,710	3,306	1,868	1,246	51,942
1980		1,047	1,375	3,701	4,943	8,289	10,374	10,171	6,637	4,544	2,446	1,565	57,335
1981		1,154	1,317	3,386	5,371	8,644	8,660	6,966	5,028	2,582	1,747	1,057	47,541
1982		827	1,093	3,172	6,563	8,180	10,967	9,418	5,732	4,086	1,769	1,063	54,193
1983		1,097	1,057	3,235	5,905	9,255	10,645	7,630	7,337	3,814	1,655	1,188	55,001
1984		1,624	1,547	3,594	7,055	8,327	7,914	7,650	6,085	3,642	1,642	1,103	52,220
1985		1,139	1,287	3,894	6,375	8,622	9,025	7,650	6,441	3,287	1,577	885	49,991
1986		1,119	1,150	2,323	7,436	10,088	10,933	10,276	6,361	3,866	2,329	1,206	61,827
1987		916	1,428	3,537	4,596	6,682	7,115	6,454	4,469	2,906	1,361	732	42,029
1988		823	1,178	2,132	3,148	4,667	4,667	3,318	2,493	1,777	865	500	27,004
1989		502	540	2,828	4,292	5,572	6,458	4,653	3,027	2,029	1,380	877	33,497
1990		667	649	1,148	2,705	3,713	3,993	2,872	2,035	1,609	797	480	22,423
1991		409	547	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	2,218	3,459	4,132	4,542	4,024	2,910	1,862	1,285	2,910	29,118
1993		970	1,081	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	2,945	4,253	6,827	6,833	5,585	3,431	2,221	1,099	704	38,343
1995		462	1,016	2,614	3,447	10,701	10,151	9,076	7,525	5,177	2,698	1,402	53,589
1996		1,341	914	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	7,260	8,057	8,941	8,428	5,790	4,219	1,611	1,196	55,815
1998		768	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	2,430	5,092	7,761	9,080	8,480	6,113	3,802	2,045	1,569	45,867
2000		849	649	1,686	5,060	6,944	7,315	6,327	4,320	2,529	1,363	1,252	41,235
2001		780	551	1,620	5,165	6,791	5,978	5,476	3,858	2,539	1,115	524	36,450
2002		541	928	2,053	3,634	5,581	5,997	4,647	3,338	2,081	1,488	813	32,055
2003		1,018	833	1,714	3,932	6,484	6,026	4,911	3,916	3,316	1,071	1,071	40,668
2004		827	575	2,027	4,852	6,083	6,526	5,062	3,658	1,791	1,029	633	36,346
2005		486	718	1,341	5,040	8,194	10,526	8,963	6,010	3,866	2,604	1,016	51,305
2006		1,327	1,210	2,541	5,429	6,944	8,164	6,851	5,617	3,281	2,075	1,089	45,525
2007		1,016	934	2,838	4,715	5,546	6,323	6,851	5,617	3,281	1,872	891	37,690
2008		863	877	1,551	3,394	5,818	6,305	5,530	3,935	2,785	1,404	1,021	35,891
Average	817	908	1,580	2,476	4,282	6,207	7,051	5,966	4,195	2,719	1,444	889	38,565

**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	196,112
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	369,980	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 8	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	395,446	June 29	55,449	January 7	205,948
1974	475,881	June 23	201,710	March 1	223,930
1975	348,685	June 17	169,683	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	386,621	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	89,654
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
2002	184,173	June 15	82,043	November 6	136,222
2003	312,710	June 19	138,326	January 1	148,505
2004	227,948	June 30	92,762	December 26	94,063
2005	538,557	June 17	94,043	January 6	246,549
2006	423,529	May 22	225,807	December 8	226,732
2007	243,340	May 24	104,818	December 6	107,442
2008	258,392	June 15	107,442	January 1	116,888

The image shows a scenic view of a river valley. In the foreground, a river flows through a rocky bed. The middle ground is dominated by a steep, rocky hillside covered in green grass and scattered rocks. The background shows a clear blue sky. The text 'KERN RIVER OPERATIONS 2008' is overlaid on the upper left portion of the image in a large, bold, red font with a white outline.

***KERN RIVER  
OPERATIONS  
2008***

**Kern River near Cow Flat Creek**



## KERN RIVER IN REVIEW 2008

### Introduction

The 2008 winter season was a story of two tales; a wet first half marked by blustery storms and heavy Kern River Basin snowfall, followed by a dry second half, featuring near-record dryness occurring throughout March, April and May of 2008. The rainy season began in earnest in early December of 2007, as Pacific storms dumped up to 3" of snow water content in the Kern River watershed. Additional storms during the last half of December 2007 further increased the Kern snowpack, resulting in a basin-wide average snow water content of 75% of normal as of January 1, 2008, equating to 25% of the April 1<sup>st</sup> average. Characterized as "the year of the big blow and snow", 2008 got off to a bang on January 4<sup>th</sup> as torrential rains pounded the upper Kern, producing heavy snowfall in the higher elevations, and sending the North Fork Kern River as measured at Kernville soaring to an instantaneous peak flow of 2,918 cubic feet per second as of 6:00 am, January 5, 2008. On the San Joaquin Valley floor, the storm brought strong southerly winds that generated blowing dust but little rainfall. Similar storm types were encountered during the period of January 23-24, 2008 and again beginning in early February of 2008. The February 3, 2008 storm left a record 3.58" of precipitation at Isabella Dam headquarters, one of only two February rainfall events at the dam to exceed three inches in a twenty-four hour period since measurements were begun in 1949. By the end of February 2008, the Kern River Basin snowpack, as gaged by the average of its eight automated snow sensors, registered 23.8" of water content, 112% of the April 1<sup>st</sup> average.

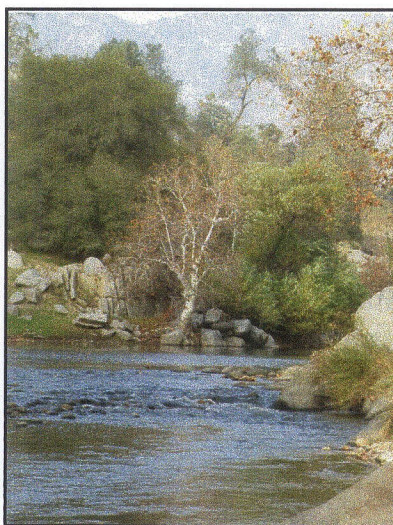


*Kern River at First Point of Measurement*

On March 1, 2008, the Kern River April through July runoff forecast issued by the State of California Department of Water Resources called for 108% of normal yield during the 2008 snow melt period. At Isabella Dam, during the month of March 2008, only .02" of rain was collected, followed by an even drier April (0.00") and equally dry month of May (0.02"). For the period of record (1949-2008), only 1997 had less measurable rainfall at the Isabella Lake gage between March 1<sup>st</sup> and June 1<sup>st</sup>. As a result of the much drier than normal spring conditions, the 2008 Kern River April-July runoff as measured at First Point near Bakersfield ended with only 331,341 acre-feet of yield, 71% of the long-term average.

### Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 2007-2008 Water Year were as follows:



*Kern River near Delonegha Hot Springs*

	Bakersfield Meadows Field (Elev. 494 ft.)			Isabella Dam (Elev. 2660 ft.)			Glennville (Elev. 3140 ft.)		
	07-08	Ave.	% of Ave.	07-08	Ave.	% of Ave.	07-08	Ave.	% of Ave.
Oct	0.28	0.30	93%	0.06	0.36	17%	0.86	0.75	115%
Nov	0.06	0.59	10%	0.10	1.19	8%	0.29	1.85	16%
Dec	0.36	0.76	47%	1.56	1.87	83%	3.75	2.96	127%
Jan	0.65	1.18	55%	3.94	2.45	161%	4.53	3.32	136%
Feb	0.82	1.21	68%	5.96	2.20	271%	6.84	2.99	229%
Mar	0.00	1.41	0%	0.02	1.61	1%	0.20	3.05	7%
Apr	0.00	0.45	0%	0.00	0.68	0%	0.00	2.06	0%
May	0.08	0.24	33%	0.02	0.25	8%	0.00	0.75	0%
Jun	0.00	0.12	0%	0.00	0.08	0%	0.00	0.18	0%
Jul	0.00	0.00	0%	0.14	0.14	100%	0.02	0.04	50%
Aug	0.00	0.08	0%	0.00	0.17	0%	0.00	0.10	0%
Sep	0.00	0.15	0%	0.08	0.33	24%	0.00	0.37	0%
<b>TOTAL</b>	<b>2.25</b>	<b>6.49</b>	<b>35%</b>	<b>11.88</b>	<b>11.33</b>	<b>105%</b>	<b>16.49</b>	<b>18.42</b>	<b>90%</b>

At Isabella Dam, cumulative rainfall for the period of December 2007 through February 2008 amounted to 11.46", 178% of normal. Isabella Lake area precipitation during March, April and May of 2008 totaled .04", 2% of normal.

Temperature

Isabella, California, 2008 mean air temperatures (°F) with comparative averages were as follows:

	<u>2008 Actual</u>	<u>Normal</u>	<u>Variance from Norm</u>		<u>2008 Actual</u>	<u>Normal</u>	<u>Variance from Norm</u>
Jan	44.1	44.5	-0.4	Jul	83.6	79.8	+3.8
Feb	47.9	47.3	+0.6	Aug	83.3	78.5	+4.8
Mar	53.0	50.8	+2.2	Sep	76.6	72.3	+4.3
Apr	57.9	55.6	+2.3	Oct	64.8	62.1	+2.7
May	65.5	63.8	+1.7	Nov	55.6	51.5	+4.1
Jun	78.9	73.1	+5.8	Dec	44.9	44.7	+0.2

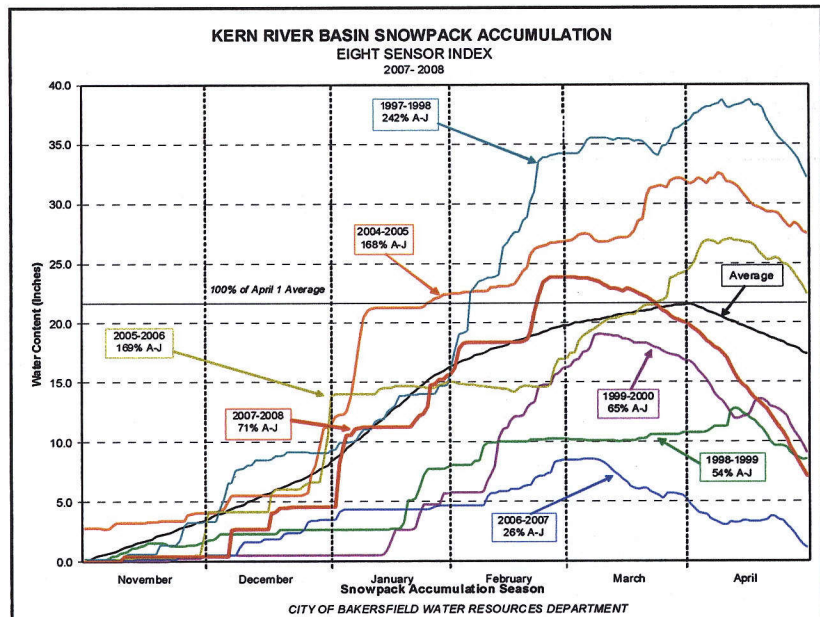
The mean annual temperature as recorded at Isabella Dam for 2008 was 63.0° Fahrenheit, 2.7° above the long-term (1956 to 2008) normal. The 2008 Calendar Year marks the 10<sup>th</sup> consecutive year above normal temperatures have been registered at lake headquarters. The maximum high temperature for 2008 occurred on July 9<sup>th</sup> at 108° with a low of 24° occurring on January 29, 2008.

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, 2008, with April 1<sup>st</sup> historical average water contents of same shown for comparison:

	<u>Upper Tyndall Creek</u>	<u>Crabtree Meadow</u>	<u>Chagoopa Plateau</u>	<u>Pascoe</u>	<u>Wet Meadow</u>	<u>Tunnel Guard</u>	<u>Casa Vieja Meadow</u>	<u>Beach Meadows</u>
April 1, 2008	24.6	16.9	19.4	30.8	39.3	10.4	22.8	4.4
April 1, Average	27.7	19.8	21.8	24.9	30.3	15.6	20.7	11.0

The 2007-08 Kern River Basin winter snowpack accumulation is depicted on the chart below. Typical with the beginning of most water years, snowpack in the Kern River drainage basin was negligible prior to December's first major cold storm event. Over the period of December 6-8, 2007, a Pacific storm system brought the first sustained snowfall of the winter season to the upper Kern River watershed, while depositing 2.06" of precipitation at Glennville Fire Station and leaving .76" at Isabella Dam. A series of cold storms beginning December 18, 2007 added an additional 2" of water content to the snowpack, nudging snowpack accumulation closer to normal January 1<sup>st</sup> levels. The major snow dump of the winter of 2008 occurred over the period of January 4-6, 2008, effectively doubling the existing Kern River Basin snowpack by adding over five inches of new snow water content. Intense storms during the early and latter part of February 2008 left 5.96" of precipitation at Isabella Dam, the highest rainfall total for the month since February of 1998, and increased the water content of the snowshed above Isabella Lake by approximately 8.2" from first of the month readings. Finally, after seven consecutive days of storm activity in the Kern River Basin between February 19-25, 2008, weather conditions over the southern Sierra Nevada Mountains inexplicably became dry and warm, signaling an abrupt end to the 2007-08 winter storm season.



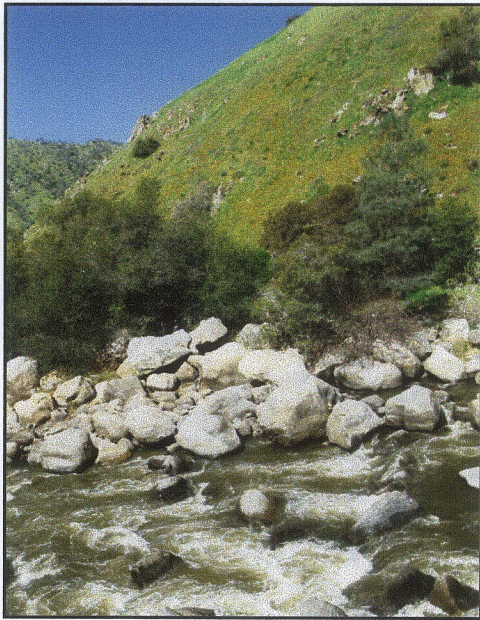


Forecast

The State of California, Department of Water Resources, issued the following forecasts of Kern River runoff into Isabella Reservoir for the 2008 April-July snow melt period:

February 1, 2008:	93% of average (430,000 acre-feet)
March 1, 2008:	108% of average (500,000 acre-feet)
April 1, 2008:	82% of average (380,000 acre-feet)
May 1, 2008:	72% of average (330,000 acre-feet)

Runoff



*Kern River Canyon near Lucas Creek*

Actual 2008 April-July Kern River inflow to Isabella Lake

was 330,589 acre-feet (72% of average). Peak snow melt inflow to Isabella Reservoir occurred on May 20, 2008 with 3,772 cubic feet per second. Calendar Year runoff at First Point of Measurement near Bakersfield for 2008 totaled 517,997 acre-feet, 71% of the long-term average (726,644 acre-feet) and 96% of the historical median (541,258 acre-feet).

Storage

Isabella Reservoir began the year with 107,442 acre-feet of storage. The low point for Isabella Lake during 2008 fell on January 1<sup>st</sup>, the seventh time minimum annual storage has occurred on this date in the history of Isabella Reservoir operations. Peak reservoir storage for 2008 was reached on June 15, 2008, with 258,392 acre-feet (2573.34 ft. elevation). The largest daily increase in Isabella Dam storage during 2008 occurred on May 20<sup>th</sup>, with 5,175 acre-feet of storage gain; demand for stored water peaked on August 5, 2008 with 2,904 acre-feet of withdrawal.



*Bonita Meadows, Elev. 8,300 ft., Kern River Basin*

In December of 2008, an agreement was entered into between the North Kern Water Storage District and the Southern California Edison Company to provide for the withholding and storage in Isabella Reservoir of portions of Kern River Powerhouse No.1 power generation entitlement. The program, the first of its kind in over thirty years, helped to offset low Isabella Lake levels by increasing reservoir storage approximately 6,500 acre-feet over the period of December 13-31, 2008. Isabella Reservoir ended the year with 116,888 acre-feet of storage, constituting 21% of lake capacity and 75% of the average December 31<sup>st</sup> carryover storage figure of 155,651 acre-feet.



Operations



*Lower Carrier Canal Washout, June 2, 2008*

Kern River regulated flow as computed at First Point of Measurement during the 2008 Calendar Year amounted to 472,759 acre-feet, 67% of the 1954-2008 average regulated flow of 703,323 acre-feet. Maximum regulated flow for the year occurred on June 4, 2008, with a mean daily discharge of 1,642 cubic feet per second.

Deliveries of Kern River water to Second Point of Measurement totaled 54,313 acre-feet during 2008. An additional amount of 86,094 acre-feet of well water was produced from various groundwater banking projects situated on the Kern River Fan and transported via the Kern River Canal for distribution below Second Point in 2008. Due to the strength of water demands on the lower Kern River distribution system, the Kern River Channel below Rocky Point Weir was continuously operated for carriage of Kern River water between May 20<sup>th</sup> and August 17<sup>th</sup> of 2008.

Isabella Dam outflow was sharply reduced for a brief period in mid-July as a result of the Erskine Creek flash flood of July 13, 2008. The flash flood, spawned by intense thunderstorm activity in the recently burned Piute Mountain area just south-east of Isabella Lake, sent a wall of mud, ash and debris down Erskine Creek which then entered the Kern River below the Isabella Reservoir, resulting in temporary adverse impacts to Kern River water quality due to the high levels of turbidity.

Total water yield of the Kern River drainage basin and its surface storage reservoir in acre-feet during 2008 is summarized as follows:

+	Kern River Computed Natural Flow	517,997
-	Isabella Reservoir Storage	9,447
-	Isabella Reservoir Evaporation	35,891
-	Kern River Diversion Above First Point	16,885
+	Rio Bravo Well Discharge	100
=	Kern River Flow at First Point	455,874

Delivery of **Kern River** water to canal and conveyance facilities located below First Point of Measurement for the 2008 Calendar Year was as follows:

<u>Delivery Point</u>	<u>Flow in Acre-Feet</u>
Beardsley Canal	141,696
Calloway Canal	27,709
Kern Island Canal	147,668
Eastside Canal	15,393
Stine Canal	15,166
Arvin-Edison Turnout	7,134
Buena Vista Canal	20,993
Rosedale Channel	0
Truxtun Lakes	1,002
The Park at River Walk	633
Berrenda Mesa Pipeline	0
Pioneer Property	0
2800 Acre Recharge Facility	0
Second Point of Measurement	54,313
Seepage Loss (River & Carrier)	24,167



*Truxtun Lake Recharge Area*

Year: 2008

Kern River at First Point of Measurement "Computed Natural"

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	206	277	921	1,068	1,882	1,419	820	318	181	173	309	250
2	220	348	902	1,057	1,753	1,524	810	310	184	172	331	238
3	229	1,084	869	1,020	1,762	1,634	827	300	184	170	412	239
4	361	644	833	1,062	1,762	1,697	828	281	197	170	300	250
5	1,758	443	804	1,060	1,685	1,692	797	268	199	166	293	246
6	922	439	773	1,149	1,632	1,708	739	272	198	170	274	257
7	501	452	750	1,157	1,641	1,761	718	267	178	162	264	240
8	374	468	768	1,199	1,694	1,829	730	279	173	166	262	249
9	364	490	788	1,139	1,743	1,784	687	274	167	165	270	233
10	359	498	804	1,132	1,778	1,750	660	268	163	170	266	232
11	336	493	854	1,147	1,860	1,998	640	272	166	170	265	215
12	327	480	925	1,260	1,939	1,755	696	277	166	173	260	209
13	287	497	995	1,362	1,945	1,729	714	289	168	174	280	206
14	282	497	999	1,538	1,983	1,686	843	276	166	183	293	369
15	275	496	976	1,630	2,154	1,653	747	270	173	187	307	264
16	292	464	884	1,652	2,471	1,583	721	274	169	191	304	252
17	302	460	811	1,579	2,814	1,528	694	259	163	187	293	240
18	294	475	750	1,479	3,017	1,459	782	257	158	182	281	232
19	271	526	760	1,430	3,386	1,418	649	245	158	180	261	240
20	265	585	779	1,425	3,779	1,395	601	251	153	185	246	233
21	266	637	823	1,371	3,008	1,370	530	242	151	189	235	224
22	280	846	847	1,313	2,625	1,391	499	235	159	187	237	390
23	279	958	885	1,256	2,161	1,340	475	239	173	183	240	319
24	295	1,115	947	1,290	1,771	1,285	469	222	173	185	248	294
25	314	1,226	987	1,340	1,634	1,217	418	216	174	186	250	437
26	304	939	1,010	1,403	1,569	1,170	379	200	161	191	447	349
27	306	884	1,327	1,555	1,467	1,144	350	202	160	185	285	328
28	276	893	1,181	1,759	1,387	1,101	350	202	158	184	281	314
29	285	916	1,232	1,905	1,311	971	351	199	163	178	278	327
30	275	-	1,284	2,096	1,272	919	349	195	179	179	265	340
31	279	-	1,132	-	1,217	-	333	185	-	214	-	323
TOTAL	11,384	18,530	28,600	40,833	62,102	44,910	19,206	7,844	5,115	5,557	8,537	8,539
MAXIMUM DAY	1,758	1,226	1,327	2,096	3,779	1,998	843	318	199	214	447	437
MINIMUM DAY	206	277	750	1,020	1,217	919	333	185	151	162	235	206
MEAN	367	639	923	1,361	2,003	1,497	620	253	171	179	285	275
TOTAL AC. FT.	22,580	36,754	56,727	80,991	123,177	89,078	38,095	15,558	10,145	11,022	16,933	16,937
WHOLE YEAR:-	TOTAL,	261,157	MAX.,	3,779	MIN.,	151	MEAN,	714	TOTAL AC.F.T.,	517,997		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2008

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	189	271	757	853	1,691	1,315	900	323	165	178	277	222
2	190	265	766	845	1,601	1,472	858	307	165	171	419	222
3	190	401	707	828	1,648	1,629	836	288	164	167	442	236
4	248	356	671	866	1,646	1,816	813	272	161	162	330	257
5	1,663	335	678	897	1,598	1,641	772	270	161	171	299	289
6	688	356	658	924	1,471	1,559	716	269	165	182	255	210
7	460	368	638	948	1,541	1,817	706	285	167	169	243	267
8	395	375	642	929	1,617	1,791	695	261	164	167	243	259
9	386	388	671	877	1,645	1,738	691	248	164	163	293	189
10	362	392	686	833	1,692	1,851	649	226	165	163	290	186
11	343	395	714	864	1,810	1,903	624	211	169	165	273	188
12	321	402	816	955	1,988	1,694	621	198	172	171	266	189
13	295	432	890	1,080	1,888	1,649	683	205	169	178	267	193
14	271	461	929	1,234	1,768	1,671	698	196	166	175	271	185
15	260	409	843	1,338	1,991	1,655	749	196	159	169	275	188
16	253	382	762	1,231	2,504	1,587	725	199	156	165	275	188
17	233	373	684	1,190	2,904	1,574	736	195	157	162	276	212
18	221	400	645	1,238	3,213	1,525	720	189	160	160	203	255
19	218	413	659	1,225	3,547	1,425	625	186	163	159	231	220
20	210	440	691	1,188	3,693	1,374	559	184	166	160	228	238
21	214	431	708	1,096	3,384	1,343	540	181	166	162	236	254
22	197	704	731	1,097	2,570	1,389	486	177	165	161	228	355
23	200	640	769	1,147	2,101	1,401	459	179	164	159	218	316
24	218	897	817	1,123	1,816	1,292	421	164	161	159	224	276
25	221	818	874	1,103	1,591	1,223	394	168	160	159	265	342
26	209	722	953	1,183	1,481	1,176	374	164	159	158	288	318
27	212	690	1,002	1,377	1,430	1,123	367	160	157	157	302	257
28	307	695	976	1,681	1,302	1,033	367	156	151	155	239	294
29	220	717	999	1,901	1,219	962	364	162	151	162	234	331
30	272	-	991	1,954	1,171	929	347	168	156	157	231	335
31	262	-	906	-	1,197	-	336	167	-	161	-	318
TOTAL	9,928	13,928	24,233	34,005	60,718	44,557	18,831	6,554	4,868	5,107	8,121	7,789
MAXIMUM DAY	1,663	897	1,002	1,954	3,693	1,903	900	323	172	182	442	355
MINIMUM DAY	189	265	638	828	1,171	929	336	156	151	155	203	185
MEAN	320	480	782	1,134	1,959	1,485	607	211	162	165	271	251
TOTAL AC. FT.	19,692	27,626	48,065	67,448	120,432	88,377	37,351	13,000	9,656	10,130	16,108	15,449
WHOLE YEAR:-	TOTAL,	238,639	MAX.,	3,693	MIN.,	151	MEAN,	652	TOTAL AC.FT.,	473,334		

Year: 2008

Kern River at First Point of Measurement "Regulated"

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	173	309	410	615	860	1,196	1,590	1,458	636	316	236	255
2	155	291	426	663	735	1,450	1,613	1,314	660	298	262	260
3	152	518	553	660	688	1,588	1,504	1,306	648	303	341	250
4	157	425	596	585	722	1,642	1,391	1,606	639	276	350	247
5	178	310	624	524	916	1,500	1,272	1,617	599	298	313	276
6	142	345	658	590	909	1,294	1,284	1,516	515	293	261	275
7	142	393	682	670	934	1,210	1,397	1,570	516	295	228	262
8	135	396	570	777	904	1,288	1,450	1,615	585	322	213	230
9	144	314	491	864	778	1,504	1,513	1,480	572	353	221	219
10	148	331	509	892	700	1,589	1,601	1,416	534	336	260	221
11	167	368	525	819	823	1,473	1,595	1,507	474	291	277	225
12	174	346	490	639	1,011	1,435	1,415	1,498	454	260	257	198
13	206	385	477	558	1,027	1,279	1,439	1,378	455	268	250	114
14	219	387	471	589	1,021	1,209	1,474	1,271	537	293	252	109
15	270	374	479	537	995	1,356	1,205	1,043	579	240	248	120
16	275	360	475	536	942	1,588	1,139	917	588	249	257	118
17	278	369	486	577	802	1,623	1,096	929	546	283	287	109
18	289	380	512	642	944	1,622	961	1,110	533	301	287	106
19	296	377	489	679	1,086	1,595	950	1,141	472	324	284	104
20	305	371	480	709	1,076	1,524	969	952	413	337	284	104
21	327	323	463	638	991	1,178	1,185	792	404	342	284	101
22	307	264	442	582	1,009	1,180	1,219	681	435	330	252	100
23	286	242	485	676	995	1,382	1,225	607	399	327	246	104
24	295	253	596	690	871	1,385	1,099	639	369	328	230	100
25	288	272	705	647	1,009	1,382	1,029	738	353	335	254	108
26	217	313	745	623	1,130	1,368	1,051	735	319	338	273	112
27	190	327	782	661	1,104	1,303	1,124	766	318	357	300	110
28	205	340	750	707	1,106	1,254	1,246	704	324	338	283	106
29	249	376	699	783	1,215	1,296	1,350	813	343	317	283	104
30	306	-	652	823	1,245	1,513	1,468	853	325	283	261	97
31	310	-	604	-	1,161	-	1,509	756	-	241	-	126
TOTAL	6,985	10,059	17,326	19,955	29,709	42,206	40,363	34,728	14,544	9,472	8,034	4,970
MAXIMUM INSTANT.	374	785	860	926	1,301	1,691	2,128	1,736	840	384	360	301
MINIMUM INSTANT.	124	222	276	411	542	985	661	548	266	214	160	82
MEAN	225	347	559	665	958	1,407	1,302	1,120	485	306	268	160
TOTAL AC. FT.	13,854	19,952	34,365	39,580	58,926	83,715	80,059	68,881	28,848	18,787	15,935	9,857
WHOLE YEAR:-	TOTAL,	238,351	MAX.,	2,128	MIN.,	124	MEAN,	651	TOTAL AC.FT.,	472,759		



DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2008

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

Year: 2008

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	15	0
18	0	0	0	0	0	0	0	0	0	0	20	0
19	0	0	0	0	0	0	0	0	0	0	11	0
20	0	0	0	0	0	0	0	0	0	0	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	1	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	47	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	20	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	2	0
TOTAL AC. FT.	0	0	47	20	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0	93	0
WHOLE YEAR:-	TOTAL,	47	MAX.,	20	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0	93	0



Quantities in acre-feet

CITY OF BAKERSFIELD  
SUMMARY OF KERN RIVER ENTITLEMENTS

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	163	0	12,177	20,097	34,493	22,655	6,252	18	0	0	0	0	95,855
Hacienda W.D. Entitlement	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>K.C.L. Entitlement @ 2nd Point</b>	<b>8</b>	<b>0</b>	<b>391</b>	<b>966</b>	<b>1,646</b>	<b>1,085</b>	<b>301</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,397</b>
Kern Island (1-st)	16,933	17,189	18,184	17,851	18,446	17,851	18,446	14,862	9,490	10,346	15,768	15,495	190,861
Eastside													
Kern River Conduit			20,662	19,039	22,316	19,313	11,635	2					92,967
Castro	81	276	36	109	127	115	12				28	69	853
KCC & W Co.	222	785	79	298	395	321	16				71	187	2,374
South Fork	153	551	64	214	274	226	14				52	109	1,657
Buena Vista (1-st)	686	4,128	461	1,617	2,108	1,775	119				292	353	11,539
James (1-st)	625	4,687	690	2,428	3,164	2,668	185				67	48	14,562
Anderson (1-st)	77	470	115	407	522	436	28						2,055
Stine	570	3,048	869	3,035	3,957	3,328	230						15,037
Meacham	113	524	177	613	791	669	48						2,935
Farmers	570	2,562	851	3,035	3,957	3,328	133						14,436
Plunket	151	490	202	809	1,057	891							3,600
Joyce	77	347	196	809	1,057	877							3,363
Johnson	73	234	169	809	1,057	865							3,207
Pioneer (1-st)	240	645	406	2,445	3,425	2,765							9,926
Beardsley (1-st)	111	117	145	932	1,583	1,210							4,098
Lerdo (NKWSD)													
Anderson (2-nd)	18	20	18	149	262	194							661
James & Dixon	73	48	71	573	1,039	776							2,580
Wilson	12		8	77	139	95							331
KCC & W Co.	6		4	67	117	93							287
McCaffrey	48		34	349	668	498							1,597
McCord: Lerdo 30%	56		12	349	740	545							1,702
Beardsley 70%	129		30	813	1,726	1,272							3,970
Calloway: Central 20%	142			490	2,574	915							4,121
NKWSD 80%	567			1,956	10,297	3,657							16,477
Railroad: KCC & W Co. 20%					270								270
NKWSD 80%					1,081								1,081
Buena Vista (2-nd)					563								563
James (2-nd)					978								978
Pioneer (2-nd)					781								781
Beardsley (3-rd)					774								774
Kern Island (2-nd)					117								117
<b>Computed Loss</b>	<b>676</b>	<b>633</b>	<b>676</b>	<b>655</b>	<b>676</b>	<b>655</b>	<b>676</b>	<b>676</b>	<b>655</b>	<b>676</b>	<b>655</b>	<b>676</b>	<b>7,985</b>
<b>Total 1st Point Group Entitlement</b>	<b>22,417</b>	<b>36,754</b>	<b>44,550</b>	<b>60,894</b>	<b>88,684</b>	<b>66,423</b>	<b>31,843</b>	<b>15,540</b>	<b>10,145</b>	<b>11,022</b>	<b>16,933</b>	<b>16,937</b>	<b>422,142</b>

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

Year: 2008

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>KERN RIVER FLOW AT FIRST POINT</b>	<b>12,906</b>	<b>19,123</b>	<b>33,421</b>	<b>38,245</b>	<b>57,413</b>	<b>81,876</b>	<b>77,982</b>	<b>66,777</b>	<b>26,991</b>	<b>17,339</b>	<b>14,846</b>	<b>8,955</b>	<b>455,874</b>
BEARDSLEY CANAL	1,761	7,686	14,912	13,842	17,877	20,340	21,951	14,446	11,302	6,787	6,795	3,997	141,696
CALLOWAY CANAL	1,496	1,537	2,442	2,622	2,967	3,118	1,688	3,352	2,880	2,519	1,769	1,319	27,709
KERN ISLAND CANAL	7,640	7,979	12,843	17,167	18,924	21,509	19,206	21,360	10,524	4,988	3,420	2,108	147,668
EASTSIDE CANAL	0	520	1,763	2,093	2,953	2,394	2,624	1,985	1,061	0	0	0	15,393
STINE CANAL	0	0	0	8	3,719	5,405	4,925	1,109	0	0	0	0	15,166
TRUXTUN LAKES	0	44	0	0	180	162	145	187	0	92	115	77	1,002
ARVIN-EDISON TURNOUT	0	0	0	0	0	1,567	3,330	2,237	0	0	0	0	7,134
BUENA VISTA CANAL	145	0	0	615	4,132	5,970	6,494	2,227	0	1,095	315	0	20,993
THE PARK AT RIVER WALK	0	0	0	0	131	139	131	143	0	67	22	0	633
ROSEDALE CHANNEL	0	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
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
NORTH LAKE TURNOUT	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN WATER BANK VIA 2800 ACRES	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN WATER BANK CANAL AT HEAD	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	228	42	0	484	1,258	1,103	783	617	0	575	233	119	5,442
RIVER LOSS & SPREADING	1,636	1,315	1,461	1,414	1,573	1,623	1,480	2,271	1,224	1,216	2,177	1,335	18,725
<b>FIRST POINT CANALS TOTAL FLOW</b>	<b>12,906</b>	<b>19,123</b>	<b>33,421</b>	<b>38,245</b>	<b>53,714</b>	<b>63,330</b>	<b>62,757</b>	<b>49,934</b>	<b>26,991</b>	<b>17,339</b>	<b>14,846</b>	<b>8,955</b>	<b>401,561</b>
<b>TOTAL FLOW AT SECOND POINT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,699</b>	<b>18,546</b>	<b>15,225</b>	<b>16,843</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54,313</b>
BUENA VISTA WSD	0	0	0	0	3,699	18,546	15,225	16,843	0	0	0	0	54,313
HACIENDA WATER DISTRICT	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN DELTA WATER DISTRICT	0	0	0	0	0	0	0	0	0	0	0	0	0

2008 Summary of Kern River Water  
Diversions by Entity

(Acre-Feet)

Area of Use Diverted

Above First Point

California Water Service Co. (Kernville System)	331
California Water Service Co. (Bakersfield Treatment Plant)	13,758
Kern Valley Golf Course	219
La Hacienda, Inc.	520
Lake Ming	790
Olcese WD	825
City of Bakersfield	442
 Sub-total	 16,885

Below First Point

Arvin-Edison WSD	14,818
Buena Vista WSD	54,313
Cawelo WD	39,202
City of Bakersfield, Irrigation and Spreading Improvement District #4	34,072
Kern County Water Agency	0
Kern Water Bank Authority	0
Kern Delta WD	191,536
North Kern WSD	94,224
Rosedale Ranch Improvement District	0
Rosedale-Rio Bravo WSD	0
Kern-Tulare WD	0
Rag Gulch WD	0
South Fork	0
 Sub-total	 455,874
 Grand Total	 472,759

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

Year: 2008

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	647	9,725	15,000	14,663	12,970	7,248	4,989	2,146	1,709	1,563	625	521	71,806
Buena Vista	1,472	5,566	6,152	8,176	9,075	7,262	2,246	168	163	341	84	273	40,978
Stine	1,500	4,524	5,328	8,118	7,959	5,958	1,307	61	60	58	78	88	35,039
Farmers	1,500	4,040	4,097	5,278	6,000	5,562	2,926	359	16	16	30	48	29,872
<b>KERN DELTA WD TOTAL</b>	<b>5,119</b>	<b>23,855</b>	<b>30,577</b>	<b>36,235</b>	<b>36,004</b>	<b>26,030</b>	<b>11,468</b>	<b>2,734</b>	<b>1,948</b>	<b>1,978</b>	<b>817</b>	<b>930</b>	<b>177,695</b>
City of Bakersfield	9,777	9,907	25,632	38,167	51,107	49,951	40,841	14,672	12,174	10,946	13,101	13,036	289,311
Kern River Canal & Irr. Co.	8,883	8,483	7,831	8,081	9,937	10,545	9,299	8,001	7,019	6,067	5,280	5,008	94,434
South Fork	600	1,151	1,260	1,747	2,221	2,574	2,588	2,588	2,588	2,990	600	600	21,507
Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>CITY OF BAKERSFIELD TOTAL</b>	<b>19,260</b>	<b>19,541</b>	<b>34,723</b>	<b>47,995</b>	<b>63,265</b>	<b>63,070</b>	<b>52,728</b>	<b>25,261</b>	<b>21,781</b>	<b>20,003</b>	<b>18,981</b>	<b>18,644</b>	<b>405,252</b>
<b>NORTH KERN WSD</b>	<b>40,575</b>	<b>38,809</b>	<b>28,078</b>	<b>29,349</b>	<b>46,693</b>	<b>54,843</b>	<b>46,479</b>	<b>46,175</b>	<b>33,592</b>	<b>27,539</b>	<b>30,043</b>	<b>36,698</b>	<b>458,873</b>
<b>TOTAL 1ST POINT STORAGE</b>	<b>64,954</b>	<b>82,205</b>	<b>93,378</b>	<b>113,579</b>	<b>145,962</b>	<b>143,943</b>	<b>110,675</b>	<b>74,170</b>	<b>57,321</b>	<b>49,520</b>	<b>49,841</b>	<b>56,272</b>	<b>1,041,820</b>

# KERN DELTA WATER DISTRICT



Kern Island Central Canal  
at Di Giorgio Road



# KERN DELTA WATER DISTRICT

## Monthly Summary of Kern River Entitlements, Diversions, Diversiones,

### Deliveries and Storage ... All Canals

Year: 2008

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	1,140	26,927	20,365	25,538	29,148	26,282	18,928	14,862	9,490	0	0	0	172,680
Kern River Preserved Entitlement	8,840							0	0	6,989	3,435	2,113	21,377
Release	+ or -	1,643	(98)	(126)	(640)	(420)	0	0	0	1,588	272	158	1,527
<b>Entitlement + or - Releases</b>	=	<b>11,623</b>	<b>26,829</b>	<b>20,239</b>	<b>24,688</b>	<b>25,862</b>	<b>18,928</b>	<b>14,862</b>	<b>9,490</b>	<b>8,577</b>	<b>3,707</b>	<b>2,271</b>	<b>195,584</b>
Into Isabella Storage	-	5,326	18,862	7,226	6,713	589	957	359	368	1,735	633	221	45,547
From Isabella Storage	+	1,876	0	123	462	9,745	14,917	8,859	1,065	1,617	1,754	96	42,644
From City of Bakersfield	+	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
To City of Bakersfield	-	0	0	0	0	0	0	0	0	0	0	0	0
Storage Transfer/Exch	+ or -	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	-	228	0	0	0	0	0	0	0	575	176	38	1,017
To North Kern WSD	-	160	0	0	0	0	0	0	0	0	0	0	160
Via Cawelo Water District	-	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District No.4	-	0	613	774	922	893	416	922	1,101	1,895	949	0	9,161
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	0
<b>Diverted at Heads of Canals</b>	=	<b>7,785</b>	<b>7,354</b>	<b>12,460</b>	<b>17,663</b>	<b>34,125</b>	<b>32,472</b>	<b>22,440</b>	<b>9,086</b>	<b>5,989</b>	<b>3,703</b>	<b>2,108</b>	<b>182,343</b>
From North Kern WSD	+	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
From Improvement District No.4	+	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Utility Supply</b>	=	<b>7,785</b>	<b>7,354</b>	<b>12,460</b>	<b>17,663</b>	<b>34,125</b>	<b>32,472</b>	<b>22,440</b>	<b>9,086</b>	<b>5,989</b>	<b>3,703</b>	<b>2,108</b>	<b>182,343</b>
Utility Deliveries		4,805	5,506	8,861	12,100	25,498	24,523	18,287	6,711	5,050	2,696	1,955	135,061
Contract Deliveries		46	283	342	609	845	780	192	0	110	0	0	3,663
<b>Total Irrigation Deliveries</b>	-	<b>4,851</b>	<b>5,789</b>	<b>9,203</b>	<b>12,709</b>	<b>26,343</b>	<b>25,303</b>	<b>18,479</b>	<b>6,711</b>	<b>5,160</b>	<b>2,696</b>	<b>1,955</b>	<b>138,724</b>
Canal Conveyance Losses	=	2,934	1,565	3,257	4,954	7,633	7,169	3,961	2,375	829	1,007	153	43,619
Delivery Percentage		62%	79%	74%	72%	77%	78%	82%	74%	86%	73%	93%	76%
Reservoir Evaporation Loss		54	126	381	593	818	601	134	89	88	40	12	3,595
<b>End of Month Reservoir Storage</b>		<b>5,119</b>	<b>23,855</b>	<b>30,577</b>	<b>36,235</b>	<b>26,030</b>	<b>11,468</b>	<b>2,734</b>	<b>1,948</b>	<b>1,978</b>	<b>817</b>	<b>930</b>	

Year: 2008

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	73	155	140	265	341	271	301	361	258	121	45	100
2	80	167	124	290	333	357	285	288	242	107	31	149
3	81	181	165	301	333	380	219	275	200	91	33	149
4	75	195	183	269	301	431	224	406	226	78	41	154
5	80	190	206	200	326	432	218	439	209	86	53	183
6	78	225	232	211	297	375	247	435	180	91	53	183
7	80	218	276	245	300	327	291	450	150	84	54	145
8	84	186	272	278	315	327	302	470	159	80	60	0
9	90	162	264	316	305	401	310	441	208	92	58	0
10	89	169	272	306	274	420	358	388	245	67	35	0
11	105	181	262	327	304	427	440	437	220	68	35	0
12	106	145	185	294	377	461	426	424	181	65	34	0
13	127	160	174	279	376	460	404	403	125	69	22	0
14	147	160	162	327	370	450	397	403	136	70	22	0
15	149	159	171	324	324	437	414	358	145	55	27	0
16	162	145	178	310	353	470	402	297	174	59	28	0
17	164	147	184	322	342	470	343	256	207	61	32	0
18	180	147	174	299	312	466	264	263	243	60	48	0
19	174	113	175	256	314	463	277	283	216	75	71	0
20	163	88	175	253	322	419	290	331	145	89	73	0
21	139	82	157	246	290	294	378	407	133	93	84	0
22	147	57	149	267	311	231	346	380	165	89	85	0
23	151	41	153	298	337	248	323	329	181	92	84	0
24	155	46	192	349	318	262	254	287	173	94	95	0
25	171	62	233	351	290	277	297	346	167	93	89	0
26	139	103	253	326	272	250	289	319	134	95	36	0
27	95	106	303	282	230	248	227	315	127	121	75	0
28	97	113	297	276	225	250	235	290	118	103	111	0
29	124	120	267	283	233	251	246	289	123	91	106	0
30	170	-	252	305	259	289	326	208	116	38	104	0
31	177	-	245	-	257	-	350	191	-	38	-	0
TOTAL	3,852	4,023	6,475	8,655	9,541	10,844	9,683	10,769	5,306	2,515	1,724	1,063
MAXIMUM DAY	180	225	303	351	377	470	440	470	258	121	111	183
MINIMUM DAY	73	41	124	200	225	231	218	191	116	38	22	0
MEAN	124	139	209	289	308	361	312	347	177	81	57	34
TOTAL AC. FT.	7,640	7,979	12,843	17,167	18,924	21,509	19,206	21,360	10,524	4,988	3,420	2,108
WHOLE YEAR:-	TOTAL,	74,450	MAX.,	470	MIN.,	0	MEAN,	203	TOTAL AC.FT.,	147,668		



Kern Delta Water District Diverted to Improvement District No. 4  
(Kern Island Canal Instantaneous Exchange)

Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	11	11	11	17	12	15	16	15	33	7	0
2	0	11	11	11	15	9	15	14	16	31	8	0
3	0	11	11	11	16	15	16	16	15	31	17	0
4	0	11	11	11	17	15	14	15	15	33	17	0
5	0	11	11	11	15	16	16	15	15	31	17	0
6	0	11	11	11	16	16	15	15	15	34	17	0
7	0	11	11	11	17	16	14	14	15	25	17	0
8	0	11	11	11	15	15	15	15	15	27	18	0
9	0	11	11	11	15	16	15	16	15	32	16	0
10	0	11	11	11	15	15	15	16	15	30	17	0
11	0	11	11	11	8	16	15	15	15	32	17	0
12	0	11	11	11	16	15	15	15	16	32	17	0
13	0	11	11	11	15	16	15	16	16	26	17	0
14	0	11	11	11	16	16	15	13	14	32	9	0
15	0	11	11	11	16	15	0	15	15	31	18	0
16	0	11	11	15	12	16	0	15	14	23	18	0
17	0	11	11	16	11	16	0	15	15	20	16	0
18	0	11	11	12	12	16	0	16	15	11	17	0
19	0	11	11	14	15	15	0	16	16	11	17	0
20	0	11	11	16	15	15	0	14	14	37	17	0
21	0	11	11	16	16	15	0	15	15	35	17	0
22	0	11	11	16	15	14	0	14	14	37	17	0
23	0	6	11	15	16	15	0	14	16	36	17	0
24	0	6	11	14	16	15	0	16	30	37	17	0
25	0	11	11	16	16	15	0	15	31	35	17	0
26	0	11	11	15	15	14	0	15	30	36	17	0
27	0	11	11	16	17	16	0	15	29	36	14	0
28	0	11	11	14	14	14	0	16	30	34	17	0
29	0	11	11	15	16	16	0	14	29	36	17	0
30	0	-	11	15	15	15	0	15	30	37	15	0
31	0	-	11	-	15	-	0	14	-	34	-	0
TOTAL	0	309	341	390	465	450	210	465	555	955	479	0
MAXIMUM DAY	0	11	11	16	17	16	16	16	31	37	18	0
MINIMUM DAY	0	6	11	11	8	9	0	13	14	11	7	0
MEAN	0	11	11	13	15	15	7	15	19	31	16	0
TOTAL AC. FT.	0	613	676	774	922	893	416	922	1,101	1,895	949	0
WHOLE YEAR:-	TOTAL,	4,619	MAX.,	37	MIN.,	0	MEAN,	13	TOTAL AC.F.T.,	9,161		

# KERN DELTA WATER DISTRICT KERN ISLAND CANAL SERVICE AREA

Year: 2008

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern Island (1st) Gross Ent'l	+	17,189	18,184	17,851	18,446	17,851	18,446	14,862	9,490	6,989	3,375	2,050	132,319
Kern Island (1st) Preserved Ent'l	+	8,493											20,907
Kern Island (1st) Release	-	0	330	1,951	0	0	0	0	0	0	0	0	2,379
Kern Island (2nd) Gross Ent'l	+	0	0	0	117	0	0	0	0	0	0	0	117
Kern Island (2nd) Release	-	0	0	0	0	0	0	0	0	0	0	0	0
<b>Entitlement + or - Releases</b>	<b>=</b>	<b>8,493</b>	<b>17,854</b>	<b>15,900</b>	<b>18,563</b>	<b>17,851</b>	<b>18,446</b>	<b>14,862</b>	<b>9,490</b>	<b>6,989</b>	<b>3,375</b>	<b>2,050</b>	<b>150,964</b>
Into Storage	-	2,517	5,454	251	230	331	957	359	368	857	589	0	21,037
From Storage	+	1,850	0	327	1,669	5,799	3,027	3,072	726	927	1,491	96	18,984
From North Kern WSD	+	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield	+	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	-	26	0	0	0	0	0	0	0	70	0	38	134
Other	+/-	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+/-	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal Entitlement	-	0	914	1,972	2,640	2,350	2,568	912	0	0	0	0	11,356
To City of Bakersfield	-	0	0	0	0	0	0	0	0	0	0	0	0
To North Kern WSD	-	160	0	0	0	0	0	0	0	0	0	0	160
For Improvement District No 4	-	0	613	774	922	893	416	922	1,101	1,895	949	0	9,161
<b>Diverted at Head of Canal</b>	<b>=</b>	<b>7,640</b>	<b>7,354</b>	<b>13,230</b>	<b>16,440</b>	<b>20,076</b>	<b>17,532</b>	<b>15,741</b>	<b>8,747</b>	<b>5,094</b>	<b>3,328</b>	<b>2,108</b>	<b>128,100</b>
From Cawelo Water District	+	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
From Improvement District No.4	+	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Utility Supply</b>	<b>=</b>	<b>7,640</b>	<b>7,354</b>	<b>13,230</b>	<b>16,440</b>	<b>20,076</b>	<b>17,532</b>	<b>15,741</b>	<b>8,747</b>	<b>5,094</b>	<b>3,328</b>	<b>2,108</b>	<b>128,100</b>
Utility Deliveries		4,790	5,506	9,336	12,337	15,275	12,711	12,443	6,372	4,637	2,473	1,955	95,664
Contract Deliveries		46	283	516	395	791	780	192	0	110	0	0	3,455
<b>Total Irrigation Deliveries</b>	<b>-</b>	<b>4,836</b>	<b>5,789</b>	<b>9,852</b>	<b>12,732</b>	<b>16,066</b>	<b>13,491</b>	<b>12,635</b>	<b>6,372</b>	<b>4,747</b>	<b>2,473</b>	<b>1,955</b>	<b>99,119</b>
Canal Conveyance Losses	=	2,804	1,565	3,378	3,708	4,010	4,041	3,106	2,375	347	855	153	28,981
Delivery Percentage		63%	79%	74%	77%	80%	77%	80%	73%	93%	74%	93%	77%
<b>Into Reservoir Storage</b>		2,517	9,124	5,454	251	331	957	359	368	857	589	0	21,037
Reservoir Evaporation Loss		20	46	179	261	254	189	130	79	76	36	8	1,532
From Reservoir Storage		1,850	0	0	327	5,799	3,027	3,072	726	927	1,491	96	18,984
<b>End of Month Reservoir Storage</b>		<b>647</b>	<b>9,725</b>	<b>15,000</b>	<b>14,663</b>	<b>7,248</b>	<b>4,989</b>	<b>2,146</b>	<b>1,709</b>	<b>1,563</b>	<b>625</b>	<b>521</b>	
State Exchange Diverted		0	597	1,297	488	369	720	39	157	77	32	0	4,387
State Exchange Delivered		0	597	1,297	488	369	720	39	157	77	32	0	4,387
Kern Delta Well Water Delivered		0	0	0	0	0	0	0	0	0	685	0	685
Lower River Water Diverted		0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Delivered		0	0	0	0	0	0	0	0	0	0	0	0
Rio Bravo Well Water Transported		0	0	0	0	0	0	0	83	17	0	0	100

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

**BALFOUR - GUTHRIE CONTRACT**

Year: 2008

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

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

Maximum	8,493	17,256	18,424	17,851	18,446	17,851	18,446	18,446	17,851	6,989	3,375	2,050	165,478
Actual	8,493	17,189	18,184	17,851	18,446	17,851	18,446	14,862	9,490	6,989	3,375	2,050	153,226
Maximum Percentage	100.00%	99.61%	98.70%	100.00%	100.00%	100.00%	100.00%	80.57%	53.16%	100.00%	100.00%	100.00%	100.00%

**CONTRACT ENTITLEMENT:**

Maximum	113	222	246	238	246	238	246	246	238	93	45	27	2,198
Actual	113	221	243	238	246	238	246	198	127	93	45	27	2,035
Sum to Date	113	334	577	815	1,061	1,299	1,545	1,743	1,870	1,963	2,008	2,035	

**CONTRACT DIVERTED:**

For Month	29	182	73	347	174	407	235	0	0	0	0	0	1,447
To Date	29	211	284	631	805	1,212	1,447	1,447	1,447	1,447	1,447	1,447	1,447

**UNUSED ENTITLEMENT:**

For Month	84	39	170	(109)	72	(169)	11	198	127	93	45	27	588
Sum to Date	84	123	293	184	256	87	98	296	423	516	561	588	588



Year: 2008

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	15	35	47	39	46	30	33	0	0	0
2	0	0	14	37	43	39	45	27	34	0	0	0
3	0	0	18	40	42	40	40	27	33	0	0	0
4	0	0	23	34	44	43	34	29	33	0	0	0
5	0	0	24	27	47	37	34	30	30	0	0	0
6	0	0	26	26	47	31	33	29	25	0	0	0
7	0	3	22	30	50	27	34	25	27	0	0	0
8	0	17	18	34	53	26	42	29	26	0	0	0
9	0	11	22	37	51	32	46	30	24	0	0	0
10	0	10	25	41	40	37	53	33	20	0	0	0
11	0	10	24	44	42	42	55	36	20	0	0	0
12	0	11	33	42	39	45	54	37	19	0	0	0
13	0	13	36	33	44	45	45	42	19	0	0	0
14	0	10	37	41	44	46	47	40	18	0	0	0
15	0	6	41	47	52	50	47	25	24	0	0	0
16	0	6	40	40	57	50	46	20	32	0	0	0
17	0	12	39	36	55	51	44	29	34	0	0	0
18	0	14	31	28	51	51	41	32	31	0	0	0
19	0	12	30	23	51	50	35	31	31	0	0	0
20	0	12	31	23	49	46	43	36	22	0	0	0
21	0	8	21	27	54	44	43	40	0	0	0	0
22	0	11	14	27	55	43	43	38	0	0	0	0
23	0	3	22	41	47	41	45	32	0	0	0	0
24	0	9	34	41	40	40	47	34	0	0	0	0
25	0	13	39	35	50	40	43	37	0	0	0	0
26	0	17	41	29	57	45	44	37	0	0	0	0
27	0	19	42	33	52	35	43	35	0	0	0	0
28	0	18	37	39	54	24	44	35	0	0	0	0
29	0	17	32	41	54	29	41	33	0	0	0	0
30	0	-	28	44	45	39	35	31	0	0	0	0
31	0	-	30	-	33	-	31	32	-	0	-	0
TOTAL	0	262	889	1,055	1,489	1,207	1,323	1,001	535	0	0	0
MAXIMUM DAY	0	19	42	47	57	51	55	42	34	0	0	0
MINIMUM DAY	0	0	14	23	33	24	31	20	0	0	0	0
MEAN	0	9	29	35	48	40	43	32	18	0	0	0
TOTAL AC. FT.	0	520	1,763	2,093	2,953	2,394	2,624	1,985	1,061	0	0	0
WHOLE YEAR:-	TOTAL,	7,761	MAX.,	57	MIN.,	0	MEAN,	21	TOTAL AC.FT.,	15,393		

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

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	914	1,972	2,640	2,350	2,568	912	0	0	0	0	11,356
State Exchange Diverted	0	520	849	121	313	44	56	1,073	1,061	0	0	0	4,037
City Miscellaneous Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Oilfield Reclaimed Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Eastside Canal at Head</b>	<b>0</b>	<b>520</b>	<b>1,763</b>	<b>2,093</b>	<b>2,953</b>	<b>2,394</b>	<b>2,624</b>	<b>1,985</b>	<b>1,061</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,393</b>

Utility Deliveries	0	0	542	1,324	1,741	1,768	2,083	823	0	0	0	0	8,281
Contract Deliveries	0	0	0	93	61	54	0	0	0	0	0	0	208
Subtotal Utility Deliveries	0	0	542	1,417	1,802	1,822	2,083	823	0	0	0	0	8,489
State Exchange Delivered	0	209	607	121	313	44	56	889	953	0	0	0	3,192
City Miscellaneous Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Oilfield Reclaimed Water Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal State/Other Deliveries	0	209	607	121	313	44	56	889	953	0	0	0	3,192
<b>Total Irrigation Deliveries</b>	<b>0</b>	<b>209</b>	<b>1,149</b>	<b>1,538</b>	<b>2,115</b>	<b>1,866</b>	<b>2,139</b>	<b>1,712</b>	<b>953</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,681</b>

Canal Loss (Utility)	0	0	372	555	838	528	485	89	0	0	0	0	2,867
Canal Loss (State)	0	311	242	0	0	0	0	184	108	0	0	0	845
Canal Loss (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Canal Loss</b>	<b>0</b>	<b>311</b>	<b>614</b>	<b>555</b>	<b>838</b>	<b>528</b>	<b>485</b>	<b>273</b>	<b>108</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,712</b>
Delivery Percentage	0%	40%	65%	73%	72%	78%	82%	86%	90%	0%	0%	0%	76%

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Buena Vista Canal Headgate

Year: 2008

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	81	76	106	118	0	0	24	0
2	0	0	0	0	72	89	107	104	0	0	19	0
3	0	0	0	0	79	88	111	102	0	0	17	0
4	0	0	0	0	70	88	96	98	0	0	19	0
5	0	0	0	0	70	64	94	96	0	0	19	0
6	0	0	0	0	68	68	95	100	0	0	22	0
7	0	0	0	0	64	76	95	102	0	0	19	0
8	0	0	0	0	68	73	88	91	0	0	20	0
9	0	0	0	0	70	88	91	76	0	0	0	0
10	0	0	0	0	72	102	102	58	0	0	0	0
11	0	0	0	0	72	112	113	0	0	0	0	0
12	0	0	0	0	74	107	110	0	0	0	0	0
13	0	0	0	0	79	85	99	0	0	0	0	0
14	0	0	0	0	74	89	98	0	0	0	0	0
15	0	0	0	0	60	103	93	0	0	0	0	0
16	0	0	0	0	52	94	104	0	0	0	0	0
17	0	0	0	0	58	103	112	0	0	0	0	0
18	0	0	0	0	62	114	117	0	0	13	0	0
19	0	0	0	0	65	126	109	0	0	32	0	0
20	0	0	0	0	67	119	107	0	0	43	0	0
21	3	0	0	0	62	105	102	0	0	54	0	0
22	23	0	0	0	50	107	110	0	0	58	0	0
23	17	0	0	4	59	118	115	0	0	57	0	0
24	17	0	0	31	67	115	119	0	0	47	0	0
25	13	0	0	33	59	114	116	0	0	41	0	0
26	0	0	0	32	55	110	109	0	0	46	0	0
27	0	0	0	33	57	106	106	17	0	41	0	0
28	0	0	0	47	60	117	101	42	0	39	0	0
29	0	0	0	57	66	128	107	43	0	37	0	0
30	0	-	0	73	85	126	119	40	0	26	0	0
31	0	-	0	-	86	-	123	36	-	18	-	0
TOTAL	73	0	0	310	2,083	3,010	3,274	1,123	0	552	159	0
MAXIMUM DAY	23	0	0	73	86	128	123	118	0	58	24	0
MINIMUM DAY	0	0	0	0	50	64	88	0	0	0	0	0
MEAN	2	0	0	10	67	100	106	36	0	18	5	0
TOTAL AC. FT.	145	0	0	615	4,132	5,970	6,494	2,227	0	1,095	315	0
WHOLE YEAR:-	TOTAL,	10,584	MAX.,	128	MIN.,	0	MEAN,	29	TOTAL AC.FT.,	20,993		

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

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista (1st) Gross Ent'l	+	4,128	461	1,617	2,108	1,775	119	0	0	0	0	0	10,208
Buena Vista (1st) Preserved Ent'l	+	347									60	63	470
Buena Vista (1st) Release	+ or -	0	204	1,101	421	161	0	0	0	1,588	176	128	3,779
Buena Vista (2nd) Gross Ent'l	+	0	0	0	563	0	0	0	0	0	0	0	563
Buena Vista (2nd) Release	+ or -	0	0	0	0	0	0	0	0	0	0	0	0
<b>Entitlement + or - Releases</b>	<b>=</b>	<b>347</b>	<b>4,128</b>	<b>2,718</b>	<b>3,092</b>	<b>1,936</b>	<b>119</b>	<b>0</b>	<b>0</b>	<b>1,588</b>	<b>236</b>	<b>191</b>	<b>15,020</b>
Into Storage	-	26	4,128	2,272	1,223	117	0	0	0	878	0	191	9,500
From Storage	+	26	0	115	173	1,708	4,856	2,047	0	690	255	0	9,870
Via Cawelo Water District	-	0	0	0	0	0	0	0	0	0	0	0	0
To North Kern WSD	-	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
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal/River Loss	-	202	0	0	0	0	0	0	0	505	176	0	883
<b>Diverted at Head of Canal</b>	<b>=</b>	<b>145</b>	<b>0</b>	<b>561</b>	<b>2,042</b>	<b>3,527</b>	<b>4,975</b>	<b>2,047</b>	<b>0</b>	<b>895</b>	<b>315</b>	<b>0</b>	<b>14,507</b>
From Cawelo Water District	+	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
<b>Total Utility Supply</b>	<b>=</b>	<b>145</b>	<b>0</b>	<b>561</b>	<b>2,042</b>	<b>3,527</b>	<b>4,975</b>	<b>2,047</b>	<b>0</b>	<b>895</b>	<b>315</b>	<b>0</b>	<b>14,507</b>
Utility Deliveries		15	0	157	1,406	2,923	4,325	1,780	0	413	163	0	11,182
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Irrigation Deliveries</b>	<b>-</b>	<b>15</b>	<b>0</b>	<b>157</b>	<b>1,406</b>	<b>2,923</b>	<b>4,325</b>	<b>1,780</b>	<b>0</b>	<b>413</b>	<b>163</b>	<b>0</b>	<b>11,182</b>
Canal Conveyance Losses	=	130	0	404	636	604	650	267	0	482	152	0	3,325
Delivery Percentage		10%	0%	28%	69%	83%	87%	87%	0%	46%	52%	0%	77%

Into Reservoir Storage	26	4,128	665	2,272	1,223	117	0	0	0	878	0	191	9,500
Reservoir Evaporation Loss	16	34	79	133	151	222	160	31	5	10	2	2	845
From Reservoir Storage	26	0	0	115	173	1,708	4,856	2,047	0	690	255	0	9,870
<b>End of Month Reservoir Storage</b>	<b>1,472</b>	<b>5,566</b>	<b>6,152</b>	<b>8,176</b>	<b>9,075</b>	<b>7,262</b>	<b>2,246</b>	<b>168</b>	<b>163</b>	<b>341</b>	<b>84</b>	<b>273</b>	

State Exchange Diverted	0	0	0	0	329	87	0	0	0	0	0	0	416
State Exchange Delivered	0	0	0	0	329	87	0	0	0	0	0	0	416
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: 2008

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	145	0	0	615	4,132	5,970	6,494	2,227	0	1,095	315	0	20,993
Buena Vista Canal from Maples Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL BUENA VISTA CANAL SUPPLY</b>	<b>145</b>	<b>0</b>	<b>0</b>	<b>615</b>	<b>4,132</b>	<b>5,970</b>	<b>6,494</b>	<b>2,227</b>	<b>0</b>	<b>1,095</b>	<b>315</b>	<b>0</b>	<b>20,993</b>

**Deliveries: Head to Section 17**

Buena Vista Utility	15	0	0	63	871	1,958	2,150	1,505	0	310	163	0	7,035
Buena Vista State Exchange	0	0	0	0	254	37	0	0	0	0	0	0	291
Stine Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sub-Total</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>1,125</b>	<b>1,995</b>	<b>2,150</b>	<b>1,505</b>	<b>0</b>	<b>310</b>	<b>163</b>	<b>0</b>	<b>7,326</b>

**Deliveries: At or Below Section 17**

Buena Vista Utility	0	0	0	94	535	965	2,175	275	0	103	0	0	4,147
Buena Vista State Exchange	0	0	0	0	75	50	0	0	0	0	0	0	125
Stine Utility	0	0	0	0	0	0	180	0	0	0	0	0	180
Stine State Exchange	0	0	0	0	0	325	0	0	0	0	0	0	325
Kern Island Utility	0	0	0	28	1,348	1,595	1,150	162	0	117	0	0	4,400
<b>Sub-Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122</b>	<b>1,958</b>	<b>2,935</b>	<b>3,505</b>	<b>437</b>	<b>0</b>	<b>220</b>	<b>0</b>	<b>0</b>	<b>9,177</b>

<b>TOTAL DELIVERED</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>185</b>	<b>3,083</b>	<b>4,930</b>	<b>5,655</b>	<b>1,942</b>	<b>0</b>	<b>530</b>	<b>163</b>	<b>0</b>	<b>16,503</b>
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Canal Conveyance Losses	130	0	0	430	1,049	1,040	839	285	0	565	152	0	4,490
Delivery Percentage	10%	0%	0%	30%	75%	83%	87%	87%	0%	48%	52%	0%	79%

**DISTRIBUTION:**

Buena Vista Utility	145	0	0	561	2,042	3,527	4,975	2,047	0	895	315	0	14,507
Buena Vista State Exchange	0	0	0	0	329	87	0	0	0	0	0	0	416
Stine Utility	0	0	0	0	0	393	208	0	0	0	0	0	601
Stine State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	0	0	0	54	1,761	1,963	1,311	180	0	200	0	0	5,469
<b>TOTAL</b>	<b>145</b>	<b>0</b>	<b>0</b>	<b>615</b>	<b>4,132</b>	<b>5,970</b>	<b>6,494</b>	<b>2,227</b>	<b>0</b>	<b>1,095</b>	<b>315</b>	<b>0</b>	<b>20,993</b>



# KERN DELTA WATER DISTRICT STINE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	570	3,048	869	3,035	3,957	3,328	230	0					15,037
Preserved Entitlement													0
Release	928	0	0	0	0	0	0	0	0	0	0	0	0
<b>Entitlement + or - Releases</b>	<b>1,498</b>	<b>3,048</b>	<b>869</b>	<b>3,035</b>	<b>3,957</b>	<b>3,328</b>	<b>230</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>12</b>	<b>15,999</b>
Into Storage	1,498	3,048	869	2,908	276	28	0	0	0	0	22	12	8,661
From Storage	0	0	0	0	288	1,841	4,532	1,236	0	0	0	0	7,897
To North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
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
<b>Diverted at Head of Canal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>127</b>	<b>3,969</b>	<b>5,141</b>	<b>4,762</b>	<b>1,236</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,235</b>
From Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Utility Supply</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>127</b>	<b>3,969</b>	<b>5,141</b>	<b>4,762</b>	<b>1,236</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,235</b>
Utility Deliveries	0	0	0	71	2,117	3,040	3,153	969	0	0	0	0	9,350
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Irrigation Deliveries</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71</b>	<b>2,117</b>	<b>3,040</b>	<b>3,153</b>	<b>969</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,350</b>
Canal Conveyance Losses	0	0	0	56	1,852	2,101	1,609	267	0	0	0	0	5,885
Delivery Percentage	0%	0%	0%	56%	53%	59%	66%	78%	0%	0%	0%	0%	61%

Into Reservoir Storage	1,498	3,048	869	2,908	276	28	0	0	0	0	22	12	8,661
Reservoir Evaporation Loss	10	24	65	118	147	188	119	10	1	2	2	2	688
From Reservoir Storage	0	0	0	0	288	1,841	4,532	1,236	0	0	0	0	7,897
<b>End of Month Reservoir Storage</b>	<b>1,500</b>	<b>4,524</b>	<b>5,328</b>	<b>8,118</b>	<b>7,959</b>	<b>5,958</b>	<b>1,307</b>	<b>61</b>	<b>60</b>	<b>58</b>	<b>78</b>	<b>88</b>	

State Exchange Diverted	0	0	0	0	0	0	0	186	0	0	0	0	186
State Exchange Delivered (Irrigation)	0	0	0	0	0	0	0	186	0	0	0	0	186
State Exchange Delivered (Loss/Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Mandatory Release Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0

# KERN DELTA WATER DISTRICT FARMERS CANAL SERVICE AREA

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	570	2,562	851	3,035	3,957	3,328	133			0	0		14,436
Preserved Entitlement													0
Release	+ or -	715	0	0	(1,061)	(581)	0	0	0	0	74	18	(835)
<b>Entitlement + or - Releases</b>	=	<b>1,285</b>	<b>2,562</b>	<b>3,035</b>	<b>2,896</b>	<b>2,747</b>	<b>133</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>18</b>	<b>13,601</b>
Into Storage	-	1,285	2,562	1,282	829	113	0	0	0	0	22	18	6,349
From Storage	+	0	0	20	0	397	2,503	2,504	339	0	8	0	5,894
Transfer in Storage	+ or -	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
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	0
<b>Diverted at Head of Canal</b>	=	<b>0</b>	<b>0</b>	<b>1,773</b>	<b>2,067</b>	<b>3,031</b>	<b>2,636</b>	<b>2,504</b>	<b>339</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>13,146</b>
Utility Deliveries		0	0	1,212	1,468	2,492	2,252	2,272	339	0	60	0	10,585
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Irrigation Deliveries</b>	-	<b>0</b>	<b>0</b>	<b>1,212</b>	<b>1,468</b>	<b>2,492</b>	<b>2,252</b>	<b>2,272</b>	<b>339</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>10,585</b>
Canal Conveyance Losses	=	0	0	561	599	539	384	232	0	0	0	0	2,561
Delivery Percentage		0%	0%	68%	71%	82%	85%	91%	100%	0%	100%	0%	81%

Into Reservoir Storage	1,285	2,562	238	1,282	829	113	0	0	0	0	22	18	6,349
Reservoir Evaporation Loss	8	22	58	81	107	154	133	63	4	0	0	0	630
From Reservoir Storage	0	0	123	20	0	397	2,503	2,504	339	0	8	0	5,894
<b>End of Month Reservoir Storage</b>	<b>1,500</b>	<b>4,040</b>	<b>4,097</b>	<b>5,278</b>	<b>6,000</b>	<b>5,562</b>	<b>2,926</b>	<b>359</b>	<b>16</b>	<b>16</b>	<b>30</b>	<b>48</b>	

State Exchange Diverted	0	28	0	0	0	0	0	0	0	0	0	0	28
State Exchange Delivered (Irrigation)	0	24	0	0	0	0	0	0	0	0	0	0	24
State Exchange Delivered (Loss/Spreading)	0	4	0	0	0	0	0	0	0	0	0	0	4
Mandatory Release Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2008

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

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

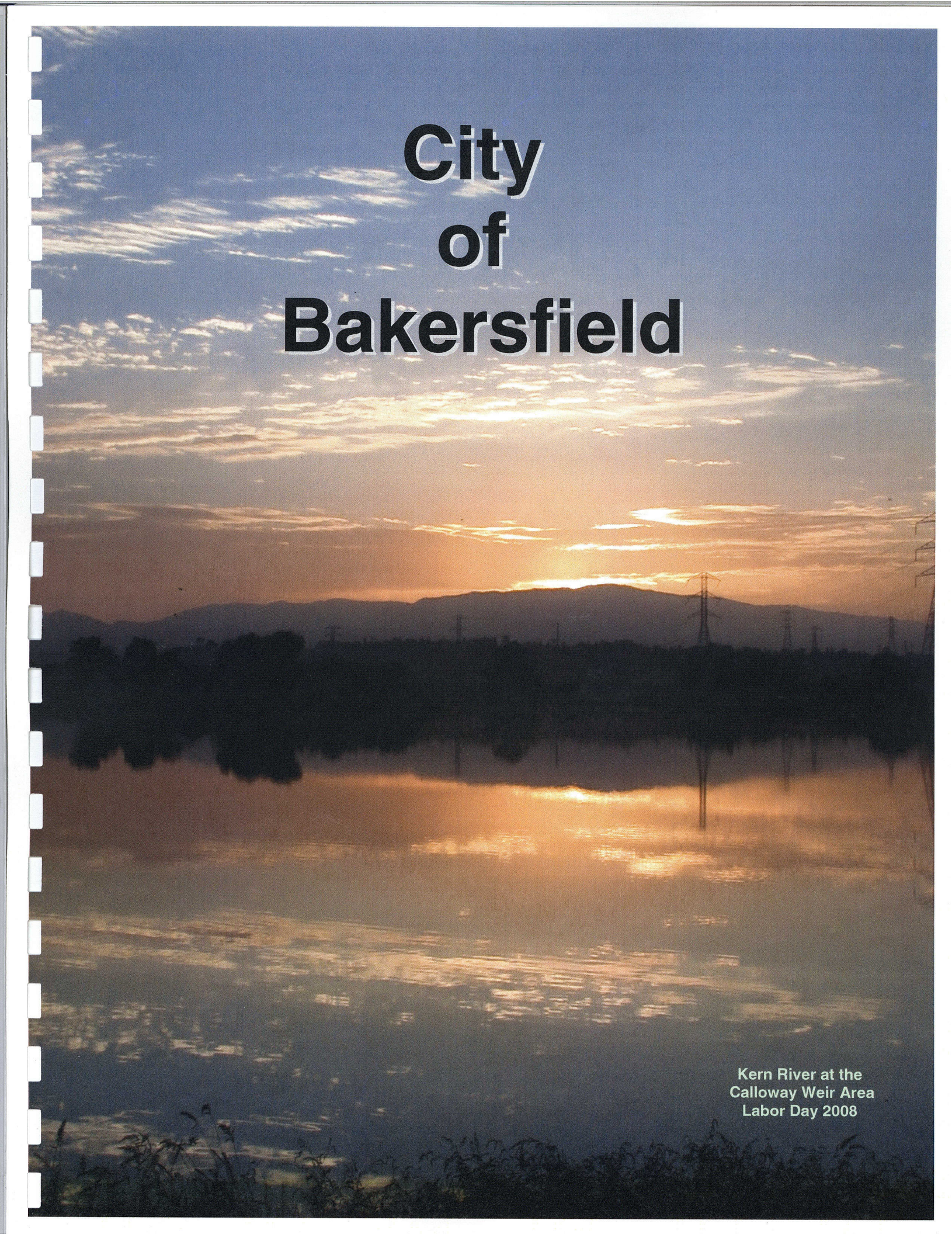
Year: 2008

Quantities in acre-feet

	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	99	0	0	0	0	0	0	749	0	0	0	848	3,317
December	2	0	0	0	0	0	0	0	0	0	0	2	3,315
January	0	0	0	0	0	0	0	0	0	0	0	0	3,315
February	597	520	0	0	0	28	0	0	0	0	0	1,145	2,170
March	1,297	849	0	0	0	0	0	0	0	0	2	2,148	22
April	22	0	0	0	0	0	0	0	0	0	0	22	0
<b>Total</b>	<b>2,017</b>	<b>1,369</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>749</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4,165</b>	<b>4,165</b>

	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
March	0	0	0	0	0	0	0	0	0	0	0	0	8,577
April	466	121	0	0	0	0	0	0	0	0	0	587	7,990
May	611	313	0	329	0	0	0	0	0	0	0	1,253	6,737
June	369	44	0	87	0	0	0	0	0	0	0	500	6,237
July	720	56	0	0	0	0	0	0	0	0	0	776	5,461
August	39	1,073	0	0	186	0	0	0	0	0	0	1,298	4,163
September	157	1,061	0	0	0	0	0	0	0	0	0	1,218	2,945
October	77	0	0	0	0	0	0	0	0	0	0	77	2,868
<b>Total</b>	<b>2,439</b>	<b>2,668</b>	<b>0</b>	<b>416</b>	<b>186</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,709</b>	<b>8,577</b>

	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	32	0	0	0	0	0	0	0	0	0	0	32	2,836
December	0	0	0	0	0	0	0	0	0	0	0	0	2,836
<b>Total</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>2,868</b>



# City of Bakersfield

Kern River at the  
Calloway Weir Area  
Labor Day 2008





# KERN RIVER CHANNEL OPERATIONS CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 2008

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
<b>+ Kern River at First Point of Measurement</b>	<b>12,906</b>	<b>19,123</b>	<b>33,421</b>	<b>38,245</b>	<b>57,413</b>	<b>81,876</b>	<b>77,982</b>	<b>66,777</b>	<b>26,991</b>	<b>17,339</b>	<b>14,846</b>	<b>8,955</b>	<b>455,874</b>
- Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
- Beardsley Canal at Head	1,761	7,686	14,912	13,842	17,877	20,340	21,951	14,446	11,302	6,787	6,795	3,997	141,696
- Carrier Canal at Head	10,469	10,804	17,833	23,748	34,197	35,518	35,034	36,988	11,585	7,906	7,396	2,993	234,471
<b>= Rocky Point Weir</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,663</b>	<b>25,363</b>	<b>20,321</b>	<b>14,667</b>	<b>3,449</b>	<b>1,970</b>	<b>0</b>	<b>1,289</b>	<b>71,722</b>
+ Carrier Waste Gate	0	0	0	0	0	297	0	147	0	0	1,008	367	1,819
+ Farmers-Stine-Anderson: to River	2,456	2,249	3,227	3,381	2,408	0	0	1,347	0	1,089	2,283	385	18,825
- Farmers-Stine-Anderson from River	0	0	0	0	3,207	21,574	17,829	11,214	0	0	0	63	53,887
- Calloway Canal at Head	1,496	1,537	2,442	2,622	2,967	3,118	1,688	3,352	2,880	2,519	1,769	1,319	27,709
- River Loss: Rocky Point to Calloway Weir	883	668	785	759	897	968	758	595	569	540	456	659	8,537
<b>= Calloway River Weir</b>	<b>77</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>1,066</b>	<b>0</b>	<b>2,233</b>
+ CVC T.O #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Truxtun Lake to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O #3 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	93	0	93
- River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: Cally. Weir to River Canal Weir	77	44	0	0	0	0	46	1,000	0	0	1,159	0	2,326
<b>= River Canal Weir</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
+ Pioneer Turnout	0	0	0	0	131	139	131	143	0	67	22	0	633
- The Park at River Walk	0	0	0	0	131	139	131	143	0	67	22	0	633
+ CVC T.O. #2 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
- Rosedale Channel at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- North Lake Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pioneer Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Berranda Mesa Pipeline Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: River Canal to Bellevue Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= Flow at Bellevue Weir</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
- River Loss: Bellevue Weir to ID#4 Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: ID#4 Boundary to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O. #1 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ River Canal Turnout to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pioneer Central from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pioneer North from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern Water Bank from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern Water Bank Canal at Head	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	0	0	0	0	0	0	0	0	0	0	0
<b>= Second Point via Kern River Channel</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# CARRIER CANAL OPERATIONS CITY OF BAKERSFIELD

Year: 2008

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
<b>+ Carrier Canal at Head</b>	<b>10,469</b>	<b>10,804</b>	<b>17,833</b>	<b>23,748</b>	<b>34,197</b>	<b>35,518</b>	<b>35,034</b>	<b>36,988</b>	<b>11,585</b>	<b>7,906</b>	<b>7,396</b>	<b>2,993</b>	<b>234,471</b>
- Carrier Waste Gate	0	0	0	0	0	297	0	147	0	0	1,008	367	1,819
+ Oilfield Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0
- Canal Refill	26	0	0	0	0	0	0	0	0	0	0	38	64
<b>= Carrier Reclamation Weir</b>	<b>10,443</b>	<b>10,804</b>	<b>17,833</b>	<b>23,748</b>	<b>34,197</b>	<b>35,221</b>	<b>35,034</b>	<b>36,841</b>	<b>11,585</b>	<b>7,906</b>	<b>6,388</b>	<b>2,588</b>	<b>232,588</b>
+ Storm Drain Inflow	50	65	0	0	0	0	0	0	0	0	0	109	224
- Eastside Canal at Head	0	520	1,763	2,093	2,953	2,394	2,624	1,985	1,061	0	0	0	15,393
- Kern Island Canal at Head	7,640	7,979	12,843	17,167	18,924	21,509	19,206	21,360	10,524	4,988	3,420	2,108	147,568
<b>= Levee No. 1</b>	<b>2,853</b>	<b>2,370</b>	<b>3,227</b>	<b>4,488</b>	<b>12,320</b>	<b>11,318</b>	<b>13,204</b>	<b>13,496</b>	<b>0</b>	<b>2,918</b>	<b>2,968</b>	<b>589</b>	<b>69,751</b>
- Farmers-Stine-Anderson: to River	2,456	2,249	3,227	3,381	2,408	0	0	1,347	0	1,089	2,283	385	18,825
+ Farmers-Stine-Anderson: from River	0	0	0	0	3,207	21,574	17,829	11,214	0	0	0	63	53,887
<b>= Carrier Canal at Oak Street</b>	<b>397</b>	<b>121</b>	<b>0</b>	<b>1,107</b>	<b>13,119</b>	<b>32,892</b>	<b>31,033</b>	<b>23,363</b>	<b>0</b>	<b>1,829</b>	<b>685</b>	<b>267</b>	<b>104,813</b>
- Stine Canal at Head	0	0	0	8	3,719	5,405	4,925	1,109	0	0	0	0	15,166
- Carrier to Truxtun Lakes	48	44	0	0	809	892	601	1,075	0	371	276	139	4,255
+ Truxtun Lakes to Carrier	48	0	0	0	629	730	456	888	0	279	161	0	3,191
- Arvin-Edison Turnout	0	0	0	0	0	1,567	3,330	2,237	0	0	0	0	7,134
- Total Carrier Canal Loss	252	77	0	484	1,258	1,103	783	617	0	575	233	128	5,510
+ River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= River Canal at Stockdale Highway</b>	<b>145</b>	<b>0</b>	<b>0</b>	<b>615</b>	<b>7,962</b>	<b>24,655</b>	<b>21,850</b>	<b>19,213</b>	<b>0</b>	<b>1,162</b>	<b>337</b>	<b>0</b>	<b>75,939</b>
- Buena Vista Canal at Head	145	0	0	615	4,132	5,970	6,494	2,227	0	1,095	315	0	20,993
- Pioneer Turnout	0	0	0	0	131	139	131	143	0	67	22	0	633
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Well Water Production	0	0	0	0	0	179	725	711	679	702	669	473	4,138
<b>= River Canal at Alternate Second Point</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,599</b>	<b>18,725</b>	<b>15,950</b>	<b>17,554</b>	<b>679</b>	<b>702</b>	<b>669</b>	<b>473</b>	<b>58,451</b>
+ City-Olcese Well Water Production	1,021	0	0	425	1,848	1,805	1,293	1,263	1,325	1,492	1,529	547	12,548
+ Berrenda Mesa Well Water Production	342	0	829	1,255	1,261	1,159	1,096	1,048	957	935	852	615	10,349
+ ID4 Well Water Production	760	0	286	867	888	802	830	782	678	677	599	276	7,445
+ Pioneer Well Water Production	2,229	137	1,633	2,542	2,574	2,691	2,922	2,799	2,721	2,802	2,601	1,830	27,481
+ KWB Well Water Production	2,220	2,170	2,139	2,326	2,163	2,080	2,145	2,074	1,936	1,933	1,697	1,250	24,133
- Kern Delta WD via River Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
- KCWA via River Canal	6,572	2,307	4,887	6,990	6,886	6,911	7,718	7,414	6,971	7,049	7,398	4,991	76,094
- City of Bakersfield for Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
- County of Kern	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= Second Point Group Flow via River Canal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>425</b>	<b>5,547</b>	<b>20,351</b>	<b>16,518</b>	<b>18,106</b>	<b>1,325</b>	<b>1,492</b>	<b>549</b>	<b>0</b>	<b>64,313</b>

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

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	463	1,147	20,789	20,080	25,938	20,852	11,663	2	0	0	99	256	101,289
Release	842	46	81	577	440	293	0	0	0	833	1,091	974	5,177
<b>ENTITLEMENT + OR - RELEASES</b>	<b>= 1,305</b>	<b>1,193</b>	<b>20,870</b>	<b>20,657</b>	<b>26,378</b>	<b>21,145</b>	<b>11,663</b>	<b>2</b>	<b>0</b>	<b>833</b>	<b>1,190</b>	<b>1,230</b>	<b>106,466</b>
NKWSD to City	0	0	0	0	0	0	0	0	0	0	0	0	0
From Reservoir Storage	95	36	0	0	79	5,229	8,609	25,181	1,857	753	78	111	41,917
Into Reservoir Storage	420	269	15,995	13,116	13,854	5,412	961	0	0	0	2,480	111	52,618
Other	0	0	0	0	0	0	0	0	0	0	2,456	6	2,462
<b>TOTAL SUPPLY</b>	<b>= 980</b>	<b>960</b>	<b>4,875</b>	<b>7,541</b>	<b>12,603</b>	<b>20,962</b>	<b>19,311</b>	<b>25,183</b>	<b>1,857</b>	<b>1,586</b>	<b>1,244</b>	<b>1,125</b>	<b>98,227</b>

County of Kern (Above First Point)	30	36	72	91	122	159	189	177	136	101	68	47	1,228
Kern Valley Golf Course	0	0	12	29	29	32	33	35	30	15	4	0	219
California Water Service Company	909	774	732	1,080	1,258	1,428	1,567	1,673	1,584	1,241	999	844	14,089
Olcose Water District	9	19	48	75	104	125	113	129	107	71	18	7	825
North Kern WSD (Basic Contract)	0	0	0	0	0	5,000	5,000	10,000	0	0	0	0	20,000
North Kern WSD (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD (Borrow/Payback)	0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD (Basic Contract)	0	0	1,462	2,882	4,705	7,421	6,130	5,400	0	0	0	0	28,000
Cawelo WD (Basic Contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD (Miscellaneous)	0	0	2,218	2,522	4,000	4,000	4,000	4,000	0	0	0	0	20,740
Kern-Tulare WD (Basic Contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD (Miscellaneous)	0	0	333	377	600	600	600	600	0	0	0	0	3,110
Rag Gulch WD (Basic Contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rag Gulch WD (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Basic Contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigating Company	0	0	0	0	0	0	0	0	0	0	60	222	329
Arvin-Edison WSD	0	0	0	0	0	0	0	0	0	0	0	0	1,815
Truxtun Lake	0	44	0	0	180	162	145	187	0	92	71	0	881
The Park at River Walk	0	0	0	0	131	139	131	143	0	67	22	0	633
North Lake	0	0	0	0	0	0	0	0	0	0	0	0	0
Glen Grundeis	0	0	0	0	0	0	0	0	0	0	0	0	0
Michael Harvick	0	0	0	0	0	0	0	0	0	0	0	0	0
Joy Cordova	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	32	87	(2)	485	1,474	1,896	1,403	977	0	(1)	2	1	6,354
<b>TOTAL DIVERTED</b>	<b>= 980</b>	<b>960</b>	<b>4,875</b>	<b>7,541</b>	<b>12,603</b>	<b>20,962</b>	<b>19,311</b>	<b>25,183</b>	<b>1,857</b>	<b>1,586</b>	<b>1,244</b>	<b>1,125</b>	<b>98,227</b>

Into Reservoir Storage	420	269	15,995	13,116	13,854	5,412	961	0	0	0	2,480	111	52,618
Reservoir Evaporation Loss	105	103	270	581	835	1,339	1,462	988	641	475	247	176	7,222
From Reservoir Storage	95	36	0	0	79	5,229	8,609	25,181	1,857	753	78	0	41,917
<b>End of Month Reservoir Storage</b>	<b>9,777</b>	<b>9,907</b>	<b>25,632</b>	<b>38,167</b>	<b>51,107</b>	<b>49,951</b>	<b>40,841</b>	<b>14,672</b>	<b>12,174</b>	<b>10,946</b>	<b>13,101</b>	<b>13,036</b>	

CITY OF BAKERSFIELD STATUS OF LONG TERM CONTRACTS

Quantities in acre-feet

Table for NORTH KERN WATER STORAGE DISTRICT. Columns include Year, Basic Contract Amount, Cumulative Contract Amount, Basic Contract Delivered, Cumulative Contract Delivered, Basic Contract Balance, and Basic Contract Balance.

Table for CAWELO WATER DISTRICT. Columns include Year, Basic Contract Amount, Cumulative Contract Amount, Basic Contract Delivered, Cumulative Contract Delivered, Basic Contract Balance, and Basic Contract Balance.

Table for KERN-TULARE WATER DISTRICT. Columns include Year, Basic Contract Amount, Cumulative Contract Amount, Basic Contract Delivered, Cumulative Contract Delivered, Basic Contract Balance, and Basic Contract Balance.

Table for RAG GULCH WATER DISTRICT. Columns include Year, Basic Contract Amount, Cumulative Contract Amount, Basic Contract Delivered, Cumulative Contract Delivered, Basic Contract Balance, and Basic Contract Balance.

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

Basic Contract

Year: 2008

Quantities in acre-feet

	NORTH KERN WSD		CAWELO WD		KERN-TULARE WD		RAG GULCH WD		MONTH TOTALS	
	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	1) 1,475	1,475	2,218	2,218	333	333	4,026	4,026
April	0	0	1) 2,921	4,396	2,522	4,740	377	710	5,820	9,846
May	0	0	1) 4,759	9,155	4,000	8,740	600	1,310	9,359	19,205
June	5,000	5,000	1) 7,476	16,631	4,000	12,740	600	1,910	17,076	36,281
July	5,000	10,000	1) 6,132	22,763	4,000	16,740	600	2,510	15,732	52,013
August	10,000	20,000	5,400	28,163	4,000	20,740	600	3,110	20,000	72,013
September	0	20,000	0	28,163	0	20,740	0	3,110	0	72,013
October	0	20,000	0	28,163	0	20,740	0	3,110	0	72,013
November	0	20,000	0	28,163	0	20,740	0	3,110	0	72,013
December	0	20,000	0	28,163	0	20,740	0	3,110	0	72,013
<b>Year Total</b>	<b>20,000</b>		<b>28,163</b>		<b>20,740</b>		<b>3,110</b>		<b>72,013</b>	

Note: 1) Includes Isabella Reservoir evaporation loss attributable to unused contract.

City of Bakersfield Diverted to North Kern WSD  
 (Basic Contract)  
 (Does not include deliveries into Isabella Reservoir storage)

Year: 2008

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

# CAWELO WATER DISTRICT OPERATIONS

Year: 2008

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>+ Cawelo WD via Pump Station "B"</b>	<b>0</b>	<b>0</b>	<b>1,008</b>	<b>2,322</b>	<b>4,119</b>	<b>6,343</b>	<b>7,478</b>	<b>5,090</b>	<b>3,951</b>	<b>1,801</b>	<b>409</b>	<b>0</b>	<b>32,521</b>
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	0	0	0	0	0	0	0	0	248	0	0	248
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	20	186	157	58	155	52	117	0	0	0	0	745
Lerdo Delivery Gate No. 8-0-25	0	0	44	16	38	101	85	61	52	20	83	0	500
Lerdo Delivery Gate No. 8-0-100	0	0	0	0	6	12	6	6	6	12	0	0	48
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	24	67	109	149	190	198	119	115	87	6	0	1,064
Lerdo Delivery Gate No. 8-0-291	0	49	121	184	253	224	329	206	184	164	2	0	1,716
Lerdo Delivery Gate No. 8-0-292	0	2	12	18	24	24	34	20	16	12	0	0	162
Lerdo Delivery Pump Station "D"	0	0	0	0	0	417	803	922	268	0	0	0	2,410
<b>+ Total Lerdo Turnout Deliveries</b>	<b>0</b>	<b>95</b>	<b>430</b>	<b>484</b>	<b>528</b>	<b>1,123</b>	<b>1,507</b>	<b>1,451</b>	<b>641</b>	<b>543</b>	<b>91</b>	<b>0</b>	<b>6,893</b>
Beardsley Canal Loss	0	18	52	60	60	60	61	61	60	58	14	0	504
Lerdo Loss	0	2	16	32	50	85	101	79	48	22	4	0	439
<b>+ Total Loss</b>	<b>0</b>	<b>20</b>	<b>68</b>	<b>92</b>	<b>110</b>	<b>145</b>	<b>162</b>	<b>140</b>	<b>108</b>	<b>80</b>	<b>18</b>	<b>0</b>	<b>943</b>
<b>+ Via North Kern WSD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>= Total Diverted for Cawelo WD</b>	<b>0</b>	<b>115</b>	<b>1,506</b>	<b>2,898</b>	<b>4,757</b>	<b>7,611</b>	<b>9,147</b>	<b>6,681</b>	<b>4,700</b>	<b>2,424</b>	<b>518</b>	<b>0</b>	<b>40,357</b>

**Cawelo Water District Source of Supply:**

+ City of Bakersfield Basic Contract	0	0	1,462	2,882	4,705	7,421	6,130	5,400	0	0	0	0	28,000
+ City of Bakersfield Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
+ City of Bakersfield Non-Kern River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Rosedale-Rio Bravo WSD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Kern River Canal & Irrigating Company	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sunview Vineyards Well	0	0	44	16	36	0	0	0	0	0	67	0	163
+ Paramount Farming Company Well	0	0	0	0	16	190	169	210	198	207	2	0	992
+ Buena Vista WSD State Exchange	0	0	0	0	0	0	2,848	1,071	3,141	1,636	189	0	8,885
+ North Kern WSD Exchange	0	115	0	0	0	0	0	0	1,361	581	260	0	2,317
+ via CVC Conduit "A"	0	0	0	0	0	0	0	0	0	0	0	0	0
+ North Kern WSD Non-Kern River	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= Total Cawelo Water District Supply</b>	<b>0</b>	<b>115</b>	<b>1,506</b>	<b>2,898</b>	<b>4,757</b>	<b>7,611</b>	<b>9,147</b>	<b>6,681</b>	<b>4,700</b>	<b>2,424</b>	<b>518</b>	<b>0</b>	<b>40,357</b>

DISCHARGE IN CUBIC FEET PER SECOND Cawelo Water District Total Diverted via Beardsley-Lerdo Canal System Year: 2008

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	28	42	100	178	130	124	45	42	0
2	0	0	0	28	43	108	176	123	126	23	41	0
3	0	9	16	30	42	107	177	91	130	23	43	0
4	0	4	6	24	0	100	172	93	92	4	40	0
5	0	0	52	22	44	98	138	58	95	3	3	0
6	0	0	51	21	48	98	136	57	91	48	3	0
7	0	0	45	21	43	98	150	125	86	49	3	0
8	0	0	0	31	61	97	146	164	93	45	3	0
9	0	0	0	59	61	121	168	164	60	48	3	0
10	0	0	2	61	59	121	175	86	79	52	3	0
11	0	0	19	50	55	120	153	92	43	50	3	0
12	0	0	36	35	65	130	141	135	43	46	3	0
13	0	0	40	28	62	128	119	130	112	58	3	0
14	0	0	28	31	60	99	118	129	110	51	3	0
15	0	0	25	44	93	99	169	92	113	28	2	0
16	0	0	16	67	94	110	134	57	113	30	2	0
17	0	0	25	74	90	174	121	58	113	34	0	0
18	0	0	26	70	93	174	120	91	111	33	0	0
19	0	4	33	80	99	179	153	165	78	34	0	0
20	0	4	28	76	91	178	157	165	77	38	0	0
21	0	12	23	40	98	139	157	125	78	33	0	0
22	0	6	21	61	89	139	153	90	76	34	0	0
23	0	4	22	93	133	176	161	88	42	35	1	0
24	0	0	22	98	131	146	160	88	41	33	22	0
25	0	0	44	74	130	146	122	93	43	52	19	0
26	0	0	54	50	98	143	121	129	41	50	19	0
27	0	0	51	37	99	108	124	127	40	51	0	0
28	0	5	38	43	91	112	123	126	39	51	0	0
29	0	10	10	43	95	143	161	87	40	51	0	0
30	0	-	0	42	98	146	166	87	40	44	0	0
31	0	-	26	-	91	-	163	124	-	46	-	0
TOTAL	0	58	759	1,461	2,398	3,837	4,612	3,369	2,369	1,222	261	0
MAXIMUM DAY	0	12	54	98	133	179	178	165	130	58	43	0
MINIMUM DAY	0	0	0	21	0	97	118	57	39	3	0	0
MEAN	0	2	24	49	77	128	149	109	79	39	9	0
TOTAL AC. FT.	0	115	1,506	2,898	4,757	7,611	9,147	6,681	4,700	2,424	518	0
WHOLE YEAR:-	TOTAL,	20,346	MAX.,	179	MIN.,	0	MEAN,	56	TOTAL AC.FT.,	40,357		



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

Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	28	42	96	175	127	0	0	0	0
2	0	0	0	28	43	105	173	120	0	0	0	0
3	0	0	14	30	42	104	175	88	0	0	0	0
4	0	0	4	24	0	96	169	89	0	0	0	0
5	0	0	50	22	44	95	135	55	0	0	0	0
6	0	0	49	21	48	95	133	53	0	0	0	0
7	0	0	43	21	43	94	148	122	0	0	0	0
8	0	0	0	31	61	94	143	160	0	0	0	0
9	0	0	0	59	61	118	165	161	0	0	0	0
10	0	0	2	61	59	118	172	82	0	0	0	0
11	0	0	17	50	55	117	151	89	0	0	0	0
12	0	0	34	35	65	126	138	131	0	0	0	0
13	0	0	38	28	62	125	116	127	0	0	0	0
14	0	0	26	31	60	96	115	125	0	0	0	0
15	0	0	23	44	93	95	167	89	0	0	0	0
16	0	0	16	67	94	107	131	53	0	0	0	0
17	0	0	25	74	88	171	118	55	0	0	0	0
18	0	0	24	70	91	170	117	87	0	0	0	0
19	0	0	33	78	97	176	151	162	0	0	0	0
20	0	0	28	74	89	175	154	161	0	0	0	0
21	0	0	23	38	96	136	145	122	0	0	0	0
22	0	0	21	61	89	136	0	86	0	0	0	0
23	0	0	22	91	131	173	0	85	0	0	0	0
24	0	0	22	98	129	143	0	84	0	0	0	0
25	0	0	44	74	128	143	0	90	0	0	0	0
26	0	0	54	50	96	140	0	120	0	0	0	0
27	0	0	51	37	99	105	0	0	0	0	0	0
28	0	0	38	43	91	109	0	0	0	0	0	0
29	0	0	10	43	93	140	0	0	0	0	0	0
30	0	0	0	42	95	143	0	0	0	0	0	0
31	0	0	26	-	88	-	0	0	-	0	-	0
TOTAL	0	0	737	1,453	2,372	3,741	3,091	2,723	0	0	0	0
MAXIMUM DAY	0	0	54	98	131	176	175	162	0	0	0	0
MINIMUM DAY	0	0	0	21	0	94	0	0	0	0	0	0
MEAN	0	0	24	48	77	125	100	88	0	0	0	0
TOTAL AC. FT.	0	0	1,462	2,882	4,705	7,421	6,130	5,400	0	0	0	0
WHOLE YEAR:-	TOTAL,	14,117	MAX.,	176	MIN.,	0	MEAN,	39	TOTAL AC.FT.,	28,000		

**DISCHARGE IN CUBIC FEET PER SECOND**  
**Buena Vista WSD Diverted for Cawelo Water District**  
**(Kern River/SWP Exchange)**  
**Year: 2008**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	111	32	33	0
2	0	0	0	0	0	0	0	0	114	11	14	0
3	0	0	0	0	0	0	0	0	118	11	0	0
4	0	0	0	0	0	0	0	0	79	0	0	0
5	0	0	0	0	0	0	0	0	83	0	0	0
6	0	0	0	0	0	0	0	0	78	16	0	0
7	0	0	0	0	0	0	0	0	72	36	0	0
8	0	0	0	0	0	0	0	0	81	33	0	0
9	0	0	0	0	0	0	0	0	48	35	0	0
10	0	0	0	0	0	0	0	0	31	38	0	0
11	0	0	0	0	0	0	0	0	0	38	0	0
12	0	0	0	0	0	0	0	0	0	33	0	0
13	0	0	0	0	0	0	0	0	0	44	0	0
14	0	0	0	0	0	0	0	0	0	38	0	0
15	0	0	0	0	0	0	0	0	0	16	0	0
16	0	0	0	0	0	0	0	0	89	17	0	0
17	0	0	0	0	0	0	0	0	101	22	0	0
18	0	0	0	0	0	0	0	0	99	20	0	0
19	0	0	0	0	0	0	0	0	65	20	0	0
20	0	0	0	0	0	0	0	0	64	26	0	0
21	0	0	0	0	0	0	9	0	64	21	0	0
22	0	0	0	0	0	0	150	0	63	21	0	0
23	0	0	0	0	0	0	159	0	28	23	0	0
24	0	0	0	0	0	0	157	0	28	20	16	0
25	0	0	0	0	0	0	119	0	31	38	13	0
26	0	0	0	0	0	0	118	5	28	37	19	0
27	0	0	0	0	0	0	121	124	27	38	0	0
28	0	0	0	0	0	0	121	122	26	37	0	0
29	0	0	0	0	0	0	158	84	27	39	0	0
30	0	-	0	0	0	0	163	84	28	32	0	0
31	0	-	0	-	0	-	161	121	-	33	-	0
TOTAL	0	0	0	0	0	0	1,436	540	1,583	825	95	0
MAXIMUM DAY	0	0	0	0	0	0	163	124	118	44	33	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	46	17	53	27	3	0
TOTAL AC. FT.	0	0	0	0	0	0	2,848	1,071	3,141	1,636	189	0
WHOLE YEAR:-	TOTAL,	4,479	MAX.,	163	MIN.,	0	MEAN,	12	TOTAL AC.FT.,	8,885		

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

Year: 2008

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Total Basic Contract Diverted	0	0	2,551	2,899	4,600	4,600	4,600	4,600	0	0	0	0	23,850
- Kern-Tulare Water District	0	0	2,218	2,522	4,000	4,000	4,000	4,000	0	0	0	0	20,740
= Rag Gulch Water District	0	0	333	377	600	600	600	600	0	0	0	0	3,110
+ Total Misc. Quantity Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern-Tulare Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
= Rag Gulch Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= Total Diverted</b>	<b>0</b>	<b>0</b>	<b>2,551</b>	<b>2,899</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,850</b>

+ via Calloway Canal	0	0	1,930	1,099	2,204	2,249	1,113	2,331	0	0	0	0	10,926
+ River Transportation Loss/Spreading	0	0	621	327	520	131	157	172	0	0	0	0	1,928
+ Carrier Canal Recharge	0	0	0	0	0	0	0	0	0	0	0	0	0
+ via Kern Island Canal	0	0	0	1,473	1,317	653	0	1,675	0	0	0	0	5,118
+ via Arvin-Edison Turnout	0	0	0	0	0	1,567	3,330	422	0	0	0	0	5,319
+ via North Kern Water Storage District	0	0	0	0	559	0	0	0	0	0	0	0	559
+ Isabella Reservoir Evaporation Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= Total Diverted to I.D. No. 4</b>	<b>0</b>	<b>0</b>	<b>2,551</b>	<b>2,899</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,850</b>
- Kern-Tulare Water District	0	0	2,218	2,522	4,000	4,000	4,000	4,000	0	0	0	0	20,740
= Rag Gulch Water District	0	0	333	377	600	600	600	600	0	0	0	0	3,110

+ via Arvin-Edison Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Canal Transportation Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= Total Diverted to Arvin-Edison T.O.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
- Kern-Tulare Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
= Rag Gulch Water District	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>= Via North Kern Water Storage District</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
- Kern-Tulare Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
= Rag Gulch Water District	0	0	0	0	0	0	0	0	0	0	0	0	0

City of Bakersfield Diverted for Kern-Tulare WD  
(Kern-Tulare WD/Improvement District No. 4 Exchange)  
(Basic Contract) Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	26	32	83	111	125	171	0	0	0	0
2	0	0	24	48	91	150	131	47	0	0	0	0
3	0	0	34	38	82	179	124	30	0	0	0	0
4	0	0	34	90	57	196	124	88	0	0	0	0
5	0	0	37	37	80	108	110	135	0	0	0	0
6	0	0	38	34	80	30	75	111	0	0	0	0
7	0	0	37	59	82	30	121	116	0	0	0	0
8	0	0	38	62	83	36	121	115	0	0	0	0
9	0	0	37	86	90	34	125	110	0	0	0	0
10	0	0	34	90	84	36	121	36	0	0	0	0
11	0	0	38	113	91	26	129	126	0	0	0	0
12	0	0	30	122	80	30	115	103	0	0	0	0
13	0	0	34	87	78	31	67	103	0	0	0	0
14	0	0	31	107	84	35	23	101	0	0	0	0
15	0	0	32	101	40	30	0	43	0	0	0	0
16	0	0	28	86	48	36	0	41	0	0	0	0
17	0	0	31	80	51	29	0	38	0	0	0	0
18	0	0	35	0	51	35	14	40	0	0	0	0
19	0	0	41	0	40	39	42	35	0	0	0	0
20	0	0	37	0	41	33	17	38	0	0	0	0
21	0	0	43	0	37	39	86	33	0	0	0	0
22	0	0	40	0	48	38	118	43	0	0	0	0
23	0	0	39	0	41	38	105	39	0	0	0	0
24	0	0	40	0	37	39	46	32	0	0	0	0
25	0	0	37	0	21	62	0	37	0	0	0	0
26	0	0	40	0	22	123	0	37	0	0	0	0
27	0	0	38	0	26	122	0	40	0	0	0	0
28	0	0	42	0	31	110	0	35	0	0	0	0
29	0	0	46	0	31	89	43	91	0	0	0	0
30	0	-	34	0	185	122	17	2	0	0	0	0
31	0	-	43	-	122	-	18	0	-	0	-	0
TOTAL	0	0	1,118	1,272	2,017	2,016	2,017	2,016	0	0	0	0
MAXIMUM DAY	0	0	46	122	185	196	131	171	0	0	0	0
MINIMUM DAY	0	0	24	0	21	26	0	0	0	0	0	0
MEAN	0	0	36	42	65	67	65	65	0	0	0	0
TOTAL AC. FT.	0	0	2,218	2,522	4,000	4,000	4,000	4,000	0	0	0	0
WHOLE YEAR:-	TOTAL,	10,456	MAX.,	196	MIN.,	0	MEAN,	29	TOTAL AC.FT.,	20,740		

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2008

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	4	5	13	17	19	26	0	0	0	0
2	0	0	3	7	14	23	19	7	0	0	0	0
3	0	0	5	6	12	27	18	5	0	0	0	0
4	0	0	5	14	8	30	18	13	0	0	0	0
5	0	0	5	6	12	16	17	20	0	0	0	0
6	0	0	6	5	12	4	11	17	0	0	0	0
7	0	0	5	9	12	5	18	17	0	0	0	0
8	0	0	6	9	13	5	18	17	0	0	0	0
9	0	0	5	13	13	5	19	17	0	0	0	0
10	0	0	5	13	13	5	18	5	0	0	0	0
11	0	0	6	17	14	4	19	19	0	0	0	0
12	0	0	5	18	12	5	17	16	0	0	0	0
13	0	0	5	13	12	5	10	16	0	0	0	0
14	0	0	5	16	13	5	3	15	0	0	0	0
15	0	0	5	15	6	5	0	6	0	0	0	0
16	0	0	4	13	7	5	0	6	0	0	0	0
17	0	0	5	11	8	4	0	6	0	0	0	0
18	0	0	5	0	8	5	2	6	0	0	0	0
19	0	0	6	0	6	6	6	5	0	0	0	0
20	0	0	6	0	6	5	3	6	0	0	0	0
21	0	0	7	0	5	6	13	5	0	0	0	0
22	0	0	6	0	7	6	18	7	0	0	0	0
23	0	0	6	0	6	6	16	6	0	0	0	0
24	0	0	6	0	5	6	7	5	0	0	0	0
25	0	0	5	0	3	9	0	5	0	0	0	0
26	0	0	6	0	3	18	0	6	0	0	0	0
27	0	0	6	0	4	18	0	6	0	0	0	0
28	0	0	6	0	5	16	0	5	0	0	0	0
29	0	0	7	0	4	14	7	13	0	0	0	0
30	0	-	5	0	28	18	3	0	0	0	0	0
31	0	-	7	-	18	-	3	0	-	0	-	0
TOTAL	0	0	168	190	302	303	302	303	0	0	0	0
MAXIMUM DAY	0	0	7	18	28	30	19	26	0	0	0	0
MINIMUM DAY	0	0	3	0	3	4	0	0	0	0	0	0
MEAN	0	0	5	6	10	10	10	10	0	0	0	0
TOTAL AC. FT.	0	0	333	377	600	600	600	600	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,568	MAX.,	30	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	3,110		

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

(Does not include deliveries into Isabella Reservoir storage)

YEAR: 2008

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Treatment Plant via Calloway Canal	1234	1313	2200	2374	2700	2868	1513	3098	2656	2313	1551	1180	25000
+ Calloway Canal Operational Losses	218	208	228	228	245	232	131	238	202	164	145	111	2350
+ Calloway Canal Below "99"	44	16	14	20	22	18	44	16	22	42	73	28	359
+ Cross Valley Canal Filling Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 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	1496	1537	2442	2622	2967	3118	1688	3352	2880	2519	1769	1319	27709
+ Treatment Plant via Beardsley Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Beardsley Canal Diversion Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cross Valley Canal System Loss/Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
+ North Kern WSD via Beardsley Canal	0	0	0	0	559	0	0	0	0	0	0	0	559
+ Sub-total Beardsley Canal	0	0	0	0	559	0	0	0	0	0	0	0	559
+ 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 via Kern Island Canal	0	0	0	1611	1317	653	0	2943	1198	0	0	0	7722
+ Truxtun Lakes	0	0	0	0	0	1567	3330	422	0	0	44	77	121
+ Arvin-Edison WSD Turnout	0	0	0	0	0	54	85	6	0	0	0	0	5319
+ Carrier Canal Loss/Spdg	0	0	0	0	0	2274	3415	3371	1198	0	57	81	283
+ Sub-total via Carner Canal	0	0	0	1611	1317	2274	3415	3371	1198	0	101	158	13445
+ River Loss/Spdg Above Calloway Weir	883	638	785	759	679	121	56	226	569	540	456	659	6371
+ River Spreading Below Calloway Weir	0	0	0	0	0	0	46	1000	0	0	1066	0	2112
+ Sub-total River Loss/Spreading	883	638	785	759	679	121	102	1226	569	540	1522	659	8483
+ The Park at River Walk	0	0	0	0	0	0	0	0	0	0	0	0	0
= Improvement District #4 Total Diverted	2379	2175	3227	4992	5522	5513	5205	7949	4647	3059	3392	2136	50196
+ Kern-Tulare WD Basic Contract	0	0	2218	2522	4000	4000	4000	4000	0	0	0	0	20740
+ Rag Gulch WD Basic Contract	0	0	333	377	600	600	600	600	0	0	0	0	3110
+ Sub-total K-TWD/RGWD Basic Contract	0	0	2551	2899	4600	4600	4600	4600	0	0	0	0	23850
+ Kern-Tulare WD 2008 Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Rag Gulch WD 2008 Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total K-TWD/RGWD '08 Misc	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 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
+ Sub-total City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
+ North Kern WSD Exchange (Category "A")	0	0	0	90	0	0	0	0	0	0	730	1958	2688
+ North Kern WSD Exchange (Category "B")	0	450	0	1229	0	0	0	0	0	0	0	0	540
+ North Kern WSD (2006 Water Exchange)	0	0	0	0	0	0	0	0	3479	1164	647	178	6697
+ North Kern WSD (2007 Water Exchange)	2379	1112	0	0	0	0	0	0	0	0	0	0	3491
+ North Kern WSD (2008 Water Exchange)	0	0	0	0	0	20	189	239	67	0	0	0	515
+ North Kern WSD Exchange (Parkway Well Program)	0	0	0	0	0	0	0	1000	0	0	1066	0	2066
+ Kern Island Instantaneous Exchange	0	613	676	774	922	893	416	922	1101	1895	949	0	9161
+ Hacienda WD Exchange	0	0	0	0	0	0	0	1188	0	0	0	0	1188
= Improvement District #4 Total Supply	2379	2175	3227	4992	5522	5513	5205	7949	4647	3059	3392	2136	50196

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

Year: 2008

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

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

Year: 2008

Quantities in acre-feet

1	2	3	4	5	6	7	8	9	10	11				13	14	15
										(h)						
(a)	(b)	(c)	(d)	(e)	Total Kern River Delivered	(f)		(g)		Mandatory Release Water	Friant- Kern Floodwater	BVWSD Kern River Exchange	BVWSD Kern River Purchase	A-EWSD Friant-Kern Exchange		
Friant- Kern Inflow	Friant- Kern Delivered	SWP Inflow	SWP Delivered	River Canal Transportation Charge on Column 2		No Change (1st 4000) acre-feet	acre-feet Sold at \$1.00	acre-feet Sold at \$6.00	acre-feet Sold at \$21.00							
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
March	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	
May	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	
July	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	
September	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	
November	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	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.722 = Current Escalator =							5.722			0					2007	
\$0.00 =										17,643					2006	
										36,017					2005	
										0					2004	
										53,660					Five Year Totals	
										10,732					Five Year Averages	
										2,723					Current Escalator	
										\$16.34					Current Price per acre-foot	
										\$175,360.88					Five Year Average Sales	
										\$175,360.88					May 31, 2009 Payment	

- 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

Quantities in acre-feet

YEAR: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rosedale Channel at Headgate	+	0	0	0	0	0	0	0	0	0	0	0	0
City for Others	-	0	0	0	0	0	0	0	0	0	0	0	0
<b>for Rosedale RBWSD</b>	=	0	0	0	0	0	0	0	0	0	0	0	0
- City Contract Water		0	0	0	0	0	0	0	0	0	0	0	0
= Other Water		0	0	0	0	0	0	0	0	0	0	0	0
via Berrenda Mesa Pipeline	+	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to Central Pioneer	+	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
via 2800 Acres to Kern Water Bank	+	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
via North Lake	+	0	0	0	0	0	0	0	0	0	0	0	0
The Park at River Walk	+	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Recharge	+	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Spreading (Gross)	+	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	0	0
Kern River Channel at 2nd Point	+	0	0	0	0	0	0	0	0	0	0	0	0
For Cawelo Water District	+	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District #4	+	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Diverted</b>	=	0	0	0	0	0	0	0	0	0	0	0	0

City of Bakersfield Basic Contract	+	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Miscellaneous	+	0	0	0	0	0	0	0	0	0	0	0	0
Hacienda WD Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista WSD Exchange	+	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
Kern River Mandatory Release	+	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Floodwater	+	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison WSD Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Supply</b>	=	0	0	0	0	0	0	0	0	0	0	0	0

## STATUS OF CONTRACT

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

Quantities in acre-feet

Year	TOTAL DELIVERED	FRIANT- KERN DELIVERED	TOTAL KERN RIVER DELIVERED	(1) KERN RIVER BASIC CONTRACT DELIVERED	KERN RIVER BASIC CONTRACT OBLIGATION	(2) CARRY FORWARD OVER (UNDER)	END of YEAR CONTRACT BALANCE (3)	
							(4)	60,000
1976	0	0	0	0	10,000	(10,000)		50,000
1977	2,199	0	2,199	2,199	10,000	(7,801)		42,199
1978	76,365	4,371	71,994	10,000	10,000	0		42,199
1979	14,568	9,921	4,647	4,647	10,000	(5,353)		36,846
1980	70,790	4,167	66,623	10,000	10,000	0		36,846
1981	773	0	773	773	10,000	(9,227)		27,619
1982	88,374	40,595	47,779	10,000	10,000	0		27,619
1983	134,534	1,440	133,094	10,000	10,000	0		27,619
1984	38,854	0	38,854	10,000	10,000	0		27,619
1985	20,694	0	20,694	0	10,000	(10,000)		17,619
1986	87,761	5,209	82,552	20,000	10,000	10,000		27,619
1987	6,000	0	6,000	0	10,000	(10,000)		17,619
1988	7,845	0	7,845	0	10,000	(10,000)		7,619
1989	4,500	0	4,500	0	10,000	(10,000)		(2,381)
1990	0	0	0	0	10,000	(10,000)		(12,381)
1991	9,076	0	9,076	9,076	10,000	(924)		(13,305)
1992	1,117	0	1,117	1,117	10,000	(8,883)		(22,188)
1993	55,710	28,820	26,890	10,000	10,000	0		(22,188)
1994	3,039	0	3,039	3,039	10,000	(6,961)		(29,149)
1995	110,777	8,470	102,307	30,000	10,000	20,000		(9,149)
1996	93,257	35,396	57,861	19,149	10,000	9,149		0
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
2002	5,135	0	5,135	3,189	10,000	(6,811)		2,054
2003	12,680	5,104	7,576	7,407	10,000	(2,593)		(539)
2004	3,342	0	3,342	3,342	10,000	(6,658)		(7,197)
2005	151,002	60,626	90,376	20,000	10,000	10,000		2,803
2006	84,699	64	84,635	10,000	10,000	0		2,803
2007	7,783	0	7,783	7,783	10,000	(2,217)		586
2008	0	0	0	0	10,000	(10,000)		(9,414)

- (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: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>City Entitlement + or - Release</b>	<b>1,305</b>	<b>1,193</b>	<b>20,870</b>	<b>20,657</b>	<b>26,378</b>	<b>21,145</b>	<b>11,663</b>	<b>2</b>	<b>0</b>	<b>833</b>	<b>1,190</b>	<b>1,230</b>	<b>106,466</b>
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern Water Storage District	0	0	0	0	0	5,000	5,000	10,000	0	0	0	0	20,000
Cawelo Water District	0	0	1,475	2,921	4,759	7,476	6,132	5,400	0	0	0	0	28,163
Kern-Tulare Water District	0	0	2,218	2,522	4,000	4,000	4,000	4,000	0	0	0	0	20,740
Rag Gulch Water District	0	0	333	377	600	600	600	600	0	0	0	0	3,110
Rosedale Rio Bravo WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigating Co.	0	0	0	0	0	0	0	0	0	0	60	222	282
Truxtun Lakes	0	44	0	0	0	0	0	0	0	0	0	0	44
The Park at River Walk	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	105	103	257	542	781	1,284	1,460	988	641	475	247	176	7,059
River Transportation Loss	32	87	(2)	485	1,474	1,896	1,403	951	0	(1)	2	1	6,328
<b>Total Basic Commitments</b>	<b>153</b>	<b>250</b>	<b>4,325</b>	<b>6,907</b>	<b>11,691</b>	<b>20,361</b>	<b>18,722</b>	<b>22,060</b>	<b>732</b>	<b>539</b>	<b>351</b>	<b>425</b>	<b>86,516</b>

<b>Total City Miscellaneous Water.....</b>	<b>19,950</b>
Rosedale Rio Bravo WSD 1/3 Share.....	6,650

Misc. Water Delivered to RRBWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Del. under Art. 11, Sec. 2.1 (f)(7)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Misc. Delivered to RRBWSD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Over (Under) City Miscellaneous Water Obligation.....	(6,650)
Prior Year Miscellaneous Water Delivery Balance.....	(16,880)
Cumulative Miscellaneous Water Delivery Balance.....	(23,530)

## STATUS OF CONTRACT

### ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

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

Quantities in acre-feet

Year	(A) TOTAL CITY MISCELLANEOUS WATER	(B) RRBWS 1/3 SHARE OF MISC.	(C) MISC. WATER DELIVERED TO RRBWS (1)	(D) OVER (UNDER) 1/3 SHARE	(E) END OF YEAR CUMULATIVE MISC. WATER BALANCE
					0
1977	0	0	0	0	0
1978	75,473	25,158	29,405	4,247	4,247
1979	34,885	11,628	0	(11,628)	(7,381)
1980	81,572	27,191	28,246	1,055	(6,326)
1981	1,634	545	0	(545)	(6,871)
1982	184,335	61,445	37,779	(23,666)	(30,537)
1983	64,686	21,562	12,292	(9,270)	(39,807)
1984	56,816	18,939	20,856	1,917	(37,890)
1985	50,537	16,846	20,694	3,848	(34,042)
1986	161,307	53,769	56,590	2,821	(31,221)
1987	0	0	6,000	6,000	(25,221)
1988	2,157	719	7,845	7,126	(18,095)
1989	3,838	1,279	4,500	3,221	(14,874)
1990	0	0	0	0	(14,874)
1991	0	0	0	0	(14,874)
1992	0	0	0	0	(14,874)
1993	49,610	16,537	16,890	353	(14,521)
1994	0	0	0	0	(14,521)
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	7,024	2,341	795	(1,546)	(9,714)
2002	12,571	4,190	1,946	(2,244)	(11,958)
2003	12,058	4,019	169	(3,850)	(15,808)
2004	2,621	874	0	(874)	(16,682)
2005	108,051	36,017	36,017	0	(16,682)
2006	53,267	17,756	17,643	(113)	(16,795)
2007	256	85	0	(85)	(16,880)
2008	19,950	6,650	0	(6,650)	(23,530)

**Notes:**

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

**KERN RIVER CANAL & IRRIGATING COMPANY**  
**CITY OF BAKERSFIELD**

Year: 2008

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	240	117	175	1,745	4,083	2,482	0	0	0	0	0	0	8,842
Release	18	0	0	0	0	0	0	0	0	0	0	0	18
<b>ENTITLEMENT + OR - RELEASE</b>	<b>258</b>	<b>117</b>	<b>175</b>	<b>1,745</b>	<b>4,083</b>	<b>2,482</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,860</b>
Oilfield Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield	0	0	0	0	0	0	0	0	0	0	60	222	282
From NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	186	72	26	617	2,017	987	0	0	0	0	0	0	3,905
From Isabella Storage	173	387	561	230	0	107	927	947	682	732	688	205	5,639
To City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
To NKWSD in Isabella Storage	72	0	0	0	0	0	0	0	0	0	0	0	72
<b>DIVERTED AT HEAD</b>	<b>173</b>	<b>432</b>	<b>710</b>	<b>1,358</b>	<b>2,066</b>	<b>1,602</b>	<b>927</b>	<b>947</b>	<b>682</b>	<b>732</b>	<b>748</b>	<b>427</b>	<b>10,804</b>
Irrigation Deliveries	65	120	318	488	454	455	586	519	314	219	216	2	3,756
North Garden Treatment Plant	82	215	257	258	305	308	253	317	298	438	447	367	3,545
NKWSD at Seventh Standard Line	0	35	54	523	1,225	744	0	0	0	0	0	0	2,581
Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Canal Loss	26	62	81	89	82	95	88	111	70	75	85	58	922
Irrigation Delivery Percentage	85%	86%	89%	93%	96%	94%	91%	88%	90%	90%	89%	86%	68%

Into Isabella Storage	186	72	26	617	2,017	987	0	0	0	0	0	0	3,905
Isabella Evaporation Loss	95	85	117	137	161	272	319	351	300	220	99	67	2,223
From Isabella Storage	173	387	561	230	0	107	927	947	682	732	688	205	5,639
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>End of Month Isabella Storage</b>	<b>8,883</b>	<b>8,483</b>	<b>7,831</b>	<b>8,081</b>	<b>9,937</b>	<b>10,545</b>	<b>9,299</b>	<b>8,001</b>	<b>7,019</b>	<b>6,067</b>	<b>5,280</b>	<b>5,008</b>	

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	153	551	64	214	274	226	14	0	0	0	52	109	1,657
Release	(153)	0	45	273	200	127	0	0	0	402	14	(109)	799
<b>Entitlement + or - Releases</b>	<b>0</b>	<b>551</b>	<b>109</b>	<b>487</b>	<b>474</b>	<b>353</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>402</b>	<b>66</b>	<b>0</b>	<b>2,456</b>
Into Isabella Storage	0	551	109	487	474	353	14	0	0	402	66	0	2,456
From Isabella Storage	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
<b>Total Deliveries</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Old South Fork	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	0	551	109	487	474	353	14	0	0	402	66	0	2,456
From Isabella Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	2,456	0	2,456
<b>End of Month Isabella Storage</b>	<b>600</b>	<b>1,151</b>	<b>1,260</b>	<b>1,747</b>	<b>2,221</b>	<b>2,574</b>	<b>2,588</b>	<b>2,588</b>	<b>2,588</b>	<b>2,990</b>	<b>600</b>	<b>600</b>	<b>600</b>

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted to California Water Service Company  
Bakersfield Water Treatment Plant

Year: 2008

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15	15	13	14	20	21	25	26	27	25	7	13
2	14	15	14	15	20	21	25	26	27	23	12	14
3	15	15	12	15	19	23	26	25	27	22	18	13
4	14	6	0	15	19	22	28	25	27	24	18	13
5	15	15	1	15	19	21	28	26	28	23	18	13
6	14	16	2	15	20	22	28	26	28	18	17	13
7	14	14	12	15	19	22	28	25	27	19	18	13
8	14	14	11	21	19	22	27	26	28	20	18	13
9	14	13	11	22	20	23	26	26	28	23	17	13
10	14	13	12	20	19	22	26	27	28	23	18	13
11	15	13	13	17	18	23	27	27	28	23	18	13
12	15	13	13	18	20	22	27	27	28	20	18	14
13	15	14	13	17	19	23	20	25	27	18	18	13
14	15	14	14	15	20	23	16	26	28	19	18	13
15	15	14	12	15	21	24	13	27	24	19	18	13
16	15	14	12	14	21	24	17	27	25	18	18	13
17	15	14	12	15	21	23	17	27	23	19	18	14
18	16	13	13	19	21	23	25	26	22	18	18	14
19	16	12	13	19	21	23	26	27	24	18	18	14
20	16	13	13	19	21	24	26	27	25	19	18	14
21	15	13	13	20	19	24	23	27	26	18	18	14
22	15	13	13	19	20	24	26	28	25	19	18	14
23	15	13	13	20	20	24	27	27	25	19	18	14
24	15	12	13	19	20	24	26	26	26	18	18	14
25	14	11	13	19	20	24	27	26	25	18	16	13
26	9	13	13	19	20	25	27	28	25	19	13	14
27	15	14	13	19	19	24	26	28	25	18	13	14
28	13	13	13	19	20	27	26	27	26	18	13	14
29	14	12	13	20	20	26	26	28	24	19	14	14
30	15	-	13	19	21	25	26	27	25	18	13	14
31	15	-	14	-	20	-	28	27	-	18	-	14
TOTAL	451	384	360	528	616	698	769	823	781	613	495	419
MAXIMUM DAY	16	16	14	22	21	27	28	28	28	25	18	14
MINIMUM DAY	9	6	0	14	18	21	13	25	22	18	7	13
MEAN	15	13	12	18	20	23	25	27	26	20	17	14
TOTAL AC. FT.	894	761	713	1,048	1,222	1,385	1,526	1,632	1,549	1,215	982	831
WHOLE YEAR:-	TOTAL,	6,937	MAX.,	28	MIN.,	0	MEAN,	19	TOTAL AC.FT.,	13,758		

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted to California Water Service Company  
Kernville Water System

Year: 2008

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	1	1	1	1	0	1	1	1	0
2	0	1	1	0	0	1	1	1	1	0	0	1
3	1	0	0	1	1	0	0	1	0	1	0	0
4	0	0	0	0	0	1	1	0	1	0	0	0
5	0	0	1	1	1	1	1	1	1	1	1	0
6	0	1	0	0	0	0	0	1	0	0	0	1
7	0	0	0	1	1	1	1	0	1	1	0	0
8	0	0	1	0	0	1	1	1	1	0	0	0
9	1	0	0	1	1	0	0	1	0	1	0	0
10	0	0	0	0	0	1	1	0	1	0	1	0
11	0	1	1	1	1	1	1	1	1	1	0	0
12	0	0	0	0	0	0	0	1	0	0	0	1
13	1	0	0	1	1	1	1	0	1	1	0	0
14	0	0	0	0	0	1	1	1	0	0	1	0
15	0	0	1	1	1	1	0	1	1	0	0	0
16	0	1	0	0	0	0	0	0	0	1	0	1
17	0	0	0	1	1	1	1	1	1	0	1	0
18	1	0	1	0	0	1	1	1	0	0	0	0
19	0	0	0	1	1	1	1	0	1	1	0	0
20	0	0	0	1	1	0	0	1	0	0	1	0
21	0	1	0	0	0	1	1	1	1	0	0	0
22	1	0	1	1	1	1	1	0	0	1	0	1
23	0	0	0	0	1	1	0	1	1	0	1	0
24	0	0	0	1	0	0	1	1	0	0	0	0
25	0	0	0	1	1	1	1	0	1	1	0	0
26	1	1	1	0	1	1	0	1	0	0	1	0
27	0	0	0	1	0	1	1	1	1	0	0	1
28	0	0	0	0	1	0	1	0	0	1	0	0
29	0	0	0	1	1	1	0	1	1	0	0	0
30	0	-	1	0	0	1	1	1	0	0	1	0
31	1	-	0	-	1	-	1	0	-	1	-	1
TOTAL	7	6	9	16	18	22	21	20	17	13	9	7
MAXIMUM DAY	1	1	1	1	1	1	1	1	1	1	1	1
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	1	1	1	1	1	0	0
TOTAL AC. FT.	15	13	19	32	36	43	41	41	35	26	17	13
WHOLE YEAR:-	TOTAL,	165	MAX.,	1	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	331		



City of Bakersfield Diverted to Ocese Water District  
(Pursuant to Agreement No. 99-05 W.B. dated June 30, 1999) Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	1	0	1	1	2	2	2	2	1	0	0
2	0	0	1	1	2	2	2	2	2	1	1	0
3	0	0	0	1	1	2	2	2	2	1	0	0
4	0	0	1	2	2	2	2	2	2	2	0	0
5	0	0	1	1	2	2	2	3	2	1	1	1
6	0	1	0	1	1	2	2	2	2	1	0	0
7	1	0	1	1	2	2	2	2	2	1	0	1
8	0	1	1	2	1	2	2	2	2	1	1	0
9	0	0	0	1	2	3	2	2	2	1	0	1
10	0	1	1	1	2	2	2	2	1	2	1	0
11	0	0	1	1	1	2	2	2	2	1	0	0
12	0	1	1	2	2	2	2	2	2	1	1	0
13	0	0	0	1	1	2	1	2	2	1	0	0
14	1	0	1	1	2	2	0	3	1	1	0	0
15	0	1	1	1	1	2	0	2	2	1	1	0
16	0	0	1	2	1	2	2	2	2	2	0	0
17	0	0	0	1	2	2	2	2	2	1	0	0
18	0	1	1	1	2	3	2	2	1	1	1	0
19	0	0	1	2	2	2	2	2	2	1	0	0
20	0	0	1	1	2	2	2	2	2	1	0	0
21	1	0	0	1	1	2	2	2	2	2	1	0
22	0	0	1	1	2	2	2	2	1	1	0	0
23	0	0	1	2	2	2	2	2	2	1	0	0
24	0	1	1	1	2	2	2	2	2	1	1	0
25	0	0	1	1	1	2	2	3	2	1	0	0
26	1	0	1	1	2	2	2	2	1	1	0	0
27	0	1	1	2	2	2	2	2	2	2	0	0
28	0	0	1	1	2	3	2	2	2	1	0	0
29	1	1	1	1	2	2	2	2	2	1	0	1
30	0	-	1	2	2	2	2	2	1	1	0	0
31	0	-	1	-	2	-	2	2	-	1	-	0
TOTAL	5	10	24	38	52	63	57	65	54	36	9	4
MAXIMUM DAY	1	1	1	2	2	3	2	3	2	2	1	1
MINIMUM DAY	0	0	0	1	1	2	0	2	1	1	0	0
MEAN	0	0	1	1	2	2	2	2	2	1	0	0
TOTAL AC. FT.	9	19	48	75	104	125	113	129	107	71	18	7
WHOLE YEAR:-	TOTAL,	417	MAX.,	3	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	825		



Year: 2008

Total Flow via the Arvin-Edison Turnout

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	9	99	77	0	0	0	0
2	0	0	0	0	0	40	103	62	0	0	0	0
3	0	0	0	0	0	74	102	27	0	0	0	0
4	0	0	0	0	0	105	103	111	0	0	0	0
5	0	0	0	0	0	85	91	94	0	0	0	0
6	0	0	0	0	0	0	50	43	0	0	0	0
7	0	0	0	0	0	0	99	0	0	0	0	0
8	0	0	0	0	0	0	97	0	0	0	0	0
9	0	0	0	0	0	0	96	0	0	0	0	0
10	0	0	0	0	0	0	100	33	0	0	0	0
11	0	0	0	0	0	0	106	67	0	0	0	0
12	0	0	0	0	0	0	94	52	0	0	0	0
13	0	0	0	0	0	0	35	17	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	19	0	0	0	0
17	0	0	0	0	0	0	0	71	0	0	0	0
18	0	0	0	0	0	0	16	126	0	0	0	0
19	0	0	0	0	0	0	47	160	0	0	0	0
20	0	0	0	0	0	0	19	135	0	0	0	0
21	0	0	0	0	0	0	96	34	0	0	0	0
22	0	0	0	0	0	0	134	0	0	0	0	0
23	0	0	0	0	0	0	119	0	0	0	0	0
24	0	0	0	0	0	0	52	0	0	0	0	0
25	0	0	0	0	0	27	0	0	0	0	0	0
26	0	0	0	0	0	100	0	0	0	0	0	0
27	0	0	0	0	0	100	0	0	0	0	0	0
28	0	0	0	0	0	82	0	0	0	0	0	0
29	0	0	0	0	0	64	0	0	0	0	0	0
30	0	0	0	0	0	104	0	0	0	0	0	0
31	0	0	0	0	0	0	21	0	0	0	0	0
TOTAL	0	0	0	0	0	790	1,679	1,128	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	105	134	160	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	26	54	36	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	1,567	3,330	2,237	0	0	0	0
WHOLE YEAR:-	TOTAL,	3,597	MAX.,	160	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,134		

Total Water Spread in City of Bakersfield's 2800 Acre Recharge Facility  
(All Sources, All Entities)      Year: 2008

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

Cross Valley Canal - Turnout #1 to Kern River Channel  
(As reported by Kern County Water Agency) Year: 2008

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	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



Year: 2008

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

DISCHARGE IN CUBIC FEET PER SECOND

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





# NORTH KERN WATER STORAGE DISTRICT



Beardsley Canal  
at Head of Lined Section



**NORTH KERN WATER STORAGE DISTRICT**

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	2,126	7,379	2,481	12,662	28,565	15,926	562	0	0	0	67	48	69,816
Release	6,429	52	0	0	0	0	0	0	0	534	11,248	12,712	30,975
<b>ENTITLEMENT + OR - RELEASE</b>	<b>8,555</b>	<b>7,431</b>	<b>2,481</b>	<b>12,662</b>	<b>28,565</b>	<b>15,926</b>	<b>562</b>	<b>0</b>	<b>0</b>	<b>534</b>	<b>11,315</b>	<b>12,760</b>	<b>100,791</b>
From KRC & Irr Company	72	35	54	523	1,225	744	0	0	0	0	0	0	2,653
From City of Bakersfield	0	0	0	0	0	5,000	10,000	0	0	0	0	0	20,000
From Isabella Reservoir Storage	573	3,095	10,259	3,207	300	1,765	11,195	8,103	11,025	5,156	411	178	55,267
From Improvement District No 4	0	0	0	0	559	0	0	0	0	0	0	0	559
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
From Kern Delta WD	160	0	0	0	0	0	0	0	0	0	0	0	160
To City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
To Improvement District #4	2,379	1,562	0	1,319	0	20	189	1,239	3,546	1,164	2,443	2,136	15,997
To Cawelo WD	0	115	0	0	0	0	0	0	1,361	581	260	0	2,317
To Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Reservoir Storage	5,393	1,710	0	4,948	18,318	11,354	4,522	9,883	0	107	3,425	7,236	66,896
Other	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>TOTAL DIVERTED FROM RIVER</b>	<b>1,588</b>	<b>7,174</b>	<b>12,794</b>	<b>10,125</b>	<b>12,331</b>	<b>12,061</b>	<b>12,046</b>	<b>6,981</b>	<b>6,118</b>	<b>3,838</b>	<b>5,598</b>	<b>3,570</b>	<b>94,224</b>
Loss to Seventh Standard Line	76	98	70	60	62	60	61	61	60	64	106	125	903
NKWSD Deep Well Production	0	0	0	8,197	14,414	15,933	16,609	14,521	11,701	11,256	994	0	93,625
Non-District Deep Well Production	0	0	0	0	0	835	1,224	1,061	561	581	260	0	4,522
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
Friant-Kern Inflow to 8-1-0 Lateral	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
Semiotropic WSD via Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Conduit "A" Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL DISTRICT SUPPLY</b>	<b>1,512</b>	<b>7,076</b>	<b>12,724</b>	<b>18,262</b>	<b>26,683</b>	<b>28,769</b>	<b>29,818</b>	<b>22,502</b>	<b>18,320</b>	<b>15,611</b>	<b>6,746</b>	<b>3,445</b>	<b>191,468</b>
Class 1 Irrigation Deliveries	220	3,293	5,972	8,366	13,475	15,445	16,325	12,252	7,492	6,619	2,162	1,357	92,978
Class 2 Irrigation Deliveries	379	2,367	3,674	6,423	9,126	9,287	9,296	5,746	4,736	3,935	1,759	282	57,010
Semiotropic WSD Irrigation Deliveries	0	0	0	0	0	0	40	1,244	2,529	1,599	0	0	5,412
Shafter-Wasco ID Irrigation Deliveries	0	0	115	689	1,222	0	0	0	0	593	210	0	2,829
Kern-Tulare WD Irrigation Deliveries	0	0	0	0	0	0	0	0	0	361	0	0	361
Friant-Kern Canal Pump-In Deliveries	0	0	0	0	0	1,078	1,232	845	903	895	61	0	5,014
<b>TOTAL IRRIGATION USE</b>	<b>599</b>	<b>5,660</b>	<b>9,761</b>	<b>15,478</b>	<b>23,823</b>	<b>25,810</b>	<b>26,893</b>	<b>20,087</b>	<b>15,660</b>	<b>14,002</b>	<b>4,192</b>	<b>1,639</b>	<b>163,604</b>
District Spreading Ponds (Kern)	0	0	0	0	0	0	0	0	0	0	1,480	904	2,384
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	103	0	103
Poso Creek Spreading (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL DISTRICT SPREADING</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,583</b>	<b>904</b>	<b>2,487</b>
<b>TOTAL DISTRICT USE</b>	<b>599</b>	<b>5,660</b>	<b>9,761</b>	<b>15,478</b>	<b>23,823</b>	<b>25,810</b>	<b>26,893</b>	<b>20,087</b>	<b>15,660</b>	<b>14,002</b>	<b>5,775</b>	<b>2,543</b>	<b>166,091</b>
Total NKWSD Canal Loss	913	1,416	2,963	2,794	2,860	2,959	2,925	2,415	2,660	1,609	971	902	25,377
Into Reservoir Storage	5,393	1,710	0	4,948	18,318	11,354	4,522	9,883	0	107	3,425	7,236	66,896
Reservoir Evaporation Loss	403	381	472	470	674	1,439	1,691	2,084	1,558	1,004	510	403	11,089
From Reservoir Storage	573	3,095	10,259	3,207	300	1,765	11,195	8,103	11,025	5,156	411	178	55,267
<b>END OF MONTH RESERVOIR STORAGE</b>	<b>40,575</b>	<b>38,809</b>	<b>28,078</b>	<b>29,349</b>	<b>46,693</b>	<b>54,843</b>	<b>46,479</b>	<b>46,175</b>	<b>33,592</b>	<b>27,539</b>	<b>30,043</b>	<b>36,698</b>	

Year: 2008

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	87	188	237	232	212	459	202	235	105	91	92
2	0	56	223	240	123	305	487	179	284	99	118	49
3	0	202	296	233	85	370	468	217	316	118	195	37
4	0	179	326	196	147	339	418	262	280	104	204	32
5	0	57	327	213	307	298	313	277	259	128	157	32
6	0	69	331	272	334	284	377	190	202	118	103	34
7	0	109	306	315	343	197	395	205	226	123	65	56
8	0	129	199	376	271	268	422	246	291	154	55	160
9	0	87	129	424	145	396	467	255	236	181	96	154
10	0	93	136	457	116	457	471	230	170	180	156	162
11	0	116	157	362	204	386	369	284	129	142	171	158
12	0	125	187	202	325	309	244	321	145	113	156	121
13	0	143	190	146	339	237	289	304	212	117	160	46
14	0	145	196	127	330	173	411	277	283	146	160	50
15	51	143	192	88	358	306	439	206	305	111	152	64
16	53	146	186	108	275	449	396	157	282	104	159	55
17	53	145	190	131	139	434	324	227	204	94	168	54
18	50	155	226	219	314	428	241	358	162	107	79	49
19	50	188	198	308	457	374	211	367	130	100	67	43
20	55	209	192	342	444	338	289	232	143	91	63	41
21	53	173	196	277	408	227	325	177	172	82	49	45
22	51	136	192	189	400	307	348	135	177	74	45	43
23	57	134	225	185	364	487	344	141	122	78	47	40
24	58	135	285	147	226	462	332	220	97	79	70	43
25	48	130	351	107	258	404	238	253	97	95	85	51
26	30	132	364	121	362	380	215	274	94	94	113	59
27	33	138	354	184	395	352	290	260	97	94	123	57
28	48	145	328	218	384	283	382	210	107	91	110	51
29	59	169	307	281	379	365	409	225	125	98	112	45
30	71	-	293	274	338	428	373	201	116	119	97	43
31	68	-	238	-	211	-	321	191	-	83	-	49
TOTAL	888	3,875	7,518	6,979	9,013	10,255	11,067	7,283	5,698	3,422	3,426	2,015
MAXIMUM DAY	71	209	364	457	457	487	487	367	316	181	204	162
MINIMUM DAY	0	56	129	88	85	173	211	135	94	74	45	32
MEAN	29	134	243	233	291	342	357	235	190	110	114	65
TOTAL AC. FT.	1,761	7,686	14,912	13,842	17,877	20,340	21,951	14,446	11,302	6,787	6,795	3,997
WHOLE YEAR:-	TOTAL,	71,439	MAX.,	487	MIN.,	0	MEAN,	195	TOTAL AC.FT.,	141,696		

Total Diverted via  
Cross Valley Canal Conduit "A"  
Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

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

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

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	1,761	7,686	14,912	13,842	17,877	20,340	21,951	14,446	11,302	6,787	6,795	3,997	141,696
C.V.C Conduit "A"	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>+ TOTAL BEARDSLEY CANAL SUPPLY</b>	<b>1,761</b>	<b>7,686</b>	<b>14,912</b>	<b>13,842</b>	<b>17,877</b>	<b>20,340</b>	<b>21,951</b>	<b>14,446</b>	<b>11,302</b>	<b>6,787</b>	<b>6,795</b>	<b>3,997</b>	<b>141,696</b>
ID4 via C.V.C. Conduit "A" (Reverse Flow)	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
- Improvement District No. 4 Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Supply	0	0	0	0	0	0	0	0	0	0	0	0	0
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	105	234	357	398	402	449	357	675	327	492	589	367	4,752
KRC & Irr. Co. # 5 Lateral	0	24	52	39	12	0	50	20	73	0	32	0	302
KRC & Irr. Co. Bidart Boosters	42	81	186	292	281	341	299	191	222	179	67	2	2,183
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	26	58	61	60	61	60	61	61	60	61	60	58	687
<b>- TOTAL KRC &amp; IRR. CO. DIVERTED</b>	<b>173</b>	<b>397</b>	<b>656</b>	<b>789</b>	<b>756</b>	<b>850</b>	<b>767</b>	<b>947</b>	<b>682</b>	<b>732</b>	<b>748</b>	<b>427</b>	<b>7,924</b>
Kern River Supply	173	397	656	789	756	850	767	947	682	732	748	427	7,924
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"	0	0	1,008	2,322	4,119	6,343	7,478	5,090	3,951	1,801	409	0	32,521
Cawelo WD Lerdo Turnout Deliveries	0	95	386	468	476	933	1,338	1,241	443	336	22	0	5,738
Via North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	0	18	52	60	60	60	61	61	60	58	14	0	504
Lerdo Canal Loss	0	2	16	32	50	85	101	79	48	22	4	0	439
<b>- TOTAL CAWELO WD DIVERTED</b>	<b>0</b>	<b>115</b>	<b>1,462</b>	<b>2,882</b>	<b>4,705</b>	<b>7,421</b>	<b>8,978</b>	<b>6,471</b>	<b>4,502</b>	<b>2,217</b>	<b>449</b>	<b>0</b>	<b>39,202</b>
Kern River Supply	0	115	1,462	2,882	4,705	7,421	8,978	6,471	4,502	2,217	449	0	39,202
C.V.C. Conduit "A" Supply	0	0	0	0	0	0	0	0	0	0	0	0	0
- Rosedale Ranch ID Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Supply	0	0	0	0	0	0	0	0	0	0	0	0	0
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	46	85	8	160	47	0	0	0	0	346
- Kern-Tulare WD/Rag Gulch WD Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
- Lined Section Loss: NKWSD	76	98	70	60	62	60	61	61	60	64	106	125	903
<b>= NKWSD FROM LERDO CANAL</b>	<b>1,512</b>	<b>7,076</b>	<b>12,724</b>	<b>10,065</b>	<b>12,269</b>	<b>12,001</b>	<b>11,985</b>	<b>6,920</b>	<b>6,058</b>	<b>3,774</b>	<b>5,492</b>	<b>3,445</b>	<b>93,321</b>
Kern River Supply	1,588	7,174	12,794	10,125	12,331	12,061	12,046	6,981	6,118	3,838	5,598	3,570	94,224
C.V.C Conduit "A" Supply	0	0	0	0	0	0	0	0	0	0	0	0	0

Year: 2008

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	76	181	220	216	203	445	184	222	89	83	81
2	0	49	216	226	106	290	473	158	268	83	109	38
3	0	195	285	219	76	351	454	197	297	103	175	26
4	0	170	313	184	140	323	405	244	264	97	185	21
5	0	46	313	202	293	279	299	258	238	117	140	21
6	0	58	316	264	322	264	363	172	189	103	82	23
7	0	100	294	303	330	178	382	194	219	108	49	45
8	0	122	192	356	260	256	408	238	277	138	40	149
9	0	79	122	404	130	376	450	246	224	166	80	143
10	0	86	124	438	103	440	453	221	156	164	130	151
11	0	108	143	350	196	371	354	274	118	132	149	147
12	0	118	188	188	305	292	225	309	131	103	130	110
13	0	137	179	136	320	219	274	294	205	101	138	35
14	0	135	179	109	308	155	402	260	276	129	140	40
15	48	134	174	74	339	288	433	189	287	97	137	53
16	46	139	175	90	256	427	382	141	268	92	148	44
17	49	138	180	113	123	416	310	210	190	80	151	46
18	47	145	216	200	295	411	230	334	145	97	68	41
19	46	177	187	296	438	356	199	342	117	90	51	36
20	52	200	179	328	427	321	276	210	136	75	52	34
21	50	164	186	259	389	212	315	152	163	69	38	37
22	41	129	184	171	387	292	335	117	165	56	34	36
23	45	127	217	167	350	473	327	120	108	64	36	33
24	50	128	263	130	216	448	315	205	81	61	59	40
25	41	123	333	87	250	389	221	228	82	82	74	48
26	23	125	346	109	349	365	198	248	80	84	107	52
27	27	126	335	168	382	337	278	240	84	82	112	49
28	41	127	310	205	371	269	366	189	96	81	99	44
29	44	156	294	265	367	351	389	207	109	82	104	36
30	60	-	281	260	327	414	355	185	99	103	89	35
31	53	-	220	-	199	-	302	178	-	63	-	42
TOTAL	763	3,617	7,125	6,521	8,570	9,766	10,618	6,744	5,294	2,991	2,989	1,736
MAXIMUM DAY	60	200	346	438	438	473	473	342	297	166	185	151
MINIMUM DAY	0	46	122	74	76	155	198	117	80	56	34	21
MEAN	25	125	230	217	276	326	343	218	176	96	100	56
TOTAL AC. FT.	1,512	7,173	14,134	12,933	16,999	19,370	21,062	13,377	10,500	5,933	5,927	3,445
WHOLE YEAR:-	TOTAL,	66,734	MAX.,	473	MIN.,	0	MEAN,	182	TOTAL AC.FT.,	132,365		

## NORTH KERN WATER STORAGE DISTRICT LERDO CANAL OPERATIONS

Quantities in acre-feet

Year: 2008

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>Total Beardsley Canal Supply</b>	<b>1,761</b>	<b>7,686</b>	<b>14,912</b>	<b>13,842</b>	<b>17,877</b>	<b>20,340</b>	<b>21,951</b>	<b>14,446</b>	<b>11,302</b>	<b>6,787</b>	<b>6,795</b>	<b>3,997</b>	<b>141,696</b>
+ C.V.C. Conduit "A" Reverse Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Lined Section Loss: ID4	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>= ID4 from Beardsley</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
+ KRC & Irr. Co. Laterals	105	258	409	437	414	449	407	695	400	492	621	367	5,054
+ KRC & Irr. Co. Boosters	42	81	186	292	281	341	299	191	222	179	67	2	2,183
+ Lined Section Loss: KRC & Irr Co.	26	58	61	60	61	60	61	61	60	61	60	58	687
<b>= KRC &amp; Irr. Co. from Beardsley</b>	<b>173</b>	<b>397</b>	<b>656</b>	<b>789</b>	<b>756</b>	<b>850</b>	<b>767</b>	<b>947</b>	<b>682</b>	<b>732</b>	<b>748</b>	<b>427</b>	<b>7,924</b>
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	0	18	52	60	60	60	61	61	60	58	14	0	504
Lined Section Loss: NKWSD	76	98	70	60	62	60	61	61	60	64	106	125	903
<b>Lerdo Canal Total Flow</b>	<b>1,512</b>	<b>7,173</b>	<b>14,134</b>	<b>12,933</b>	<b>16,999</b>	<b>19,370</b>	<b>21,062</b>	<b>13,377</b>	<b>10,500</b>	<b>5,933</b>	<b>5,927</b>	<b>3,445</b>	<b>132,365</b>
KRC & Irr. Co. via 8-1-0	0	0	0	46	85	8	160	47	0	0	0	0	346
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	0	0	0	0	0	0	0	0
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	44	16	52	190	169	210	198	207	69	0	1,155
+ Cawelo WD Via NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD Delivered at Sta. "B"	0	0	1,008	2,322	4,119	6,343	7,478	5,090	3,951	1,801	409	0	32,521
+ Cawelo WD Lerdo Turnouts	0	95	430	484	528	1,123	1,507	1,451	641	543	91	0	6,893
+ Lerdo Loss: to Station "B"	0	0	10	23	41	64	75	51	40	18	4	0	326
+ Lerdo Loss: Lerdo Turnout Deliveries	0	2	6	9	9	21	26	28	8	4	0	0	113
<b>= Cawelo WD Total from Lerdo</b>	<b>0</b>	<b>97</b>	<b>1,454</b>	<b>2,838</b>	<b>4,697</b>	<b>7,551</b>	<b>9,086</b>	<b>6,620</b>	<b>4,640</b>	<b>2,366</b>	<b>504</b>	<b>0</b>	<b>39,853</b>
<b>North Kern WSD from Lerdo</b>	<b>1,512</b>	<b>7,076</b>	<b>12,724</b>	<b>10,065</b>	<b>12,269</b>	<b>12,001</b>	<b>11,985</b>	<b>6,920</b>	<b>6,058</b>	<b>3,774</b>	<b>5,492</b>	<b>3,445</b>	<b>93,321</b>



Year: 2008

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	27	24	27	39	47	49	56	53	54	42	30	22
2	27	27	30	45	50	55	57	55	46	43	46	22
3	34	22	41	41	48	59	53	49	52	45	39	22
4	34	21	43	39	47	50	50	53	49	42	29	26
5	22	27	45	43	48	51	48	64	52	37	30	26
6	25	20	45	40	49	49	48	58	53	44	31	20
7	28	23	40	41	54	49	49	58	54	42	35	24
8	22	26	38	37	48	54	52	60	54	43	32	28
9	21	23	37	40	52	53	58	57	53	35	32	21
10	23	26	40	33	49	54	50	56	48	37	29	20
11	24	25	33	38	51	45	51	57	51	34	33	26
12	26	29	35	49	46	48	49	55	51	41	30	24
13	27	31	35	53	43	50	54	58	44	36	29	22
14	23	32	38	50	56	54	17	59	45	44	31	22
15	29	31	36	44	54	48	0	60	56	35	33	23
16	20	25	27	43	52	54	0	56	46	46	32	24
17	23	32	38	53	55	47	0	50	52	35	33	20
18	24	28	44	46	53	54	0	56	51	41	33	22
19	24	26	45	40	55	57	0	53	44	45	35	23
20	19	29	41	42	51	51	0	50	45	44	28	22
21	26	22	40	39	49	59	0	47	44	43	27	18
22	21	23	43	47	48	56	0	58	44	45	31	17
23	19	24	40	48	43	57	0	50	46	43	29	19
24	19	25	46	42	43	57	0	49	47	43	21	20
25	23	31	42	48	32	55	0	54	45	44	24	23
26	19	27	42	44	37	49	0	53	43	41	23	19
27	29	27	45	56	44	51	0	54	48	44	21	17
28	26	36	39	52	47	52	0	51	47	44	23	19
29	21	33	51	46	48	51	48	52	47	33	25	19
30	26	-	41	44	51	54	56	51	41	37	18	15
31	23	-	44	-	46	-	55	54	-	42	-	20
TOTAL	754	775	1,231	1,322	1,496	1,572	851	1,690	1,452	1,270	892	665
MAXIMUM DAY	34	36	51	56	56	59	58	64	56	46	46	28
MINIMUM DAY	19	20	27	33	32	45	0	47	41	33	18	15
MEAN	24	27	40	44	48	52	27	55	48	41	30	21
TOTAL AC. FT.	1,496	1,537	2,442	2,622	2,967	3,118	1,688	3,352	2,880	2,519	1,769	1,319
WHOLE YEAR:-	TOTAL,	13,970	MAX.,	64	MIN.,	0	MEAN,	38	TOTAL AC.FT.,	27,709		



Year: 2008

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	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

ROSEDALE RANCH IMPROVEMENT DISTRICT

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>TOTAL DIVERTED</b>	<b>+</b>	0	0	0	0	0	0	0	0	0	0	0	0
RRID at Headgate	-	0	0	0	0	0	0	0	0	0	0	0	0
RRID via NKWSD 5-7 Lateral	-	0	0	0	0	0	0	0	0	0	0	0	0
RRID via NKWSD 5-21 Lateral	-	0	0	0	0	0	0	0	0	0	0	0	0
Upstream Diversion Loss	=	0	0	0	0	0	0	0	0	0	0	0	0
<b>IRRIGATION DELIVERIES</b>													
City of Bakersfield Miscellaneous	+	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Kern River Exchange	-	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0
Mandatory Release	=	0	0	0	0	0	0	0	0	0	0	0	0
<b>LOSS &amp; SPREADING</b>													
City of Bakersfield Miscellaneous	+	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Kern River Exchange	-	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0
Mandatory Release	=	0	0	0	0	0	0	0	0	0	0	0	0
<b>RECHARGE PURCHASE PROGRAM</b>													
City of Bakersfield Miscellaneous	+	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0
	=	0	0	0	0	0	0	0	0	0	0	0	0
<b>NKWSD/RRID EXCHANGE STATUS</b>													
RRID to NKWSD	+	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD to RRID	-	0	0	0	0	0	0	0	0	0	0	0	0
Exchange Balance	=	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)	(6,426)

North Kern Water Storage District  
Class 1 Irrigation Deliveries

Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	11	67	115	274	112	311	247	192	132	58	8
2	0	21	43	118	222	205	385	229	158	123	11	5
3	0	10	137	114	206	298	345	150	172	116	38	2
4	0	12	124	88	60	294	223	244	145	61	64	2
5	0	35	166	51	199	280	301	270	158	11	67	2
6	0	58	137	23	243	214	139	295	198	49	103	16
7	0	74	122	136	255	260	297	242	92	88	85	10
8	0	46	66	209	176	132	310	238	161	112	83	33
9	0	44	10	165	134	260	340	199	140	184	23	34
10	0	22	60	166	171	316	303	100	137	171	32	53
11	0	50	68	126	55	273	360	245	140	109	26	44
12	0	59	90	89	201	225	195	271	160	65	28	38
13	0	84	95	23	277	251	140	210	132	121	30	23
14	0	101	114	87	304	293	308	171	43	156	25	23
15	0	72	51	129	260	137	353	200	103	106	2	53
16	0	50	20	152	252	317	297	198	122	108	0	46
17	3	38	61	142	255	227	202	132	118	142	24	54
18	4	82	63	134	85	300	185	272	137	207	12	41
19	2	66	88	314	292	300	286	203	144	29	38	34
20	2	75	194	277	302	274	154	177	110	106	74	23
21	4	78	143	304	254	215	296	211	18	108	73	9
22	4	73	122	104	222	151	256	145	123	106	44	21
23	12	34	12	125	276	371	220	222	119	127	21	21
24	14	25	114	139	259	328	258	127	152	110	52	10
25	0	52	127	115	78	319	268	196	108	74	30	0
26	0	56	159	103	293	215	262	151	101	23	20	9
27	0	115	167	64	225	338	163	173	73	126	0	8
28	17	126	173	219	235	361	277	205	28	142	11	7
29	12	91	109	169	287	152	293	200	138	129	7	13
30	17	-	31	218	259	379	268	168	155	114	9	22
31	20	-	78	-	183	-	236	86	-	82	-	20
TOTAL	111	1,660	3,011	4,218	6,794	7,787	8,231	6,177	3,777	3,337	1,090	684
MAXIMUM DAY	20	126	194	314	304	379	385	295	198	207	103	54
MINIMUM DAY	0	10	10	23	55	112	139	86	18	11	0	0
MEAN	4	57	97	141	219	260	266	199	126	108	36	22
TOTAL AC. FT.	220	3,293	5,972	8,366	13,475	15,445	16,325	12,252	7,492	6,619	2,162	1,357
WHOLE YEAR:-	TOTAL,	46,877	MAX.,	385	MIN.,	0	MEAN,	128	TOTAL AC.FT.,	92,978		

North Kern Water Storage District  
 Class 2 Irrigation Deliveries  
 Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	13	22	77	114	69	178	125	97	55	61	12
2	0	13	36	80	146	149	162	111	103	122	19	5
3	0	11	55	64	107	178	198	74	104	114	35	5
4	0	15	59	61	43	194	161	117	118	69	37	1
5	0	37	68	32	139	176	168	112	109	10	50	7
6	0	33	87	28	169	159	84	83	70	54	59	7
7	0	25	117	114	136	172	193	80	50	23	56	2
8	0	35	107	124	156	59	191	99	135	16	8	7
9	0	25	47	194	128	161	193	99	106	33	0	7
10	0	21	72	175	156	184	174	100	91	109	54	7
11	0	23	60	138	70	189	170	123	95	51	56	10
12	0	14	72	42	189	180	158	130	104	10	46	10
13	0	30	67	33	174	189	97	135	90	30	22	4
14	0	27	41	95	146	183	221	107	39	24	22	0
15	0	34	28	97	213	78	206	90	83	77	15	7
16	0	35	29	139	189	191	158	97	105	76	8	4
17	6	29	59	119	189	175	125	31	98	55	52	4
18	11	69	52	91	69	165	184	97	83	20	39	4
19	11	46	49	151	159	176	183	92	81	4	44	4
20	12	57	64	162	138	180	97	114	47	43	33	4
21	10	63	45	201	171	140	133	54	30	44	41	0
22	9	55	16	80	190	66	136	95	82	98	22	13
23	10	47	3	104	194	180	146	80	70	139	15	13
24	11	32	77	94	118	205	144	43	62	140	36	0
25	11	67	80	104	56	184	124	70	62	82	32	0
26	20	62	130	81	165	148	102	115	62	30	11	0
27	11	72	103	41	210	137	93	103	73	87	0	1
28	10	73	85	170	203	161	100	90	25	101	8	1
29	15	130	53	165	156	93	132	90	73	72	3	2
30	27	-	12	182	156	161	156	98	41	115	3	1
31	17	-	57	-	152	-	120	43	-	81	-	0
TOTAL	191	1,193	1,852	3,238	4,601	4,682	4,687	2,897	2,388	1,984	887	142
MAXIMUM DAY	27	130	130	201	213	205	221	135	135	140	61	13
MINIMUM DAY	0	11	3	28	43	59	84	31	25	4	0	0
MEAN	6	41	60	108	148	156	151	93	80	64	30	5
TOTAL AC. FT.	379	2,367	3,674	6,423	9,126	9,287	9,296	5,746	4,736	3,935	1,759	282
WHOLE YEAR:-	TOTAL,	28,742	MAX.,	221	MIN.,	0	MEAN,	79	TOTAL AC.F.T.,	57,010		

Year: 2008

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: 2008**

As Reported by North Kern Water Storage District

Quantities in acre-feet

Prior Year Status	NICKEL LLC		CAWELO WD		IMPROVEMENT DISTRICT NO.4		KERN-TULARE WD		RAG GULCH WD		ROSEDALE RANCH ID		SUN WORLD		PARAMOUNT FARMING CO.		SEMITROPIC WSD		SHAFTER-WASCO ID		WEST KERN WD		WESTLANDS WD		POSO LLC		DELANO-EARLMART ID	
	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from
	0	8,393	0	1,710	0	57,701	0	18,589	0	7,287	6,426	0	0	3,989	0	43,404	0	8,078	0	25,063	0	21,500	0	9,000	0	8,262	0	20,104
January	0	0	0	2,405	0	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	115	0	1,566	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	1,319	0	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	559	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	0	34	0	1,078	1,078	0	0	0	0	0	0	0	0	0	0	250	0	250	250	0	0	1,078	0	0	0	250
July	0	0	0	206	0	1,232	1,232	0	0	0	0	0	0	0	0	0	0	62	0	40	62	0	0	1,232	0	0	0	0
August	1,263	0	0	1,165	0	845	845	0	0	0	0	0	0	0	0	0	0	1,761	1,263	857	857	0	0	845	0	0	0	0
September	2,775	0	1,361	561	3,546	0	903	903	0	0	0	0	0	0	0	561	0	2,775	2,775	1,391	1,364	0	0	903	0	0	0	0
October	2,426	0	581	581	1,164	0	1,256	1,256	0	0	0	0	0	0	0	581	0	1,816	2,426	954	795	0	0	1,256	0	0	0	0
November	817	0	260	260	2,350	817	271	271	0	0	0	0	0	0	260	0	0	0	210	210	210	0	0	271	0	0	0	0
December	1,069	0	0	9,021	1,069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	8,350	0	2,317	1,402	22,776	2,445	5,585	5,585	0	0	6,426	0	0	3,989	0	1,402	0	6,464	6,464	5,728	3,528	0	0	5,585	0	8,262	0	250

Current Status	0	43	0	795	0	37,370	0	18,589	0	7,287	6,426	0	0	3,989	0	42,002	0	8,078	0	22,863	0	21,500	0	3,415	0	0 <th>0 <th>20,354</th> </th>	0 <th>20,354</th>	20,354
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Notes: 1) Includes Isabella Reservoir evaporation loss attributable to exchange supply held within North Kern WSD Isabella Reservoir storage when applicable  
 2) Reflects 90% of gross water delivered as per Section 2 "Delivery of WWD Water to NKWSD" of the December 5, 2006 Agreement for Water Exchange by and between North Kern Water Storage District and Westlands Water District  
 3) Denotes assignment of Friant-Kern water spread in North Kern WSD to the Semitropic Water Storage District water bank for subsequent recovery on behalf of Poso LLC as per terms of SWSD letter agreement dated December 21, 2006



# NORTH KERN WATER STORAGE DISTRICT

## IMPROVEMENT DISTRICT NO. 4 WATER EXCHANGE RECAPITULATION

Quantities in acre-feet

Year: 2008

	CATEGORY "A"		CATEGORY "B"		2006 "HACIENDA" EXCHANGE		2007 EXCHANGE		2008 EXCHANGE		PARKWAY WELL EXCHANGE		EXCHANGE TOTALS	
	to 1)	from	to	from	to 1)	from	to 1)	from	to 1)	from	to 2)	from	to	from
	Prior Year Status 3)													
	0	27,229	0	540	0	26,411	0	3,521	0	0	0	0	0	57,701
January	0	0	0	0	0	0	2,405	0	0	0	0	0	2,405	0
February	0	0	450	0	0	0	1,116	0	0	0	0	0	1,566	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	90	0	1,229	0	0	0	0	0	0	0	1,319	0
May	0	0	0	0	0	0	0	0	0	559	0	0	0	559
June	0	0	0	0	0	0	0	0	34	0	0	0	34	0
July	0	0	0	0	0	0	0	0	206	0	0	0	206	0
August	0	0	0	0	0	0	0	0	252	0	913	0	1,165	0
September	0	0	0	0	3,479	0	0	0	67	0	0	0	3,546	0
October	0	0	0	0	1,164	0	0	0	0	0	0	0	1,164	0
November	730	0	0	0	647	0	0	0	0	0	973	817	2,350	817
December	8,123	0	0	0	898	0	0	0	0	0	0	1,069	9,021	1,069
<b>Total</b>	<b>8,853</b>	<b>0</b>	<b>540</b>	<b>0</b>	<b>7,417</b>	<b>0</b>	<b>3,521</b>	<b>0</b>	<b>559</b>	<b>559</b>	<b>1,886</b>	<b>1,886</b>	<b>22,776</b>	<b>2,445</b>
 <i>Current Status</i>	 0	 18,376	 0	 0	 0	 18,994	 0	 0	 0	 0	 0	 0	 0	 37,370

Notes  
 1) Includes Isabella Reservoir evaporation loss attributable to exchange supply held within NKWSD Isabella Reservoir storage when applicable.  
 2) Exchange water delivery reflects a 6% Kern River Channel spreading loss rate and assignment of 56 AcFt of Cross Valley Canal transportation losses  
 3) Category "A" prior year balance increased by 6,123 acre-feet to include December 2006 SWP exchange delivery from ID4 to North Kern WSD

# NORTH KERN WATER STORAGE DISTRICT

## IMPROVEMENT DISTRICT NO. 4 WATER EXCHANGE SUMMARY

Status as of 12-31-2008

Quantities in acre-feet

<b>Pursuant to North Kern WSD/Improvement District #4 Accounting Agreement Dated March 1, 1995</b>								
CATEGORY "A"				CATEGORY "B"				Overall Exchange Balance
Date	NKWSD to ID4	ID4 to NKWSD	Cumulative Exchange Balance	Date	NKWSD to ID4	ID4 to NKWSD	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)
2002	25,110	0	(22,943)	2002	16,491	17,664	(1,173)	(24,116)
2003	12,473	0	(10,470)	2003	1,462	916	(627)	(11,097)
2004	1,995	0	(8,475)	2004	627	0	0	(8,475)
2005	1,840	3,786	(10,421)	2005	11,100	11,100	0	(10,421)
2006	103	20,640	(30,958)	2006	339	879	(540)	(31,498)
2007	3,729	0	(27,229)	2007	0	0	(540)	(27,769)
2008	8,853	0	(18,376)	2008	540	0	0	(18,376)
<b>Totals</b>	<b>107,806</b>	<b>126,182</b>		<b>Totals</b>	<b>45,194</b>	<b>45,194</b>		

### 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 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: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	60	28	0	0	0	0	0	0	131	18	33	38
2	49	30	0	0	0	0	0	0	98	23	44	36
3	43	35	0	0	0	0	0	0	77	26	29	39
4	57	19	0	0	0	0	0	0	96	21	21	36
5	33	26	0	0	0	0	0	0	97	15	17	35
6	38	11	0	0	0	0	0	0	84	19	18	33
7	36	26	0	0	0	0	0	0	55	28	23	35
8	25	26	0	0	0	0	0	0	48	26	19	45
9	28	19	0	0	0	0	0	0	67	11	21	39
10	33	23	0	0	0	0	0	0	114	18	21	34
11	35	24	0	0	0	0	0	0	87	12	23	42
12	42	28	0	0	0	0	0	0	89	16	19	51
13	52	31	0	0	0	0	0	0	41	22	21	43
14	45	35	0	0	0	0	0	0	42	13	29	34
15	43	29	0	0	0	0	0	0	49	10	19	30
16	34	26	0	0	0	0	0	0	44	28	22	37
17	34	28	0	20	0	0	0	0	93	30	41	29
18	31	27	0	118	0	0	0	0	80	42	111	31
19	44	30	0	43	0	0	0	0	67	43	97	35
20	42	26	0	40	0	0	0	0	47	16	100	37
21	48	24	0	36	0	0	0	0	43	15	103	31
22	45	25	0	47	0	0	0	0	37	12	75	31
23	35	31	0	47	0	0	0	0	40	14	67	37
24	29	33	0	45	0	0	0	0	26	14	17	32
25	25	34	0	45	0	0	0	0	18	19	35	32
26	26	24	0	43	0	0	0	0	20	19	81	27
27	36	27	0	53	0	0	0	0	25	13	62	27
28	35	28	0	42	0	0	0	0	25	17	21	29
29	40	35	0	42	0	0	0	73	26	2	22	32
30	38	-	0	44	0	10	38	324	22	8	20	28
31	38	-	0	-	0	-	57	228	-	17	-	32
TOTAL	1,199	788	0	665	0	10	95	625	1,788	587	1,231	1,077
MAXIMUM DAY	60	35	0	118	0	10	57	324	131	43	111	51
MINIMUM DAY	25	11	0	0	0	0	0	0	18	2	17	27
MEAN	39	27	0	22	0	0	3	20	60	19	41	35
TOTAL AC. FT.	2,379	1,562	0	1,319	0	20	189	1,239	3,546	1,164	2,443	2,136
WHOLE YEAR:-	TOTAL,	8,065	MAX.,	324	MIN.,	0	MEAN,	22	TOTAL AC.FT.,	15,997		



North Kern WSD Diverted to Cawelo Water District  
(Does not include Isabella Reservoir evaporation loss) Year: 2008

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	10	9	9	0
2	0	0	0	0	0	0	0	0	9	9	27	0
3	0	9	0	0	0	0	0	0	9	9	43	0
4	0	4	0	0	0	0	0	0	9	0	40	0
5	0	0	0	0	0	0	0	0	9	0	0	0
6	0	0	0	0	0	0	0	0	10	29	0	0
7	0	0	0	0	0	0	0	0	10	9	0	0
8	0	0	0	0	0	0	0	0	9	9	0	0
9	0	0	0	0	0	0	0	0	9	10	0	0
10	0	0	0	0	0	0	0	0	44	10	0	0
11	0	0	0	0	0	0	0	0	40	9	0	0
12	0	0	0	0	0	0	0	0	40	10	0	0
13	0	0	0	0	0	0	0	0	108	10	0	0
14	0	0	0	0	0	0	0	0	107	10	0	0
15	0	0	0	0	0	0	0	0	110	9	0	0
16	0	0	0	0	0	0	0	0	20	9	0	0
17	0	0	0	0	0	0	0	0	9	9	0	0
18	0	0	0	0	0	0	0	0	9	10	0	0
19	0	4	0	0	0	0	0	0	9	10	0	0
20	0	4	0	0	0	0	0	0	10	9	0	0
21	0	12	0	0	0	0	0	0	10	9	0	0
22	0	6	0	0	0	0	0	0	10	9	0	0
23	0	4	0	0	0	0	0	0	10	9	0	0
24	0	0	0	0	0	0	0	0	10	10	6	0
25	0	0	0	0	0	0	0	0	9	10	6	0
26	0	0	0	0	0	0	0	0	9	10	0	0
27	0	0	0	0	0	0	0	0	10	10	0	0
28	0	5	0	0	0	0	0	0	10	10	0	0
29	0	10	0	0	0	0	0	0	9	9	0	0
30	0	-	0	0	0	0	0	0	9	9	0	0
31	0	-	0	-	0	-	0	0	-	9	-	0
TOTAL	0	58	0	0	0	0	0	0	686	293	131	0
MAXIMUM DAY	0	12	0	0	0	0	0	0	110	29	43	0
MINIMUM DAY	0	0	0	0	0	0	0	0	9	0	0	0
MEAN	0	2	0	0	0	0	0	0	23	9	4	0
TOTAL AC. FT.	0	115	0	0	0	0	0	0	1,361	581	260	0
WHOLE YEAR:-	TOTAL,	1,168	MAX.,	110	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,317		



North Kern Water Storage District  
Exchange Deliveries via/for Shafter-Wasco ID

Year: 2008

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	7	22	0	0	0	0	6	12	0
2	0	0	0	7	22	0	0	0	0	21	12	0
3	0	0	0	7	22	0	0	0	0	21	12	0
4	0	0	0	7	22	0	0	0	0	23	11	0
5	0	0	0	7	22	0	0	0	0	22	11	0
6	0	0	0	7	22	0	0	0	0	22	11	0
7	0	0	0	16	22	0	0	0	0	21	11	0
8	0	0	0	16	22	0	0	0	0	21	11	0
9	0	0	0	16	22	0	0	0	0	20	5	0
10	0	0	0	17	22	0	0	0	0	21	5	0
11	0	0	0	12	0	0	0	0	0	20	5	0
12	0	0	0	12	21	0	0	0	0	20	0	0
13	0	0	0	12	20	0	0	0	0	20	0	0
14	0	0	0	12	20	0	0	0	0	20	0	0
15	0	0	0	12	20	0	0	0	0	21	0	0
16	0	0	0	11	20	0	0	0	0	0	0	0
17	0	0	0	11	20	0	0	0	0	0	0	0
18	0	0	0	0	20	0	0	0	0	0	0	0
19	0	0	0	0	20	0	0	0	0	0	0	0
20	0	0	0	0	20	0	0	0	0	0	0	0
21	0	0	0	14	20	0	0	0	0	0	0	0
22	0	0	0	14	21	0	0	0	0	0	0	0
23	0	0	0	14	21	0	0	0	0	0	0	0
24	0	0	0	14	22	0	0	0	0	0	0	0
25	0	0	8	14	22	0	0	0	0	0	0	0
26	0	0	8	14	22	0	0	0	0	0	0	0
27	0	0	9	16	22	0	0	0	0	0	0	0
28	0	0	8	16	22	0	0	0	0	0	0	0
29	0	0	8	21	22	0	0	0	0	0	0	0
30	0	-	8	21	21	0	0	0	0	0	0	0
31	0	-	9	-	0	-	0	0	-	0	-	0
TOTAL	0	0	58	347	616	0	0	0	0	299	106	0
MAXIMUM DAY	0	0	9	21	22	0	0	0	0	23	12	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	2	12	20	0	0	0	0	10	4	0
TOTAL AC. FT.	0	0	115	689	1,222	0	0	0	0	593	210	0
WHOLE YEAR:-	TOTAL,	1,426	MAX.,	23	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,829		

North Kern Water Storage District  
 Friant-Kern Canal Pump-In Deliveries  
 Year: 2008

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	19	13	16	13	0	0
2	0	0	0	0	0	0	19	13	16	13	0	0
3	0	0	0	0	0	0	19	13	16	14	0	0
4	0	0	0	0	0	21	19	13	16	14	0	0
5	0	0	0	0	0	22	19	13	16	14	0	0
6	0	0	0	0	0	22	19	13	16	14	5	0
7	0	0	0	0	0	22	20	14	15	14	5	0
8	0	0	0	0	0	22	20	14	15	14	5	0
9	0	0	0	0	0	22	20	14	15	13	5	0
10	0	0	0	0	0	21	20	14	15	13	5	0
11	0	0	0	0	0	20	20	14	16	14	6	0
12	0	0	0	0	0	20	20	18	16	16	0	0
13	0	0	0	0	0	20	20	18	16	17	0	0
14	0	0	0	0	0	20	20	18	16	17	0	0
15	0	0	0	0	0	20	20	18	16	17	0	0
16	0	0	0	0	0	20	20	18	16	17	0	0
17	0	0	0	0	0	20	20	18	16	17	0	0
18	0	0	0	0	0	20	21	18	16	17	0	0
19	0	0	0	0	0	20	21	18	16	17	0	0
20	0	0	0	0	0	20	21	18	16	17	0	0
21	0	0	0	0	0	20	21	18	15	17	0	0
22	0	0	0	0	0	19	21	10	16	13	0	0
23	0	0	0	0	0	19	21	10	16	13	0	0
24	0	0	0	0	0	19	21	10	16	13	0	0
25	0	0	0	0	0	19	20	10	12	13	0	0
26	0	0	0	0	0	19	20	10	12	13	0	0
27	0	0	0	0	0	19	20	10	12	13	0	0
28	0	0	0	0	0	19	20	10	12	14	0	0
29	0	0	0	0	0	19	20	10	12	14	0	0
30	0	0	0	0	0	19	20	9	16	14	0	0
31	0	0	0	0	0	0	20	9	0	12	0	0
TOTAL	0	0	0	0	0	543	621	426	455	451	31	0
MAXIMUM DAY	0	0	0	0	0	22	21	18	16	17	6	0
MINIMUM DAY	0	0	0	0	0	0	19	9	12	12	0	0
MEAN	0	0	0	0	0	18	20	14	15	15	1	0
TOTAL AC. FT.	0	0	0	0	0	1,078	1,232	845	903	895	61	0
WHOLE YEAR:-	TOTAL,	2,527	MAX.,	22	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	5,014		

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



**WATER EXCHANGE BETWEEN  
NORTH KERN WSD and CITY OF BAKERSFIELD  
THREE YEAR RECAPITULATION**

Quantities in acre-feet

2006	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD to CITY	2,729	0	0	0	0	0	0	0	0	0	0	261	2,990
CITY to NKWSD	0	0	3,021	0	0	0	0	0	0	0	0	0	3,021
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	40,162	40,162	37,141	37,141	37,141	37,141	37,141	37,141	37,141	37,141	37,141	37,402	37,402

**2007**

NKWSD to CITY	7,156	278	0	0	0	0	0	0	0	0	0	0	7,434
CITY to NKWSD	0	0	157	0	0	0	0	0	0	0	0	0	157
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	44,558	44,836	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679

**2008**

NKWSD to CITY	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY to NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679

**Long Term Recapitulation**  
**BORROW/PAYBACK WATER EXCHANGE BETWEEN**  
**NORTH KERN WSD and CITY OF BAKERSFIELD**

Quantities in acre-feet

**Year: 2008**

<u>YEAR</u>	<u>NKWSD TO CITY</u>	<u>CITY TO NKWSD</u>	<u>END OF YEAR RUNNING BALANCE (City owes NKWSD)</u>
1962	0	0	323 (1)
1963	35,025	24,094 (2)	11,254
1964	16,200	50,649	(23,195)
1965	46,532	11,783	11,554
1966	27,669	43,130	(3,907)
1967	18,836	18,799	(3,870)
1968	50,370	62,220	(15,720)
1969	5,084	0	(10,636)
1970	43,496	57,887	(25,027)
1971	44,186	49,056	(29,897)
1972	16,250	10,157	(23,804)
1973	493	0	(23,311)
1974	0	0	(23,311)
1975	5,585	0	(17,726)
1976	0	0	(17,726)
1977	2,054	0	(15,672)
1978	30,517	0	14,845
1979	0	10,000	4,845
1980	14,765	0	19,610
1981	184	5,318	14,476
1982	10,224	0	24,700
1983	0	0	24,700
1984	10,192	10,000	24,892
1985	9,550	10,000	24,442
1986	5,000	0	29,442
1987	2,448	7,500	24,390
1988	8,379	1,877	30,892
1989	5,848	3,877	32,863
1990	1,552	716	33,699
1991	8,763	985	41,477
1992	3,522	4,276	40,723
1993	24,872	17,292	48,303
1994	3,938	2,981	49,260
1995	7,966	934	56,292
1996	5,669	0	61,961
1997	0	10,000	51,961
1998	0	0	51,961
1999	590	10,000	42,551
2000	6,366	10,000	38,917
2001	4,791	4,549	39,159
2002	2,959	6,333	35,785
2003	6,175	7,869	34,091
2004	3,342	0	37,433
2005	0	0	37,433
2006	2,990	3,021	37,402
2007	7,434	157	44,679
2008	0	0	44,679

Notes:

(1) Carryover from Buena Vista WSD/North Kern WSD River Program Agreement assumed by Conduit (City) as part of Agreement

(2) First transaction under NKWSD/Conduit (City) Borrow/Payback Exchange executed in March of 1963.

# COST ALLOCATION & WATERMASTER SUMMARIES

CALIFORNIA COOPERATIVE SNOW SURVEYS  
**SNOW-SURVEY  
SHELTER**  
TRAVELERS  
THIS SHELTER IS ESSENTIAL TO THE  
SAFETY OF SNOW SURVEYORS WHO USE IT  
DURING THE SNOW SEASON.  
*DO NOT TRESPASS*  
STATE OF CALIFORNIA  
DEPARTMENT 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*

Year: 2008

Quantities in acre-feet

	Five Year Total					Allocation Percentage	
	2004	2005	2006	2007	2008		
Carrier Canal at Head	189,266	232,937	251,741	177,744	234,471	1,086,159	99.46%
Oilfield Discharge	0	880	681	3,691	0	5,252	0.48%
Storm Drain Inflow	129	162	65	54	224	634	0.06%
<b>TOTAL CARRIER CANAL FLOW</b>	<b>189,395</b>	<b>233,979</b>	<b>252,487</b>	<b>181,489</b>	<b>234,695</b>	<b>1,092,045</b>	<b>100.00%</b>

Kern Island Canal (1)	137,612	148,478	147,301	121,777	139,810	694,978	63.64%
Eastside Canal	12,285	14,826	13,816	11,805	15,393	68,125	6.24%
Kern Delta WD via Levee #1	26,735	53,371	65,722	12,299	34,813	192,940	17.67%
<b>KERN DELTA WATER DISTRICT TOTAL</b>	<b>176,632</b>	<b>216,675</b>	<b>226,839</b>	<b>145,881</b>	<b>190,016</b>	<b>956,043</b>	<b>87.55%</b>

Via Kern Island Canal	0	0	0	0	7,822	7,822	0.72%
Carrier Waste Gate	202	28	0	0	1,819	2,049	0.19%
Kern River Conduit via Levee #1	12,561	17,276	25,648	35,608	34,938	126,031	11.54%
<b>CITY OF BAKERSFIELD TOTAL</b>	<b>12,763</b>	<b>17,304</b>	<b>25,648</b>	<b>35,608</b>	<b>44,579</b>	<b>135,902</b>	<b>12.45%</b>

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: 2008

	2004	2005	2006	2007	2008	Five Year Total	Allocation Percentage
<b>TOTAL CARRIER CANAL FLOW (1)</b>	<b>62,922</b>	<b>214,510</b>	<b>171,553</b>	<b>51,618</b>	<b>104,813</b>	<b>605,416</b>	<b>100.00%</b>
Stine Canal Total Diverted (2)	15,214	35,290	40,533	3,495	15,166	109,698	18.12%
Arvin-Edison Turnout Total Diverted (2)	0	0	0	0	0	0	0.00%
Buena Vista Canal Total Diverted (2)	20,033	38,233	35,032	8,200	21,946	123,444	20.39%
River Canal Total Diverted (3)	577	167	0	574	0	1,318	0.22%
<b>KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL</b>	<b>35,824</b>	<b>73,690</b>	<b>75,565</b>	<b>12,269</b>	<b>37,112</b>	<b>234,460</b>	<b>38.73%</b>
<b>KERN RIVER CONDUIT (City of Bakersfield)</b>	<b>27,098</b>	<b>140,820</b>	<b>95,988</b>	<b>39,349</b>	<b>67,701</b>	<b>370,956</b>	<b>61.27%</b>

Notes: (1) Sum of Carrier Canal flow at Oak Street, Truxtun Lake inflow (CVC water) and River Canal inflow.  
 (2) Sum of headgate diversion and share of Carrier Canal loss.  
 (3) Includes diversions to Pioneer Project via River Canal.

**CALLOWAY AND BEARDSLEY CANALS**

Allocation of Joint Accounts  
2008

**CALLOWAY CANAL USED**

Preceding Ten Years

Year	Diverted via Calloway Canal			
	NKWSD	CITY	Subtotal	ID4 TOTAL
1999	11,873	611	12,484	30,624
2000	97	0	97	32,258
2001	0	0	0	9,034
2002	0	0	0	24,450
2003	0	0	0	10,688
2004	0	0	0	19,126
2005	43,729	4,460	48,189	27,597
2006	80,517	8,006	88,523	21,549
2007	0	0	0	9,421
2008	0	0	0	27,709
<b>Total</b>	<b>136,216</b>	<b>13,077</b>	<b>149,293</b>	<b>212,456</b>
<b>Percent</b>	<b>91.24%</b>	<b>8.76%</b>	<b>100.00%</b>	

**BEARDSLEY CANAL USED**

Preceding Five Years

Year	Diverted via Beardsley Canal					
	North Kern Water Storage District			CITY	Subtotal	CWD/Other
	NKWSD	RRID	TOTAL			
2004	110,049	350	110,399	10,425	120,824	53,989
2005	198,183	9,188	207,371	15,746	223,117	67,068
2006	213,766	5,541	219,307	11,381	230,688	68,208
2007	74,079	188	74,267	6,581	80,848	51,131
2008	91,643	0	91,643	10,851	102,494	39,202
<b>Total</b>	<b>687,720</b>	<b>15,267</b>	<b>702,987</b>	<b>54,984</b>	<b>757,971</b>	<b>279,598</b>
<b>Percent</b>	<b>90.73%</b>	<b>2.02%</b>	<b>92.75%</b>	<b>7.25%</b>	<b>100.00%</b>	

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

Year: 2008

Quantities in acre-feet  
 except where noted...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Operating Loss/Spreading	218	208	228	228	245	232	131	238	202	164	145	111	2,350
Treatment Plant	1,234	1,313	2,200	2,374	2,700	2,868	1,513	3,098	2,656	2,313	1,551	1,180	25,000
Reverse Flow via Pump Plant #7	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Extension Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
T O #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
Loss to Buck Owens Weir	44	16	14	20	22	18	44	16	22	42	73	28	359
Western Reach Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL DIVERSION</b>	<b>1,496</b>	<b>1,537</b>	<b>2,442</b>	<b>2,622</b>	<b>2,967</b>	<b>3,118</b>	<b>1,688</b>	<b>3,352</b>	<b>2,880</b>	<b>2,519</b>	<b>1,769</b>	<b>1,319</b>	<b>27,709</b>
Base Rate	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	
Escalator	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	
Current Rate	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	
<b>SUB-TOTAL CHARGE</b>	<b>\$2,034.56</b>	<b>\$2,090.32</b>	<b>\$3,321.12</b>	<b>\$3,565.92</b>	<b>\$4,035.12</b>	<b>\$4,240.48</b>	<b>\$2,295.68</b>	<b>\$4,558.72</b>	<b>\$3,916.80</b>	<b>\$3,425.84</b>	<b>\$2,405.84</b>	<b>\$1,793.84</b>	<b>\$37,684.24</b>
Bartell Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
Loss Below Buck Owens Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Exchange Delivery	0	0	0	0	0	0	0	0	0	0	0	0	0
Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL DIVERSION</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Current Rate	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	\$1.36	
<b>SUB-TOTAL CHARGE</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>TOTAL CHARGE</b>	<b>\$2,034.56</b>	<b>\$2,090.32</b>	<b>\$3,321.12</b>	<b>\$3,565.92</b>	<b>\$4,035.12</b>	<b>\$4,240.48</b>	<b>\$2,295.68</b>	<b>\$4,558.72</b>	<b>\$3,916.80</b>	<b>\$3,425.84</b>	<b>\$2,405.84</b>	<b>\$1,793.84</b>	<b>\$37,684.24</b>



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

Year: 2008

Quantities in acre-feet

Canal	2004					2005					2006					2007					2008					Five Year Total		Percentage
	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008	Total	Percentage	
Kern Island	133,708	139,507	143,182	118,467	132,487	139,507	143,182	118,467	132,487	139,507	139,507	143,182	118,467	132,487	139,507	139,507	143,182	118,467	132,487	139,507	667,351	667,351	26.02%	26.02%	667,351	26.02%		
Eastside	12,285	14,440	13,709	10,962	15,393	14,440	13,709	10,962	15,393	14,440	13,709	10,962	15,393	15,393	14,440	13,709	10,962	15,393	15,393	14,440	66,789	66,789	2.60%	2.60%	66,789	2.60%		
Buena Vista	13,153	29,433	28,751	7,338	14,923	29,433	28,751	7,338	14,923	29,433	28,751	7,338	14,923	14,923	29,433	28,751	7,338	14,923	14,923	29,433	93,598	93,598	3.65%	3.65%	93,598	3.65%		
Stine	13,482	32,590	30,420	4,725	15,421	32,590	30,420	4,725	15,421	32,590	30,420	4,725	15,421	15,421	32,590	30,420	4,725	15,421	15,421	32,590	96,638	96,638	3.77%	3.77%	96,638	3.77%		
Farmers	10,745	18,828	14,820	2,670	13,174	18,828	14,820	2,670	13,174	18,828	14,820	2,670	13,174	13,174	18,828	14,820	2,670	13,174	13,174	18,828	60,237	60,237	2.35%	2.35%	60,237	2.35%		
<b>Subtotal Kern Delta WD</b>	<b>183,373</b>	<b>234,798</b>	<b>230,882</b>	<b>144,162</b>	<b>191,398</b>	<b>234,798</b>	<b>230,882</b>	<b>144,162</b>	<b>191,398</b>	<b>234,798</b>	<b>230,882</b>	<b>144,162</b>	<b>191,398</b>	<b>191,398</b>	<b>234,798</b>	<b>230,882</b>	<b>144,162</b>	<b>191,398</b>	<b>191,398</b>	<b>234,798</b>	<b>984,613</b>	<b>984,613</b>	<b>38.39%</b>	<b>38.39%</b>	<b>984,613</b>	<b>38.39%</b>		
City of Bakersfield	41,589	276,251	273,271	45,941	56,352	276,251	273,271	45,941	56,352	276,251	273,271	45,941	56,352	56,352	276,251	273,271	45,941	56,352	56,352	276,251	693,404	693,404	27.03%	27.03%	693,404	27.03%		
K.R.C. & I. Co. (Beardsley)	9,085	5,673	4,636	6,581	8,270	5,673	4,636	6,581	8,270	5,673	4,636	6,581	8,270	8,270	5,673	4,636	6,581	8,270	8,270	5,673	34,245	34,245	1.33%	1.33%	34,245	1.33%		
Central - I.D. #4 (Calloway)	19,126	27,597	20,430	9,421	27,709	27,597	20,430	9,421	27,709	27,597	20,430	9,421	27,709	27,709	27,597	20,430	9,421	27,709	27,709	27,597	104,283	104,283	4.07%	4.07%	104,283	4.07%		
James	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	0.00%	
Pioneer	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	0.00%	
<b>Subtotal City of Bakersfield</b>	<b>69,800</b>	<b>309,521</b>	<b>298,337</b>	<b>61,943</b>	<b>92,331</b>	<b>309,521</b>	<b>298,337</b>	<b>61,943</b>	<b>92,331</b>	<b>309,521</b>	<b>298,337</b>	<b>61,943</b>	<b>92,331</b>	<b>92,331</b>	<b>309,521</b>	<b>298,337</b>	<b>61,943</b>	<b>92,331</b>	<b>92,331</b>	<b>309,521</b>	<b>831,932</b>	<b>831,932</b>	<b>32.43%</b>	<b>32.43%</b>	<b>831,932</b>	<b>32.43%</b>		
<b>North Kern WSD</b>	<b>104,012</b>	<b>227,488</b>	<b>249,560</b>	<b>73,910</b>	<b>93,665</b>	<b>227,488</b>	<b>249,560</b>	<b>73,910</b>	<b>93,665</b>	<b>227,488</b>	<b>249,560</b>	<b>73,910</b>	<b>93,665</b>	<b>93,665</b>	<b>227,488</b>	<b>249,560</b>	<b>73,910</b>	<b>93,665</b>	<b>93,665</b>	<b>227,488</b>	<b>748,635</b>	<b>748,635</b>	<b>29.18%</b>	<b>29.18%</b>	<b>748,635</b>	<b>29.18%</b>		
<b>Total First Point Group</b>	<b>357,185</b>	<b>771,807</b>	<b>778,779</b>	<b>280,015</b>	<b>377,394</b>	<b>771,807</b>	<b>778,779</b>	<b>280,015</b>	<b>377,394</b>	<b>771,807</b>	<b>778,779</b>	<b>280,015</b>	<b>377,394</b>	<b>377,394</b>	<b>771,807</b>	<b>778,779</b>	<b>280,015</b>	<b>377,394</b>	<b>377,394</b>	<b>771,807</b>	<b>2,565,180</b>	<b>2,565,180</b>	<b>100.00%</b>	<b>100.00%</b>	<b>2,565,180</b>	<b>100.00%</b>		
South Fork	114	112	132	0	0	114	112	132	0	114	112	132	0	0	114	112	132	0	0	114	0	0	0	0	0	0	0	
First Point Passing 2nd Point	0	1,085	11,890	0	0	1,085	11,890	0	0	1,085	11,890	0	0	0	1,085	11,890	0	0	0	0	0	0	0	0	0	0	0	
River Loss and Spreading	28,787	70,808	53,675	15,682	24,167	70,808	53,675	15,682	24,167	70,808	53,675	15,682	24,167	24,167	70,808	53,675	15,682	24,167	24,167	70,808	16,885	16,885	0.66%	0.66%	16,885	0.66%		
Flow Above First Point	18,107	16,901	18,448	16,243	16,885	16,901	18,448	16,243	16,885	16,901	18,448	16,243	16,885	16,885	16,901	18,448	16,243	16,885	16,885	16,901	16,885	16,885	0.66%	0.66%	16,885	0.66%		
<b>Total 1st Point Group Diverted</b>	<b>404,193</b>	<b>860,713</b>	<b>862,924</b>	<b>311,940</b>	<b>418,446</b>	<b>860,713</b>	<b>862,924</b>	<b>311,940</b>	<b>418,446</b>	<b>860,713</b>	<b>862,924</b>	<b>311,940</b>	<b>418,446</b>	<b>418,446</b>	<b>860,713</b>	<b>862,924</b>	<b>311,940</b>	<b>418,446</b>	<b>418,446</b>	<b>860,713</b>	<b>418,446</b>	<b>418,446</b>	<b>16.3%</b>	<b>16.3%</b>	<b>418,446</b>	<b>16.3%</b>		

- Note:

ALL FIGURES REFLECT  
GROSS DIVERSIONS...

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

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

**COMPUTED YEAR: 2008**

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
2004	27,597,821	17,108,460	44,706,281	\$71,928
2005	66,555,427	31,501,098	98,056,525	\$71,928
2006	64,917,301	30,363,352	95,280,653	\$71,928
2007	39,194,639	14,516,962	53,711,601	\$71,928
2008	31,959,978	14,678,042	46,638,020	\$71,928
5-Year Totals	230,225,166	108,167,914	338,393,080	\$359,640

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

- Total 5-Year Operation & Interest Charge..... \$1,502,890

Total 5-Year Cost = \$1,502,890 = \$0.0044413

Total 5-Year Use = 338,393,080 = Rental Charge  
Per  
Acre-Foot Day

TOTAL 2008 HACIENDA WD Acre-Foot Storage Days = 308,210

TOTAL 2008 HACIENDA WD Share of 2008 Storage Costs = \$1,368.85

(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; \$ 71,928 per year  
2004 through 2008 (includes contract administration charges by the U.S.B.R.).

# KERN COUNTY RECREATION POOL REPORT FROM THE KERN RIVER WATERMASTER

Year: 2008

Quantities in acre-feet  
except where noted...

	Total Storage in Reservoir	Total Water Surface Area (Acres)	Area		Total Reservoir Loss	County of Kern		
			Attributable to Rec. Pool (Acres)			Ming Lake Net Inflow	Recreation Pool Loss	
End of Previous Year	107,442	4,410	910					
January	115,306	4,629	875		863	16	171	
February	131,230	5,052	820		877	16	155	
March	152,041	5,567	755		1,551	44	240	
April	191,043	6,434	655		2,408	60	280	
May	251,901	7,582	540		3,394	77	286	
June	251,446	7,575	540		5,818	105	407	
July	203,176	6,681	630		6,305	127	522	
August	144,323	5,381	780		5,530	121	662	
September	121,769	4,804	855		3,935	91	637	
October	111,237	4,517	890		2,785	65	522	
November	110,830	4,506	895		1,404	42	278	
December	116,888	4,673	870		1,021	26	202	
TOTALS					35,891	790	4,362	

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: 2008

	CALENDAR YEAR			
	FIRST POINT		YEAR	
	REGULATED	NATURAL	NKWS	ENTITLEMENT
JANUARY	13,854	22,580	22,417	163
To Date	13,854	22,580	22,417	163
FEBRUARY	19,952	36,754	36,754	0
	33,806	59,334	59,171	163
MARCH	34,365	56,727	44,550	12,177
	68,171	116,061	103,721	12,340
APRIL	39,580	80,991	60,894	20,097
	107,751	197,052	164,615	32,437
MAY	58,926	123,177	88,684	34,493
	166,677	320,229	253,299	66,930
JUNE	83,715	89,078	66,423	22,655
	250,392	409,307	319,722	89,585
JULY	80,059	38,095	31,843	6,252
	330,451	447,402	351,565	95,837
AUGUST	68,881	15,558	15,540	18
	399,332	462,960	367,105	95,855
SEPTEMBER	28,848	10,145	10,145	0
	428,180	473,105	377,250	95,855
OCTOBER	18,787	11,022	11,022	0
	446,967	484,127	388,272	95,855
NOVEMBER	15,935	16,933	16,933	0
	462,902	501,060	405,205	95,855
DECEMBER	9,857	16,937	16,937	0
Year	472,759	517,997	422,142	95,855

1894 to 2008 Mean April-July Runoff = 466,006 acre-feet (100% of Average)  
2008 April-July Runoff = 331,341 acre-feet ( 71% of Average)

	WATER YEAR			
	FIRST POINT		YEAR	
	REGULATED	NATURAL	NKWS	ENTITLEMENT
OCTOBER	12,742	9,951	9,951	0
To Date	12,742	9,951	9,951	0
NOVEMBER	9,645	10,100	10,100	0
	22,387	20,051	20,051	0
DECEMBER	11,998	13,065	13,065	0
	34,385	33,116	33,116	0
JANUARY	13,854	22,580	22,417	163
	48,239	55,696	55,533	163
FEBRUARY	19,952	36,754	36,754	0
	68,191	92,450	92,287	163
MARCH	34,365	56,727	44,550	12,177
	102,556	149,177	136,837	12,340
APRIL	39,580	80,991	60,894	20,097
	142,136	230,168	197,731	32,437
MAY	58,926	123,177	88,684	34,493
	201,062	353,345	286,415	66,930
JUNE	83,715	89,078	66,423	22,655
	284,777	442,423	352,838	89,585
JULY	80,059	38,095	31,843	6,252
	364,836	480,518	384,681	95,837
AUGUST	68,881	15,558	15,540	18
	433,717	496,076	400,221	95,855
SEPTEMBER	28,848	10,145	10,145	0
Year	462,565	506,221	410,366	95,855

1894 to 2008 Mean March-October Runoff = 598,147 acre-feet (100% of Average)  
2008 March-October Runoff = 424,793 acre-feet ( 71% of Average)

# REPORT OF THE KERN RIVER WATERMASTER

# RECAPITULATION 2008

QUANTITIES IN ACRE-FEET EXCEPT WHERE NOTED...

Carry Over	ISABELLA RESERVOIR			NORTH KERN WATER STORAGE DISTRICT				Transfer or Exchange in Storage	BUENA VISTA WATER STORAGE DISTRICT				Kern County																				
	Elevation (feet)	Storage	Loss	Flow At First Point	Flow Above First Point	Flow First Point	Flow At First Point		Flow Above First Point	Flow At First Point	Flow At 1st Point	Flow At 2nd Point	Reservoir Storage	Reservoir Loss	Entitlement	Contributed by NKWMSD	Flow At 1st Point	Flow At 2nd Point	Reservoir Storage	Reservoir Loss													
2548.36	107442						57003																										
JAN	2550.10	115306	863	12906	948	13854	0	22580	22380	115306	107442	22417	948	12862	64954	657	0	163	0	44	0	18825	206	171	0	0	0	0	0	0	1343	0	
FEB	2553.39	131230	877	19123	829	19952	0	36754	36754	131230	36754	829	17978	82205	695	0	0	0	0	0	1145	0	17498	182	155	0	0	0	0	0	0	1343	0
MAR	2557.31	152041	1551	33421	944	34365	0	56727	56727	152041	44550	864	31275	93378	1240	0	0	12177	0	0	2146	0	27136	311	240	0	0	0	0	0	1343	0	
APR	2563.81	191043	2408	38245	1335	39580	0	80991	80991	191043	60894	1275	37636	113579	1781	0	0	20097	0	0	609	0	45945	619	280	0	0	0	0	0	1335	8	
MAY	2572.49	251901	3394	57413	1513	58926	0	123177	123177	251901	88684	1513	52461	145962	2329	0	0	34493	0	0	1253	3699	74432	1053	286	0	0	0	0	0	1323	12	
JUN	2572.43	251446	5818	81876	1839	83715	0	89078	89078	251446	66423	1744	62830	143943	3868	0	0	22655	0	0	500	18546	76036	1910	407	0	0	0	0	1283	40		
JUL	2565.66	203176	6305	77982	2077	80059	0	38095	38095	203176	31843	1902	59133	110675	4073	0	0	6252	175	3624	15225	61089	2176	522	0	0	0	0	0	1228	56		
AUG	2555.90	144323	5530	66777	2104	68881	0	15558	15558	144323	15540	2014	46377	74170	3657	0	0	18	90	2369	16843	39969	1833	662	0	0	0	1188	0	0	40		
SEP	2551.47	121769	3935	26991	1857	28848	83	10145	10145	121769	10145	1857	22632	57321	2588	0	0	0	0	0	4359	0	34264	1347	637	0	0	0	0	0	0	0	
OCT	2549.21	111237	2785	17339	1448	18787	17	11022	11022	111237	11022	1428	15626	49520	1787	0	0	0	0	20	1713	0	31533	998	522	0	0	0	0	0	0	0	
NOV	2549.12	110830	1404	14846	1089	15935	0	16933	16933	110830	16933	1089	14625	49841	896	0	0	0	0	0	221	0	30805	508	278	0	0	0	0	0	0	0	
DEC	2530.44	116888	1021	8955	902	9857	0	16937	16937	116888	16937	902	8955	56272	658	(1)	10	0	0	0	0	30432	363	202	0	0	0	0	0	0	0	0	
Total			35891	455874	16885	472759	100	517997	517997		422142	16365	382390	24229		10		163	95692	520	17983	54313	11506		4362	0	0	1188	0		156		

By Steve Laford Date February 17, 2009

NOTES (1) BVWMSD to NKWMSD

KERN COUNTY RECREATION POOL = 30,000 Ac Ft DEAD STORAGE = 184 Ac Ft STORAGE & ELEVATION REFLECT LAST DAY OF MONTH

Isabella Dam & Reservoir  
Midnight Storage Recapitulation

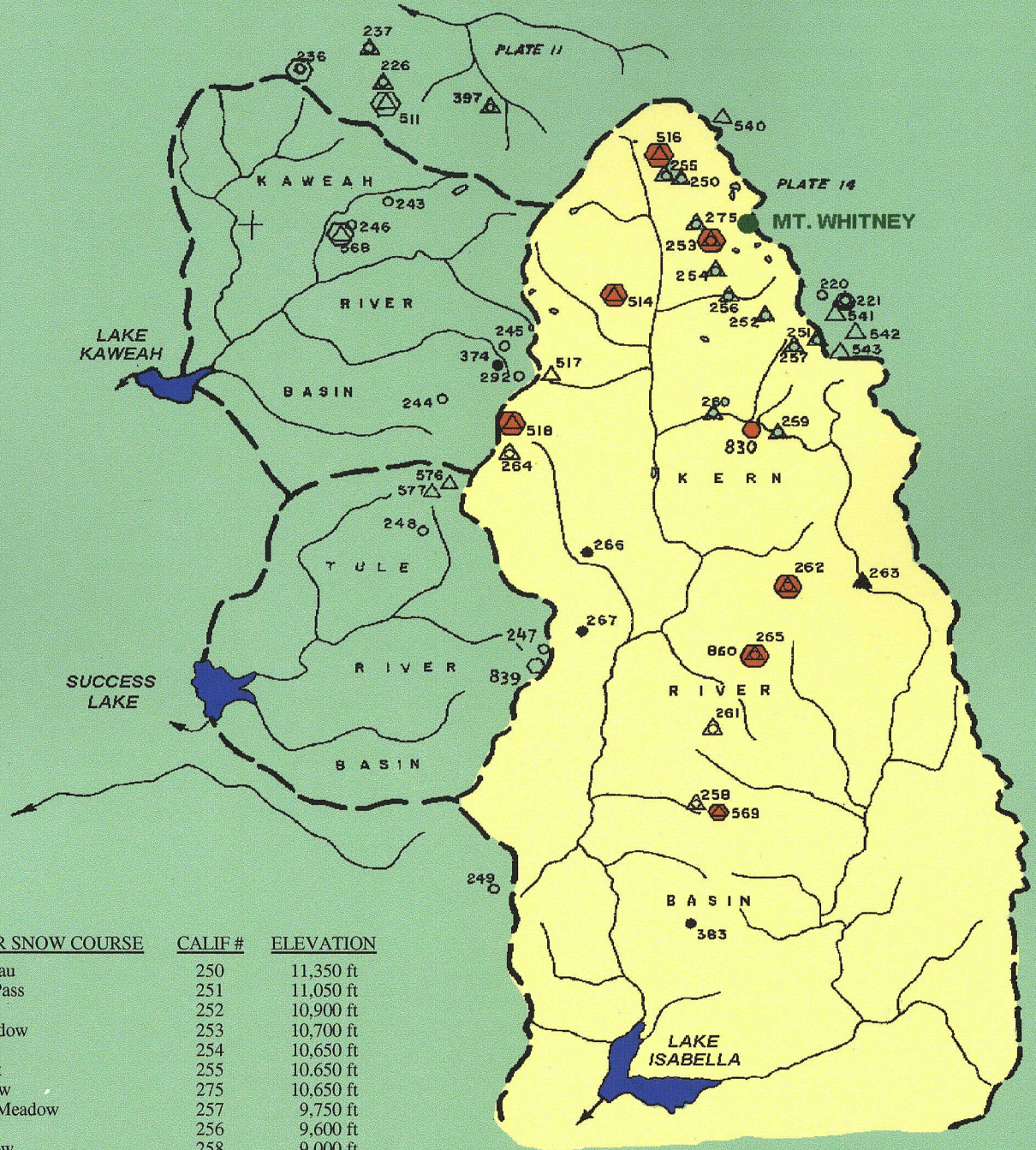
Year: 2008

QUANTITIES IN ACRE-FEET

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	107,442	115,214	132,141	152,934	192,980	252,203	249,707	200,712	143,250	121,384	111,373	110,785
2	107,487	115,306	133,159	153,605	194,863	252,127	247,900	198,532	142,128	121,049	111,507	110,695
3	107,619	116,421	133,670	154,336	196,955	251,977	246,326	196,299	141,064	120,667	111,643	110,605
4	108,017	116,841	134,029	155,067	198,926	252,203	245,054	193,498	140,007	120,381	111,553	110,560
5	111,146	117,075	134,438	156,254	200,448	252,431	243,936	190,658	139,113	120,095	111,462	110,470
6	112,688	117,261	134,592	157,106	201,643	252,811	242,599	187,970	138,326	119,714	111,462	110,291
7	113,374	117,308	134,592	158,189	202,842	253,951	240,968	185,243	137,491	119,383	111,418	110,291
8	113,831	117,449	134,953	158,932	204,447	254,867	239,345	182,354	136,503	118,956	111,462	110,246
9	114,245	117,778	135,520	159,506	206,196	255,249	237,582	179,801	135,572	118,483	111,553	110,246
10	114,614	118,060	135,985	159,793	208,157	255,326	235,244	177,334	134,695	118,060	111,553	110,201
11	114,982	118,296	136,555	160,368	210,129	256,166	233,135	174,644	133,926	117,778	111,462	110,156
12	115,214	118,531	137,438	161,409	211,906	256,626	231,543	172,100	133,261	117,543	111,462	110,112
13	115,399	118,625	138,378	162,976	213,692	257,240	230,028	169,760	132,548	117,261	111,462	110,246
14	115,399	118,909	139,481	164,553	215,280	258,007	228,663	167,616	131,635	116,935	111,507	110,740
15	115,399	119,098	140,430	166,847	217,292	258,392	227,662	165,845	130,674	116,748	111,507	111,011
16	115,399	119,240	141,277	169,043	220,225	258,238	226,589	164,377	129,720	116,514	111,462	111,282
17	115,399	119,383	141,808	170,837	224,102	257,776	225,593	162,918	128,820	116,188	111,373	111,507
18	115,399	119,525	142,234	172,522	228,233	257,240	225,024	160,946	127,974	115,863	111,282	111,734
19	115,306	119,714	142,661	173,793	232,627	256,626	224,244	159,046	127,279	115,492	111,192	111,961
20	115,121	120,190	143,250	175,069	237,802	256,089	223,323	157,503	126,637	115,121	111,056	112,233
21	115,029	120,809	143,892	176,720	241,634	256,319	221,841	156,254	126,046	114,752	110,921	112,416
22	114,936	121,960	144,646	177,888	244,755	256,396	220,155	155,236	125,408	114,337	110,830	112,962
23	114,890	123,360	145,347	178,874	246,999	256,243	218,546	154,336	124,820	113,923	110,785	113,419
24	114,890	125,065	145,943	180,111	248,726	255,785	217,083	153,381	124,333	113,557	110,740	113,739
25	114,936	126,932	146,540	181,354	250,009	255,173	215,696	152,152	123,846	113,190	110,695	114,383
26	115,121	128,122	146,975	182,730	250,764	254,714	214,105	150,930	123,457	112,779	111,011	114,890
27	115,260	129,170	148,012	184,360	251,446	254,180	212,316	149,660	123,022	112,370	110,966	115,260
28	115,492	130,222	148,725	186,381	251,901	253,648	210,333	148,505	122,587	111,961	110,921	115,631
29	115,445	131,230	149,825	188,608	251,977	252,811	208,157	147,139	122,153	111,598	110,876	116,048
30	115,399	-	151,041	191,043	251,901	251,446	205,724	145,672	121,769	111,327	110,830	116,514
31	115,306	-	152,041	-	251,901	-	203,176	144,323	-	111,237	-	116,888
MAXIMUM DAY	115,492	131,230	152,041	191,043	251,977	258,392	249,707	200,712	143,250	121,384	111,643	116,888
MINIMUM DAY	107,442	115,214	132,141	152,934	192,980	251,446	203,176	144,323	121,769	111,237	110,695	110,112

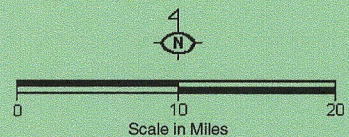
# KERN RIVER BASIN

Drainage Basin Above Lake Isabella = 2,074 Square Miles

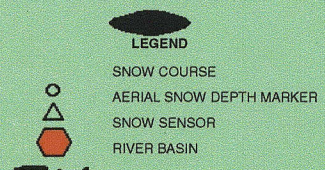


<u>KERN RIVER SNOW COURSE</u>	<u>CALIF #</u>	<u>ELEVATION</u>
Bighorn Plateau	250	11,350 ft
Cottonwood Pass	251	11,050 ft
Siberian Pass	252	10,900 ft
Crabtree Meadow	253	10,700 ft
Guyot Flat	254	10,650 ft
Tyndall Creek	255	10,650 ft
Sandy Meadow	275	10,650 ft
Big Whitney Meadow	257	9,750 ft
Rock Creek	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

<u>KERN RIVER SNOW SENSOR</u>	<u>CALIF #</u>	<u>ELEVATION</u>
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 2008

PAGE 1 of 5

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	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		FRIANT-KERN INFLOW	DAY	
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET					S.F.D.	AT 1ST POINT		REGULATED FLOW	RECREATION POOL + Dead Storage = 15,218 S.F.D. (30,184 ACFT)			IRRIGATION	TOTAL			AT 2ND POINT
Previous Day	2548.36	107,442	54,169	22	145	161	183	183	183	54,169	38,951	5	0	0	0	0	0	
1	2548.36	107,442	54,169	33	157	173	206	206	206	54,169	38,951	7	0	0	0	0	1	
2	2548.37	107,487	54,191	34	140	155	211	220	220	54,200	38,982	7	0	0	0	0	2	
3	2548.40	107,619	54,258	19	135	152	238	229	229	54,258	39,040	4	0	0	0	0	3	
4	2548.49	108,017	54,459	3	143	157	361	361	361	54,459	39,241	1	0	0	0	0	4	
5	2549.19	111,146	56,036	3	163	178	1,758	1,758	1,758	56,036	40,818	1	0	0	0	0	5	
6	2549.53	112,688	56,814	2	127	142	922	922	922	56,814	41,596	0	0	0	0	0	6	
7	2549.68	113,374	57,159	14	127	142	501	501	501	57,159	41,941	3	0	0	0	0	7	
8	2549.78	113,831	57,390	11	120	135	377	374	374	57,387	42,169	2	0	0	0	0	8	
9	2549.87	114,245	57,599	16	129	144	369	364	364	57,591	42,373	3	0	0	0	0	9	
10	2549.95	114,614	57,785	11	133	148	345	359	359	57,791	42,573	2	0	0	0	0	10	
11	2550.03	114,982	57,970	11	151	167	363	336	336	57,949	42,731	2	0	0	0	0	11	
12	2550.08	115,214	58,087	10	159	174	301	327	327	58,092	42,874	2	0	0	0	0	12	
13	2550.12	115,399	58,180	17	190	206	316	287	287	58,156	42,938	3	0	0	0	0	13	
14	2550.12	115,399	58,180	25	203	219	244	282	282	58,194	42,976	5	0	0	0	0	14	
15	2550.12	115,399	58,180	16	254	270	286	275	275	58,183	42,965	3	0	0	0	0	15	
16	2550.12	115,399	58,180	19	260	275	294	292	292	58,181	42,963	4	0	0	0	0	16	
17	2550.12	115,399	58,180	19	262	278	297	302	302	58,186	42,968	4	0	0	0	0	17	
18	2550.12	115,399	58,180	25	272	289	314	294	294	58,166	42,948	5	0	0	0	0	18	
19	2550.10	115,306	58,133	22	279	296	271	271	271	58,119	42,901	4	0	0	0	0	19	
20	2550.06	115,121	58,040	16	288	305	228	265	265	58,063	42,845	3	0	0	0	0	20	
21	2550.04	115,029	57,994	17	310	327	298	266	266	57,985	42,767	3	0	0	0	0	21	
22	2550.02	114,936	57,947	13	291	307	273	280	280	57,945	42,727	2	0	0	0	0	22	
23	2550.01	114,890	57,924	5	271	286	268	279	279	57,933	42,715	1	0	0	0	0	23	
24	2550.01	114,890	57,924	2	280	295	297	295	295	57,931	42,713	0	0	0	0	0	24	
25	2550.02	114,936	57,947	8	273	288	319	314	314	57,949	42,731	2	0	0	0	0	25	
26	2550.06	115,121	58,040	16	206	217	326	304	304	58,020	42,802	3	0	0	0	0	26	
27	2550.09	115,260	58,110	8	175	190	268	306	306	58,128	42,910	2	0	0	0	0	27	
28	2550.14	115,492	58,227	3	191	205	325	276	276	58,196	42,978	1	0	0	0	0	28	
29	2550.13	115,445	58,204	8	234	249	234	285	285	58,224	43,006	2	0	0	0	0	29	
30	2550.12	115,399	58,180	13	290	306	295	275	275	58,180	42,962	2	0	0	0	0	30	
31	2550.10	115,306	58,133	16	294	310	279	279	279	58,133	42,915	3	0	0	0	0	31	
<b>TOTAL SECOND FOOT DAYS</b>				435	6,507	478	6,985	11,384	11,384	115,306	85,122	86	0	0	0	0	0	
<b>TOTAL ACRE-FEET</b>				863	12,906	948	13,854	22,580	22,580	115,306	85,122	171	0	0	0	0	0	0

By: 

Date: February 21, 2008

**REPORT OF THE KERN RIVER WATERMASTER**

JANUARY 2008

Quantities in S.F.D. except where noted

PAGE 2 of 5

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

DAY	ENTL AT 1ST		FLOW ABOVE 1ST		RESERVOIR		ENTL AT 1ST		FLOW PIONEER AT 2ND		RESERVOIR		ENTITLEMENT Contributed by:		FLOW		RESERVOIR				
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	VIA KWD	PROJECT	POINT	LOSS	STORAGE	NKWSD	BVWSD	LOSS	STORAGE	DAY			
Previous Day	183	145	16	17	28,739	0	0	0	0	0	5	9,535						677			
1	206	157	16	25	28,747	0	0	0	0	0	8	9,527						677			
2	220	140	15	26	28,786	0	0	0	0	0	8	9,519						677			
3	229	135	17	14	28,849	0	0	0	0	0	5	9,514						677			
4	361	143	14	2	29,051	0	0	0	0	0	1	9,513						677			
5	1,676	141	15	2	30,569	82	0	22	0	0	1	9,572						677			
6	922	127	15	2	31,347	0	0	0	0	0	0	9,572						677			
7	501	127	15	11	31,695	0	0	0	0	0	3	9,569						677			
8	374	120	15	8	31,926	0	0	0	0	0	3	9,566						677			
9	364	129	15	12	32,134	0	0	0	0	0	4	9,562						677			
10	359	133	15	8	32,337	0	0	0	0	0	3	9,559						677			
11	336	151	16	8	32,498	0	0	0	0	0	3	9,556						677			
12	327	159	15	8	32,643	0	0	0	0	0	2	9,554						677			
13	287	190	16	13	32,711	0	0	0	0	0	4	9,550						677			
14	282	203	16	19	32,755	0	0	0	0	0	6	9,544						677			
15	275	254	16	12	32,748	0	0	0	0	0	4	9,540						677			
16	292	260	15	15	32,750	0	0	0	0	0	4	9,536						677			
17	302	262	16	15	32,759	0	0	0	0	0	4	9,532						677			
18	294	272	17	19	32,745	0	0	0	0	0	6	9,526						677			
19	271	279	17	17	32,703	0	0	0	0	0	5	9,521						677			
20	265	288	17	12	32,651	0	0	0	0	0	4	9,517						677			
21	266	310	17	13	32,577	0	0	0	0	0	4	9,513						677			
22	280	291	16	10	32,540	0	0	0	0	0	3	9,510						677			
23	279	271	15	4	32,529	0	0	0	0	0	1	9,509						677			
24	295	280	15	2	32,527	0	0	0	0	0	0	9,509						677			
25	314	273	15	6	32,547	0	0	0	0	0	2	9,507						677			
26	304	206	11	12	32,622	0	0	0	0	0	4	9,503						677			
27	306	175	15	6	32,732	0	0	0	0	0	2	9,501						677			
28	276	191	14	2	32,801	0	0	0	0	0	1	9,500						677			
29	285	234	15	6	32,831	0	0	0	0	0	2	9,498						677			
30	275	290	16	10	32,790	0	0	0	0	0	3	9,495						677			
31	279	294	16	12	32,747	0	0	0	0	0	4	9,491						677			
S.F.D.	11,302	6,485	478	331	32,747	82	0	22	0	104	9,491	0	677	S.F.D.	0	0	0	677			
AC.FT.	22,417	12,862	948	657	64,954	163	0	44	0	206	18,825	0	1,343	AC.FT.	0	0	0	1,343			
TOTAL ACRE-FOOT STORAGE DAYS																		1,966,902	585,887	TOTAL ACRE-FOOT STORAGE DAYS	41,627

JANUARY 2008

WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO	TITLE OF COLUMN	COMMENT
January	5	2	BVWSD FLOW - PIONEER PROJECT	Delivered as per terms of Paragraph 5 (d) of the December 18, 1996 Pioneer Project Joint Operating Agreement.

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: February 1, 2008

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	11,400	27.7	1-27	60.0	27%	15.9	57%	DWR
	Bighorn Plateau	250	11,350	23.7	1-26	50.0	26%	13.2	56%	DWR
	Cottonwood Pass	251	11,050	14.8	2-04	44.0	26%	11.5	78%	DWR
	Siberian Pass	252	10,900	20.0	1-31	50.5	30%	15.0	75%	DWR
	Crabtree Meadow	253	10,700	19.6	1-29	61.9	25%	15.3	78%	DWR
	Guyot Flat	254	10,650	19.8	1-29	63.0	25%	15.7	79%	DWR
	Tyndall Creek	255	10,650	20.8	1-30	62.5	26%	16.1	77%	DWR
	Sandy Meadows	275	10,650	18.8	1-28	64.0	26%	16.8	89%	DWR
	Chagoopa Plateau	514	10,300	19.2	1-29	62.0	25%	15.5	81%	DWR
	Big Whitney Meadow	257	9,750	17.2	2-01	53.7	28%	14.9	87%	DWR
	Rock Creek	256	9,600	17.8	1-30	61.5	26%	16.0	90%	DWR
	Pascoe	569	9,150	24.9	2-01	67.3	26%	17.7	71%	USFS
	Round Meadow	258	9,000	24.1	2-01	60.2	29%	17.3	72%	USFS
	Wet Meadow	518	8,950	30.3						
	Tunnel Guard	830	8,900	15.6	2-01	50.0	25%	12.4	79%	DWR
	Ramshaw Meadows	259	8,700	11.5	2-01	46.2	28%	12.8	111%	DWR
	Little Whitney Meadow	260	8,500	12.9	2-02	52.0	28%	14.7	114%	DWR
	Quinn Ranger Station	264	8,350	18.9						
	Bonita Meadows	261	8,300	13.6	2-01	51.0	26%	13.1	96%	USFS
	Casa Vieja Meadows	262	8,300	19.8	1-31	60.0	26%	15.6	79%	USFS
	Casa Vieja Meadows	262	8,300	20.9						
	Beach Meadows	265	7,650	8.3	2-01	36.1	27%	9.9	119%	USFS
	Beach Meadows	860	7,650	11.0	2-01	40.1	26%	10.5	95%	USFS
	Dead Horse Meadow	249	7,300	10.7						

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 2008 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...

April-July = 430,000 acre-feet (93% of Average) \*\*\* Water Year = 600,000 acre-feet (82% of Average)

80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten) . . .

April-July = 280,000 AcFt (61% of Average) to 910,000 AcFt (197% of Average) \*\*\* Water Year = 400,000 AcFt (55% of Average) to 1,210,000 AcFt (202% of Average)

**REPORT OF THE KERN RIVER WATERMASTER**

Quantities in S.F.D. except where noted

FEBRUARY 2008

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL SECOND POINT FLOW AT	SECOND POINT GROUP FLOW AT 2ND POINT		FRONT-KERN INFLOW DAY
		MIDNIGHT STORAGE	ACRE-FEET					S.F.D.	REGULATED FLOW		+1ST POINT REGULATED FLOW	1ST POINT NATURAL FLOW			Recreation Pool + Dead Storage	IRRIGATION	
Previous Day	2550.10	115,306	58,133	16	294	16	310	279	279	279	58,133	42,915	3	0	0	0	0
1	2550.08	115,214	58,087	14	292	17	309	277	277	277	58,087	42,869	3	0	0	0	1
2	2550.10	115,306	58,133	11	275	16	291	348	348	348	58,133	42,915	2	0	0	0	2
3	2550.34	116,421	58,696	3	502	16	518	1,084	1,084	1,084	58,696	43,478	1	0	0	0	3
4	2550.43	116,841	58,907	8	418	7	425	644	644	644	58,907	43,689	1	0	0	0	4
5	2550.48	117,075	59,025	11	295	15	310	439	439	443	59,029	43,811	2	0	0	0	5
6	2550.52	117,261	59,119	12	327	18	345	451	439	439	59,111	43,893	2	0	0	0	6
7	2550.53	117,308	59,143	10	378	15	393	427	452	452	59,160	43,942	2	0	0	0	7
8	2550.56	117,449	59,214	12	380	16	396	479	468	468	59,220	44,002	2	0	0	0	8
9	2550.63	117,778	59,380	19	301	13	314	499	490	490	59,377	44,159	4	0	0	0	9
10	2550.69	118,060	59,522	18	317	14	331	491	498	498	59,526	44,308	3	0	0	0	10
11	2550.75	118,296	59,641	17	353	15	368	504	493	493	59,634	44,416	3	0	0	0	11
12	2550.79	118,531	59,759	21	331	15	346	485	480	480	59,747	44,529	4	0	0	0	12
13	2550.81	118,625	59,807	19	369	16	385	452	452	497	59,840	44,622	3	0	0	0	13
14	2550.87	118,909	59,950	24	372	15	387	554	497	497	59,926	44,708	4	0	0	0	14
15	2550.91	119,098	60,045	15	359	15	374	484	496	496	60,033	44,815	3	0	0	0	15
16	2550.94	119,240	60,117	17	345	15	360	449	464	464	60,120	44,902	3	0	0	0	16
17	2550.97	119,383	60,189	18	354	15	369	459	460	460	60,193	44,975	3	0	0	0	17
18	2551.00	119,525	60,261	21	365	15	380	473	475	475	60,267	45,049	4	0	0	0	18
19	2551.04	119,714	60,356	20	365	12	377	492	526	526	60,396	45,178	4	0	0	0	19
20	2551.14	120,190	60,596	2	357	14	371	613	585	585	60,608	45,390	0	0	0	0	20
21	2551.27	120,809	60,908	14	309	14	323	649	637	637	60,908	45,690	3	0	0	0	21
22	2551.51	121,960	61,488	2	251	13	264	846	846	846	61,488	46,270	0	0	0	0	22
23	2551.80	123,360	62,194	10	226	16	242	958	958	958	62,194	46,976	2	0	0	0	23
24	2552.15	125,065	63,054	2	240	13	253	1,115	1,115	1,115	63,054	47,836	0	0	0	0	24
25	2552.53	126,932	63,995	13	261	11	272	1,226	1,226	1,226	63,995	48,777	2	0	0	0	25
26	2552.77	128,122	64,595	26	298	15	313	939	939	939	64,595	49,377	4	0	0	0	26
27	2552.98	129,170	65,123	29	312	15	327	884	884	884	65,123	49,905	5	0	0	0	27
28	2553.19	130,222	65,654	22	326	14	340	893	893	893	65,654	50,436	4	0	0	0	28
29	2553.39	131,230	66,162	32	363	13	376	916	916	916	66,162	50,944	5	0	0	0	29
<b>TOTAL SECOND FOOT DAYS</b>				442	9,641	418	10,059	18,530	18,530	18,530	66,162	50,944	78	0	0	0	0
<b>TOTAL ACRE-FEET</b>				877	19,123	829	19,952	36,754	36,754	36,754	131,230	101,046	155	0	0	0	0

By:  Date: March 16, 2008

FEBRUARY 2008

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

DAY	ENTL AT 1ST POINT		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE		ENTL AT 1ST POINT		FLOW VIA AT 2ND POINT		RESERVOIR STORAGE		ENTL AT 1ST POINT		FLOW		RESERVOIR STORAGE		DAY		
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	KWD	KWD	POINT	LOSS	STORAGE	POINT	POINT	NKWS	BWSD	LOSS		STORAGE	
Previous Day	279	294	16	12	32,747	0	0	0	0	0	0	4	9,491	0	0	0	0	0	677	1	
1	277	281	17	11	32,715	0	11	0	0	0	3	9,477	0	0	0	0	0	0	677	2	
2	348	272	16	9	32,766	0	3	0	0	0	2	9,472	0	0	0	0	0	0	677	3	
3	1,084	497	16	2	33,335	0	5	0	0	0	1	9,466	0	0	0	0	0	0	677	4	
4	644	404	7	6	33,562	0	14	0	0	0	2	9,450	0	0	0	0	0	0	677	5	
5	443	277	15	9	33,704	0	18	0	0	0	2	9,430	0	0	0	0	0	0	677	6	
6	439	307	18	9	33,809	0	20	0	0	0	3	9,407	0	0	0	0	0	0	677	7	
7	452	361	15	8	33,877	0	17	0	0	0	2	9,388	0	0	0	0	0	0	677	8	
8	468	350	16	9	33,970	0	30	0	0	0	3	9,365	0	0	0	0	0	0	677	9	
9	490	276	13	15	34,156	0	25	0	0	0	4	9,326	0	0	0	0	0	0	677	10	
10	498	293	14	14	34,333	0	24	0	0	0	4	9,298	0	0	0	0	0	0	677	11	
11	493	325	15	13	34,473	0	28	0	0	0	4	9,266	0	0	0	0	0	0	677	12	
12	480	298	15	16	34,624	0	33	0	0	0	5	9,228	0	0	0	0	0	0	677	13	
13	497	339	16	15	34,751	0	30	0	0	0	4	9,194	0	0	0	0	0	0	677	14	
14	497	342	15	19	34,872	0	30	0	0	0	5	9,159	0	0	0	0	0	0	677	15	
15	496	337	15	12	35,004	0	22	0	0	0	3	9,134	0	0	0	0	0	0	677	16	
16	464	324	15	13	35,116	0	21	0	0	0	4	9,109	0	0	0	0	0	0	677	17	
17	460	328	15	14	35,219	0	26	0	0	0	4	9,079	0	0	0	0	0	0	677	18	
18	475	334	15	17	35,328	0	31	0	0	0	4	9,044	0	0	0	0	0	0	677	19	
19	526	344	12	16	35,482	0	21	0	0	0	4	9,019	0	0	0	0	0	0	677	20	
20	585	338	14	2	35,713	0	19	0	0	0	0	9,000	0	0	0	0	0	0	677	21	
21	637	293	14	11	36,032	0	16	0	0	0	3	8,981	0	0	0	0	0	0	677	22	
22	846	240	13	2	36,623	0	11	0	0	0	0	8,970	0	0	0	0	0	0	677	23	
23	958	220	16	8	37,337	0	6	0	0	0	2	8,962	0	0	0	0	0	0	677	24	
24	1,115	231	13	2	38,206	0	9	0	0	0	0	8,953	0	0	0	0	0	0	677	25	
25	1,226	248	11	10	39,163	0	13	0	0	0	3	8,937	0	0	0	0	0	0	677	26	
26	939	279	15	21	39,787	0	19	0	0	0	5	8,913	0	0	0	0	0	0	677	27	
27	884	286	15	23	40,347	0	26	0	0	0	6	8,881	0	0	0	0	0	0	677	28	
28	893	299	14	18	40,909	0	27	0	0	0	4	8,850	0	0	0	0	0	0	677	29	
29	916	341	13	26	41,445	0	22	0	0	0	6	8,822	0	0	0	0	0	0	677	30	
S.F.D.	18,530	9,064	418	350	41,445	0	577	0	0	92	8,822	0	677	S.F.D.					677		
AC.FT.	36,754	17,978	829	695	82,205	0	1,145	0	0	182	17,498	0	1,343	AC.FT.					1,343		
TOTAL ACRE-FOOT STORAGE DAYS		2,056,181		TOTAL ACRE-FOOT STORAGE DAYS		526,750		TOTAL ACRE-FOOT STORAGE DAYS		38,941											

FEBRUARY 2008

WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH  
February

DAY(S)

PAGE NO.

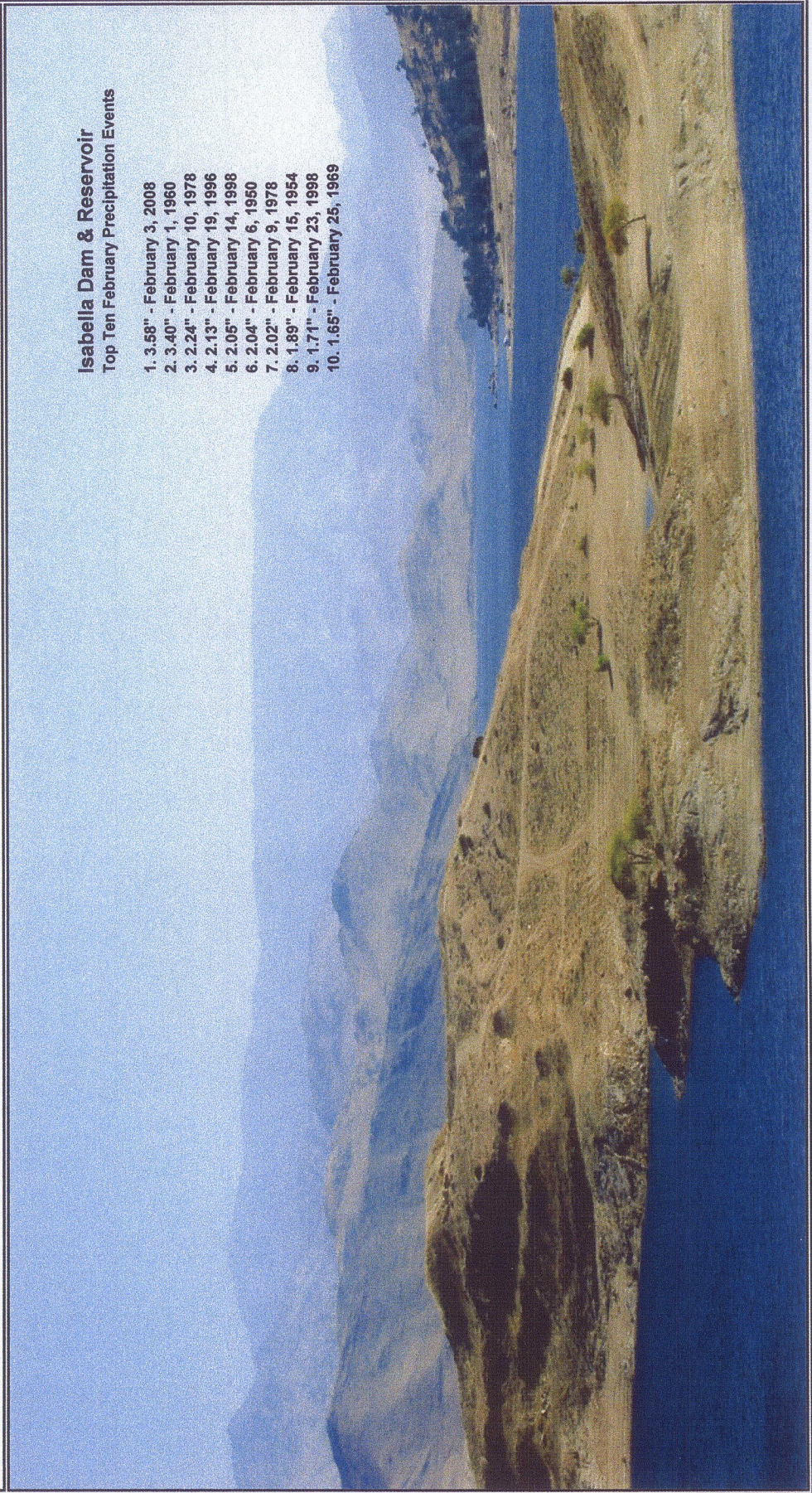
TITLE OF COLUMN

COMMENT

None

**Isabella Dam & Reservoir**  
Top Ten February Precipitation Events

1. 3.58" - February 3, 2008
2. 3.40" - February 1, 1960
3. 2.24" - February 10, 1978
4. 2.13" - February 19, 1996
5. 2.05" - February 14, 1998
6. 2.04" - February 6, 1950
7. 2.02" - February 9, 1978
8. 1.89" - February 15, 1954
9. 1.71" - February 23, 1998
10. 1.65" - February 25, 1969



**REPORT OF THE KERN RIVER WATERMASTER**

MARCH 2008

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	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							
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-Feet				LOSS S.F.D.	+1ST POINT REGULATED FLOW		-1ST POINT NATURAL FLOW	Recreation Pool + Dead Storage = 15,218 S.F.D. (80,184 ACFT)			TOTAL IRRIGATION	RIVER	FRIANT-KERN					
Previous Day	2553.39	131,230	363	13	376	916	916	916	66,162	50,944	5	0	0	0						
1	2553.57	132,141	395	15	410	900	921	921	66,642	51,424	5	0	0	0						
2	2553.77	133,159	410	16	426	963	902	902	67,094	51,876	4	0	0	0						
3	2553.87	133,670	540	13	553	843	869	869	67,378	52,160	5	0	0	0						
4	2553.94	134,029	593	3	596	800	833	833	67,592	52,374	4	0	0	0						
5	2554.02	134,438	621	3	624	856	804	804	67,746	52,528	4	0	0	0						
6	2554.05	134,592	655	3	658	756	773	773	67,841	52,623	3	0	0	0						
7	2554.05	134,592	668	14	682	707	750	750	67,884	52,666	4	0	0	0						
8	2554.12	134,953	555	15	570	787	768	768	68,047	52,929	6	0	0	0						
9	2554.23	135,520	479	12	491	809	788	788	68,312	53,094	5	0	0	0						
10	2554.32	135,985	494	15	509	769	804	804	68,581	53,363	4	0	0	0						
11	2554.43	136,555	509	16	525	836	854	854	68,887	53,669	4	0	0	0						
12	2554.60	137,438	472	18	490	956	925	925	69,301	54,083	3	0	0	0						
13	2554.78	138,378	461	16	477	983	995	995	69,787	54,569	5	0	0	0						
14	2554.99	139,481	453	19	471	1,046	999	999	70,296	55,078	3	0	0	0						
15	2555.17	140,430	463	16	479	988	976	976	70,782	55,564	2	0	0	0						
16	2555.33	141,277	458	17	475	913	884	884	71,180	55,962	2	0	0	0						
17	2555.43	141,808	471	15	486	771	811	811	71,488	56,270	3	0	0	0						
18	2555.51	142,234	493	19	512	750	750	750	71,703	56,485	3	0	0	0						
19	2555.59	142,661	472	17	489	728	760	760	71,950	56,732	4	0	0	0						
20	2555.70	143,250	463	17	480	801	779	779	72,225	57,007	4	0	0	0						
21	2555.82	143,892	446	17	463	808	823	823	72,564	57,346	3	0	0	0						
22	2555.96	144,646	423	19	442	861	847	847	72,930	57,712	6	0	0	0						
23	2556.09	145,347	467	18	485	871	885	885	73,297	58,079	5	0	0	0						
24	2556.20	145,943	579	17	596	923	947	947	73,622	58,404	4	0	0	0						
25	2556.31	146,540	687	18	705	1,047	987	987	73,863	58,645	6	0	0	0						
26	2556.39	146,975	726	19	745	992	1,010	1,010	74,100	58,882	4	0	0	0						
27	2556.58	148,012	765	17	782	1,327	1,327	1,327	74,623	59,405	3	0	0	0						
28	2556.71	148,725	732	18	750	1,129	1,181	1,181	75,034	59,816	3	0	0	0						
29	2556.91	149,825	681	18	699	1,284	1,284	1,284	75,537	60,319	4	0	0	0						
30	2557.13	151,041	634	18	652	1,284	1,284	1,284	76,150	60,932	3	0	0	0						
31	2557.31	152,041	585	19	604	1,132	1,132	1,132	76,654	61,436	3	0	0	0						
<b>TOTAL SECOND FOOT DAYS</b>											782	16,850	476	17,326	28,600	28,600	121	0	0	0
<b>TOTAL ACRE-Feet</b>											1,551	33,421	944	34,365	56,727	56,727	240	0	0	0

By:  Date: April 17, 2008

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MARCH 2008

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENTL FLOW ABOVE			RESERVOIR			ENTL AT 2ND			FLOW			HACIENDA			ENTILEMENT			RESERVOIR																																								
	POINT	AT 1ST	POINT	LOSS	STORAGE	POINT	AT 2ND	POINT	VIA	KWD	VIA	AT 2ND	POINT	INC.	La	NKWS	BVWS	LOSS	STORAGE	DAY																																							
Previous Day	916	341	13	26	41,445	0	0	0	22	0	0	0	0	0	0	0	0	6	8,822	677																																							
1	723	377	15	25	41,751	198	0	0	18	0	0	0	0	0	0	0	0	6	8,996	0	677																																						
2	710	388	16	20	42,037	192	0	0	22	0	0	0	0	0	0	0	0	4	9,162	0	677																																						
3	688	498	13	26	42,188	181	0	0	42	0	0	0	0	0	0	0	0	6	9,295	0	677																																						
4	663	542	3	19	42,287	170	0	0	51	0	0	0	0	0	0	0	0	4	9,410	0	677																																						
5	644	569	3	21	42,338	160	0	0	52	0	0	0	0	0	0	0	0	5	9,513	0	677																																						
6	623	608	3	16	42,334	150	0	0	47	0	0	0	0	0	0	0	0	4	9,612	0	677																																						
7	607	627	14	20	42,280	143	0	0	41	0	0	0	0	0	0	0	0	5	9,709	0	677																																						
8	619	519	15	28	42,337	149	0	0	36	0	0	0	0	0	0	0	0	7	9,815	0	677																																						
9	633	442	12	26	42,490	155	0	0	37	0	0	0	0	0	0	0	0	6	9,927	0	677																																						
10	644	444	15	21	42,654	160	0	0	50	0	0	0	0	0	0	0	0	5	10,032	0	677																																						
11	678	451	15	18	42,848	176	0	0	58	0	0	0	1	1	1	1	1	5	10,144	0	677																																						
12	726	414	16	17	43,127	199	0	0	58	0	0	0	2	2	2	2	2	4	10,279	0	677																																						
13	774	401	14	26	43,460	221	0	0	60	0	0	0	2	2	2	2	2	6	10,432	0	677																																						
14	777	393	16	15	43,813	222	0	0	60	0	0	0	2	2	2	2	2	4	10,588	0	677																																						
15	761	430	14	9	44,121	215	0	0	33	0	0	0	2	2	2	2	2	2	10,766	0	677																																						
16	698	422	15	9	44,373	186	0	0	36	0	0	0	2	2	2	2	2	2	10,912	0	677																																						
17	648	431	13	14	44,563	163	0	0	40	0	0	0	2	2	2	2	2	3	11,030	0	677																																						
18	607	469	17	18	44,666	143	0	0	24	0	0	0	2	2	2	2	2	5	11,142	0	677																																						
19	614	445	15	19	44,801	146	0	0	27	0	0	0	2	2	2	2	2	5	11,254	0	677																																						
20	627	442	15	19	44,952	152	0	0	21	0	0	0	2	2	2	2	2	5	11,378	0	677																																						
21	657	424	15	17	45,153	166	0	0	22	0	0	0	2	2	2	2	2	4	11,516	0	677																																						
22	673	410	17	31	45,368	174	0	0	13	0	0	0	2	2	2	2	2	8	11,667	0	677																																						
23	699	453	16	26	45,572	186	0	0	14	0	0	0	2	2	2	2	2	7	11,830	0	677																																						
24	741	561	15	21	45,716	206	0	0	18	0	0	0	2	2	2	2	2	5	12,011	0	677																																						
25	768	658	16	32	45,778	219	0	0	29	0	0	0	2	2	2	2	2	9	12,190	0	677																																						
26	784	701	17	22	45,822	226	0	0	25	0	0	0	2	2	2	2	2	6	12,383	0	677																																						
27	1,000	736	15	17	46,054	327	0	0	29	0	0	0	2	2	2	2	2	5	12,674	0	677																																						
28	901	694	16	16	46,229	280	0	0	38	0	0	0	2	2	2	2	2	4	12,910	0	677																																						
29	936	647	16	23	46,479	296	0	0	34	0	0	0	2	2	2	2	2	7	13,163	0	677																																						
30	971	607	16	15	46,812	313	0	0	27	0	0	0	2	2	2	2	2	4	13,443	0	677																																						
31	867	565	17	19	47,078	265	0	0	20	0	0	0	2	2	2	2	2	5	13,681	0	677																																						
S.F.D.	22,461	15,768	435	625	47,078	6,139	0	0	1,082	0	0	0	41	41	41	41	41	157	13,681	0	677																																						
AC.F.T.	44,550	31,275	864	1,240	93,378	12,177	0	0	2,146	0	0	0	80	80	80	80	80	311	27,136	0	1,343																																						
TOTAL ACRE-FOOT STORAGE DAYS																			2,716,324	TOTAL ACRE-FOOT STORAGE DAYS																			676,094	TOTAL ACRE-FOOT STORAGE DAYS																			41,627



**REPORT OF THE KERN RIVER WATERMASTER**

MARCH 2008  
 WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

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

**SOUTH FORK KERN RIVER Nr. ONYX  
 2007 WATER YEAR**

Discharge in cubic feet per second

Whole Year Runoff (AcFt) = 21518

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	32	26	40	39	42	63	44	12	4	2	4
2	26	32	30	39	39	47	62	43	11	4	2	5
3	25	33	31	40	38	50	62	41	11	4	2	3
4	27	33	29	41	38	52	62	40	10	4	2	2
5	27	33	29	48	40	54	62	40	10	3	2	2
6	27	34	31	37	41	50	62	39	10	3	2	2
7	27	36	32	38	43	63	61	35	10	3	2	2
8	28	36	32	44	43	76	60	33	9	3	2	2
9	28	36	32	40	44	81	60	32	9	3	2	2
10	28	35	39	41	46	83	58	31	8	3	2	2
11	28	35	39	40	64	80	55	30	8	2	2	2
12	29	35	33	36	56	82	52	29	8	2	1	2
13	32	35	38	24	50	84	50	28	8	2	1	2
14	37	37	42	27	52	88	49	27	7	2	1	2
15	41	43	44	31	46	92	49	25	7	2	1	3
16	42	38	45	36	45	92	52	24	7	2	1	3
17	40	36	43	37	50	92	51	24	6	2	1	3
18	38	38	37	35	54	91	56	23	6	2	1	3
19	35	39	32	38	60	90	60	21	6	2	1	4
20	35	35	31	36	60	88	59	21	5	2	1	4
21	34	33	37	35	55	84	56	19	5	2	1	4
22	33	33	45	32	56	76	56	19	5	2	2	5
23	32	33	40	35	57	70	59	18	5	2	2	6
24	32	34	39	36	46	67	62	18	5	2	2	6
25	32	32	39	36	46	66	62	17	5	2	2	5
26	32	30	39	36	52	68	58	15	5	2	2	5
27	33	29	47	36	54	70	52	14	4	3	2	6
28	32	32	43	41	50	68	50	14	5	3	2	6
29	33	30	35	39	64	64	47	13	5	2	2	6
30	32	25	38	38	65	65	46	13	4	2	2	6
31	31	40	40	39	66	66	46	12	4	2	2	6
TOTAL	984	1022	1137	1151	1364	2241	1693	802	216	78	52	109
MAX DAY	42	43	47	48	64	92	63	44	12	4	4	6
MIN DAY	25	25	26	24	38	42	46	12	4	2	1	2
MEAN	32	34	37	37	49	72	56	26	7	3	2	4
TOTAL AcFt	1952	2027	2255	2283	2705	4445	3358	1591	428	155	103	216

**REPORT OF THE KERN RIVER WATERMASTER**

APRIL 2008

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRIANT-KERN INFLOW DAY						
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET				LOSS S.F.D.	+1ST POINT REGULATED FLOW		REGULATION FLOW	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)			IRRIGATION	RIVER		FRIANT-KERN					
Previous Day	2557.31	152,041	585	19	604	1,132	1,132	1,132	76,654	61,436	3	0	0	0	0						
1	2557.47	152,934	596	19	615	1,089	1,089	1,068	77,083	61,865	3	0	0	0	0						
2	2557.59	153,605	644	19	663	1,026	1,026	1,057	77,453	62,235	3	0	0	0	0						
3	2557.72	154,336	640	20	660	1,055	1,055	1,020	77,786	62,568	4	0	0	0	0						
4	2557.85	155,067	565	20	585	978	978	1,062	78,239	63,021	3	0	0	0	0						
5	2558.06	156,254	505	19	524	1,154	1,154	1,060	78,743	63,525	4	0	0	0	0						
6	2558.21	157,106	570	20	590	1,049	1,049	1,149	79,273	64,055	4	0	0	0	0						
7	2558.40	158,189	650	20	670	1,243	1,243	1,157	79,733	64,515	3	0	0	0	0						
8	2558.53	158,932	751	26	777	1,178	1,178	1,199	80,128	64,910	3	0	0	0	0						
9	2558.63	159,506	837	27	864	1,177	1,177	1,139	80,380	65,162	3	0	0	0	0						
10	2558.68	159,793	868	24	892	1,062	1,062	1,132	80,594	65,376	3	0	0	0	0						
11	2558.78	160,368	798	21	819	1,158	1,158	1,147	80,873	65,655	6	0	0	0	0						
12	2558.96	161,409	615	24	639	1,222	1,222	1,260	81,436	66,218	7	0	0	0	0						
13	2559.23	162,976	537	21	558	1,400	1,400	1,362	82,188	66,970	6	0	0	0	0						
14	2559.50	164,553	569	20	589	1,463	1,463	1,538	83,058	67,840	10	0	0	0	0						
15	2559.69	166,847	517	20	537	1,752	1,752	1,630	84,093	68,875	7	0	0	0	0						
16	2560.26	169,043	517	19	536	1,675	1,675	1,652	85,177	69,959	4	0	0	0	0						
17	2560.56	170,837	558	19	577	1,530	1,530	1,579	86,130	70,912	6	0	0	0	0						
18	2560.84	172,522	618	24	642	1,533	1,533	1,479	86,926	71,708	5	0	0	0	0						
19	2561.05	173,793	655	24	679	1,373	1,373	1,430	87,624	72,406	6	0	0	0	0						
20	2561.26	175,069	685	24	709	1,383	1,383	1,425	88,309	73,091	4	0	0	0	0						
21	2561.53	176,720	613	25	638	1,518	1,518	1,371	88,994	73,776	5	0	0	0	0						
22	2561.72	177,888	557	25	582	1,211	1,211	1,313	89,685	74,467	4	0	0	0	0						
23	2561.88	178,874	652	24	676	1,211	1,211	1,256	90,227	75,009	4	0	0	0	0						
24	2562.08	180,111	665	25	690	1,345	1,345	1,290	90,796	75,578	3	0	0	0	0						
25	2562.28	181,354	624	23	647	1,313	1,313	1,340	91,450	76,232	4	0	0	0	0						
26	2562.50	182,730	600	23	623	1,362	1,362	1,403	92,184	76,966	5	0	0	0	0						
27	2562.76	184,360	636	25	661	1,534	1,534	1,555	93,027	77,809	5	0	0	0	0						
28	2563.08	186,381	693	24	707	1,770	1,770	1,759	94,035	78,817	5	0	0	0	0						
29	2563.43	188,608	759	24	783	1,973	1,973	1,905	95,090	79,872	7	0	0	0	0						
30	2563.81	191,043	798	25	823	2,096	2,096	2,096	96,318	81,100	5	0	0	0	0						
<b>TOTAL SECOND FOOT DAYS</b>											1,214	19,282	673	19,955	40,833	40,833	141	0	0	0	0
<b>TOTAL ACRE-FEET</b>											2,408	38,245	1,335	39,580	80,991	80,991	280	0	0	0	0

By:  Date: May 20, 2008

**REPORT OF THE KERN RIVER WATERMASTER**

APRIL 2008

Quantities in S.F.D. except where noted

PAGE 2 of 5

**NORTH KERN WATER STORAGE DISTRICT**

**BUENA VISTA WATER STORAGE DISTRICT**

**HACIENDA WATER DISTRICT**

DAY	FLOW ABOVE 1ST		ENT'L AT 1ST POINT	RESERVOIR STORAGE		ENT'L AT 2ND POINT	FLOW VIA		AT 2ND POINT	HACIENDA INC.	RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW	RESERVOIR STORAGE		DAY											
	POINT	POINT		LOSS	STORAGE		VIA KWDW	VIA CWD			LOSS	STORAGE	NKWSW	BVWSW		LOSS	STORAGE		LOSS	STORAGE									
Previous Day	867	566	17	19	47,078	265	20	0	0	2	5	13,681	0	0	677	0	677	1											
1	824	584	18	19	47,281	244	12	0	0	1	5	13,907	0	0	677	0	677	2											
2	816	631	18	19	47,429	241	13	0	0	1	5	14,129	0	0	677	0	677	3											
3	791	625	19	21	47,555	229	15	0	0	1	6	14,336	0	0	677	0	677	4											
4	820	557	19	18	47,781	242	8	0	0	1	6	14,563	0	0	677	0	677	5											
5	818	504	18	25	48,052	242	1	0	0	1	7	14,796	0	0	677	0	677	6											
6	879	569	19	22	48,321	270	1	0	0	1	7	15,057	0	0	677	0	677	7											
7	884	645	19	21	48,520	273	5	0	0	1	6	15,318	0	0	677	0	677	8											
8	913	747	25	21	48,640	286	4	0	0	1	6	15,593	0	0	677	0	677	9											
9	872	833	26	17	48,636	267	4	0	0	1	6	15,849	0	0	677	0	677	10											
10	867	861	23	20	48,599	265	7	0	0	1	6	16,100	0	0	677	0	677	11											
11	878	786	20	37	48,634	269	12	0	0	1	12	16,344	0	0	677	0	677	12											
12	955	604	23	43	48,919	305	11	0	0	1	14	16,623	0	0	676	1	676	13											
13	1,024	527	20	39	49,357	338	10	0	0	1	13	16,937	0	0	676	0	676	14											
14	1,144	562	19	58	49,862	394	7	0	0	1	20	17,303	0	0	675	1	675	15											
15	1,207	511	19	42	50,497	423	6	0	0	1	15	17,704	0	0	674	1	674	16											
16	1,222	505	18	24	51,172	430	12	0	0	1	8	18,113	0	0	674	0	674	17											
17	1,172	543	18	36	51,747	407	15	0	0	1	13	18,491	0	0	674	0	674	18											
18	1,104	606	23	30	52,192	375	12	0	0	1	11	18,842	0	0	674	0	674	19											
19	1,071	642	23	39	52,559	359	13	0	0	1	14	19,173	0	0	674	0	674	20											
20	1,067	672	23	23	52,908	358	13	0	0	1	8	19,509	0	0	674	0	674	21											
21	1,030	599	24	35	53,280	341	14	0	0	1	13	19,822	0	0	674	0	674	22											
22	981	541	24	29	53,677	322	16	0	0	1	11	20,116	0	0	674	0	674	23											
23	952	637	23	28	53,941	304	15	0	0	1	10	20,394	0	0	674	0	674	24											
24	975	651	24	23	54,218	315	14	0	0	1	8	20,686	0	0	674	0	674	25											
25	1,009	611	22	28	54,566	331	13	0	0	1	11	20,992	0	0	674	0	674	26											
26	1,052	589	22	33	54,974	351	11	0	0	1	13	21,318	0	0	674	0	674	27											
27	1,156	626	24	37	55,443	399	10	0	0	1	14	21,692	0	0	674	0	674	28											
28	1,295	674	23	32	56,009	464	9	0	0	1	12	22,134	0	0	674	0	674	29											
29	1,394	747	23	47	56,586	511	12	0	0	1	19	22,613	0	0	673	1	673	30											
30	1,519	786	24	32	57,263	577	12	0	0	1	13	23,164	0	0	673	0	673	30											
S.F.D.	30,701	18,975	643	898	57,263	10,132	307	0	0	30	312	23,164	0	0	673	4	673	S.F.D.											
AC.F.T.	60,894	37,636	1,275	1,781	113,579	20,097	609	0	0	60	619	45,945	0	0	1,335	8	1,335	AC.F.T.											
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
3,051,803										1,074,283										40,177									



**REPORT OF THE KERN RIVER WATERMASTER**

MAY 2008

Quantities in S.F.D. except where noted

DAY	ELEVATION	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRIANT-KERN INFLOW DAY	
		MIDNIGHT STORAGE	S.F.D.					+1ST POINT REGULATED FLOW	-1ST POINT REGULATED FLOW		Recreation Pool + Dead Storage = 15,216 S.F.D. (30,184 ACFT)	IRRIGATION			AT 2ND POINT KERN RIVER	FRIANT-KERN		
Previous Day	2563.81	191,043	96,318	45	798	25	823	2,096	2,096	2,096	96,318	81,100	5	0	0	0	0	
1	2564.11	192,980	97,294	46	836	24	860	1,882	1,882	1,882	97,294	82,076	5	0	0	0	0	
2	2564.40	194,863	98,243	50	711	24	735	1,734	1,734	1,753	98,262	83,044	5	0	0	0	0	
3	2564.72	196,955	99,298	47	664	24	688	1,790	1,790	1,762	99,289	84,071	5	0	0	0	0	
4	2565.02	198,926	100,292	45	699	23	722	1,761	1,762	1,685	100,284	85,066	4	0	0	0	0	
5	2565.25	200,448	101,059	51	891	25	916	1,734	1,734	1,685	101,002	85,784	5	0	0	0	0	
6	2565.43	201,643	101,662	48	887	22	909	1,560	1,560	1,632	101,677	86,459	5	0	0	0	0	
7	2565.61	202,842	102,266	63	910	24	934	1,601	1,601	1,641	102,321	87,103	6	0	0	0	0	
8	2565.85	204,447	103,075	50	882	22	904	1,763	1,763	1,694	103,061	87,843	5	0	0	0	0	
9	2566.11	206,196	103,957	58	753	25	778	1,718	1,718	1,743	103,968	88,750	5	0	0	0	0	
10	2566.40	208,157	104,946	60	677	23	700	1,749	1,749	1,778	104,986	89,768	5	0	0	0	0	
11	2566.69	210,129	105,940	51	800	23	823	1,868	1,868	1,860	105,972	90,754	5	0	0	0	0	
12	2566.95	211,906	106,836	57	987	24	1,011	1,964	1,964	1,939	106,843	91,625	5	0	0	0	0	
13	2567.21	213,692	107,736	59	1,004	23	1,027	1,986	1,986	1,945	107,702	92,484	5	0	0	0	0	
14	2567.44	215,280	108,537	62	996	25	1,021	1,884	1,884	1,983	108,602	93,384	5	0	0	0	0	
15	2567.73	217,292	109,551	70	970	25	995	2,079	2,079	2,154	109,691	94,473	6	0	0	0	0	
16	2568.15	220,225	111,030	78	918	24	942	2,499	2,499	2,471	111,142	95,924	7	0	0	0	0	
17	2568.70	224,102	112,985	79	774	28	802	2,836	2,836	2,814	113,075	97,857	7	0	0	0	0	
18	2569.28	228,233	115,068	80	919	25	944	3,107	3,107	3,017	115,068	99,850	6	0	0	0	0	
19	2569.89	232,627	117,283	85	1,059	27	1,086	3,386	3,386	3,386	117,283	102,065	7	0	0	0	0	
20	2570.60	237,802	119,892	94	1,050	26	1,076	3,779	3,779	3,779	119,892	104,674	7	0	0	0	0	
21	2571.12	241,634	121,824	85	967	24	991	3,008	3,008	3,008	121,824	106,606	6	0	0	0	0	
22	2571.54	244,755	123,397	43	984	25	1,009	2,625	2,625	2,625	123,397	108,179	3	0	0	0	0	
23	2571.84	246,999	124,529	34	969	26	995	2,161	2,161	2,161	124,529	109,311	2	0	0	0	0	
24	2572.07	248,726	125,399	30	846	25	871	1,771	1,771	1,771	125,399	110,181	2	43	43	0	0	
25	2572.24	250,009	126,046	26	984	25	1,009	1,682	1,682	1,684	125,998	110,780	2	163	163	0	0	
26	2572.34	250,764	126,427	26	1,104	26	1,130	1,537	1,537	1,569	126,411	111,193	2	205	205	0	0	
27	2572.43	251,446	126,771	39	1,081	23	1,104	1,487	1,487	1,467	126,735	111,517	3	193	193	0	0	
28	2572.49	251,901	127,000	41	1,080	26	1,106	1,376	1,376	1,387	126,975	111,757	3	209	209	0	0	
29	2572.50	251,977	127,038	46	1,189	26	1,215	1,299	1,299	1,311	127,025	111,807	3	304	304	0	0	
30	2572.49	251,901	127,000	52	1,219	26	1,245	1,259	1,259	1,272	127,000	111,782	4	343	343	0	0	
31	2572.49	251,901	127,000	56	1,136	25	1,161	1,217	1,217	1,217	127,000	111,782	4	405	405	0	0	
<b>TOTAL SECOND FOOT DAYS</b>				1,711	28,946	763	29,709	62,102	62,102	62,102	127,000	111,782	144	1,865	1,865	0	0	0
<b>TOTAL ACRE-FEET</b>				3,394	57,413	1,513	58,926	123,177	123,177	123,177	251,901	221,717	286	3,699	3,699	0	0	0

By: *[Signature]*

Date: June 20, 2008

REPORT OF THE KERN RIVER WATERMASTER

MAY 2008

Quantities in S.F.D. except where noted

PAGE 2 of 5

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

FLOW ABOVE 1ST PT. CARMEL La

DAY	ENTL AT 1ST		FLOW ABOVE 1ST		RESERVOIR		ENTL AT 2ND		FLOW VIA		RESERVOIR		ENTLMENT		RESERVOIR			
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	VIA	KWD	VIA	AT 2ND	POINT	INC.	LOSS	STORAGE		
Previous Day	1,519	786	24	32	57,263	577	12	0	0	0	0	13	23,164	0	673	1		
1	1,379	825	24	33	57,760	503	11	0	0	0	0	13	23,643	0	673	1		
2	1,291	701	24	36	58,290	462	10	0	0	0	0	14	24,061	0	673	2		
3	1,297	657	24	34	58,872	465	7	0	0	0	0	13	24,526	0	673	3		
4	1,297	691	23	32	59,423	465	8	0	0	0	0	13	24,970	0	673	4		
5	1,244	872	25	36	59,734	441	19	0	0	0	0	15	25,377	0	673	5		
6	1,208	873	22	34	60,013	424	14	0	0	0	0	14	25,773	0	673	6		
7	1,214	896	24	45	60,262	427	14	0	0	0	0	18	26,168	0	673	7		
8	1,251	865	22	35	60,591	443	17	0	0	0	0	15	26,579	0	673	8		
9	1,284	731	25	41	61,078	459	22	0	0	0	0	17	26,999	0	673	9		
10	1,308	658	23	42	61,663	470	19	0	0	0	0	18	27,432	0	673	10		
11	1,364	780	23	36	62,188	496	20	0	0	0	0	15	27,893	0	673	11		
12	1,418	972	24	40	62,570	521	15	0	0	0	0	17	28,362	0	673	12		
13	1,422	990	23	41	62,938	523	14	0	0	0	0	18	28,873	0	673	13		
14	1,448	978	25	43	63,340	535	18	0	0	0	0	19	29,371	0	673	14		
15	1,554	950	25	48	63,871	600	20	0	0	0	0	22	29,929	0	673	15		
16	1,750	900	24	53	64,644	721	18	0	0	0	0	24	30,608	1	672	16		
17	1,955	758	28	53	65,760	859	16	0	0	0	0	25	31,426	1	671	17		
18	2,075	898	25	54	66,858	942	21	0	0	0	0	25	32,322	1	670	18		
19	2,286	1,023	27	57	68,037	1,100	36	0	0	0	0	27	33,359	1	669	19		
20	2,503	1,012	26	63	69,439	1,276	38	0	0	0	0	30	34,567	1	668	20		
21	2,070	915	24	56	70,514	938	52	0	0	0	0	28	35,425	1	667	21		
22	1,843	943	25	29	71,360	782	41	0	0	0	0	14	36,152	0	667	22		
23	1,559	942	26	23	71,928	602	27	0	0	0	0	11	36,716	0	667	23		
24	1,303	784	25	20	72,402	468	19	0	43	0	0	10	37,112	0	667	24		
25	1,210	806	25	17	72,764	424	15	0	163	0	0	9	37,349	0	667	25		
26	1,165	873	26	17	73,013	404	26	0	205	0	0	9	37,513	0	667	26		
27	1,096	865	23	26	73,195	371	23	0	193	0	0	13	37,655	0	667	27		
28	1,041	850	26	27	73,333	346	21	0	209	0	0	14	37,757	0	667	28		
29	989	868	26	31	73,397	322	17	0	304	0	0	15	37,743	0	667	29		
30	963	861	26	35	73,438	309	15	0	343	0	0	17	37,677	0	667	30		
31	925	712	25	37	73,589	292	19	0	405	0	0	19	37,526	0	667	31		
S.F.D.	44,712	26,449	763	1,174	73,589	17,390	632	0	1,865	0	0	531	37,526	6	667	S.F.D.		
AC.F.T.	86,684	52,461	1,513	2,329	145,962	34,493	1,263	0	3,699	0	0	1,053	74,432	12	1,323	AC.F.T.		
TOTAL ACRE-FOOT STORAGE DAYS																4,058,704	1,925,757	41,220



**REPORT OF THE KERN RIVER WATERMASTER**

JUNE 2008

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST REGULATED FLOW	CHANGE IN STORAGE-LOSS		COMPUTED NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRIANT-KERN INFLOW DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET					+1ST POINT REGULATED FLOW	-1ST POINT REGULATED FLOW		TOTAL IRRIGATION	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)			RIVER	FRIANT-KERN	
Previous Day	2572.49	251,901	127,000	56	1,136	25	1,217	1,217	1,217	127,000	111,782	4	405	405	0	0
1	2572.53	252,203	127,152	71	1,168	28	1,419	1,419	1,419	127,152	111,934	5	418	418	0	0
2	2572.52	252,127	127,114	76	1,421	29	1,488	1,524	1,524	127,150	111,932	5	427	427	0	0
3	2572.50	251,977	127,038	83	1,560	28	1,595	1,634	1,634	127,113	111,895	6	421	421	0	0
4	2572.53	252,203	127,152	62	1,611	31	1,818	1,697	1,697	127,106	111,888	4	439	439	0	0
5	2572.56	252,431	127,267	62	1,472	28	1,500	1,677	1,677	127,236	112,018	4	398	398	0	0
6	2572.61	252,811	127,459	96	1,266	28	1,294	1,582	1,708	127,554	112,336	7	362	362	0	0
7	2572.76	253,951	128,034	81	1,181	29	1,210	1,866	1,761	128,024	112,806	6	390	390	0	0
8	2572.88	254,867	128,496	85	1,258	30	1,288	1,835	1,829	128,480	113,262	6	393	393	0	0
9	2572.93	255,249	128,688	90	1,474	30	1,504	1,786	1,784	128,670	113,452	6	384	384	0	0
10	2572.94	255,326	128,727	104	1,558	31	1,589	1,732	1,750	128,727	113,509	7	370	370	0	0
11	2573.05	256,166	129,150	102	1,445	28	1,473	1,998	1,998	129,150	113,932	7	315	315	0	0
12	2573.11	256,626	129,382	109	1,405	30	1,435	1,776	1,755	129,361	114,143	8	299	299	0	0
13	2573.19	257,240	129,692	123	1,250	29	1,279	1,712	1,729	129,688	114,470	8	246	246	0	0
14	2573.29	258,007	130,079	104	1,177	32	1,209	1,700	1,686	130,061	114,843	7	233	233	0	0
15	2573.34	258,392	130,273	95	1,324	32	1,356	1,645	1,653	130,263	115,045	7	239	239	0	0
16	2573.32	258,238	130,195	105	1,557	31	1,588	1,615	1,583	130,153	114,935	7	274	274	0	0
17	2573.26	257,776	129,962	100	1,592	31	1,623	1,490	1,528	129,958	114,740	7	300	300	0	0
18	2573.19	257,240	129,692	126	1,590	32	1,622	1,478	1,459	129,669	114,451	9	287	287	0	0
19	2573.11	256,626	129,382	123	1,564	31	1,595	1,408	1,418	129,369	114,151	9	289	289	0	0
20	2573.04	256,089	129,112	113	1,493	31	1,524	1,367	1,395	129,127	113,909	8	328	328	0	0
21	2573.07	256,319	129,228	116	1,146	32	1,178	1,410	1,370	129,203	113,985	8	262	262	0	0
22	2573.08	256,396	129,266	116	1,148	32	1,180	1,334	1,391	129,298	114,080	8	247	247	0	0
23	2573.06	256,243	129,189	123	1,350	32	1,382	1,428	1,340	129,133	113,915	9	239	239	0	0
24	2573.00	255,785	128,958	104	1,354	31	1,385	1,258	1,285	128,929	113,711	7	251	251	0	0
25	2572.92	255,173	128,650	97	1,350	32	1,382	1,171	1,217	128,667	113,449	7	263	263	0	0
26	2572.86	254,714	128,418	85	1,336	32	1,368	1,221	1,170	128,384	113,166	6	244	244	0	0
27	2572.79	254,180	128,149	85	1,269	34	1,303	1,119	1,144	128,140	112,922	6	232	232	0	0
28	2572.72	253,648	127,881	106	1,221	33	1,254	1,092	1,101	127,881	112,663	7	272	272	0	0
29	2572.61	252,811	127,459	97	1,260	36	1,296	971	971	127,459	112,241	7	240	240	0	0
30	2572.43	251,446	126,771	94	1,479	34	1,513	919	919	126,771	111,553	7	288	288	0	0
<b>TOTAL SECOND FOOT DAYS</b>				2,933	41,279	927	42,206	44,910	44,910	126,771	111,553	205	9,350	9,350	0	0
<b>TOTAL ACRE-FEET</b>				5,818	81,876	1,839	83,715	89,078	89,078	251,446	221,262	407	18,546	18,546	0	0

By: *AD*

Date: July 24, 2008



**REPORT OF THE KERN RIVER WATERMASTER**

JUNE 2008

Quantities in S.F.D. except where noted

PAGE 2 of 5

**NORTH KERN WATER STORAGE DISTRICT**

**BUENA VISTA WATER STORAGE DISTRICT**

**HACIENDA WATER DISTRICT**

DAY	ENTL POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR STORAGE			ENTL			FLOW			ENTITLEMENT			RESERVOIR STORAGE			DAY										
				LOSS	STORAGE	AT 2ND POINT	AT 2ND POINT	AT 2ND POINT	VIA KWD	VIA CWD	VIA	KWD	CWD	POINT	INC.	HACIENDA	CONTRIBUTED BY:	BYWSD		LOSS	STORAGE								
Previous Day	925	712	25	37	73,589	292	19	0	405	0	19	37,526	0	667	0	667	0	667	1										
1	1,063	750	27	48	73,827	356	0	0	418	1	23	37,440	0	667	1	667	0	667	1										
2	1,135	988	27	51	73,896	389	6	0	427	2	25	37,369	0	667	2	667	0	667	2										
3	1,210	1,128	27	56	73,895	424	11	0	421	1	27	37,333	0	667	3	667	0	667	3										
4	1,253	1,159	29	42	73,918	444	13	0	439	2	20	37,303	0	667	4	667	0	667	4										
5	1,249	1,065	26	42	74,034	443	9	0	398	2	20	37,317	0	667	5	667	0	667	5										
6	1,260	887	27	64	74,316	448	17	0	362	1	31	37,354	1	666	6	666	1	666	6										
7	1,296	777	27	55	74,753	465	14	0	390	2	26	37,387	0	666	7	666	0	666	7										
8	1,343	853	29	57	75,157	486	12	0	393	1	28	37,439	0	666	8	666	0	666	8										
9	1,312	1,080	28	61	75,300	472	10	0	384	2	29	37,486	0	666	9	666	0	666	9										
10	1,289	1,171	29	69	75,320	461	17	0	370	2	34	37,524	1	665	10	665	1	665	10										
11	1,458	1,108	27	68	75,575	540	22	0	315	1	33	37,693	1	664	11	664	1	664	11										
12	1,292	1,084	28	73	75,682	463	22	0	299	2	35	37,798	1	663	12	663	1	663	12										
13	1,274	994	28	82	75,852	455	10	0	246	1	40	37,956	1	662	13	662	1	662	13										
14	1,245	938	30	69	76,060	441	6	0	233	2	34	38,122	1	661	14	661	1	661	14										
15	1,223	1,079	30	63	76,111	430	6	0	239	2	31	38,274	1	660	15	660	1	660	15										
16	1,175	1,270	30	70	75,916	408	13	0	274	1	34	38,360	1	659	16	659	1	659	16										
17	1,137	1,280	29	66	75,678	391	12	0	300	2	33	38,404	1	658	17	658	1	658	17										
18	1,090	1,296	31	84	75,367	369	7	0	287	1	41	38,437	1	657	18	657	1	657	18										
19	1,062	1,269	29	81	75,040	356	6	0	289	2	41	38,455	1	656	19	656	1	656	19										
20	1,047	1,161	29	75	74,822	348	4	0	328	2	37	38,432	1	655	20	655	1	655	20										
21	1,030	883	31	77	74,861	340	1	0	262	1	38	38,470	1	654	21	654	1	654	21										
22	1,044	900	30	77	74,898	347	1	0	247	2	38	38,529	1	653	22	653	1	653	22										
23	1,009	1,109	31	81	74,686	331	2	0	239	1	41	38,577	1	652	23	652	1	652	23										
24	972	1,096	29	68	74,465	313	7	0	251	2	35	38,595	1	651	24	651	1	651	24										
25	925	1,079	30	64	74,217	292	8	0	263	2	32	38,582	1	650	25	650	1	650	25										
26	893	1,090	31	57	73,932	277	2	0	244	1	28	38,584	0	650	26	650	0	650	26										
27	876	1,037	32	57	73,682	268	0	0	232	2	28	38,590	0	650	27	650	0	650	27										
28	846	949	32	69	73,478	255	0	0	272	1	36	38,536	1	649	28	649	1	649	28										
29	758	1,016	34	63	73,123	213	4	0	240	2	33	38,470	1	648	29	648	1	648	29										
30	722	1,181	32	61	72,571	197	10	0	288	2	32	38,335	1	647	30	647	1	647	30										
S.F.D.	33,488	31,677	879	1,950	72,571	11,422	252	0	9,350	48	963	36,335	20	647	S.F.D.														
AC.F.T.	66,423	62,850	1,744	3,868	143,943	22,655	500	0	18,546	95	1,910	76,036	40	1,283	AC.F.T.														
TOTAL ACRE-FOOT STORAGE DAYS			4,443,810															TOTAL ACRE-FOOT STORAGE DAYS			2,263,439			TOTAL ACRE-FOOT STORAGE DAYS			39,199		

**REPORT OF THE KERN RIVER WATERMASTER**

**JUNE 2008  
WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN**

MONTH  
June

DAYS

PAGE NO.

TITLE OF COLUMN

COMMENT  
None



Estuine Creek Plash Flood  
July 13, 2008

**REPORT OF THE KERN RIVER WATERMASTER**

JULY 2008

PAGE 1 of 5

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	POOL LOSS RECREATION	KERN COUNTY RECREATION	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRIANT-KERN INFLOW
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-Feet				LOSS S.F.D.	REGULATED FLOW						REGULATED FLOW	AT 2ND POINT KERN	
Previous Day	2572.43	251,446	126,771	94	1,479	34	1,513	919	126,771	111,553	7	288	288	0	0
1	2572.20	249,707	125,894	107	1,555	35	1,590	820	125,894	110,676	8	336	336	0	0
2	2571.96	247,900	124,983	104	1,579	34	1,613	806	124,987	109,769	8	342	342	0	0
3	2571.75	246,326	124,189	109	1,470	34	1,504	819	124,201	108,983	8	337	337	0	0
4	2571.58	245,054	123,548	106	1,353	38	1,391	856	123,532	108,314	8	314	314	0	0
5	2571.43	243,936	122,984	101	1,233	39	1,272	809	122,956	107,738	7	315	315	0	0
6	2571.25	242,599	122,310	115	1,249	35	1,284	725	122,296	107,078	9	273	273	0	0
7	2571.03	240,968	121,488	107	1,359	38	1,397	682	121,510	106,292	8	270	270	0	0
8	2570.81	239,345	120,670	114	1,414	36	1,450	746	120,676	105,458	9	284	284	0	0
9	2570.57	237,582	119,781	138	1,479	34	1,513	687	119,712	104,494	11	285	285	0	0
10	2570.25	235,244	118,602	130	1,566	35	1,601	552	118,641	103,423	10	306	306	0	0
11	2569.96	233,135	117,539	134	1,557	38	1,595	666	117,552	102,334	11	282	282	0	0
12	2569.74	231,543	116,736	91	1,381	34	1,415	703	116,742	101,524	7	277	277	0	0
13	2569.53	230,028	115,973	44	1,410	29	1,439	714	115,973	100,755	4	359	359	0	0
14	2569.34	228,663	115,284	58	1,451	23	1,474	843	115,284	100,066	5	327	327	0	0
15	2569.20	227,662	114,780	74	1,188	17	1,205	775	114,752	99,534	6	87	87	0	0
16	2569.05	226,589	114,239	92	1,115	24	1,139	690	114,242	99,024	8	62	62	0	0
17	2568.91	225,593	113,737	103	1,070	26	1,096	694	113,737	98,519	8	126	126	0	0
18	2568.83	225,024	113,450	108	926	35	961	782	113,450	98,232	9	135	135	0	0
19	2568.72	224,244	113,056	117	914	36	950	649	113,032	97,814	10	131	131	0	0
20	2568.59	223,323	112,592	94	935	34	969	601	112,570	97,352	8	86	86	0	0
21	2568.38	221,841	111,845	93	1,153	32	1,185	531	111,822	96,604	8	99	99	0	0
22	2568.14	220,155	110,995	91	1,181	38	1,219	460	111,011	95,793	8	96	96	0	0
23	2567.91	218,546	110,184	93	1,190	35	1,225	507	110,168	94,950	8	136	136	0	0
24	2567.70	217,063	109,446	97	1,064	35	1,099	469	109,441	94,223	8	156	156	0	0
25	2567.50	215,696	108,747	112	991	38	1,029	442	108,718	93,500	10	188	188	0	0
26	2567.27	214,105	107,945	105	1,015	36	1,051	354	107,941	92,723	9	240	240	0	0
27	2567.01	212,316	107,043	120	1,089	35	1,124	342	107,047	91,829	11	290	290	0	0
28	2566.72	210,333	106,043	108	1,210	36	1,246	354	106,043	90,825	10	323	323	0	0
29	2566.40	208,157	104,946	101	1,316	34	1,350	354	104,943	89,725	9	353	353	0	0
30	2566.04	205,724	103,719	105	1,432	36	1,468	346	103,719	88,501	10	411	411	0	0
31	2565.66	203,176	102,435	108	1,471	38	1,509	333	102,435	87,217	10	450	450	0	0
<b>TOTAL SECOND FOOT DAYS</b>				3,179	39,316	1,047	40,363	19,206	102,435	87,217	263	7,676	7,676	0	0
<b>TOTAL ACRE-Feet</b>				6,305	77,982	2,077	80,059	38,095	203,176	172,992	522	15,225	15,225	0	0

By: 

Date: August 18, 2008

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JULY 2008

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENTL AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENTL AT 2ND		FLOW VIA		HACIENDA INC.		RESERVOIR STORAGE		ENTLMENT Contributed by:		RESERVOIR STORAGE				
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	VIA	KOWD	VIA	AT 2ND POINT	INC.	LOSS	STORAGE	NKWS	BVWS	LOSS	STORAGE	DAY	
Previous Day	722	1,181	32	72,571	61	72,571	197	0	10	0	288	2	32	38,335			1	647			
1	655	1,213	32	71,911	70	71,911	165	0	6	0	336	3	36	38,119			1	646	1		
2	648	1,230	31	71,230	68	71,230	162	0	7	0	342	3	35	37,894			1	645	2		
3	659	1,128	31	70,659	71	70,659	168	0	5	0	337	3	37	37,680			1	644	3		
4	660	1,033	35	70,182	69	70,182	168	0	6	0	314	3	36	37,489			1	643	4		
5	639	910	36	69,809	66	69,809	158	0	8	0	315	3	34	37,287			1	642	5		
6	599	959	32	69,342	75	69,342	140	0	17	0	273	3	39	37,095			1	641	6		
7	585	1,072	35	68,750	70	68,750	133	0	17	0	270	3	36	36,902			1	640	7		
8	593	1,107	33	68,129	74	68,129	137	0	23	0	284	3	39	36,690			1	639	8		
9	564	1,177	31	67,395	90	67,395	123	0	17	0	285	3	47	36,461			1	638	9		
10	545	1,237	32	66,586	85	66,586	115	0	23	0	306	3	44	36,200			1	637	10		
11	532	1,261	35	66,735	87	66,735	108	0	14	0	282	3	46	35,963			1	636	11		
12	570	1,089	31	65,126	59	65,126	126	0	15	0	277	3	31	35,763			1	635	12		
13	582	1,039	26	64,614	29	64,614	132	0	12	0	359	3	15	35,506			0	635	13		
14	670	1,107	21	64,118	38	64,118	173	0	17	0	327	2	20	35,313			0	635	14		
15	605	1,091	16	63,567	49	63,567	142	0	10	0	87	1	25	35,332			0	635	15		
16	587	1,041	23	63,031	59	63,031	134	0	12	0	62	1	32	35,359			1	634	16		
17	569	937	23	62,574	66	62,574	125	0	7	0	126	3	36	35,312			1	633	17		
18	629	779	32	62,323	69	62,323	153	0	12	0	135	3	38	35,277			1	632	18		
19	538	772	33	61,981	75	61,981	111	0	11	0	131	3	41	35,202			1	631	19		
20	505	838	31	61,557	60	61,557	96	0	11	0	86	3	33	35,165			1	630	20		
21	457	1,037	29	60,889	59	60,889	73	9	8	9	99	3	33	35,086			1	629	21		
22	436	927	35	60,305	58	60,305	63	150	8	150	96	3	32	34,860			1	628	22		
23	419	887	32	59,746	59	59,746	56	159	8	159	136	3	33	34,577			1	627	23		
24	415	736	32	59,331	62	59,331	54	157	15	157	156	3	34	34,266			1	626	24		
25	380	669	35	58,936	71	58,936	38	119	15	119	188	3	40	33,939			1	625	25		
26	354	642	33	58,548	67	58,548	25	118	15	118	240	3	37	33,551			1	624	26		
27	334	661	32	58,112	77	58,112	16	121	17	121	290	3	42	33,094			1	623	27		
28	334	759	33	57,585	69	57,585	16	121	7	121	323	3	38	32,618			1	622	28		
29	335	789	31	57,035	65	57,035	16	158	16	158	353	3	35	32,069			1	621	29		
30	333	842	33	56,425	68	56,425	16	163	16	163	411	3	36	31,456			1	620	30		
31	323	844	35	55,799	70	55,799	10	161	16	161	450	3	37	30,799			1	619	31		
S.F.D.	16,054	29,813	959	2,054	55,799	3,152	3,152	1,436	391	1,436	7,676	88	1,097	30,799			28	619	S.F.D.		
AC.F.T.	31,843	59,133	1,902	4,073	110,675	6,252	6,252	2,848	776	2,848	15,225	175	2,176	61,089			56	1,228	AC.F.T.		
TOTAL ACRE-FOOT STORAGE DAYS		3,910,074		TOTAL ACRE-FOOT STORAGE DAYS		2,166,592		TOTAL ACRE-FOOT STORAGE DAYS		38,906											

JULY 2008

WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO TITLE OF COLUMN COMMENT

July 21 2 BWSD VIA CWD

Delivered pursuant to terms of BUENA VISTA WATER STORAGE DISTRICT/Cawelo Water District Exchange Agreement dated July 21, 1983 as confirmed in Buena Vista WSD letter dated June 4, 2008

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

In order of Magnitude

Quantities in acre-feet

Table with columns for Year, Month (Apr-Jul), Total, % of Average, and % of Total. Rows list years from 1891 to 1925, showing monthly water quantities and percentages relative to averages and totals.

Summary statistics table: MAXIMUM 1,474,874, MINIMUM 8,274, AVERAGE 136,538. Also includes values for the current period: 481,746, 23,391, 96,693.

**REPORT OF THE KERN RIVER WATERMASTER**

AUGUST 2008

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE+LOSS		COMPUTED 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			LOSS S.F.D.	1ST POINT FLOW		REGULATED FLOW	1ST POINT FLOW			IRRIGATION	RECREATION	
Previous Day	2565.66	203,176	102,435	108	1,471	38	1,509	333	102,435	87,217	10	450	450	0
1	2565.29	200,712	101,192	98	1,423	35	1,458	313	101,197	85,979	9	466	466	0
2	2564.96	198,532	100,093	113	1,279	35	1,314	328	100,080	84,862	11	458	458	0
3	2564.62	196,299	98,967	110	1,272	34	1,306	300	98,964	83,746	11	459	459	0
4	2564.19	193,498	97,555	89	1,573	33	1,606	283	97,550	82,332	9	495	495	0
5	2563.75	190,658	96,123	86	1,584	33	1,617	271	96,115	80,897	9	469	469	0
6	2563.33	187,970	94,768	90	1,480	36	1,516	251	94,761	79,563	9	510	510	0
7	2562.90	185,243	93,393	98	1,537	33	1,570	293	93,380	78,162	10	581	581	0
8	2562.44	182,354	91,937	97	1,582	33	1,615	256	91,947	76,729	10	588	588	0
9	2562.03	179,801	90,650	94	1,446	34	1,480	287	90,647	75,429	10	555	555	0
10	2561.63	177,334	89,406	106	1,383	33	1,416	268	89,393	74,175	12	548	548	0
11	2561.19	174,644	88,050	88	1,473	34	1,507	239	88,070	72,852	10	552	552	0
12	2560.77	172,100	86,767	85	1,463	35	1,498	300	86,764	71,546	10	535	535	0
13	2560.38	169,760	85,587	95	1,345	33	1,378	293	85,580	70,362	11	485	485	0
14	2560.02	167,616	84,506	86	1,237	34	1,271	276	84,499	69,281	10	420	420	0
15	2559.72	165,845	83,614	107	1,008	35	1,043	258	83,619	68,401	13	320	320	0
16	2559.47	164,377	82,873	99	882	35	917	275	82,877	67,659	12	287	287	0
17	2559.22	162,918	82,138	94	896	33	929	288	82,113	66,895	12	225	225	0
18	2558.88	160,946	81,144	97	1,075	35	1,110	213	81,163	65,945	12	206	206	0
19	2558.55	159,046	80,186	89	1,107	34	1,141	245	80,178	64,960	11	191	191	0
20	2558.28	157,503	79,408	75	917	35	952	249	79,402	64,184	10	103	103	0
21	2558.06	156,254	78,778	70	758	34	792	232	78,782	63,564	9	24	24	0
22	2557.88	155,236	78,265	76	646	35	681	244	78,260	63,042	10	15	15	0
23	2557.72	154,336	77,811	75	572	35	607	228	77,817	62,599	10	0	0	0
24	2557.55	153,381	77,330	87	605	34	639	245	77,313	62,095	12	0	0	0
25	2557.33	152,152	76,710	75	704	34	738	193	76,716	61,498	10	0	0	0
26	2557.11	150,930	76,094	90	699	36	735	209	76,091	60,873	12	0	0	0
27	2556.88	149,660	75,454	72	730	36	766	198	75,455	60,237	10	0	0	0
28	2556.67	148,505	74,871	79	671	33	704	200	74,874	59,656	11	0	0	0
29	2556.42	147,139	74,183	83	778	35	813	208	74,177	58,959	12	0	0	0
30	2556.15	145,672	73,443	76	819	34	853	189	73,443	58,225	11	0	0	0
31	2555.90	144,323	72,763	109	723	33	796	185	72,763	57,545	16	0	0	0
TOTAL SECOND FOOT DAYS				2,788	33,667	1,061	34,728	7,844	72,763	57,545	334	8,492	8,492	0
TOTAL ACRE-FEET				5,530	66,177	2,104	68,881	15,558	144,323	114,139	662	16,843	16,843	0

By: *AKD* Date: September 18, 2008

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

AUGUST 2008

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENTL AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE	ENTL AT 2ND POINT	FLOW VIA		ENTL AT 2ND POINT	FLOW VIA		RESERVOIR STORAGE	ENTLMENT Contributed by:		FLOW FOR		RESERVOIR STORAGE	DAY
	POINT	POINT	POINT	POINT			LOSS	INC.		KDWD	CWD		AT 2ND POINT	HACIENDA INC.	La	LOSS		
Previous Day	323	844	35	70	55,799	10	16	161	450	3	37	30,799	0	0	0	0	619	
1	312	948	32	63	55,068	6	9	0	466	3	34	30,293	0	0	0	0	618	1
2	307	816	32	73	54,454	3	5	0	458	3	39	29,791	0	0	0	0	617	2
3	300	807	31	71	53,845	0	6	0	459	3	38	29,285	0	0	0	0	616	3
4	281	1,078	31	58	52,959	0	0	0	495	2	30	28,758	0	0	0	0	615	4
5	268	1,114	32	56	52,025	0	1	0	469	1	29	28,258	0	0	0	0	614	5
6	272	967	34	58	51,238	0	3	0	510	2	31	27,712	0	0	0	0	613	6
7	267	956	32	64	50,453	0	0	0	581	1	33	27,097	0	0	0	0	612	7
8	279	994	31	63	49,644	0	0	0	588	2	33	26,474	0	0	0	0	611	8
9	274	883	33	62	48,940	0	8	0	555	1	31	25,879	0	0	0	0	610	9
10	268	827	32	70	48,279	0	8	0	548	1	35	25,287	0	0	0	0	609	10
11	272	914	33	58	47,546	0	7	0	552	1	29	24,698	0	0	0	0	608	11
12	277	919	33	56	46,815	0	9	0	535	2	28	24,124	0	0	0	0	607	12
13	289	849	32	63	46,160	0	11	0	485	1	31	23,596	0	0	0	0	606	13
14	276	812	32	57	45,535	0	5	0	420	2	28	23,141	0	0	0	0	605	14
15	270	633	34	71	45,067	0	5	0	320	1	35	22,780	0	0	50	0	554	15
16	274	521	34	66	44,720	0	24	0	287	1	32	22,436	0	0	50	0	503	16
17	259	638	32	63	44,246	0	33	0	225	1	30	22,147	0	0	0	0	502	17
18	257	833	33	65	43,572	0	36	0	206	2	31	21,872	0	0	0	0	501	18
19	245	882	33	59	42,843	0	34	0	191	1	29	21,617	0	0	0	0	500	19
20	251	775	33	50	42,236	0	39	0	103	2	24	21,449	0	0	0	0	499	20
21	242	608	33	47	41,790	0	47	0	24	1	23	21,354	0	0	79	0	420	21
22	235	510	34	51	41,430	0	41	0	15	1	25	21,272	0	0	80	0	340	22
23	239	475	34	51	41,109	0	32	0	0	1	24	21,215	0	0	65	0	275	23
24	222	571	32	59	40,669	0	34	0	0	2	28	21,151	0	0	0	0	275	24
25	216	601	33	50	40,201	0	37	0	0	1	25	21,088	0	0	66	0	209	25
26	200	590	34	60	39,717	0	37	5	0	2	30	21,014	0	0	67	0	142	26
27	202	499	35	48	39,337	0	41	124	0	1	24	20,824	0	0	66	0	76	27
28	202	439	32	53	39,015	0	44	122	0	1	26	20,631	0	0	66	0	10	28
29	199	648	34	55	38,477	0	36	84	0	1	28	20,482	0	0	10	0	0	29
30	195	704	33	51	37,884	0	31	84	0	1	25	20,341	0	0	0	0	0	30
31	185	570	32	73	37,394	0	32	121	0	1	36	20,151	0	0	0	0	0	31
S.F.D.	7,835	23,381	1,015	1,844	37,394	9	655	540	8,492	46	924	20,151	0	0	599	0	20	0
AC.F.T.	15,540	46,377	2,014	3,657	74,170	18	1,298	1,071	16,843	90	1,833	39,969	0	0	1,188	0	40	0

TOTAL ACRE-FOOT STORAGE DAYS	2,782,150	TOTAL ACRE-FOOT STORAGE DAYS	1,460,264	TOTAL ACRE-FOOT STORAGE DAYS	26,513
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AUGUST 2008  
 WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

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

2008 APRIL-JULY UNIMPAIRED RUNOFF  
 Central Valley Streams

Watershed	(1) 50-Year Average	Median Forecast as of					(2) 2008 Actual	% of Average
		Feb 1	Mar. 1	Apr. 1	May 1			
April-July Flows in 1000 Acre-feet								
Sacramento River above Bend Bridge	2,494	2,190	2,180	2,120	1,860	1,501	60%	
Feather River at Oroville Reservoir	1,782	1,570	1,740	1,360	1,180	993	56%	
Yuba River at Smartville	1,006	870	960	810	630	632	63%	
American River at Folsom Reservoir	1,240	1,150	1,160	940	760	649	52%	
Cosumnes River at Michigan Bar	126	115	120	85	62	48	38%	
Mokelumne River at Pardee Reservoir	461	450	460	370	290	271	59%	
Stanislaus River at Melones Reservoir	702	670	700	590	500	441	63%	
Tuolumne River at Don Pedro Reservoir	1,220	1,180	1,220	1,010	870	785	64%	
Merced River at Lake McClure	632	580	610	490	400	410	65%	
San Joaquin River at Millerton Lake	1,254	1,210	1,240	1,040	880	825	66%	
Kings River at Pine Flat Reservoir	1,224	1,200	1,280	1,100	970	917	75%	
Kaweah River at Terminus Reservoir	286	270	320	260	230	223	78%	
Tule River at Success Reservoir	64	55	67	46	37	30	47%	
<b>KERN RIVER AT ISABELLA LAKE</b>	<b>461</b>	<b>430</b>	<b>500</b>	<b>380</b>	<b>330</b>	<b>331</b>	<b>72%</b>	

(1) All 50-year averages are based on data for water years 1956-2005 (2) Source: State of California Department of Water Resources



REPORT OF THE KERN RIVER WATERMASTER

SEPTEMBER 2008

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	RIO BRAVO WELL	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
		MIDNIGHT STORAGE ACRE-FEET	S.F.D.					LOSS	AT 1ST POINT		REGULATED	- RIO BRAVO WELL			+1ST POINT REGULATED	RECREATION Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	
Previous Day	2555.90	144,323	72,763	109	723	33	0	185	185	185	72,763	57,545	16	0	0	0	0
1	2555.70	143,250	72,222	85	604	32	0	180	181	181	72,223	57,005	12	0	0	0	1
2	2555.49	142,128	71,656	90	625	35	0	184	184	184	71,657	56,439	13	0	0	0	2
3	2555.29	141,064	71,120	76	617	31	0	188	184	184	71,117	55,899	11	0	0	0	3
4	2555.09	140,007	70,587	74	606	33	0	180	197	197	70,601	55,383	11	0	0	0	4
5	2554.92	139,113	70,136	76	566	33	0	224	199	199	70,125	54,907	12	0	0	0	5
6	2554.77	138,326	69,739	75	481	34	0	193	198	198	69,733	54,515	11	0	0	0	6
7	2554.61	137,491	69,318	83	484	32	0	178	178	178	69,312	54,094	13	0	0	0	7
8	2554.42	136,503	68,820	77	550	35	0	164	173	173	68,823	53,605	12	0	0	0	8
9	2554.24	135,572	68,351	73	541	31	0	176	167	167	68,345	53,127	11	0	0	0	9
10	2554.07	134,695	67,909	70	500	32	0	162	163	163	67,904	52,686	11	0	0	0	10
11	2553.92	133,926	67,521	66	442	34	0	152	166	166	67,530	52,312	10	0	0	0	11
12	2553.79	133,261	67,186	64	420	34	0	183	166	166	67,178	51,960	10	0	0	0	12
13	2553.65	132,548	66,826	68	424	31	0	163	168	168	66,823	51,605	11	0	0	0	13
14	2553.47	131,635	66,366	80	504	33	0	157	166	166	66,372	51,154	13	0	0	0	14
15	2553.28	130,674	65,882	84	549	30	0	179	173	173	65,882	50,664	14	0	0	0	15
16	2553.09	129,720	65,401	76	557	31	0	183	169	169	65,387	50,169	13	0	0	0	16
17	2552.91	128,820	64,947	57	519	27	0	146	163	163	64,950	49,732	9	0	0	0	17
18	2552.74	127,974	64,520	58	506	27	0	161	158	158	64,520	49,302	10	0	0	0	18
19	2552.60	127,279	64,170	47	444	28	0	166	158	158	64,162	48,944	8	0	0	0	19
20	2552.47	126,637	63,846	60	382	31	0	146	153	153	63,845	48,627	10	0	0	0	20
21	2552.35	126,046	63,548	42	374	30	0	145	151	151	63,553	48,335	7	0	0	0	21
22	2552.22	125,408	63,227	50	404	31	0	161	159	159	63,230	48,012	9	0	0	0	22
23	2552.10	124,820	62,930	72	370	29	0	171	173	173	62,935	47,717	12	0	0	0	23
24	2552.00	124,333	62,685	67	337	32	0	188	173	173	62,675	47,457	12	0	0	0	24
25	2551.90	123,846	62,439	57	324	29	0	161	174	174	62,442	47,224	10	0	0	0	25
26	2551.82	123,457	62,243	52	289	30	0	172	161	161	62,235	47,017	9	0	0	0	26
27	2551.73	123,022	62,024	55	289	29	0	151	160	160	62,025	46,807	10	0	0	0	27
28	2551.64	122,587	61,804	55	291	33	0	156	158	158	61,807	46,589	10	0	0	0	28
29	2551.55	122,153	61,586	44	314	29	0	166	163	163	61,586	46,368	8	0	0	0	29
30	2551.47	121,769	61,392	51	295	30	0	179	179	179	61,392	46,174	9	0	0	0	30
TOTAL SECOND FOOT DAYS				1,984	13,608	936	42	5,115	5,115	5,115	61,392	46,174	321	0	0	0	0
TOTAL ACRE-FEET				3,935	26,991	1,857	83	10,145	10,145	10,145	121,769	91,585	637	0	0	0	0

By: *AD*

Date: October 17, 2008

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

SEPTEMBER 2008

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENT'L AT 1ST POINT		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE		ENT'L AT 1ST POINT		FLOW VIA		RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW		DAY		
	185	570	32	37,394	0	0	121	0	1	36	20,151	NKMSD	BWMSD	LOSS	STORAGE	RESERVOIR STORAGE		LOSS	STORAGE
Previous Day																			
1	181	460	32	37,027	0	0	33	111	0	29	19,978	0	0	0	0	0	0	0	1
2	184	477	35	36,639	0	0	34	114	0	30	19,800	0	0	0	0	0	0	0	2
3	184	466	31	36,276	0	0	33	118	0	26	19,623	0	0	0	0	0	0	0	3
4	197	492	33	35,899	0	0	35	79	0	25	19,484	0	0	0	0	0	0	0	4
5	199	450	33	35,565	0	0	33	83	0	26	19,342	0	0	0	0	0	0	0	5
6	198	376	34	35,303	0	0	27	78	0	25	19,212	0	0	0	0	0	0	0	6
7	178	382	32	35,012	0	0	30	72	0	28	19,082	0	0	0	0	0	0	0	7
8	173	440	35	34,659	0	0	29	81	0	26	18,946	0	0	0	0	0	0	0	8
9	167	469	31	34,278	0	0	24	48	0	25	18,849	0	0	0	0	0	0	0	9
10	163	449	34	33,912	0	0	20	31	0	24	18,774	0	0	0	0	0	0	0	10
11	166	422	32	33,580	0	0	20	0	0	22	18,732	0	0	0	0	0	0	0	11
12	166	401	34	33,269	0	0	19	0	0	22	18,691	0	0	0	0	0	0	0	12
13	168	405	31	32,956	0	0	19	0	0	23	18,649	0	0	0	0	0	0	0	13
14	166	486	33	32,550	0	0	18	0	0	27	18,604	0	0	0	0	0	0	0	14
15	173	522	30	32,116	0	0	27	0	0	29	18,548	0	0	0	0	0	0	0	15
16	169	433	31	31,771	0	0	35	89	0	26	18,398	0	0	0	0	0	0	0	16
17	163	381	27	31,492	0	0	37	101	0	20	18,240	0	0	0	0	0	0	0	17
18	158	369	27	31,219	0	0	38	99	0	20	18,083	0	0	0	0	0	0	0	18
19	158	345	28	30,976	0	0	34	65	0	16	17,968	0	0	0	0	0	0	0	19
20	153	293	31	30,769	0	0	25	64	0	21	17,858	0	0	0	0	0	0	0	20
21	151	310	30	30,556	0	0	0	64	0	15	17,779	0	0	0	0	0	0	0	21
22	159	337	31	30,317	0	0	4	63	0	17	17,695	0	0	0	0	0	0	0	22
23	173	337	29	30,080	0	0	5	28	0	25	17,637	0	0	0	0	0	0	0	23
24	173	304	32	29,876	0	0	5	28	0	23	17,581	0	0	0	0	0	0	0	24
25	174	288	29	29,699	0	0	5	31	0	20	17,525	0	0	0	0	0	0	0	25
26	161	256	30	29,543	0	0	5	28	0	18	17,474	0	0	0	0	0	0	0	26
27	160	257	29	29,384	0	0	5	27	0	19	17,423	0	0	0	0	0	0	0	27
28	158	260	33	29,216	0	0	5	26	0	19	17,373	0	0	0	0	0	0	0	28
29	163	282	29	29,042	0	0	5	27	0	15	17,326	0	0	0	0	0	0	0	29
30	179	262	30	28,899	0	0	5	28	0	18	17,275	0	0	0	0	0	0	0	30
S.F.D.	5,115	11,411	936	28,899	0	0	614	1,583	0	679	17,275	0	0	0	0	0	0	0	S.F.D.
AC.F.T.	10,145	22,632	1,857	2,988	57,321	0	1,218	3,141	0	1,347	34,264	0	0	0	0	0	0	0	AC.F.T.
TOTAL ACRE-FOOT STORAGE DAYS																	1,927,695	1,094,774	0

TOTAL ACRE-FOOT STORAGE DAYS

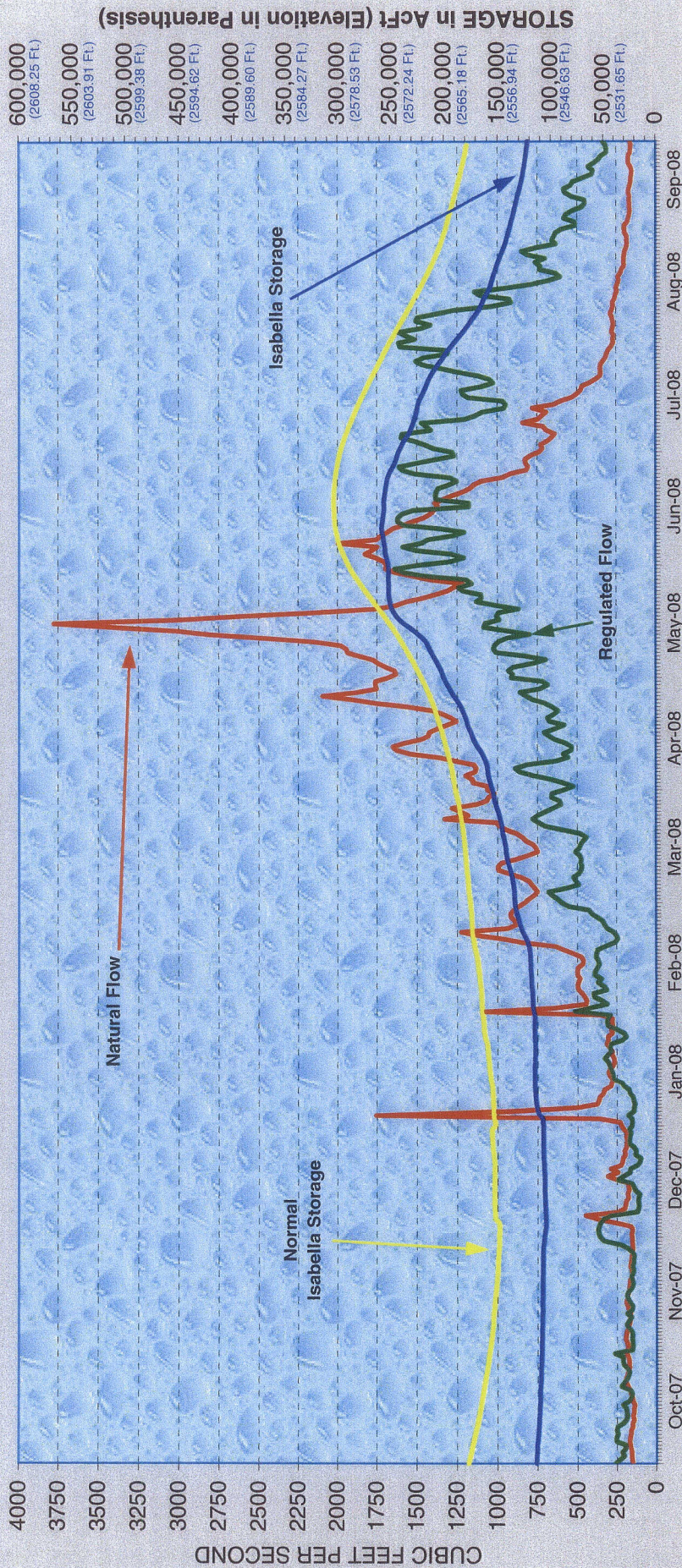
**REPORT OF THE KERN RIVER WATERMASTER**

SEPTEMBER 2008  
 WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
September	17-30	1	RIO BRAVO WELL	Reflects well water discharge to Kern River pursuant to terms of Kern River Watermaster/Nickel Family LLC "Agreement for Transportation and Delivery of Rio Bravo Well Water" dated September 15, 2008.

**KERN RIVER NATURAL FLOW, REGULATED FLOW, & ISABELLA RESERVOIR STORAGE**

2007 - 2008 WATER YEAR



**REPORT OF THE KERN RIVER WATERMASTER**

OCTOBER 2008

Quantities in S.F.D. except where noted PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR MIDNIGHT STORAGE	RESERVOIR S.F.D.	LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	RIO BRAVO WELL	CHANGE IN STORAGE		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRONT-KERN INFLOW DAY	
									+1ST POINT REGULATED - RIO BRAVO WELL	+1ST POINT REGULATED - RIO BRAVO WELL					AT 2ND POINT	RIVER		
Previous Day	2551.47	121,769	61,392	51	295	30	325	3	179	179	179	61,392	46,174	9	0	0	0	0
1	2551.39	121,384	61,198	49	288	28	316	3	188	173	173	61,203	45,985	9	0	0	0	0
2	2551.32	121,049	61,029	58	271	27	298	3	184	172	172	61,022	45,804	10	0	0	0	0
3	2551.24	120,667	60,836	56	277	26	303	3	163	170	170	60,836	45,618	10	0	0	0	0
4	2551.18	120,381	60,692	30	247	29	276	0	162	170	170	60,700	45,482	5	0	0	0	0
5	2551.12	120,095	60,548	30	271	27	298	0	184	166	166	60,538	45,320	5	0	0	0	0
6	2551.04	119,714	60,356	50	273	20	293	0	151	170	170	60,365	45,147	9	0	0	0	0
7	2550.97	119,383	60,189	48	271	24	295	0	176	162	162	60,184	44,966	9	0	0	0	0
8	2550.88	118,956	59,974	52	298	24	322	0	159	166	166	59,976	44,758	9	0	0	0	0
9	2550.78	118,483	59,735	50	327	26	353	0	184	165	165	59,738	44,520	9	0	0	0	0
10	2550.69	118,060	59,522	48	306	30	336	0	171	170	170	59,524	44,306	9	0	0	0	0
11	2550.63	117,778	59,380	26	285	26	291	0	175	170	170	59,377	44,159	5	0	0	0	0
12	2550.58	117,543	59,261	24	237	23	280	0	165	173	173	59,266	44,048	4	0	0	0	0
13	2550.52	117,261	59,119	53	245	23	288	0	179	174	174	59,119	43,901	10	0	0	0	0
14	2550.45	116,935	58,955	50	272	21	293	0	179	183	183	58,959	43,741	9	0	0	0	0
15	2550.41	116,748	58,860	46	218	22	240	0	191	187	187	58,860	43,642	9	0	0	0	0
16	2550.36	116,514	58,743	58	225	24	249	0	190	191	191	58,744	43,526	11	0	0	0	0
17	2550.29	116,188	58,578	73	262	21	283	0	190	187	187	58,575	43,357	14	0	0	0	0
18	2550.22	115,863	58,414	44	279	22	301	0	181	182	182	58,412	43,194	8	0	0	0	0
19	2550.14	115,492	58,227	38	302	22	324	0	175	180	180	58,230	43,012	7	0	0	0	0
20	2550.06	115,121	58,040	35	316	21	337	0	185	185	185	58,043	42,825	7	0	0	0	0
21	2549.98	114,752	57,854	38	319	23	342	0	194	189	189	57,852	42,634	7	0	0	0	0
22	2549.89	114,337	57,645	67	306	24	330	0	188	187	187	57,642	42,424	13	0	0	0	0
23	2549.80	113,923	57,436	62	306	21	327	0	180	183	183	57,436	42,218	12	0	0	0	0
24	2549.72	113,557	57,252	36	305	23	328	0	180	185	185	57,257	42,039	7	0	0	0	0
25	2549.64	113,190	57,067	45	313	22	335	0	195	186	186	57,063	41,845	9	0	0	0	0
26	2549.55	112,779	56,859	52	317	21	338	0	182	191	191	56,864	41,646	10	0	0	0	0
27	2549.46	112,370	56,653	45	334	23	357	0	196	185	185	56,647	41,429	9	0	0	0	0
28	2549.37	111,961	56,447	46	316	22	338	0	178	184	184	56,447	41,229	9	0	0	0	0
29	2549.29	111,598	56,264	43	295	22	317	0	177	178	178	56,265	41,047	8	0	0	0	0
30	2549.23	111,327	56,127	34	262	21	283	0	180	179	179	56,127	40,909	7	0	0	0	0
31	2549.21	111,237	56,082	18	219	22	241	0	214	214	214	56,082	40,884	4	0	0	0	0
<b>TOTAL SECOND FOOT DAYS</b>		1,404	8,742	730	9,472	9	18,787	17	11,022	5,557	5,557	56,082	40,884	263	0	0	0	0
<b>TOTAL ACRE-FEET</b>		2,785	17,339	1,448	18,787	17	11,022	11,022	11,022	11,022	11,022	111,237	81,053	522	0	0	0	0

By: *ASL* Date: November 20, 2008

REPORT OF THE KERN RIVER WATERMASTER

OCTOBER 2008

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		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE		ENT'L AT 1ST POINT		FLOW ABOVE 1ST PT. CARMEL		RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW		RESERVOIR STORAGE	
	179	262	30	28,899	0	5	28	0	0	18	17,275	0	0	0	0	0	0	0
Previous Day	179	262	30	28,899	0	5	28	0	0	18	17,275	0	0	0	0	0	0	0
1	173	256	28	28,759	0	0	32	0	0	17	17,226	0	0	0	0	0	0	1
2	172	260	26	28,610	0	0	11	0	1	20	17,194	0	0	0	0	0	0	2
3	170	266	26	28,455	0	0	11	0	0	20	17,163	0	0	0	0	0	0	3
4	170	247	29	28,330	0	0	0	0	0	11	17,152	0	0	0	0	0	0	4
5	166	271	26	28,180	0	0	0	0	1	11	17,140	0	0	0	0	0	0	5
6	170	257	20	28,041	0	0	16	0	0	18	17,106	0	0	0	0	0	0	6
7	162	235	24	27,913	0	0	36	0	0	17	17,053	0	0	0	0	0	0	7
8	166	265	23	27,758	0	0	33	0	1	19	17,000	0	0	0	0	0	0	8
9	165	292	26	27,573	0	0	35	0	0	18	16,947	0	0	0	0	0	0	9
10	170	268	30	27,414	0	0	38	0	0	17	16,892	0	0	0	0	0	0	10
11	170	227	26	27,314	0	0	0	0	0	9	16,845	0	0	0	0	0	0	11
12	173	204	22	27,246	0	0	33	0	1	9	16,802	0	0	0	0	0	0	12
13	174	201	23	27,162	0	0	44	0	0	19	16,739	0	0	0	0	0	0	13
14	183	234	21	27,058	0	0	38	0	0	18	16,683	0	0	0	0	0	0	14
15	187	202	21	26,992	0	0	16	0	1	16	16,650	0	0	0	0	0	0	15
16	191	208	24	26,914	0	0	17	0	0	21	16,612	0	0	0	0	0	0	16
17	187	240	21	26,793	0	0	22	0	0	26	16,564	0	0	0	0	0	0	17
18	182	259	21	26,667	0	0	20	0	1	16	16,527	0	0	0	0	0	0	18
19	180	282	22	26,519	0	0	20	0	0	14	16,493	0	0	0	0	0	0	19
20	185	290	21	26,370	0	0	26	0	0	12	16,455	0	0	0	0	0	0	20
21	189	298	22	26,215	0	0	21	0	1	14	16,419	0	0	0	0	0	0	21
22	187	285	24	26,050	0	0	21	0	0	24	16,374	0	0	0	0	0	0	22
23	183	280	21	25,892	0	0	3	23	0	22	16,326	0	0	0	0	0	0	23
24	185	282	22	25,750	0	0	3	20	1	13	16,289	0	0	0	0	0	0	24
25	186	275	22	25,610	0	0	38	0	0	16	16,235	0	0	0	0	0	0	25
26	191	280	21	25,467	0	0	0	37	0	19	16,179	0	0	0	0	0	0	26
27	185	289	22	25,312	0	0	7	38	0	16	16,117	0	0	0	0	0	0	27
28	184	271	22	25,174	0	0	8	37	0	17	16,055	0	0	0	0	0	0	28
29	178	250	22	25,053	0	0	6	39	0	16	15,994	0	0	0	0	0	0	29
30	179	223	20	24,967	0	0	7	32	0	12	15,942	0	0	0	0	0	0	30
31	214	181	22	24,966	0	0	5	33	0	6	15,898	0	0	0	0	0	0	31
S.F.D.	5,557	7,878	720	24,966	0	39	825	0	10	503	15,898	0	0	0	0	0	0	S.F.D.
AC.F.T.	11,022	15,626	1,428	1,787	49,520	0	77	1,636	0	998	31,533	0	0	0	0	0	0	AC.F.T.
TOTAL ACRE-FOOT STORAGE DAYS	1,647,319																	
TOTAL ACRE-FOOT STORAGE DAYS	1,021,628																	
TOTAL ACRE-FOOT STORAGE DAYS	0																	

**REPORT OF THE KERN RIVER WATERMASTER**

OCTOBER 2008  
 WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
October	1-3	1	RIO BRAVO WELL	Reflects well water discharge to Kern River pursuant to terms of Kern River Watermaster/Nickel Family LLC "Agreement for Transportation and Delivery of Rio Bravo Well Water" dated September 15, 2008.

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

**2008 WATER YEAR**

Quantities in acre-feet

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
+ Kern River Natural Flow	9,951	10,100	13,065	22,580	36,754	56,727	80,991	123,177	89,078	38,095	15,558	10,145	506,221
- Isabella Reservoir Evaporation	2,818	1,872	891	863	877	1,551	2,408	3,394	5,818	6,305	5,530	3,935	36,262
- Into Isabella Storage	0	0	176	7,863	15,925	20,811	39,003	60,857	0	0	0	0	144,635
+ From Isabella Storage	5,809	1,417	0	0	0	0	0	0	455	48,269	58,853	22,555	137,158
+ Rio Bravo Well	0	0	0	0	0	0	0	0	0	0	0	83	83
Kern River via Kern River/ California Aqueduct Inter tie	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Absorption within Kern River Service Area	12,742	9,645	11,998	13,854	19,952	34,365	39,580	58,926	83,715	80,059	68,881	28,848	462,565
Accumulative Absorption within Kern River Service Area	12,742	22,387	34,385	48,239	68,191	102,556	142,136	201,062	284,777	364,836	433,717	462,565	

Quantities in S.F.D. except where noted

REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 2008

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 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
		MIDNIGHT STORAGE	LOSS				+1ST POINT REGULATED FLOW	-1ST POINT NATURAL FLOW					TOTAL IRRIGATION	RIVER	
Previous Day	2549.21	111,237	56,082	18	219	241	214	214	214	56,082	40,864	0	0	0	0
1	2549.24	111,373	56,151	4	227	236	309	309	309	56,151	40,933	1	0	0	0
2	2549.27	111,507	56,218	2	248	262	331	331	331	56,218	41,000	0	0	0	0
3	2549.30	111,643	56,287	2	320	341	412	412	412	56,287	41,069	0	0	0	0
4	2549.28	111,553	56,241	2	331	350	306	306	300	56,235	41,017	0	0	0	0
5	2549.26	111,462	56,195	22	293	313	289	293	293	56,193	40,975	4	0	0	0
6	2549.26	111,462	56,195	24	243	261	285	274	274	56,182	40,964	5	0	0	0
7	2549.25	111,418	56,173	42	208	228	248	264	264	56,176	40,958	8	0	0	0
8	2549.26	111,462	56,195	24	193	213	259	262	262	56,201	40,983	5	0	0	0
9	2549.28	111,553	56,241	11	202	221	278	270	270	56,239	41,021	2	0	0	0
10	2549.28	111,553	56,241	15	240	260	275	266	266	56,230	41,012	3	0	0	0
11	2549.26	111,462	56,195	15	257	277	246	265	265	56,203	40,985	3	0	0	0
12	2549.26	111,462	56,195	17	237	257	274	260	260	56,189	40,971	3	0	0	0
13	2549.26	111,462	56,195	9	231	250	259	280	280	56,210	40,992	2	0	0	0
14	2549.27	111,507	56,218	33	231	252	308	293	293	56,218	41,000	6	0	0	0
15	2549.27	111,507	56,218	64	227	248	312	307	307	56,213	40,995	13	0	0	0
16	2549.26	111,462	56,195	66	238	257	300	304	304	56,194	40,976	13	0	0	0
17	2549.24	111,373	56,151	56	268	287	299	293	293	56,144	40,926	11	0	0	0
18	2549.22	111,282	56,105	40	266	287	281	281	281	56,098	40,880	8	0	0	0
19	2549.20	111,192	56,059	24	263	284	262	261	261	56,051	40,833	5	0	0	0
20	2549.17	111,056	55,991	24	264	284	240	246	246	55,989	40,771	5	0	0	0
21	2549.14	110,921	55,923	20	264	284	236	235	235	55,920	40,702	4	0	0	0
22	2549.12	110,830	55,877	22	233	252	228	237	237	55,883	40,665	4	0	0	0
23	2549.11	110,785	55,854	24	226	246	247	240	240	55,853	40,635	5	0	0	0
24	2549.10	110,740	55,831	38	210	230	245	248	248	55,833	40,615	8	0	0	0
25	2549.09	110,695	55,809	20	237	254	252	250	250	55,809	40,591	4	0	0	0
26	2549.16	111,011	55,968	15	258	273	447	447	447	55,968	40,750	3	0	0	0
27	2549.15	110,966	55,945	13	285	300	290	285	285	55,940	40,722	3	0	0	0
28	2549.14	110,921	55,923	13	270	283	274	281	281	55,925	40,707	3	0	0	0
29	2549.13	110,876	55,900	20	268	283	280	278	278	55,900	40,682	4	0	0	0
30	2549.12	110,830	55,877	27	247	261	265	265	265	55,877	40,659	5	0	0	0
TOTAL SECOND FOOT DAYS				708	7,485	8,034	8,537	8,537	8,537	55,877	40,659	140	0	0	0
TOTAL ACRE-FEET				1,404	14,846	15,935	16,933	16,933	16,933	110,830	80,646	278	0	0	0

By: *Ad*

Date: December 15, 2008





REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 2008

WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
November	17-26	1	FRIANT-KERN INFLOW	Denotes operational spill to Kern River Channel as reported by Friant Water Authority.



View of Isabella Auxiliary Dam showing partially exposed section of Borel Canal in foreground (photo taken December 8, 2008)

**REPORT OF THE KERN RIVER WATERMASTER**

DECEMBER 2008

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	RESERVOIR MIDNIGHT STORAGE ACRE-FEET	S.F.D. LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE TOTAL	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW	DAY
							+1ST POINT REGULATED FLOW	-1ST POINT REGULATED FLOW					KERN RIVER	FRIANT-KERN		
Previous Day	2549.12	110,830	55,877	247	14	261	265	265	265	55,877	40,659	0	0	0	0	0
1	2549.11	110,785	55,854	18	14	255	250	250	250	55,854	40,636	0	0	0	0	1
2	2549.09	110,695	55,809	25	15	260	240	238	238	55,807	40,589	0	0	0	0	2
3	2549.07	110,605	55,763	30	14	250	234	239	239	55,766	40,548	0	0	0	0	3
4	2549.06	110,560	55,741	18	14	247	243	250	250	55,751	40,533	0	0	0	0	4
5	2549.04	110,470	55,695	44	15	276	274	246	246	55,677	40,459	0	0	0	0	5
6	2549.00	110,291	55,605	35	14	275	220	257	257	55,624	40,406	0	0	0	0	6
7	2549.00	110,291	55,605	16	15	262	278	240	240	55,586	40,368	0	0	0	0	7
8	2548.99	110,246	55,582	16	14	230	223	249	249	55,589	40,371	0	0	0	0	8
9	2548.99	110,246	55,582	28	15	219	247	233	233	55,575	40,357	0	0	0	0	9
10	2548.98	110,201	55,560	30	14	221	229	232	232	55,556	40,338	0	0	0	0	10
11	2548.97	110,156	55,537	18	14	225	220	215	215	55,528	40,310	0	0	0	0	11
12	2548.96	110,112	55,515	19	15	198	195	209	209	55,520	40,302	0	0	0	0	12
13	2548.99	110,246	55,582	30	14	114	211	206	206	55,582	40,364	0	0	0	0	13
14	2549.10	110,740	55,831	11	14	109	369	369	369	55,831	40,613	0	0	0	0	14
15	2549.16	111,011	55,968	9	15	120	266	264	264	55,966	40,748	0	0	0	0	15
16	2549.22	111,282	56,105	5	15	118	260	252	252	56,095	40,877	0	0	0	0	16
17	2549.27	111,507	56,218	7	15	109	229	240	240	56,219	41,001	0	0	0	0	17
18	2549.32	111,734	56,333	11	15	106	232	232	232	56,334	41,116	0	0	0	0	18
19	2549.37	111,961	56,447	16	15	104	234	240	240	56,454	41,236	0	0	0	0	19
20	2549.43	112,233	56,584	14	15	104	255	233	233	56,569	41,351	0	0	0	0	20
21	2549.47	112,416	56,676	16	14	101	209	224	224	56,676	41,458	0	0	0	0	21
22	2549.59	112,962	56,952	14	15	100	390	390	390	56,952	41,734	0	0	0	0	22
23	2549.69	113,419	57,182	11	16	104	345	319	319	57,156	41,938	0	0	0	0	23
24	2549.76	113,739	57,343	7	14	100	268	294	294	57,343	42,125	0	0	0	0	24
25	2549.90	114,383	57,668	4	14	108	437	437	437	57,668	42,450	0	0	0	0	25
26	2550.01	114,890	57,924	2	15	112	370	349	349	57,903	42,685	0	0	0	0	26
27	2550.09	115,260	58,110	11	15	110	307	328	328	58,110	42,892	0	0	0	0	27
28	2550.17	115,631	58,297	13	15	106	306	314	314	58,305	43,087	0	0	0	0	28
29	2550.26	116,048	58,508	15	16	104	330	327	327	58,513	43,295	0	0	0	0	29
30	2550.36	116,514	58,743	13	15	97	345	340	340	58,743	43,525	0	0	0	0	30
31	2550.44	116,888	58,931	9	15	126	323	323	323	58,931	43,713	0	0	0	0	31
<b>TOTAL SECOND FOOT DAYS</b>				515	455	4,970	8,539	8,539	8,539	58,931	43,713	0	0	0	0	0
<b>TOTAL ACRE-FEET</b>				1,021	902	9,857	16,937	16,937	16,937	116,888	86,704	0	0	0	0	0

By: *AKL*

Date: January 15, 2009

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

DECEMBER 2008

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT									
DAY	ENTL		FLOW ABOVE		RESERVOIR		ENTL		FLOW		RESERVOIR		ENTL		FLOW		RESERVOIR		ENTL		FLOW		RESERVOIR						
	POINT	AT 1ST	1ST	POINT	LOSS	STORAGE	AT 1ST	POINT	VIA	VIA	AT 2ND	INC.	POINT	AT 1ST	POINT	POINT	LOSS	STORAGE	AT 1ST	POINT	POINT	POINT	LOSS	STORAGE	DAY				
Previous Day	265	247	14	17	25,128	0	0	0	0	0	0	0	0	0	0	0	10	15,531	0	0	0	0	0	0	0				
1	250	241	14	12	25,111	0	0	0	0	0	0	0	0	0	0	0	6	15,525	0	0	0	0	0	0	1				
2	238	245	15	16	25,073	0	0	0	0	0	0	0	0	0	0	0	9	15,516	0	0	0	0	0	0	2				
3	239	236	14	19	25,043	0	0	0	0	0	0	0	0	0	0	0	11	15,505	0	0	0	0	0	0	3				
4	250	233	14	12	25,034	0	0	0	0	0	0	0	0	0	0	0	6	15,499	0	0	0	0	0	0	4				
5	246	261	15	28	24,976	0	0	0	0	0	0	0	0	0	0	0	16	15,483	0	0	0	0	0	0	5				
6	257	261	14	23	24,935	0	0	0	0	0	0	0	0	0	0	0	12	15,471	0	0	0	0	0	0	6				
7	240	247	15	10	24,903	0	0	0	0	0	0	0	0	0	0	0	6	15,465	0	0	0	0	0	0	7				
8	249	216	14	10	24,912	0	0	0	0	0	0	0	0	0	0	0	6	15,459	0	0	0	0	0	0	8				
9	233	204	15	18	24,908	0	0	0	0	0	0	0	0	0	0	0	10	15,449	0	0	0	0	0	0	9				
10	232	207	14	19	24,900	0	0	0	0	0	0	0	0	0	0	0	11	15,438	0	0	0	0	0	0	10				
11	215	211	14	12	24,878	0	0	0	0	0	0	0	0	0	0	0	6	15,432	0	0	0	0	0	0	11				
12	209	183	15	12	24,877	0	0	0	0	0	0	0	0	0	0	0	7	15,425	0	0	0	0	0	0	12				
13	206	100	14	19	24,950	0	0	0	0	0	0	0	0	0	0	0	11	15,414	0	0	0	0	0	0	13				
14	369	95	14	7	25,203	0	0	0	0	0	0	0	0	0	0	0	4	15,410	0	0	0	0	0	0	14				
15	264	105	15	6	25,341	0	0	0	0	0	0	0	0	0	0	0	3	15,407	0	0	0	0	0	0	15				
16	252	103	15	3	25,472	0	0	0	0	0	0	0	0	0	0	0	2	15,405	0	0	0	0	0	0	16				
17	240	94	15	4	25,599	0	0	0	0	0	0	0	0	0	0	0	3	15,402	0	0	0	0	0	0	17				
18	232	91	15	7	25,718	0	0	0	0	0	0	0	0	0	0	0	4	15,398	0	0	0	0	0	0	18				
19	240	89	15	10	25,844	0	0	0	0	0	0	0	0	0	0	0	6	15,392	0	0	0	0	0	0	19				
20	233	89	15	9	25,964	0	0	0	0	0	0	0	0	0	0	0	5	15,387	0	0	0	0	0	0	20				
21	224	87	14	10	26,077	0	0	0	0	0	0	0	0	0	0	0	6	15,381	0	0	0	0	0	0	21				
22	390	85	15	9	26,358	0	0	0	0	0	0	0	0	0	0	0	5	15,376	0	0	0	0	0	0	22				
23	319	88	16	7	26,566	0	0	0	0	0	0	0	0	0	0	0	4	15,372	0	0	0	0	0	0	23				
24	294	86	14	5	26,755	0	0	0	0	0	0	0	0	0	0	0	2	15,370	0	0	0	0	0	0	24				
25	437	94	14	3	27,081	0	0	0	0	0	0	0	0	0	0	0	1	15,369	0	0	0	0	0	0	25				
26	349	97	15	1	27,317	0	0	0	0	0	0	0	0	0	0	0	1	15,368	0	0	0	0	0	0	26				
27	328	95	15	7	27,528	0	0	0	0	0	0	0	0	0	0	0	4	15,364	0	0	0	0	0	0	27				
28	314	91	15	9	27,727	0	0	0	0	0	0	0	0	0	0	0	4	15,360	0	0	0	0	0	0	28				
29	327	88	16	10	27,940	0	0	0	0	0	0	0	0	0	0	0	5	15,355	0	0	0	0	0	0	29				
30	340	82	15	9	28,174	0	0	0	0	0	0	0	0	0	0	0	4	15,351	0	0	0	0	0	0	30				
31	323	111	15	6	28,370	0	0	0	0	0	0	0	0	0	0	0	3	15,343	0	0	0	0	0	0	31				
S.F.D.	8,539	4,515	455	332	28,370	0	0	0	0	0	0	0	0	0	0	0	183	15,343	0	0	0	0	0	0	0	S.F.D.			
AC.F.T.	18,937	8,955	902	658	56,272	0	0	0	0	0	0	0	0	0	0	0	363	30,432	0	0	0	0	0	0	0	AC.F.T.			
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
1,593,786										947,882										0									

**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 2008 pursuant to terms of May 14, 1986 Memorandum of Understanding between Olcese WD and the Kern River Interests (Total of 14 acre-feet of additional evaporation; shared 75% NKWSD & 25% BVWSD)

**ISABELLA DAM & RESERVOIR  
PRECIPITATION DATA**

*Maximum 24-Hour Rainfall in Inches with Year of Most Recent Occurrence*  
October 1, 1949 to December 31, 2008

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	Max.
Jan	1.50	1.26	1.10	2.21	1.10	1.39	0.61	0.74	2.58	1.50	1.45	1.46	0.85	1.10	1.05	2.40	1.19	0.68	1.52	1.34	1.08	0.80	1.63	1.02	2.15	1.95	1.15	0.50	0.86	1.45	0.56	2.58
Feb	3.40	0.57	3.58	0.48	0.89	2.04	1.35	1.43	2.02	2.24	0.96	1.58	1.21	2.05	1.89	0.69	1.31	0.85	2.13	1.10	1.05	0.87	1.71	1.13	1.65	0.95	0.92	0.27		1.863	3.58	
Mar	1.50	1.30	0.75	1.72	0.70	0.58	0.58	1.29	0.66	1.18	0.69	0.95	0.51	0.58	0.61	0.64	1.05	0.58	0.34	0.93	0.54	1.10	0.80	1.02	0.87	1.13	0.46	1.09	0.39	0.57	1.72	
Apr	0.38	1.45	0.72	0.99	0.49	0.43	0.57	0.43	0.30	0.62	0.67	0.60	0.65	0.32	0.35	0.68	0.51	0.54	0.55	0.57	0.35	0.49	0.14	0.33	0.45	0.30	0.56	0.87	0.50	0.88	1.45	
May	0.44	0.11	0.33	0.36	0.49	0.33	0.15	0.33	0.62	0.41	0.19	0.48	0.23	0.09	0.15	0.02	0.08	0.04	0.75	0.26	0.25	0.05	0.16	0.07	0.10	0.75	0.41	0.14	0.10	0.01	0.00	0.75
Jun	0.21	0.00	0.00	0.37	0.25	0.02	0.41	0.50	0.39	0.09	0.28	0.24	0.20	0.00	0.39	0.04	0.30	0.01	0.04	0.03	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.04	0.50	
Jul	0.00	0.00	0.00	0.02	0.21	0.21	0.00	0.00	0.01	0.23	0.00	0.03	0.45	0.03	0.42	0.88	0.29	0.05	0.00	1.56	0.10	0.30	0.28	0.00	0.12	0.78	0.25	0.03	0.02	0.23	0.31	1.56
Aug	0.58	0.80	0.00	0.00	0.00	0.06	0.14	1.01	0.00	0.35	0.20	0.48	0.05	0.02	0.83	0.09	0.25	0.82	0.41	0.20	0.24	0.11	0.16	0.54	0.13	0.08	0.01	0.10	0.24	0.00	0.01	1.01
Sep	0.62	0.18	0.45	0.37	0.07	1.25	0.15	0.29	0.06	0.15	1.18	0.25	0.09	0.00	0.00	0.53	0.08	0.20	0.86	0.33	0.22	0.34	0.04	0.20	0.55	0.27	0.03	0.10	0.98	3.09	1976	
Oct	0.45	0.42	0.23	0.15	0.30	0.12	0.15	0.69	0.22	0.32	0.22	0.02	0.07	0.27	0.22	0.82	0.96	0.87	1.13	0.73	0.15	0.04	0.21	0.14	0.35	0.72	0.22	0.29	0.64	0.57	1.13	
Nov	0.83	0.10	0.39	0.45	0.18	0.52	2.63	2.50	0.50	0.70	0.77	0.90	0.32	1.05	1.14	0.61	1.27	0.63	0.46	2.85	1.17	0.65	0.46	1.51	1.00	1.48	0.51	0.52	0.80	1.72	2.85	
Dec	1.54	2.38	0.26	2.62	5.20	2.53	0.79	0.40	1.02	1.57	0.72	0.99	0.61	0.91	0.71	1.35	0.77	0.57	0.73	0.71	0.60	1.47	0.52	1.15	1.14	1.68	0.77	1.72	0.90	0.92	1.56	5.20
	1982	2005	1951	1966	1966	1966	1955	1949	1952	1986	1993	1951	1971	2008	1984	2002	1977	1977	1949	1988	1970	1982	1955	1988	1983	1964	1964	1977	1985	1965	1951	1986

# **DANGER 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**



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

COMPUTED NATURAL FLOW AT FIRST POINT ..... 22580  
 LESS NON-CONTRIBUTING CANALS..... 16933  
 FOR OTHERS AND FIRST POINT CANALS..... 5647  
 TO BE CONTRIBUTED BY OTHER CANALS..... 847  
 TO BE USED BY OTHER CANALS..... 4800  
 EACH OTHER CANAL TO RECEIVE..... N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)..... 8  
 B.V.W.S.D. ENTITLEMENT..... 163  
 SEEPAGE LOSS..... 676  
 KERN RIVER CONDUIT ENTITLEMENT..... 0  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0  
 TOTAL..... 847

% OF IT'S DIVERSION RIGHT

RIVER STAGE	AMT.	DIVERSION RIGHT NAME OF CANAL K.C.L. Co. ENT'L @ 2ND PT.	GROSS DIVR	GROSS ENT'L	To River	RELEASES		ENTITLEMENT LESS RELEASES			EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS			CURRENT BALANCE				
						Direct	Pro	KCC&W Co.	KRWSD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KRDW	OTHER	DIR	PRO	LOSS	IN	PREVIOUS BALANCE	OUT	CURRENT BALANCE
300.0	300	KERN ISLAND (1-ST)	7640	16933	8440			8		8493						2517	0	20	1850	647			
320.0	20	CASTRO		61	196											0	0	0	0	0			
330.5	10.5	SOUTH FORK		153	610											420	9557	105	95	9777			
410.5	80	BUENA VISTA (1-ST)	145	666	668				347							0	600	0	0	600			
530.5	120	JAMES (1-ST)		625	4939											26	1488	16	26	1472			
580.5	20	ANDERSON (1-ST)		77	534											1498							
700.5	150	STINE		570	928											1498	12	10	0	1500			
730.5	30	MEACHAM		173	407											1285	223	8	0	1500			
880.5	150	FARMERS		570	715				1285														
920.5	40	PLUNKET		151	206				357														
960.5	40	JOYCE		77	222				299														
1000.5	40	JOHNSON		73	85				158														
1130.5	130	PIONEER (1-ST)		240	20				260														
1190.5	60	BEARDSLEY (1-ST)		173	8				119														
1200.5	10	ANDERSON (2-ND)		18	2				20														
1240.5	40	JAMES & DIXON		73	6				79														
1250.5	10	WILSON		12					20														
1276.5	26	McCAFFREY		48	4				52														
1376.5	100	MCCORD		56	4				60														
2226.5	880	CALLOWAY	1496	142	10				148														
2426.5	200	BEARDSLEY 70%	1496	142	6				28														
2516.5	90	BUENA VISTA (2-ND)			28				567														
2686.5	180	JAMES (2-ND)			4				20														
2886.5	170	PIONEER (2-ND)			4				52														
3106.5	240	BEARDSLEY (3-RD)			4				60														
3162.5	56	KERN ISLAND (2-ND)			10				60														
ROSEDALE RIVISD																							
TRUXTON LAKES																							
COUNTY OF KERN																							
KERN VALLEY GOLF COURSE																							
CALIFORNIA WATER SERVICE CO.																							
OLCESE WD																							
THE PARK AT RIVER WALK																							
KOWA TO NKWSD																							
NKWSD FOR ID#4																							
BWISD VIA PIONEER PROJECT																							
TOTALS			948	11042	21741	9261	9261	0	8555	1305	11623	268	2655	1728	1588	948	7185	173	1187	0			

FLOW AT FIRST POINT 948 12906 22417

LOSS 1864 676  
 TOTALS 948 12906 22417

TOTAL CHANGE IN STORAGE = 7951

NOTES:  
 Kern Island Exch. Less: to NKWSD= 160  
 Lerdo Exch. Plus: KRC&I 30% Ent'l= 72

Cally Exch. Less: NKWSD for ID#4= 1496  
 River Loss. NKWSD for ID#4= 883

River Loss: BWISD via Pioneer Project= 44

NKWSD/KCC&W Co. Ent'l: Reflects release to City (due to inability to divert natural flow ent'l)= 28





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

Date: March 2008 Recap

COMPUTED NATURAL FLOW AT FIRST POINT..... 56727  
 LESS NON-CONTRIBUTING CANALS..... 18184  
 FOR OTHERS AND FIRST POINT CANALS..... 38543  
 TO BE CONTRIBUTED BY OTHER CANALS..... 33906  
 TO BE USED BY OTHER CANALS..... 4637  
 EACH OTHER CANAL TO RECEIVE..... N/A

QUANTITIES IN: ACRE-FEET  
 K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 391  
 B.V.W.S.D. ENTITLEMENT..... 12177  
 SEEPAGE LOSS..... 676  
 KERN RIVER CONDUIT ENTITLEMENT..... 20662  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0  
 TOTAL..... 33906

% OF IT'S DIVERSION RIGHT  
 N/A

RIVER STAGE	AMT.	DIVERSION RIGHT	NAME OF CANAL	GROSS DIV'R	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 Pro	NKWSID	KCC&W Co	KDWD	OTHER	PLUS	LESS	NKWSID	KCC&W Co.	KDWD	OTHER	DIR	PRO	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE	
300.0	300		K.C.L. Co. ENTL @ 2ND PT.	12107	18184	391		17854		676	1297					5454	9725	179	0	15000				
			KERN ISLAND (1-ST)	1783																				
			EASTSIDE																					
			KERN RIVER CONDUIT																					
320.0	20		CASTRO		36																			
			KCC&W Co.		79																			
330.5	10.5		SOUTH FORK		64																			
			BUENA VISTA (1-ST)		461																			
410.5	80		JAMES (1-ST)		690																			
530.5	120		ANDERSON (1-ST)		115																			
550.5	20		STINE		869																			
700.5	150		MEACHAM		177																			
730.5	30		FARMERS		736																			
880.5	150		PLUNKET		202																			
920.5	40		JOYCE		196																			
960.5	40		JOHNSON		169																			
1000.5	40		PIONEER (1-ST)		406																			
1130.5	130		BEARDSLEY (1-ST)		656																			
1190.5	60		LERDO (NKWSID)		145																			
			ANDERSON (2-ND)		18																			
1200.5	10		JAMES & DIXON		71																			
1240.5	40		WILSON		8																			
1280.5	10		MCCAFFREY		4																			
1276.5	28		LERDO 30%		34																			
			BEARDSLEY 70%		12																			
1376.5	100		CALLOWAY		30																			
2226.5	860		RAILROAD		2442																			
2426.5	200		BUENA VISTA (2-ND)																					
2516.5	90		JAMES (2-ND)																					
2886.5	180		PIONEER (2-ND)																					
2866.5	170		PIONEER (2-ND)																					
3106.5	240		BEARDSLEY (2-ND)																					
3162.5	56		KERN ISLAND (2-ND)																					
			ROSEDALE REVISD																					
			TRUKTUN LAKES																					
			NORTH LAKE																					
			COUNTY OF KERN																					
			KERN VALLEY GOLF COURSE																					
			CALIFORNIA WATER SERVICE CO.																					
			OLCESE WD																					
			THE PARK AT RIVER WALK																					
			BWSD VIA KDWD																					
			BWSD FOR La HACIENDA, INC.																					
TOTALS				944	31960	43874	330	330	0	2481	20870	20239	284	2902	2738	12740	4256	13136	710	783	0			
			LOSS		1461	676																		
			FLOW AT FIRST POINT	944	33421	44550																		

TOTAL CHANGE IN STORAGE = 11173

NOTES:  
 Kern Island Exch. Less: from BWMSD= 1287  
 Eastside Exch Less: from BWMSD= 849  
 Cally, Exch. Less: ID4 from Kern Island= 512  
 River Loss: ID4 from Kern Island= 164

Lerdo (NKWSID) - City to CWD (Basic)= 1482  
 Lerdo (NKWSID) - Other: KRC&I 30% Ent'l= 54

Cally, (Central): City to K-TWD= 1678  
 Cally, (Central): City to RGWD= 252  
 River Loss: City to K-TWD= 540  
 River Loss: City to RGWD= 81

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

Date: April 2008 Recap

80991  
17851  
63140  
40757  
22383  
N/A

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.....

966  
20097  
655  
19039  
0  
40757

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.....

% OF IT'S DIVERSION RIGHT

RIVER STAGE	AMT.	DIVERSION RIGHT		GROSS DIVR	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR		CURRENT BALANCE	
		NAME OF CANAL	K.C.L. Co. ENT'L @ 2ND PT.			To River	Distribution	MKWSD	KCC&W Co.	KOWD	OTHER	PLUS	LESS	MKWSD	KCC&W Co.	KOWD	OTHER	DIR	PRO		PREVIOUS BALANCE
300.0	300	KERN ISLAND (1-ST)	15329	966	17851	1951		966					1473	14004			251	15000	261	327	14663
		EASTSIDE	2093						19039												
320.0	20	CASTRO		109																	
		KCC&W Co.		298																	
330.5	10.5	SOUTH FORK		214					984												
410.5	80	BUENA VISTA (1-ST)	561	1617																	
530.5	120	JAMES (1-ST)	2428	2428																	
550.5	20	ANDERSON (1-ST)		407																	
700.5	150	STINE	127	3035																	
		MEACHAM		613																	
880.5	150	FARMERS	1773	3035																	
920.5	40	PLUNKET		809																	
960.5	40	JOYCE		809																	
1000.5	40	JOHNSON		809																	
1130.5	130	PIONEER (1-ST)		2445																	
1180.5	60	BEARDSLEY (1-ST)	835	932																	
		LERDO (MKWSD)	13007	149																	
1200.5	10	ANDERSON (2-ND)		573																	
1240.5	40	JAMES & DIXON		77																	
1260.5	10	WILSON		67																	
		KCC&W Co.		349																	
1276.5	26	MCCAFFREY		349																	
		McCORD		813																	
1376.5	100	BEARDSLEY 70%	2622	490																	
		CALLOWAY		1956																	
2226.5	850	RAILROAD																			
		KCC&W Co. 20%																			
2426.5	200	BUENA VISTA (2-ND)																			
		MKWSD 80%																			
2516.5	90	JAMES (2-ND)																			
		PIONEER (2-ND)																			
2898.5	180	PIONEER (3-ND)																			
		BEARDSLEY (3-ND)																			
2866.5	170	BEARDSLEY (2-ND)																			
		KERN ISLAND (2-ND)																			
3106.5	240	ROSEDALE RIVNSD																			
		TRUXTON LAKES																			
		NORTH LAKE																			
		COUNTY OF KERN																			
		KERN VALLEY GOLF COURSE																			
		CALIFORNIA WATER SERVICE CO.																			
		OLCESE WD																			
		THE PARK AT RIVER WALK																			
		BWWSID VIA KDWD																			
		MKWSD FOR ID4																			
		BWWSID FOR La HACIENDA, INC.																			
TOTALS			1335	36347	60239	1951	1951	0	12662	20657	24688	2232	2762	2330	9602	6729	18437	1368	1244	0	1244
		LOSS		1898	655																
FLOW AT FIRST POINT			1335	38245	60894																

TOTAL CHANGE IN STORAGE = 20201

NOTES:  
Kern Island Exch. Less: from BWWSID= 488  
Eastside Exch. Less: from BWWSID= 121  
Cally. Exch. Less: ID4 from Kern Island= 607  
River Loss: ID4 from Kern Island= 167

Lerdo (MKWSD): City to CWD (Basic)= 2882  
Lerdo (MKWSD) - Other: KRC&I 30% Ent'= 523  
Cally. Exch. Less: MKWSD for ID4= 916  
River Loss: NKWSD for ID4= 265  
Kern Island Exch. Less: NKWSD for ID4= 138  
Cally. (Central): City to K-TWD= 966  
Cally. (Central): City to RGWD= 143  
River Loss: City to K-TWD= 285  
River Loss: City to RGWD= 42  
Kern Island (KCC&W Co.): City to K-TWD= 1281  
Kern Island (KCC&W Co.): City to RGWD= 192

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

Date: May 2008 Recp

COMPUTED NATURAL FLOW AT FIRST POINT ..... 123177  
LESS NON-CONTRIBUTING CANALS ..... 18446  
FOR OTHERS AND FIRST POINT CANALS ..... 104731  
TO BE CONTRIBUTED BY OTHER CANALS ..... 59131  
TO BE USED BY OTHER CANALS ..... 45800  
EACH OTHER CANAL TO RECEIVE ..... N/A

QUANTITIES IN: ACRE-FEET  
K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 1646  
B.V.W.S.D. ENTITLEMENT ..... 34493  
SEEPAGE LOSS ..... 676  
KERN RIVER CONDUIT ENTITLEMENT ..... 22316  
HACIENDA W.D. ENTITLEMENT AT FIRST POINT ..... 0  
TOTAL ..... 59131

RIVER STAGE	DIVERSION RIGHT	GROSS DIV'R	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	KCC&W Co.	KOWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KOWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT		CURRENT BALANCE					
																							1061	1061	0	28565	26378
300.0	K.C.L. Co. ENTL @ 2ND PT. KERN ISLAND (1-S7) EASTSIDE KERN RIVER CONDUIT	18368 2953	1646 18446			1646		1646	922	611	313			1317	17362			230	14663	254	1669	12970					
320.0	CASTRO KCC&W Co	127	395		113		962	22316									0	0	0	0	0	0	0				
330.5	SOUTH FORK	274			327																		79	51107			
410.5	BUENA VISTA (1-S7)	2371	2108		200		474	2529		329													474	2221			
530.5	JAMES (1-S7)		3164		421			3164																173	9075		
580.5	ANDERSON (1-S7)		522					522																			
700.5	STINE	3969	3957					3957																			
730.5	MEACHAM		791					791																			
880.5	FARMERS	2067	3957		1061			2896																			
920.5	PLUNKET		1057					1057																			
960.5	JOYCE		1057					1057																			
1000.5	JOHNSON		1057					1057																			
1130.5	PIONEER (1-S7)		3425					3425																			
1190.5	BEARDSLEY (1-S7)	841	1593					1593																			
1200.5	LERDO (NKWSD)	17036						262																			
1240.5	ANDERSON (2-ND)		1039					1039																			
1240.5	JAMES & DIXON		139					139																			
1250.5	WILSON		117					117																			
1276.5	MCCAFFREY		668					668																			
1376.5	MCCORD		740					740																			
1376.5	LERDO 30% BEARDSLEY 70% CENTRAL 20%		1726					1726																			
2326.5	CALLOWAY	2967	2574					2574																			
2326.5	RAILROAD		10297					10297																			
2426.5	KCC&W Co 20% NKWSD 80%		270					270																			
2516.5	BUENA VISTA (2-ND)		563					563																			
2896.5	JAMES (2-ND)		978					978																			
2896.5	PIONEER (2-ND)		781					781																			
3106.5	BEARDSLEY (3-RD)		174					174																			
3162.5	KERN ISLAND (2-ND)		117					117																			
ROSEDALE RBWS																											
TRUTUN LAKES		180																									
NORTH LAKE																											
COUNTY OF KERN																											
KERN VALLEY GOLF COURSE																											
CALIFORNIA WATER SERVICE CO.																											
OLCESE WD																											
THE PARK AT RIVER WALK		131																									
BWSD VIA KDWD																											
TOTALS		1513	50863	88008	1061	1061	0	28565	26378	28508	4557	2175	2016	10547	10609	28080	2066	2153	0								
	FLOW AT FIRST POINT	1513	LOSS	2831																							
				53714																							
				86684																							

TOTAL CHANGE IN STORAGE = 32383

NOTES:  
Kern Island Exch. Less: from BWSD= 611  
Eastside Exch. Less: from BWSD= 313  
Buena Vista Exch. Less: from BWSD= 329  
Cally. Exch. Less: ID4 from Kern Island= 763  
River Loss: ID4 from Kern Island= 159  
Lerdo (NKWSD): City to K-TWD (Basic)= 486  
Lerdo (NKWSD): City to RGWD (Basic)= 73  
Lerdo (NKWSD): City to CWD (Basic)= 4705  
Lerdo (NKWSD) - Other: KRC&I 30% Entl'= 1225

Cally. (Central): City to K-TWD= 1918  
Cally. (Central): City to RGWD= 286  
River Loss: City to K-TWD= 452  
River Loss: City to RGWD= 68  
Kern Island (KCC&W Co.): City to K-TWD= 1144  
Kern Island (KCC&W Co.): City to RGWD= 173



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

Date: July 2008 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.....

38095  
 18446  
 19649  
 18864  
 785  
 N/A

QUANTITIES IN: ACRE-FEET

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.....

301  
 6252  
 676  
 11635  
 0  
 18864

RIVER STAGE	DIVERSION RIGHT	GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR		CURRENT BALANCE	
				To River	Distribution	... NKWSD	... OR PLUS DISTRIBUTED RELEASES	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	PREVIOUS BALANCE		IN
300.0	K.C.L. Co. ENTL @ 2ND PT.	301	301	0	0	301	0	0	0	0	0	0	0	0	0	0	0	
300.0	KERN ISLAND (1-ST)	18252	18446	0	0	18446	0	416	720	0	17948	0	0	0	0	0	0	
	EASTSIDE KERN RIVER CONDUIT	2624	11635	0	0	11635	0	0	56	0	2568	0	0	0	0	0	0	
320.0	CASTRO	12	16	0	0	12	0	0	0	0	0	0	0	0	0	0	0	
330.5	KCC&W Co. SOUTH FORK	14	14	0	0	14	0	0	0	0	0	0	0	0	0	0	0	
410.5	BUENA VISTA (1-ST)	4975	119	0	0	119	0	0	0	0	0	0	0	0	0	0	0	
530.5	JAMES (1-ST)	185	185	0	0	185	0	0	0	0	0	0	0	0	0	0	0	
550.5	ANDERSON (1-ST)	28	28	0	0	28	0	0	0	0	0	0	0	0	0	0	0	
700.5	STINE	4762	230	0	0	230	0	0	0	0	0	0	0	0	0	0	0	
730.5	MEACHAM	48	48	0	0	48	0	0	0	0	0	0	0	0	0	0	0	
800.5	FARMERS	2636	133	0	0	133	0	0	0	0	0	0	0	0	0	0	0	
920.5	PLUNKET			0	0		0	0	0	0	0	0	0	0	0	0	0	
960.5	JOYCE			0	0		0	0	0	0	0	0	0	0	0	0	0	
1000.5	JOHNSON			0	0		0	0	0	0	0	0	0	0	0	0	0	
1130.5	PIONEER (1-ST)			0	0		0	0	0	0	0	0	0	0	0	0	0	
1190.5	BEARDSLEY (1-ST)	927	927	0	0	927	0	0	0	0	0	0	0	0	0	0	0	
1200.5	LERDO (NKWSD)	21024	21024	0	0	21024	0	0	0	0	0	0	0	0	0	0	0	
1240.5	JAMES & DIXON			0	0		0	0	0	0	0	0	0	0	0	0	0	
1250.5	WILSON			0	0		0	0	0	0	0	0	0	0	0	0	0	
1276.5	MCCAFFREY			0	0		0	0	0	0	0	0	0	0	0	0	0	
1376.5	MCCORD			0	0		0	0	0	0	0	0	0	0	0	0	0	
1376.5	BEARDSLEY 70%			0	0		0	0	0	0	0	0	0	0	0	0	0	
2226.5	CALLOWAY	1688	1688	0	0	1688	0	0	0	0	0	0	0	0	0	0	0	
2226.5	RAILROAD			0	0		0	0	0	0	0	0	0	0	0	0	0	
2426.5	BEARDSLEY 80%			0	0		0	0	0	0	0	0	0	0	0	0	0	
2516.5	BUENA VISTA (2-ND)			0	0		0	0	0	0	0	0	0	0	0	0	0	
2696.5	JAMES (2-ND)			0	0		0	0	0	0	0	0	0	0	0	0	0	
2696.5	PIONEER (2-ND)			0	0		0	0	0	0	0	0	0	0	0	0	0	
3106.5	BEARDSLEY (3-RD)			0	0		0	0	0	0	0	0	0	0	0	0	0	
3162.5	KERN ISLAND (2-ND)			0	0		0	0	0	0	0	0	0	0	0	0	0	
	ROSDALE RBWSD			0	0		0	0	0	0	0	0	0	0	0	0	0	
	TRUXTUN LAKES	145	145	0	0	145	0	0	0	0	0	0	0	0	0	0	0	
	NORTH LAKE			0	0		0	0	0	0	0	0	0	0	0	0	0	
	COUNTY OF KERN			0	0		0	0	0	0	0	0	0	0	0	0	0	
	KERN VALLEY GOLF COURSE			0	0		0	0	0	0	0	0	0	0	0	0	0	
	CALIFORNIA WATER SERVICE CO.			0	0		0	0	0	0	0	0	0	0	0	0	0	
	OLCSE WD			0	0		0	0	0	0	0	0	0	0	0	0	0	
	THE PARK AT RIVER WALK	131	131	0	0	131	0	0	0	0	0	0	0	0	0	0	0	
	BWWSV VIA KDWD			0	0		0	0	0	0	0	0	0	0	0	0	0	
	BWWSV VIA CWD			0	0		0	0	0	0	0	0	0	0	0	0	0	
	NKWSD FOR ID4			0	0		0	0	0	0	0	0	0	0	0	0	0	
	BWWSV FOR La HACIENDA, INC.			0	0		0	0	0	0	0	0	0	0	0	0	0	
	ARVIN-EDISON TURNOUT	3330	3330	0	0	3330	0	0	0	0	0	0	0	0	0	0	0	
	TOTALS	2077	60494	31167	0	0	562	11663	18928	14	9404	9374	12046	12751	32889	927	1590	0
	FLOW AT FIRST POINT	2077	2263	676														
	LOSS	2077	62757	31843														

TOTAL CHANGE IN STORAGE = -33268

NOTES:

Kern Island Exch. Less: from BWWSV= 720  
 Eastside Exch. Less: from BWWSV= 56

Cally. Exch. Less: ID4 from Kern Island= 392  
 River Loss: ID4 from Kern Island= 24

Lerdo (NKWSD): City to CWD (Basic)= 6130  
 Lerdo Exch. Less: BWWSV via CWD= 2848

Lerdo Exch. Plus: City to NKWSD (Basic)= 5000  
 Cally. Exch. Less: NKWSD for ID4= 183  
 River Loss: NKWSD for ID4= 6

Cally. (Central): City to K-TWD= 970  
 Cally. (Central): City to RGWD= 143  
 River Loss: City to K-TWD= 135  
 River Loss: City to RGWD= 22

Arvin-Edison (KCC&W Co.): City to K-TWD= 2895  
 Arvin-Edison (KCC&W Co.): City to RGWD= 435

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

Date: August 2008 Recap

COMPUTED NATURAL FLOW AT FIRST POINT..... 15558  
 LESS NON-CONTRIBUTING CANALS..... 14862  
 FOR OTHERS AND FIRST POINT CANALS..... 696  
 TO BE CONTRIBUTED BY OTHER CANALS..... 696  
 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..... 18  
 SEEPAGE LOSS..... 676  
 KERN RIVER CONDUIT ENTITLEMENT..... 2  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0  
 TOTAL..... 696

RIVER STAGE	DIVERSION RIGHT	GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR		CURRENT BALANCE		
				To River	Distribution	Pro	Other	Plus	Less	NKWS	KCC&W Co.	KDWD	Other	Dir	Pro	In		Out	
300.0	K.C.L. Co. ENTL @ 2ND PT.	18723	14862																
300.0	KERN ISLAND (1-ST)	1985																	
320.0	KERN RIVER CONDUIT		2																
320.0	CASTRO																		
330.5	KCC&W Co.																		
330.5	SOUTH FORK																		
410.5	BUENA VISTA (1-ST)	2047																	
530.5	JAMES (1-ST)																		
550.5	ANDERSON (1-ST)																		
700.5	STINE	1422																	
730.5	MEACHAM																		
880.5	FARMERS	2504																	
920.5	PLUNKET																		
980.5	JOYCE																		
1000.5	JOHNSON																		
1130.5	PIONEER (1-ST)																		
1190.5	BEARDSLEY (1-ST)	994																	
1200.5	LERDO (NKWS)	13452																	
1240.5	ANDERSON (2-ND)																		
1250.5	JAMES & DIXON																		
1250.5	WILSON																		
1276.5	KCC&W Co.																		
1276.5	McCAFFREY																		
1376.5	LERDO 30%																		
1376.5	BEARDSLEY 70%																		
2226.5	CALLOWAY	3352																	
2226.5	NKWS 80%																		
2226.5	KCC&W Co. 20%																		
2426.5	RAILROAD																		
2426.5	NKWS 80%																		
2516.5	BUENA VISTA (2-ND)																		
2696.5	JAMES (2-ND)																		
2866.5	PIONEER (2-ND)																		
3106.5	BEARDSLEY (3-RD)																		
3162.5	61 KERN ISLAND (2-ND)																		
3162.5	ROSEDALE RBWSD																		
3162.5	TRUXTON LAKES	187																	
3162.5	NORTH LAKE																		
3162.5	COUNTY OF KERN																		
3162.5	KERN VALLEY GOLF COURSE																		
3162.5	CALIFORNIA WATER SERVICE CO																		
3162.5	OLCESE WD																		
3162.5	THE PARK AT RIVER WALK	143																	
3162.5	HWD FOR KOWA																		
3162.5	BWSD VIA KDWD																		
3162.5	BWSD VIA CWD																		
3162.5	NKWS FOR ID4																		
3162.5	BWSD FOR LA HACIENDA, INC.																		
3162.5	ARVIN-EDISON TURNOUT	2237																	
TOTALS		2104	14864	0	0	0	0	0	15808	14748	6981	14034	23362	947	2209	0	2209	0	
FLOW AT FIRST POINT	LOSS	2888	676																
		2104	15540																

**TOTAL CHANGE IN STORAGE = -36505**

**NOTES:**  
 Kern Island Exch. Less: from BWSD= 39  
 Eastside Exch. Less: from BWSD= 1073  
 Stine Exch. Less: from BWSD= 186  
 Cally. Exch. Less: ID4 from Kern Island= 870  
 River Loss. ID4 from Kern Island= 52  
 Kern Island Exch. Less: HWD for KCWA= 1188  
 Lerdo (NKWS): City to CWD (Basic)= 5400  
 Lerdo Exch. Less: BWSD via CWD= 1071  
 Lerdo Exch. Plus: City to NKWS (Basic)= 10000  
 Cally. Exch. Less: NKWS for ID4= 151  
 River Loss: NKWS for ID4= 1008  
 Kern Island Exch. Less: NKWS for ID4= 80  
 Cally. (Central): City to K-TWD= 2022  
 Cally. (Central): City to RGWD= 309  
 River Loss: City to K-TWD= 154  
 River Loss: City to RGWD= 18  
 Kern Island (KCC&W Co.): City to K-TWD= 1457  
 Kern Island (KCC&W Co.): City to RGWD= 218  
 Arvin-Edison (KCC&W Co.): City to K-TWD= 367  
 Arvin-Edison (KCC&W Co.): City to RGWD= 1815

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

Date: September 2008 Recap

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

10145  
 9490  
 655  
 655  
 0  
 N/A

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

% OF IT'S DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT	GROSS DIVR 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	Direct	Pro Distribution	NKWS	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWS	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS
300.0	K.C.L. Co. ENT'L @ 2ND PT. KERN ISLAND (1-ST)	10185	9490				9490									368	2146	79	726	1709	
320.0	EASTSIDE KERN RIVER CONDUIT	1061							1107	1438											
330.5	KCC&W Co. SOUTH FORK									1061											
410.5	BUENA VISTA (1-ST)																				
530.5	JAMES (1-ST)																				
550.5	ANDERSON (1-ST)																				
700.5	STINE																				
730.5	MEACHAM																				
880.5	FARMERS	339																			
920.5	PLUNKET																				
980.5	JOYCE																				
1000.5	JOHNSON																				
1130.5	PIONEER (1-ST)																				
1190.5	BEARDSLEY (1-ST)	682																			
1200.5	LERDO (NKWS)	10620								4502	6118										
1240.5	ANDERSON (2-ND)																				
1240.5	JAMES & DIXON																				
1260.5	WILSON																				
1270.5	MC CAFFREY																				
1376.5	LERDO 30% BEARDSLEY 70%																				
1376.5	CALLOWAY	2880								2880											
2240.5	RAILROAD																				
2420.5	BUENA VISTA (2-ND)																				
2516.5	JAMES (2-ND)																				
2680.5	PIONEER (2-ND)																				
2880.5	BEARDSLEY (3-ND)																				
3106.5	KERN ISLAND (2-ND)																				
3162.5	ROSEDALE BEWSD																				
	TRUXTUN LAKES																				
	COUNTY OF KERN																				
	KERN VALLEY GOLF COURSE																				
	CALIFORNIA WATER SERVICE CO.																				
	OLCESE WD																				
	THE PARK AT RIVER WALK																				
	BEWSD VIA KDWD																				
	BEWSD VIA CWD																				
	NKWS FOR CWD																				
	NKWS FOR ID4																				
	RIO BRAVO WELL																				
TOTALS		1857	25767	9490	0	0	0	0	0	10450	9881	6178	1857	10187	682	569	0	0	0	0	0
	LOSS		1224	655												569					
	FLOW AT FIRST POINT	1857	26991	10145																	

TOTAL CHANGE  
 IN STORAGE = -16849

NOTES:  
 Kern Island Exch. Less: from BWWS= 157  
 Eastside Exch Less: from BWWS= 1061  
 Kern Island Exch. Less: Rio Bravo Well= 83  
 Cally. Exch. Less: ID4 from Kern Island= 921  
 River Loss: ID4 from Kern Island= 180

Lerdo Exch. Less: BWWS via CWD= 3141  
 Lerdo Exch. Less: NKWS for CWD= 1361

Cally. Exch. Less: NKWS for ID4= 1959  
 River Loss: NKWS for ID4= 389  
 Kern Island Exch. Less: NKWS for ID4= 1198

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

Date: October 2008 Recap

11022  
 10346  
 676  
 676  
 0  
 N/A

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

RIVER STAGE	DIVERSION RIGHT	GROSS DIV'R 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	Other	Plus	Less	NKWS	KCC&W Co	KDWD	Other	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
300.0	K.C.L. Co. ENT'L @ 2ND PT. KERN ISLAND (1-ST) EASTSIDE	5188	3357	0	6989	94	1895	94	6989	70	0	857	1709	76	927	1563			
320.0	CASTRO																		
330.5	KCC&W Co. SOUTH FORK		208	625	833														
410.5	BUENA VISTA (1-ST)	895	402	402															
530.5	JAMES (1-ST)		1588																
550.5	ANDERSON (1-ST)		534																
700.5	STINE																		
730.5	MEACHAM																		
880.5	FARMERS																		
920.5	PLUNKET																		
960.5	JOYCE																		
1000.5	JOHNSON																		
1130.5	PIONEER																		
1180.5	BEARDSLEY (1-ST)	732																	
1200.5	LERDO (NKWS)	6055																	
1240.5	ANDERSON (2-ND)																		
1250.5	JAMES & DIXON																		
1250.5	WILSON																		
1276.5	KCC&W Co. MCCAFFREY																		
1376.5	LERDO 30% BEARDSLEY 70% CENTRAL 20%	2519																	
2226.5	CALLOWAY RAILROAD																		
2426.5	NKWS 80% KCC&W Co. 20%																		
2516.5	BUENA VISTA (2-ND)																		
2696.5	JAMES (2-ND)																		
2866.5	PIONEER (2-ND)																		
3106.5	BEARDSLEY (3-RD)																		
3182.5	KERN ISLAND (2-ND)																		
	ROSEDALE RBWSD																		
	TRUXLIN LAKES	92																	
	NORTH LAKE																		
	COUNTY OF KERN																		
	KERN VALLEY GOLF COURSE																		
	CALIFORNIA WATER SERVICE CO.																		
	OLCSE WD																		
	THE PARK AT RIVER WALK	67																	
	BVWSD VIA KDWD																		
	BVWSD VIA CWD																		
	NKWS FOR CWD																		
	NKWS FOR ID4																		
	BVWSD FOR LA HACIENDA INC																		
	RIO BRAVO WELL																		
<b>TOTALS</b>		1448	1548	10346	3357	0	534	833	8577	402	4650	3838	7884	732	803	311	1114		
	LOSS																		
	FLOW AT FIRST POINT	1448	1791	676															
			17339	11022															

TOTAL CHANGE IN STORAGE = -7801

NOTES:  
 Kern Island Exch. Less: from BVWSD= 77  
 Kern Island Exch. Less: Rio Bravo Well= 17  
 Cally. Exch. Less: ID4 from Kern Island= 1581  
 River Loss: ID4 from Kern Island= 334  
 Lerdo Exch. Less: BVWSD via CWD= 1636  
 Lerdo Exch. Less: NKWS for CWD= 581  
 Cally. Exch. Less: NKWS for ID4= 958  
 River Loss: NKWS for ID4= 206



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

Date: November 2008 Recap

COMPUTED NATURAL FLOW AT FIRST POINT ..... 16933  
 LESS NON-CONTRIBUTING CANALS ..... 15768  
 FOR OTHERS AND FIRST POINT CANALS ..... 1165  
 TO BE CONTRIBUTED BY OTHER CANALS ..... 655  
 TO BE USED BY OTHER CANALS ..... 510  
 EACH OTHER CANAL TO RECEIVE ..... N/A

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4-563%)... 0  
 B.V.W.S.D. ENTITLEMENT ..... 0  
 SEEPAGE LOSS ..... 655  
 KERN RIVER CONDUIT ENTITLEMENT ..... 0  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT ..... 0  
 TOTAL ..... 655

QUANTITIES IN: ACRE-FEET

% OF IT'S DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS DIVR	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES				EXCHANGES, SALES OR PURCHASES				NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR			
	AMT.	NAME OF CANAL			To River	Distribution	Direct	Pro	MKWS D	KCC&W Co.	KDWD	OTHER	PLUS	LESS	MKWS D	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	KERN ISLAND (1-ST) EASTSIDE	3360	15768			3375						949		32				589	1563	36	1491	625	
320.0	20	CASTRO		28	270													0	0	0	0	0	0	
330.5	10.5	SOUTH FORK		71	821		1190			2456								2480	10946	247	78	78	13101	
410.5	80	BUENA VISTA (1-ST)	315	292	46		66			2456								66	2990	2	2456	600	600	
530.5	120	JAMES (1-ST)		67	176		236								315			0	341	2	255	84	84	
550.5	20	ANDERSON (1-ST)			986		22											22						
730.5	160	STINE			1329		74											22	58	2	0	0	78	
880.5	160	FARMERS	60		74													22	16	0	8	8	30	
920.5	40	PLUNKET			1228		1228											22						
960.5	40	JOYCE			563		563																	
1000.5	40	JOHNSON			165		165																	
1130.5	130	PIONEER (1-ST)			198		198																	
1190.5	60	BEARDSLEY (1-ST)	748															0	6067	99	688	5280	5280	
1200.5	10	ANDERSON (2-ND)	6047															3425	27639	510	411	30043	30043	
1240.5	40	JAMES & DIXON																6604	49520	896	5387	49847	49847	
1250.5	10	WILSON																						
1278.5	35	MCCAFFREY																						
1376.5	100	MCCORD																						
1376.5	100	MCCORD																						
1376.5	100	MCCORD																						
2226.5	860	CALLOWAY																						
2426.5	200	RAILROAD																						
2516.5	30	BUENA VISTA (2-ND)																						
2896.5	180	JAMES (2-ND)																						
2896.5	170	PIONEER (2-ND)																						
3106.5	240	BEARDSLEY (3-RD)																						
3162.5	56	KERN ISLAND (2-ND)																						
TOTALS			1089	12436	16278	12657	0	11315	1190	3707	66	6329	4750	5598	1242	4652	688							
FLOW AT FIRST POINT																								
		LOSS																						
			1089	14846	16933																			

NOTES:  
 Kern Island Exch. Less: from BWMSD= 32  
 Cally. Exch. Less: ID4 from Kern Island= 755  
 River Loss: ID4 from Kern Island= 194  
 Truxtun Lakes: NKWSD for ID4= 44  
 Lerdo Exch. Less: BWMSD via CWD= 189  
 Lerdo Exch. Less: NKWSD for CWD= 260  
 Cally. Exch. Less: NKWSD for ID4= 1014  
 River Loss: NKWSD for ID4= 1385  
 South Fork transfer to City: in excess of carryover storage requirement= 2456

TOTAL CHANGE IN STORAGE = 321

# CITY OF BAKERSFIELD

## KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: December 2008 Recap

COMPUTED NATURAL FLOW AT FIRST POINT ..... 16937  
 LESS NON-CONTRIBUTING CANALS..... 15495  
 FOR OTHERS AND FIRST POINT CANALS..... 1442  
 TO BE CONTRIBUTED BY OTHER CANALS..... 676  
 TO BE USED BY OTHER CANALS..... 766  
 EACH OTHER CANAL TO RECEIVE..... N/A

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

### QUANTITIES IN: ACRE-FEET

% OF IT'S DIVERSION RIGHT

RIVER STAGE	AMT.	NAME OF CANAL K.C.L. Co. ENTL @ 2ND PT.	GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR				
					To River	Direct	Distribution Pro	NKWS	KCC&W Co.	KOWD	OTHER	PLUS	LESS	NKWS	KCC&W Co.	KOWD	OTHER	DIR	PRO	PREVIOUS BALANCE
300.0	300	KERN ISLAND (1-ST)	2108	15495	13445			2050						38		0	625	8	96	521
320.0	20	KERN RIVER CONDUIT														0	0	0	0	0
330.0	10.5	KCC&W Co.		69		238										0	0	0	0	0
340.0	10.5	SOUTH FORK		187		736		1230								111	13101	176	0	13038
410.5	80	BUENA VISTA (1-ST)		109					6							0	600	84	2	600
530.5	120	JAMES (1-ST)		353		290		191								191	84	2	0	273
550.5	20	ANDERSON (1-ST)		48		6545		952												
700.5	150	STINE				12														
730.5	30	MEACHAM				1428														
880.5	150	FARMERS				18														
920.5	40	PLUNKET				1605														
980.5	40	JOYCE				956														
1000.5	40	JOHNSON				766														
1130.5	130	PIONEER (1-ST)				460														
1190.5	80	BEARDSLEY (1-ST)		427																
1200.5	10	LERDO (NKWS)		3570					4											
1240.5	40	ANDERSON (2-ND)																		
1280.5	10	JAMES & DIXON																		
1280.5	40	WILSON																		
1276.5	26	KCC&W Co.																		
1276.5	26	McCAFFREY																		
1376.5	100	McCORD																		
1376.5	100	LERDO 30% BEARDSLEY 70%																		
2226.5	850	CALLOWAY																		
2226.5	850	NKWS 80% RAILROAD																		
2426.5	200	KCC&W Co. 20% NKWS 80%																		
2516.5	90	BUENA VISTA (2-ND)																		
2696.5	180	JAMES (2-ND)																		
2866.5	170	PIONEER (2-ND)																		
3108.5	240	BEARDSLEY (3-ND)																		
3162.5	66	KERN ISLAND (2-ND)																		
3162.5	66	ROSEDALE RWSD																		
77		TRUXTUN LAKES																		
77		NORTH LAKE																		
77		COUNTY OF KERN																		
77		KERN VALLEY GOLF COURSE																		
77		CALIFORNIA WATER SERVICE CO																		
77		OLCISE WD																		
77		THE PARK AT RIVER WALK																		
77		NKWS FOR ID4																		
77		JOY CORDOVA																		
77		GLEN GRUNDEIS																		
77		BWSD TRANSFER TO 1ST PT. GRP.																		
TOTALS			902	16261	13944	13944	0	12760	1230	2271	0	2146	1406	3570	1124	2108	205	779	0	779
FLOW AT FIRST POINT		LOSS	902	16937																

TOTAL CHANGE IN STORAGE = 6431

NOTES:

Truxtun Lakes: NKWS for ID4= 77

Cally- Exch. Less: NKWS for ID4= 1319  
 River Loss: NKWS for ID4= 740

BWSD Transfer to 1st Pt. Grp.: NKWS (4): City (6)









## ISABELLA DAM & LAKE 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	24697	25000	27060	20732	30787	33096	35662	38308	40610	42524	44613	46368	48820	50622	52460	54380	58948	60040	63068	69194	68504	70430	72232	73805	75100	76334	77312	78608	79770	80574
1955	6309	6400	6580	6705	6882	7110	7453	7957	8381	8804	9383	10186	11080	11911	12411	12846	13283	13280	13941	14635	15525	16717	17940	19230	21146	21982	21650	22831	23916	24852	25938
1956	17452	17552	17844	17800	181102	183035	184859	187688	188958	188606	190616	192596	194400	195440	197384	199344	201304	203264	205224	207184	209144	211104	213064	215024	216984	218944	220904	222864	224824	226784	228744
1957	12356	12583	12481	12761	12947	12507	12504	12847	12669	12847	12700	12730	12794	12878	12972	13076	13180	13284	13388	13492	13596	13700	13804	13908	14012	14116	14220	14324	14428	14532	14636
1958	22937	23160	24441	23761	24242	24726	25318	25980	26231	27326	27857	28545	28974	30459	31125	31863	32780	33799	34920	36143	37478	38926	40487	42162	43951	45854	47871	49902	52047	54306	56670
1959	19219	19636	20037	20716	20979	201374	201639	201638	201971	202170	20598	201759	205813	204199	206813	208573	210389	212263	214196	216188	218249	220378	222574	224836	227164	229558	232008	234514	237076	239694	242368
1960	11742	11272	11336	11423	11478	11543	11632	11769	11893	11910	11993	12109	12258	12438	12641	12867	13115	13375	13648	13934	14224	14518	14816	15118	15424	15734	16048	16366	16688	17014	17344
1961	35204	35467	36300	36185	36435	36727	36880	37240	37489	37799	38020	38267	38473	38850	39229	39610	39993	40378	40764	41151	41538	41925	42312	42699	43086	43473	43860	44247	44634	45021	45408
1962	8820	9045	9284	9584	9942	10359	10788	11153	11489	11782	11969	12156	12343	12530	12717	12904	13091	13278	13464	13651	13837	14024	14211	14398	14585	14772	14959	15146	15333	15520	15707
1963	21733	21450	21633	21875	22032	22468	22472	22867	22875	23074	23286	23509	23744	23988	24242	24506	24780	25064	25358	25662	25976	26300	26634	26978	27322	27676	28040	28414	28798	29192	29596
1964	17464	17400	17312	17532	17408	17420	17452	17543	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531
1965	15691	16340	16570	16760	16868	17058	17201	17452	17543	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531	17531
1966	17794	17818	18000	18105	18167	18471	18631	18819	18958	19081	19203	19293	19363	19433	19503	19573	19643	19713	19783	19853	19923	19993	20063	20133	20203	20273	20343	20413	20483	20553	20623
1967	29369	29249	29076	28826	28830	28706	28658	28549	28381	28179	27920	27604	27231	26802	26327	25806	25240	24629	23974	23276	22535	21751	20925	20058	19150	18202	17214	16186	15020	13814	12568
1968	22448	22535	22516	22758	22833	22830	23017	23296	23566	23824	24071	24308	24535	24752	24960	25158	25346	25524	25692	25850	26008	26166	26324	26482	26640	26800	26960	27120	27280	27440	27600
1969	17700	18100	18588	18946	19108	19274	19593	20147	20815	21654	22625	23749	24927	26162	27454	28804	30214	31684	33214	34804	36454	38174	40004	41904	43804	45704	47604	49504	51404	53304	55204
1970	26335	26306	26408	26547	26583	26661	26700	26791	26848	26874	26900	26926	26952	26978	27004	27030	27056	27082	27108	27134	27160	27186	27212	27238	27264	27290	27316	27342	27368	27394	27420
1971	18481	18547	18585	18636	18682	18738	18801	18870	18942	19026	19122	19232	19356	19494	19646	19812	19992	20186	20394	20616	20852	21102	21366	21644	21936	22242	22562	22896	23244	23606	23984
1972	11325	11371	11435	11467	11545	11598	11668	11742	11787	11854	11903	11935	11965	11995	12025	12055	12085	12115	12145	12175	12205	12235	12265	12295	12325	12355	12385	12415	12445	12475	12505
1973	13708	13825	14002	14801	15093	15387	15708	16065	16451	16868	17316	17804	18332	18900	19508	20156	20844	21572	22340	23148	24006	24914	25872	26880	27938	29056	30234	31472	32770	34128	35546
1974	29218	29474	29726	30088	30183	30076	30678	31263	31729	32154	32541	32889	33200	33480	33733	33960	34162	34340	34494	34626	34738	34830	34902	34954	34986	34998	35000	35002	35004	35006	35008
1975	21643	21817	21728	21876	21876	21983	22023	22198	22347	22476	22591	22696	22791	22876	22951	23016	23071	23116	23151	23176	23201	23216	23231	23246	23261	23276	23291	23306	23321	23336	23351
1976	15200	15651	15703	15780	15748	15785	15846	15926	16034	16163	16309	16473	16655	16847	17049	17271	17503	17745	18007	18289	18591	18913	19255	19617	20009	20431	20883	21355	21847	22359	22891
1977	6147	6572	6501	6649	6656	6727	6856	6977	7096	7215	7334	7453	7572	7691	7810	7929	8048	8167	8286	8405	8524	8643	8762	8881	9000	9119	9238	9357	9476	9595	9714
1978	28401	28382	28373	28458	28458	28538	28587	28636	28685	28734	28783	28832	28881	28930	28979	29028	29077	29126	29175	29224	29273	29322	29371	29420	29469	29518	29567	29616	29665	29714	29763
1979	38926	38503	36961	40115	40572	41957	41957	42320	42681	43038	43395	43752	44081	44388	44674	44939	45184	45409	45614	45800	45966	46112	46248	46374	46490	46596	46692	46778	46854	46920	46976
1980	32751	37736	37346	37032	38716	38478	38186	38471	38981	39519	39757	39980	40198	40416	40634	40852	41070	41288	41506	41724	41942	42160	42378	42596	42814	43032	43250	43468	43686	43904	44122
1981	26737	27041	27303	27481	27658	27705	27658	27631	280758	27831	280758	28187	28312	28547	28700	28853	28988	29103	29208	29303	29388	29463	29528	29593	29648	29693	29728	29753	29768	29773	29778
1982	39093	37756	34683	38957	36523	40124	40781	41291	41836	42330	42818	43293	43755	44081	44328	44500	44622	44694	44739	44774	44808	44833	44858	44883	44908	44933	44958	44983	45008	45033	45058
1983	46548	45847	46152	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834
1984	31425	31528	31636	31753	31826	32009	32084	32148	32201	32254	32307	32360	32413	32466	32519	32572	32625	32678	32731	32784	32837	32890	32943	32996	33049	33102	33155	33208	33261	33314	33367
1985	30901	31249	31485	31818	32081	32380	32675	32960	33233	33501	33764	34022	34275	34523	34766	35004	35237	35465	35688	35906	36119	36327	36530	36728	36921	37104	37282	37455	37623	37786	37944
1986	45548	45847	46152	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834	46834
1987	24824	24759	24744	24795	24802	25009	25074	25149	25234	25319	25414	25509	25604	25709	25814	25919	26024	26129	26234	26339	26444	26549	26654	26759	26864	26969	27074	27179	27284	27389	27494
1988	13247	13246	13259	13259	13259	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272	13272
1989	15467	15763	15832	15848	16072	16278	16542	16772	17038	17304	17570	17836	18102	18368	18634	18900	19166	19432	19698	19964	20230	20496	20762	21028	21294	21560	21826	22092	22358	22624	22890
1990	8421	8451	8401	8425	8500	8579	8657	8706	8801	8872	8933	8972	9012	9051	9090	9129	9168	9207	9246	9285	9324	9363	9402	9441	9480	9519	9				

ISABELLA DAM & LAKE  
KERN RIVER BASIN, CALIFORNIA  
MIDNIGHT STORAGE

Units in acre-feet

JUNE

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	81980	82952	83784	84654	85504	86304	87034	87794	88574	89374	90194	91034	91894	92774	93674	94594	95534	96494	97474	98474	99494	100534	101594	102674	103774	104894	106034	107194	108374	109574	
1955	27588	28176	28856	29528	30192	30848	31496	32136	32768	33392	34008	34616	35216	35808	36392	36968	37536	38096	38648	39192	39728	40256	40776	41288	41792	42288	42768	43232	43688	44136	44576	
1956	238108	24148	244128	247128	250072	252912	255648	258288	260832	263280	265632	267888	270048	272112	274080	275952	277728	279408	280992	282480	283872	285168	286368	287572	288680	289692	290612	291442	292182	292932	293692	
1957	151825	154925	158517	162600	167172	172232	177780	183816	190344	197368	204892	212912	221424	230432	239936	249936	260432	271424	282912	294900	307388	320376	333864	347852	362340	377328	392816	408804	425292	442280	459768	
1958	413465	417863	422129	426253	430235	434075	437772	441324	444732	448000	451128	454116	456964	459672	462240	464668	466956	469104	471112	472980	474708	476296	477744	479052	480220	481248	482136	482884	483492	483960	484288	
1959	374280	376756	378678	380148	381264	382028	382544	382912	383136	383216	383160	382976	382664	382232	381672	380984	380160	379200	378112	376896	375552	374080	372472	370728	368848	366832	364680	362392	359960	357384	354664	
1960	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	11820	
1961	47316	47987	48743	49583	50508	51519	52616	53799	55067	56420	57858	59381	60989	62682	64460	66318	68256	70274	72372	74550	76808	79146	81564	84062	86640	89298	92036	94854	97752	100730	103788	
1962	137565	139508	142072	145344	149424	154320	160044	166696	174276	182784	192224	202608	213944	226232	239472	253664	268808	284904	291960	299976	308952	318888	329784	341640	354456	368232	382968	398664	415320	432936	451512	
1963	238464	239760	243120	247632	253296	260112	268080	277200	287472	298904	311496	325248	340160	356232	373464	391848	411384	432072	453912	476904	501148	526648	553392	581380	610612	641188	673108	706372	741080	777232	814836	853892
1964	201638	202104	202368	202432	202296	202064	201736	201312	200792	200176	199464	198656	197752	196752	195656	194464	193184	191816	190360	188816	187184	185456	183632	181712	179704	177608	175424	173152	170792	168344	165808	
1965	227495	230506	235020	241072	248672	257920	268816	281360	295656	311704	329504	349056	370368	393440	419272	447712	478760	512416	549680	590544	635016	684104	737816	796152	859120	926728	998976	1076880	1160544	1250864	1347840	1451488
1966	217676	217645	217782	217919	217988	218125	218262	218400	218537	218674	218811	218948	219085	219222	219359	219496	219633	219770	219907	220044	220181	220318	220455	220592	220729	220866	221003	221140	221277	221414	221551	
1967	374280	376756	378678	380148	381264	382028	382544	382912	383136	383216	383160	382976	382664	382232	381672	380984	380160	379200	378112	376896	375552	374080	372472	370728	368848	366832	364680	362392	359960	357384	354664	
1968	255433	257113	258696	260131	261424	262576	263592	264472	265216	265824	266304	266664	266912	267048	267072	267088	267096	267096	267088	267072	267048	267000	266936	266856	266760	266648	266520	266376	266216	266040	265848	
1969	467816	469772	48372	50376	52383	54393	56406	58422	60440	62460	64482	66506	68532	70559	72588	74619	76652	78687	80724	82762	84802	86843	88885	90928	92972	95017	97062	99107	101152	103197	105242	
1970	317214	320176	323200	326224	329248	332272	335296	338320	341344	344368	347392	350416	353440	356464	359488	362512	365536	368560	371584	374608	377632	380656	383680	386704	389728	392752	395776	398800	401824	404848	407872	
1971	216854	217776	218698	219620	220542	221464	222386	223308	224230	225152	226074	226996	227918	228840	229762	230684	231606	232528	233450	234372	235294	236216	237138	238060	238982	239904	240826	241748	242670	243592	244514	
1972	123793	124136	124383	124531	124589	124647	124705	124763	124821	124879	124937	124995	125053	125111	125169	125227	125285	125343	125401	125459	125517	125575	125633	125691	125749	125807	125865	125923	125981	126039	126097	
1973	328716	333935	339154	344373	349592	354811	359999	365187	370375	375563	380751	385939	391127	396315	401503	406691	411879	417067	422255	427443	432631	437819	443007	448195	453383	458571	463759	468947	474135	479323	484511	
1974	414565	418827	422819	426532	430065	433419	436592	439584	442496	445328	448080	450752	453344	455856	458288	460640	462912	465104	467216	469248	471192	473048	474816	476496	478088	479592	481008	482336	483576	484728	485792	
1975	306170	310747	315275	319802	324330	328857	333385	337912	342440	346967	351494	356021	360548	365075	369602	374129	378656	383183	387710	392237	396764	401291	405818	410345	414872	419399	423926	428453	432980	437507	442034	
1976	193881	189095	184309	179523	174737	170000	165312	160673	156084	151545	147056	142617	138228	133889	129500	125161	120872	116633	112444	108305	104216	100177	96188	92259	88390	84571	80802	77083	73414	69795	66226	
1977	72684	73526	74368	75210	76052	76894	77736	78578	79420	80262	81104	81946	82788	83630	84472	85314	86156	87000	87842	88684	89526	90368	91210	92052	92894	93736	94578	95420	96262	97104	97946	
1978	390265	385377	380489	375601	370713	365825	360937	356049	351161	346273	341385	336497	331609	326721	321833	316945	312057	307169	302281	297393	292505	287617	282729	277841	272953	268065	263177	258289	253401	248513	243625	
1979	425420	431627	437834	444041	450248	456455	462662	468869	475076	481283	487490	493697	499904	506111	512318	518525	524732	530939	537146	543353	549560	555767	561974	568181	574388	580595	586802	593009	599216	605423	611630	
1980	502820	509827	516834	523841	530848	537855	544862	551869	558876	565883	572890	579897	586904	593911	600918	607925	614932	621939	628946	635953	642960	649967	656974	663981	670988	677995	685002	692009	699016	706023	713030	
1981	306510	307610	308660	309630	310560	311460	312330	313180	314010	314820	315610	316380	317130	317860	318570	319260	319920	320560	321180	321780	322360	322920	323460	324000	324520	325030	325530	326020	326500	326970	327430	
1982	526333	530103	533221	535634	538241	540948	543755	546562	549369	552176	554983	557790	560597	563404	566211	569018	571825	574632	577439	580246	583053	585860	588667	591474	594281	597088	599895	602702	605509	608316	611123	
1983	402776	404428	405996	407476	408876	410196	411436	412596	413676	414676	415596	416436	417196	417876	418476	418996	419436	419800	420096	420324	420484	420576	420600	420556	420436	420240	419968	419620	419196	418696	418120	
1984	376465	377346	378186	378986	379746	380466	381146	381786	382386	382946	383466	383946	384386	384786	385146	385466	385746	385986	386186	386346	386466	386546	386586	386586	386546	386466	386346	386186	385986	385746	385466	
1985	376465	377346	378186	378986	379746	380466	381146	381786	382386	382946	383466	383946	384386	384786	385146	385466	385746	385986	386186	386346	386466	386546	386586	386586	386546	386466	386346	386186	385986	385746	385466	
1986	538181	543817	549453	555089	560725	566361	571997	577633	583269	588905	594541	600177	605813	611449	617085	622721	628357	633993	639629	645265	650901	656537	662173	667809	673445	679081	684717	690353	695989	701625	707261	
1987	273876	274831	275707	276583	277459	278335	279211	280087	280963	281839	282715	283591	284467	285343	286219	287095	287971	288847	289723	290599	291475	292351	293227	294103	294979	295855	296731	297607	298483	299359	300235	
1988	159270																															



JULY

Units in acre-feet

ISABELLA DAM & LAKE  
KERN RIVER BASIN, CALIFORNIA  
MIDNIGHT STORAGE

Table with columns for Year (1984-2008) and Midnight Storage (Units in acre-feet). The table contains numerical data for each year from 1984 to 2008, with a total and average row at the bottom.

Summary Row: Max., Min., Ave. with corresponding numerical values for the data series.

**ISABELLA DAM & LAKE**  
**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	
1984	4615	4646	4246	4016	3870	3790	3779	3641	3539	3470	3330	3269	3156	3082	3016	2965	2878	2838	2762	2743	2638	2714	2743	2714	2638	2573	2520	2489	2408	2493	2375	
1985	2549	2510	2464	2412	2384	2315	2415	2451	2316	2338	2330	2313	2278	2284	2234	2186	2140	2123	2038	1922	1826	1926	1924	1830	1869	1873	1879	1870	1863	1887	1857	
1986	25628	24831	24600	24359	24062	23784	23543	23249	23006	22714	22526	21970	21621	21380	21091	20800	20514	20216	19968	19755	19565	19437	18800	18722	18638	18548	18437	18312	18080	18977	18638	
1987	46803	45715	44684	43490	42424	41292	40161	39065	37949	36864	35765	34641	33516	32392	31269	30147	29025	27904	26784	25664	24544	23424	22304	21184	20064	18944	17824	16704	15584	14464	13344	
1988	38747	38383	38920	35275	35132	34775	34174	33884	33869	33242	32942	32542	32142	31742	31342	30942	30542	30142	29742	29342	28942	28542	28142	27742	27342	26942	26542	26142	25742	25342	24942	
1989	9334	92614	91754	90885	89897	89133	88469	87756	87000	86233	85518	84854	84151	83511	82854	82161	81524	80844	80216	79541	78921	78301	77681	77061	76441	75821	75201	74581	73961	73341	72721	
1990	5901	54244	53475	52717	52014	51264	50525	49789	47668	46888	45868	45025	44277	43574	42911	42284	41684	41111	40544	40004	39484	38984	38504	38044	37604	37184	36784	36304	35844	35404	34984	
1991	30506	29952	29415	28921	28462	27938	27444	26987	26531	26084	25644	25211	24784	24361	23944	23531	23124	22721	22324	21931	21544	21161	20784	20411	20044	19684	19331	18984	18644	18311	17984	
1992	129158	128707	128054	127351	126748	126046	125209	124428	123509	122548	121548	120509	119444	118354	117244	116109	114944	113744	112509	111244	110044	108844	107644	106444	105244	104044	102844	101644	100444	99244	98044	
1993	13653	137958	136302	135049	133908	132859	131829	130819	129819	128839	127879	126939	126019	125119	124239	123379	122539	121719	120919	120139	119379	118639	117919	117219	116529	115859	115209	114569	113949	113349	112759	112189
1994	121158	121206	120348	119408	118488	117508	116488	115448	114388	113308	112208	111088	110048	108988	107908	106808	105688	104548	103388	102208	101008	99788	98548	97288	96008	94708	93388	92048	90688	89308	87908	86488
1995	275463	274883	273737	272488	271019	269434	267789	266089	264334	262524	260659	258739	256764	254734	252649	250509	248314	246064	243854	241584	239354	237074	234834	232534	230274	227954	225574	223234	220834	218374	215854	213274
1996	136853	137958	136302	135049	133908	132859	131829	130819	129819	128839	127879	126939	126019	125119	124239	123379	122539	121719	120919	120139	119379	118639	117919	117219	116529	115859	115209	114569	113949	113349	112759	112189
1997	52419	52240	51848	51737	51389	51052	50680	50284	49864	49424	48964	48484	47984	47464	46934	46384	45824	45244	44644	44024	43384	42734	42074	41404	40724	40034	39334	38624	37904	37174	36444	
1998	166474	164937	163468	161971	160454	158908	157344	155764	154174	152564	150934	149284	147614	145924	144214	142484	140734	139064	137384	135694	134094	132484	130864	129234	127594	125944	124284	122614	120934	119244	117544	115834
1999	187221	185892	184568	183248	181934	180624	179314	178008	176704	175404	174104	172804	171504	170204	168904	167604	166304	165004	163704	162404	161104	159804	158504	157204	155904	154604	153304	152004	150704	149404	148104	146804
2000	187221	185892	184568	183248	181934	180624	179314	178008	176704	175404	174104	172804	171504	170204	168904	167604	166304	165004	163704	162404	161104	159804	158504	157204	155904	154604	153304	152004	150704	149404	148104	146804
2001	160714	159219	157789	156481	155262	154084	152948	151848	150774	149724	148694	147684	146694	145724	144774	143834	142914	142014	141134	140274	139434	138614	137814	137034	136274	135534	134814	134114	133424	132754	132104	131454
2002	130725	129418	128119	126833	125562	124316	123094	121894	120714	119554	118414	117294	116194	115114	114044	112984	111944	110914	109894	108884	107884	106894	105914	104944	103984	103034	102094	101164	100244	99334	98434	97544
2003	248802	247925	246954	245982	245016	244054	243098	242148	241204	240264	239328	238398	237474	236554	235638	234728	233824	232924	232028	231134	230244	229358	228474	227594	226718	225848	224984	224128	223278	222434	221598	220768
2004	160138	158588	157049	155524	154011	152504	151004	149514	148028	146548	145074	143604	142144	140694	139248	137808	136374	134944	133514	132084	130654	129224	127794	126364	124934	123504	122074	120644	119214	117784	116354	114924
2005	45502	45131	44761	44391	44021	43651	43281	42911	42541	42171	41801	41431	41061	40691	40321	39951	39581	39211	38841	38471	38101	37731	37361	36991	36621	36251	35881	35511	35141	34771	34401	34031
2006	139409	137653	135911	134181	132464	130758	129064	127381	125708	124044	122394	120754	119124	117504	115894	114294	112704	111124	109544	107964	106384	104804	103224	101644	100064	98484	96904	95324	93744	92164	90584	89004
2007	168878	167445	166021	164604	163194	161794	160404	159014	157624	156234	154844	153454	152064	150674	149284	147894	146504	145114	143724	142334	140944	139554	138164	136774	135384	133994	132604	131214	129824	128434	127044	125654
2008	20712	19632	18629	17662	16746	15884	15078	14328	13634	12994	12414	11884	11404	10974	10594	10264	9984	9754	9574	9444	9364	9334	9354	9424	9544	9714	9934	10204	10524	10904	11344	11844
Max.	55179	54910	54782	54792	54892	54440	54072	53762	53357	52954	52548	52133	51763	51388	51024	50676	50344	50024	49714	49414	49124	48844	48574	48314	48064	47824	47594	47374	47154	46944	46744	46544
Min.	25439	25100	24648	24242	23847	23442	23042	22642	22242	21842	21442	21042	20642	20242	19842	19442	19042	18642	18242	17842	17442	17042	16642	16242	15842	15442	15042	14642	14242	13842	13442	13042
Ave.	26822	25602	25326	24932	24532	24132	23732	23332	22932	22532	22132	21732	21332	20932	20532	20132	19732	19332	18932	18532	18132	17732	17332	16932	16532	16132	15732	15332	14932	14532	14132	13732

ISABELLA DAM & LAKE  
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	2318	2274	2255	2190	2150	2120	2078	2041	1962	1950	1952	1894	1834	1800	1772	1754	1703	1675	1645	1618	1594	1559	1534	1504	1475	1449	1413	1387	1351	1318																																								
1955	1843	1817	1850	1850	1832	1800	1787	1763	1747	1704	1684	1628	1602	1573	1528	1549	1533	1522	1518	1518	1515	1514	1513	1512	1507	1506	1502	1491	1476	1474	1474																																							
1956	1678	1690	1650	1642	1643	1621	1635	1621	1624	1733	1758	1740	1748	1722	1701	1680	1680	1682	1676	1660	1646	1626	1610	1606	1588	1582	1578	1568	1548	1532	1528																																							
1957	1254	1199	1188	1170	1163	1152	1147	1140	1133	1148	1133	1138	1134	1130	1127	1128	1117	1118	1118	1118	1105	1097	1089	1081	1081	1082	1078	1074	1074	1074	1074																																							
1958	2754	2738	2737	2693	2654	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634	2634																																							
1959	7761	7724	7691	7659	7627	7595	7574	7539	7543	7532	7530	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518	7518																																						
1960	3831	3597	3758	3583	3496	3466	3458	3448	3407	3408	3366	3346	3306	3286	3266	3246	3226	3206	3186	3166	3146	3126	3106	3086	3066	3046	3026	3006	2986	2966	2946	2926																																						
1961	2408	2383	2377	2341	2302	2278	2257	2190	2154	2160	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154	2154																																					
1962	1056	1049	1042	1011	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006																																					
1963	2582	2573	2555	2539	2539	2521	2505	2487	2467	2454	2434	2414	2394	2374	2354	2334	2314	2294	2274	2254	2234	2214	2194	2174	2154	2134	2114	2094	2074	2054	2034	2014	1994																																					
1964	1046	1036	1026	1016	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006																																				
1965	2421	2405	2352	2335	2297	2274	2244	2204	2184	2164	2144	2124	2104	2084	2064	2044	2024	2004	1984	1964	1944	1924	1904	1884	1864	1844	1824	1804	1784	1764	1744	1724	1704	1684																																				
1966	1013	1002	1000	997	995	990	982	973	965	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963																																			
1967	3648	3637	3625	3579	3541	3515	3484	3448	3428	3408	3388	3368	3348	3328	3308	3288	3268	3248	3228	3208	3188	3168	3148	3128	3108	3088	3068	3048	3028	3008	2988	2968	2948	2928																																				
1968	1275	1270	1263	1250	1238	1226	1214	1202	1190	1178	1166	1154	1142	1130	1118	1106	1094	1082	1070	1058	1046	1034	1022	1010	998	986	974	962	950	938	926	914	902	890	878																																			
1969	4279	4242	4202	4178	4139	4101	4062	4023	3984	3945	3906	3867	3828	3789	3750	3711	3672	3633	3594	3555	3516	3477	3438	3399	3360	3321	3282	3243	3204	3165	3126	3087	3048	3009																																				
1970	1932	1927	1918	1890	1880	1871	1853	1835	1817	1804	1791	1773	1755	1737	1719	1701	1683	1665	1647	1629	1611	1593	1575	1557	1539	1521	1503	1485	1467	1449	1431	1413	1395	1377	1359																																			
1971	1388	1382	1378	1351	1335	1319	1303	1287	1271	1255	1239	1223	1207	1191	1175	1159	1143	1127	1111	1095	1079	1063	1047	1031	1015	999	983	967	951	935	919	903	887	871	855																																			
1972	5238	5228	5201	5140	5080	5020	4960	4900	4840	4780	4720	4660	4600	4540	4480	4420	4360	4300	4240	4180	4120	4060	4000	3940	3880	3820	3760	3700	3640	3580	3520	3460	3400	3340	3280																																			
1973	2529	2519	2509	2494	2479	2464	2449	2434	2419	2404	2389	2374	2359	2344	2329	2314	2300	2285	2270	2255	2240	2225	2210	2195	2180	2165	2150	2135	2120	2105	2090	2075	2060	2045	2030																																			
1974	3309	3290	3269	3243	3217	3191	3165	3139	3113	3087	3061	3035	3009	2983	2957	2931	2905	2879	2853	2827	2801	2775	2749	2723	2697	2671	2645	2619	2593	2567	2541	2515	2489	2463	2437	2411																																		
1975	1895	1844	1800	1761	1722	1683	1644	1605	1566	1527	1488	1449	1410	1371	1332	1293	1254	1215	1176	1137	1098	1059	1020	981	942	903	864	825	786	747	708	669	630	591	552	513																																		
1976	6847	6779	6711	6656	6603	6557	6501	6441	6382	6326	6271	6217	6164	6111	6058	6005	5952	5900	5848	5796	5745	5693	5642	5591	5540	5489	5438	5387	5336	5285	5234	5183	5132	5081	5030	4979	4928																																	
1977	3808	3834	3870	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848	3848																																	
1978	3839	3823	3854	3791	3821	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846	3812	3846																																
1979	2357	2406	2382	2382	2354	2374	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354	2374	2354																																
1980	4036	4010	3947	3946	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916	3916																																
1981	1733	1762	1732	1725	1714	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708	1708																																
1982	4056	4036	4024	3979	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974	3974																															
1983	4666	4632	4617	4617	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584	4584																															
1984	3975	3962	3950	3934	3918	3902	3886	3870	3854	3838	3822	3806	3790	3774	3758	3742	3726	3710	3694	3678	3662	3646	3630	3614	3598	3582	3566	3550	3534	3518	3502	3486	3470	3454	3438	3422	3406	3390	3374	3358																														
1985	2247	2234	2218	2192	2166	2140	2114	2088	2062	2036	2010	1984	1958	1932	1906	1880	1854	1828	1802	1776	1750	1724	1698	1672	1646	1620	1594	1568	1542	1516	1490	1464	1438	1412	1386	1360	1334	1308	1282	1256	1230	1204	1178	1152	1126	1100	1074	1048	1022	996	970	944	918	892	866	840	814	788	762	736	710	684	658	632	606	580	554	528	502	

**ISABELLA DAM & LAKE  
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	12600	12674	12465	12243	12000	11777	11512	11317	11122	10943	10760	10584	10418	10264	10114	10074	10034	10000	9968	9938	9908	9878	9848	9818	9788	9758	9728	9698	9668	9638	9608
1955	14614	14529	14464	14390	14317	14244	14171	14098	14025	13952	13879	13806	13733	13660	13587	13514	13441	13368	13295	13222	13149	13076	13003	12930	12857	12784	12711	12638	12565	12492	12419	
1956	15291	151583	150750	149916	149081	148246	147411	146576	145741	144906	144071	143236	142401	141566	140731	139896	139061	138226	137391	136556	135721	134886	134051	133216	132381	131546	130711	129876	129041	128206	127371	
1957	10694	10558	10670	10564	10458	10352	10246	10140	10034	9928	9822	9716	9610	9504	9398	9292	9186	9080	8974	8868	8762	8656	8550	8444	8338	8232	8126	8020	7914	7808	7702	
1958	23731	23602	23473	23344	23215	23086	22957	22828	22699	22570	22441	22312	22183	22054	21925	21796	21667	21538	21409	21280	21151	21022	20893	20764	20635	20506	20377	20248	20119	19990	19861	
1959	7425	7417	7410	7402	7394	7386	7378	7370	7362	7354	7346	7338	7330	7322	7314	7306	7298	7290	7282	7274	7266	7258	7250	7242	7234	7226	7218	7210	7202	7194	7186	
1960	13854	13632	13409	13186	12963	12740	12517	12294	12071	11848	11625	11402	11179	10956	10733	10510	10287	10064	9841	9618	9395	9172	8949	8726	8503	8280	8057	7834	7611	7388	7165	
1961	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	4824	
1962	21456	21276	20889	20740	20527	20289	20053	19818	19583	19348	19113	18878	18643	18408	18173	17938	17703	17468	17233	17000	16765	16530	16295	16060	15825	15590	15355	15120	14885	14650	14415	
1963	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	14654	
1964	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	9684	
1965	20070	20120	20063	20422	20392	20236	20175	20066	19984	19902	19820	19738	19656	19574	19492	19410	19328	19246	19164	19082	19000	18918	18836	18754	18672	18590	18508	18426	18344	18262	18180	
1966	8746	8839	8791	8702	8734	8796	8858	8920	8982	9044	9106	9168	9230	9292	9354	9416	9478	9540	9602	9664	9726	9788	9850	9912	9974	10036	10098	10160	10222	10284	10346	
1967	27362	27045	26715	26376	26035	25716	25410	25109	24824	24541	24261	23982	23704	23427	23151	22876	22602	22328	22054	21780	21506	21232	20958	20684	20410	20136	19862	19588	19314	19040	18766	
1968	12182	12185	12198	12157	12133	12111	12111	12104	12097	12090	12083	12076	12069	12062	12055	12048	12041	12034	12027	12020	12013	12006	12000	11993	11986	11979	11972	11965	11958	11951	11944	
1969	35180	34915	34719	34481	34249	33992	33759	33522	33289	33056	32823	32590	32357	32124	31891	31658	31425	31192	30959	30726	30493	30260	30027	29794	29561	29328	29095	28862	28629	28396	28163	
1970	16734	16637	16759	16743	16707	16626	16582	16513	16453	16420	16376	16325	16281	16236	16191	16146	16101	16056	16011	15966	15921	15876	15831	15786	15741	15696	15651	15606	15561	15516	15471	
1971	12386	12361	12334	12307	12280	12253	12226	12200	12173	12146	12119	12092	12065	12038	12011	11984	11957	11930	11903	11876	11849	11822	11795	11768	11741	11714	11687	11660	11633	11606	11579	
1972	5065	5039	5013	5017	50213	5034	5038	5044	5048	5053	5057	5061	5065	5069	5073	5077	5081	5085	5089	5093	5097	5101	5105	5109	5113	5117	5121	5125	5129	5133	5137	
1973	22261	22037	21933	21943	21791	21574	21476	21400	21346	21301	21256	21211	21166	21121	21076	21031	20986	20941	20896	20851	20806	20761	20716	20671	20626	20581	20536	20491	20446	20401	20356	
1974	27468	27537	27386	27493	27108	26923	26831	26771	26744	26744	26768	26800	26840	26880	26920	26960	27000	27040	27080	27120	27160	27200	27240	27280	27320	27360	27400	27440	27480	27520	27560	
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1989	95132	94769	94525	94304	94106	93931	93778	93646	93534	93442	93370	93317	93274	93240	93215	93190	93165	93140	93115	93090	93065	93040	93015	92990	92965	92940	92915	92890	92865	92840	92815	
1990	4893	4856	4826	4804	4788	4776	4766	4758	4752	4748	4744	4740	4736	4732	4728	4724	4720	4716	4712	4708	4704	4700	4696	4692	4688	4684	4680	4676	4672	4668	4664	
1991	98164	97999	97932	97828	97681	97507	97317	97114	96909	96695	96476	96255	96035	95815	95595	95375	95155	94935	94715	94495												

**ISABELLA DAM & LAKE  
KERN RIVER BASIN, CALIFORNIA  
MIDNIGHT STORAGE**

Units in acre-feet

NOVEMBER

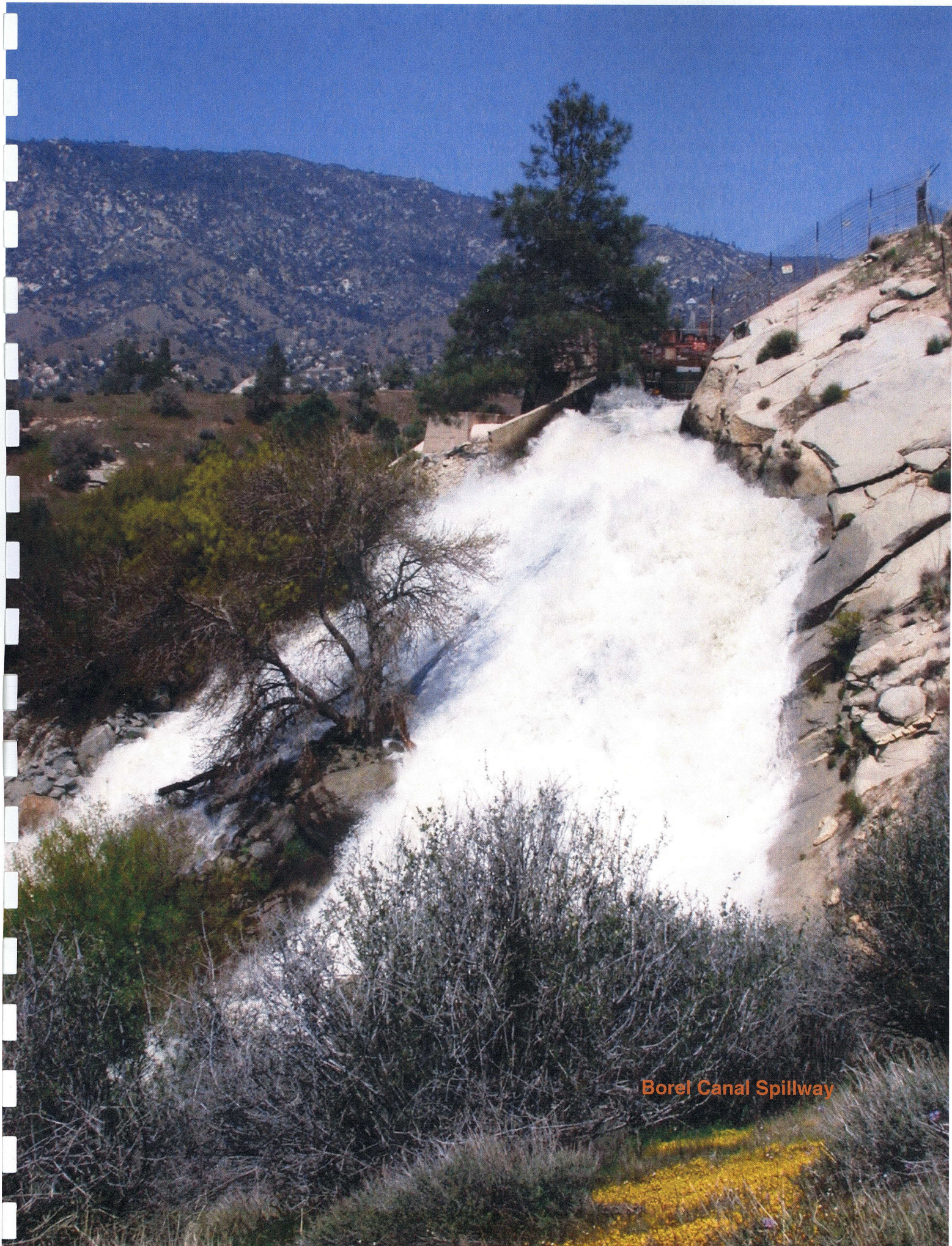
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1954	10500	10500	10600	10600	10800	10800	10884	10884	10884	10884	10884	10841	10841	10841	10762	10762	10762	10762	10762	10762	10762	9442	9442	9442	9301	9170	9050	8901	8733	8599	8537																																																																																																																																																																																																																																																																						
1955	13852	13831	13810	13768	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	13788	12550	12550	12550	12550	12550	12550	12550	12550	12550	12550																																																																																																																																																																																																																																																																						
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1957	102139	102091	102048	101984	101921	101821	101721	101621	101521	101421	101321	101221	101121	101021	100921	100821	100721	100621	100521	100421	100321	100221	100121	100021	999121	998121	997121	996121	995121	994121	993121																																																																																																																																																																																																																																																																						
1958	202420	204758	204159	203466	202389	201971	201411	200831	200232	199616	198996	198374	197752	197129	196506	195884	195262	194640	194018	193396	192774	192152	191530	190908	190286	189664	189042	188420	187798	187176	186554																																																																																																																																																																																																																																																																						
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1962	84651	84654	84616	84541	84533	84503	84468	84428	84389	84353	84315	84278	84240	84202	84165	84127	84090	84052	84014	84014	84014	84014	84014	84014	84014	84014	84014	84014	84014	84014	84014	84014																																																																																																																																																																																																																																																																					
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1969	232712	231443	230019	228127	225628	222463	218266	213542	208420	202933	197125	191152	185012	178712	172262	165752	159182	152552	145872	139142	132352	125512	118622	111682	104692	97652	90822	84072	77402	70812	64302	57872	51522	45252																																																																																																																																																																																																																																																																			
1970	157950	157835	15746	15746	15732	15690	15633	15571	15505	15435	15361	15283	15201	15115	15026	14933	14836	14735	14630	14521	14408	14292	14173	14051	13926	13800	13672	13542	13410	13276	13141	13005	12868	12730																																																																																																																																																																																																																																																																			
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ISABELLA DAM & LAKE  
KERN RIVER BASIN, CALIFORNIA  
MIDNIGHT STORAGE

Units in acre-feet

DECEMBER

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
1964	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	
1965	12814	12863	12863	13070	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	13097	
1966	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	13125	
1967	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	
1968	196154	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	196098	
1969	71805	71805	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	71739	
1970	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	17575	
1971	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	83751	
1972	170627	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	
1973	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	94877	
1974	170104	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	169683	
1975	82714	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	83031	
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**Borel Canal Spillway**

















Prepared by J.S.M.

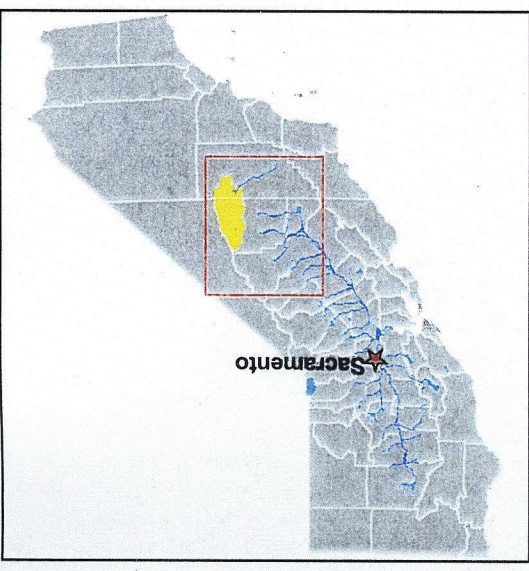
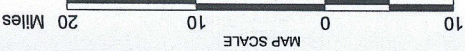
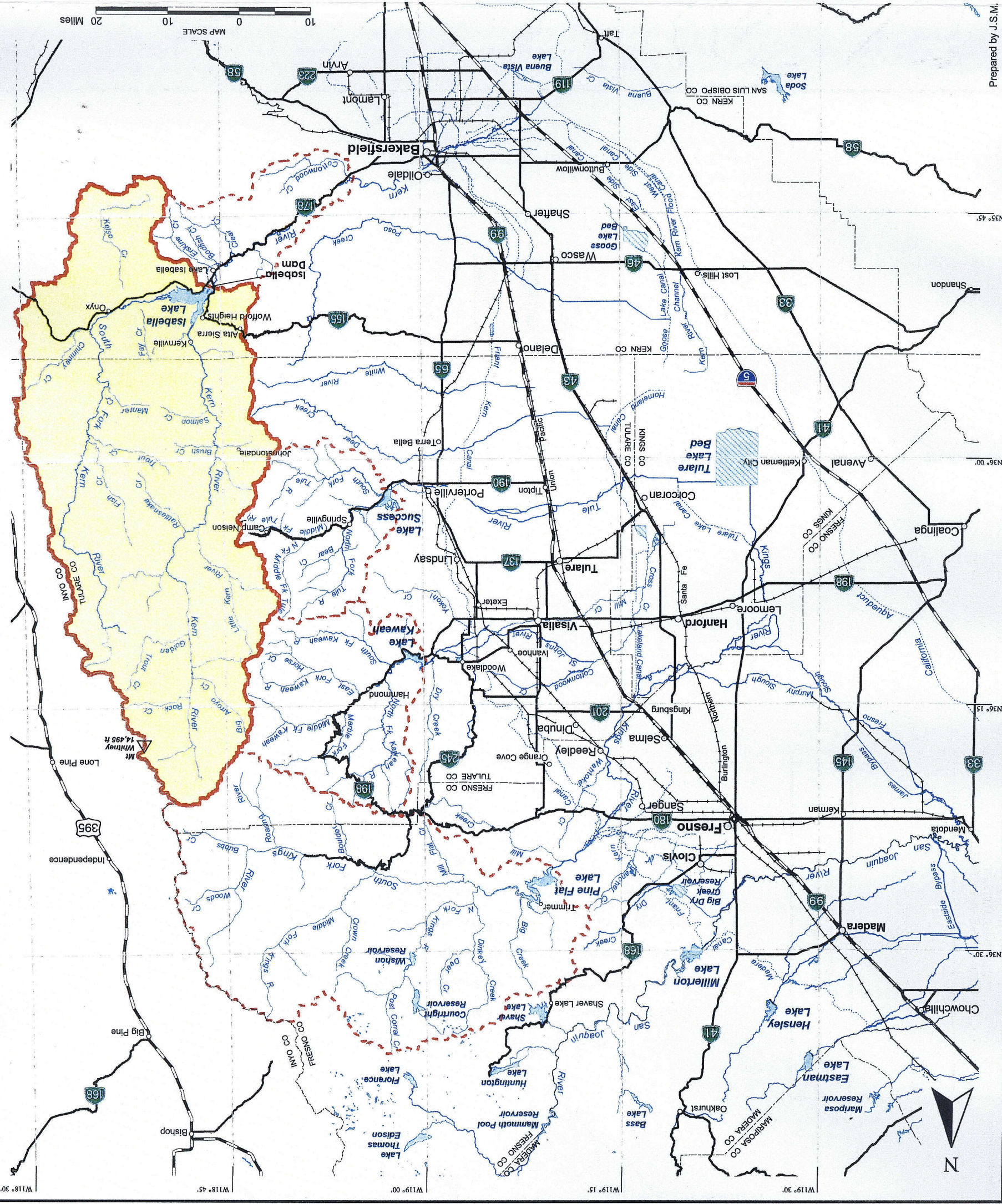
U.S. ARMY CORPS OF ENGINEERS  
SACRAMENTO DISTRICT

### GENERAL MAP

ISABELLA DAM AND LAKE  
KERN RIVER, CALIFORNIA

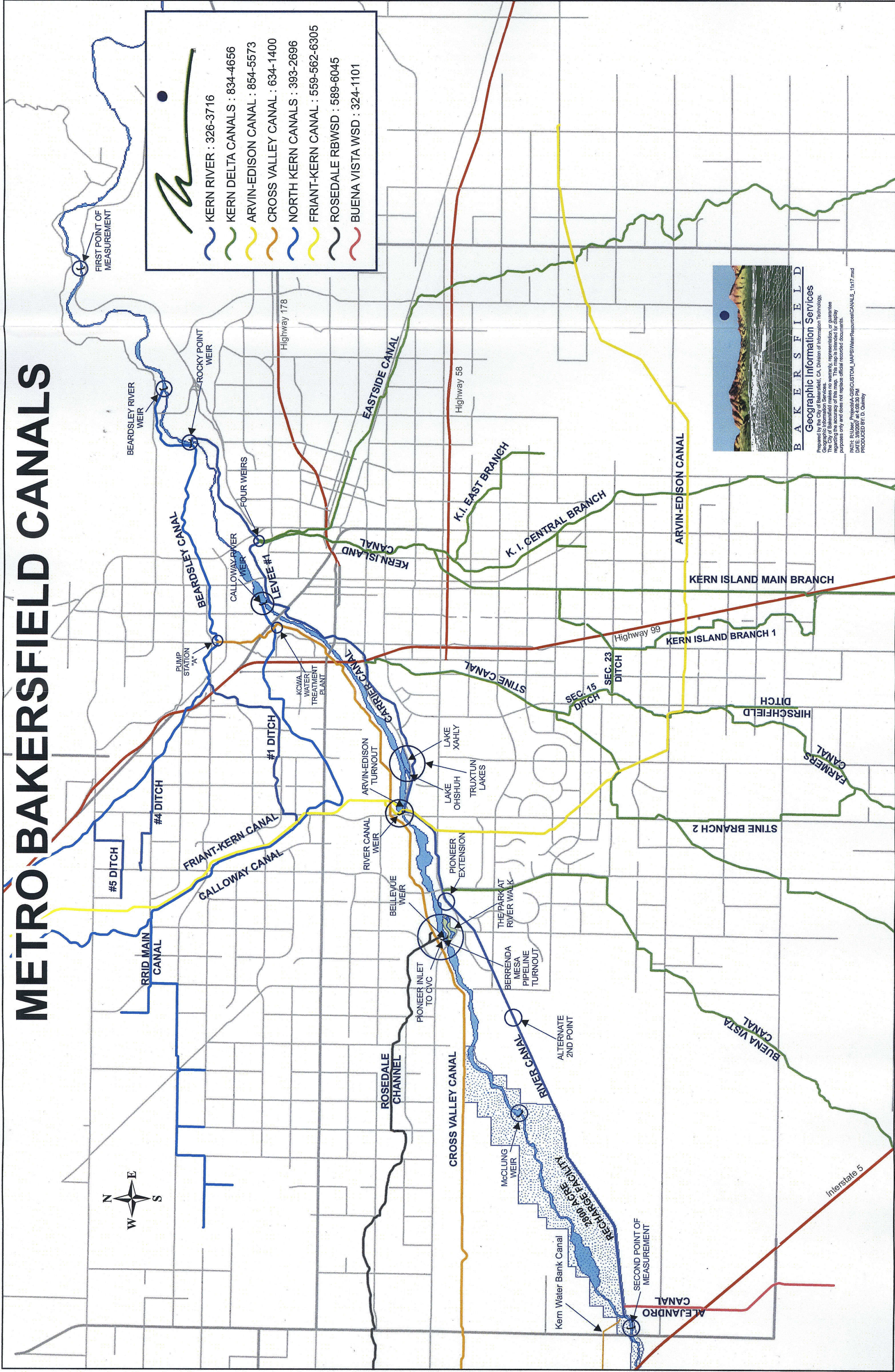
### MAP LEGEND

-  Project Watershed
-  Related Watershed
-  Lake or Reservoir
-  Intermittent Water
-  Major River
-  Stream
-  County Boundary
-  Railroad
-  State Route
-  Interstate or Highway
-  Canal
-  City or Town



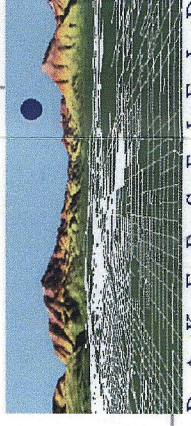
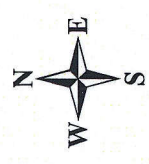
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# METRO BAKERSFIELD CANALS

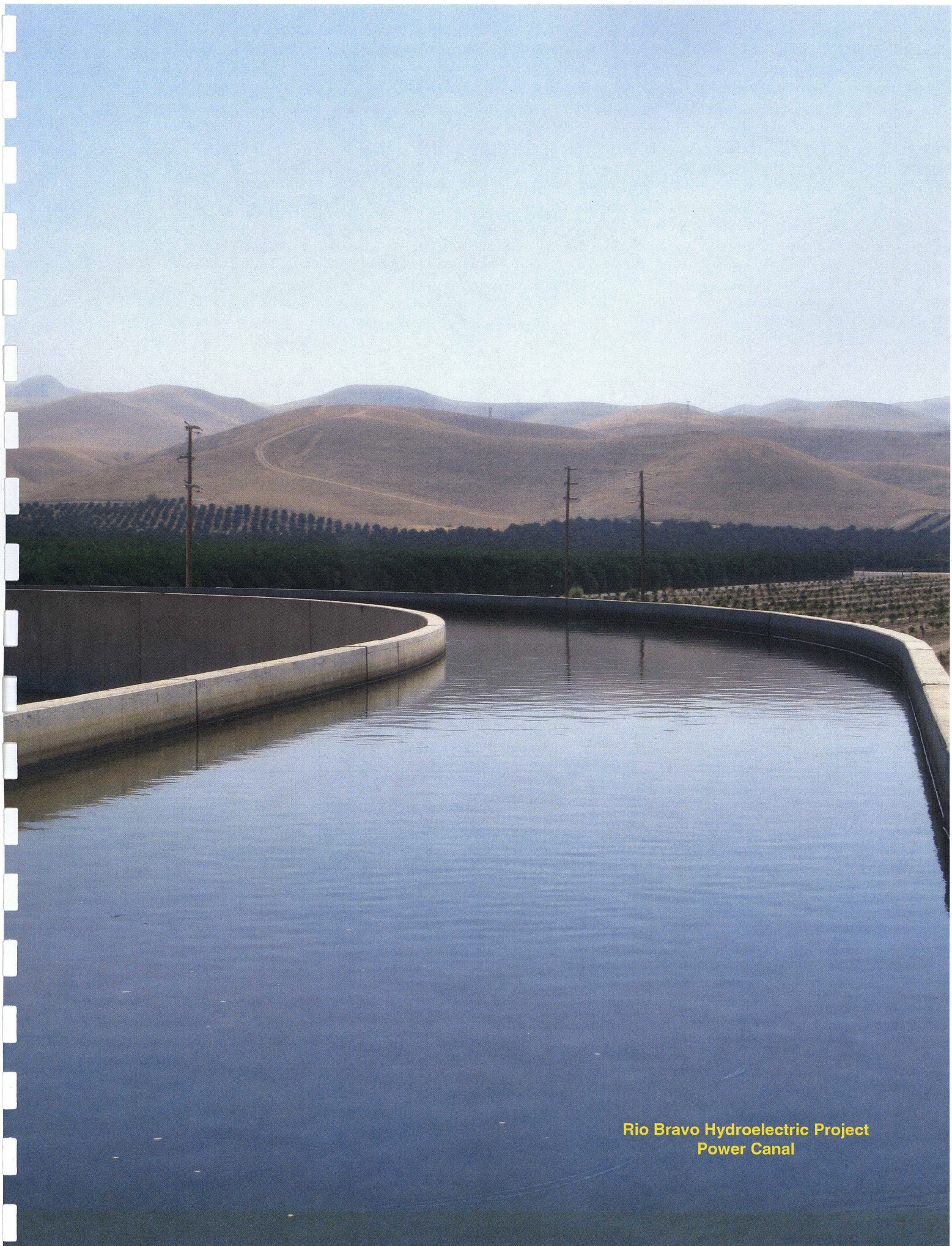


**Legend:**

- KERN RIVER : 326-3716
- 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



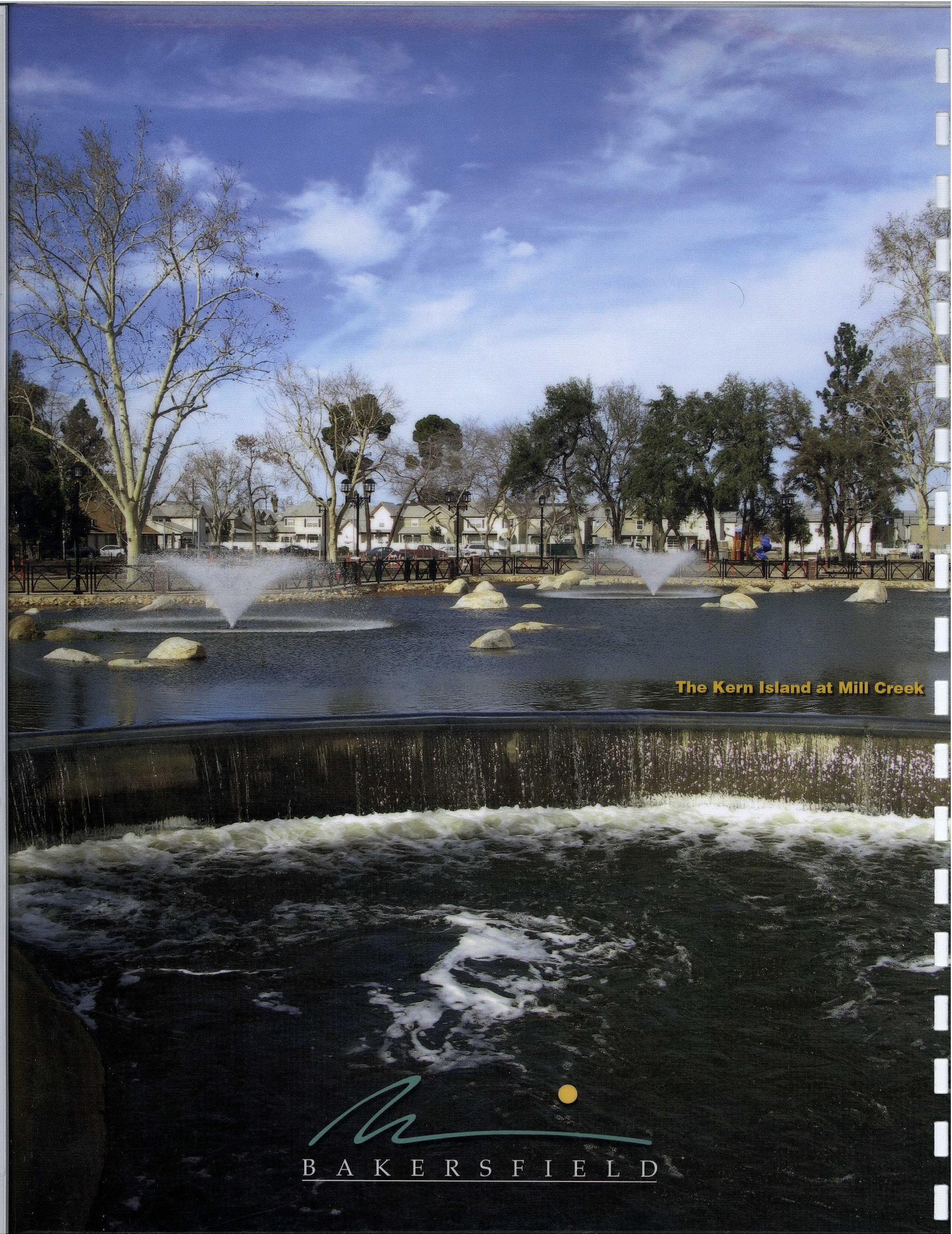
**B A K E R S F I E L D**  
 Geographic Information Services  
 Prepared by the City of Bakersfield, CA, Division of Information Technology.  
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 DATE: 3/22/2007 at 4:08:30 PM  
 PRODUCED BY: D. Quimby



Rio Bravo Hydroelectric Project  
Power Canal







The Kern Island at Mill Creek

  
BAKERSFIELD