

SUMMARY OF
KERN DELTA WATER DISTRICT
SURPLUS ENTITLEMENTS
(ACRE-FEET)

1954-2008

Month	CANAL				TOTAL
	Kern Island (1st)	Buena Vista (1st)	Stine	Farmers	
January	8,676	2,335			11,011
August				467	467
September			836	537	1,373
October	6,668		274		6,942
November	11,142	1,043	677		12,862
December	13,963	1,725	1,464	838	17,990
AVERAGE	40,449	5,102	3,253	1,842	50,646
MAXIMUM	56,028	13,402	32,937	20,996	123,363
MINIMUM	15,648	0	0	0	15,648

KERN ISLAND CANAL (Ist)
RECAPITULATION OF SURPLUS ENTITLEMENT
1954-2008

Quantities in acre-feet

Year	January			October			November			December			Total Surplus Ent'l
	Gross	Preserved	Surplus	Gross	Preserved	Surplus	Gross	Preserved	Surplus	Gross	Preserved	Surplus	
	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	
1954	15731	8493	7238	11839	6989	4850	14616	3375	11241	16731	2050	14681	38010
1955	17931	8493	9438	9515	6989	2526	11935	3375	8560	18228	2050	16178	36702
1956	18446	8493	9953	17950	6989	10961	16249	3375	12874	15358	2050	13308	47096
1957	16409	8493	7916	12990	6989	6001	13551	3375	10176	16512	2050	14462	38555
1958	16215	8493	7722	17937	6989	10948	17322	3375	13947	17548	2050	15498	48115
1959	17919	8493	9426	9227	6989	2238	9810	3375	6435	10538	2050	8488	26587
1960	12653	8493	4160	9943	6989	2954	13525	3375	10150	12258	2050	10208	27472
1961	10984	8493	2491	7107	6989	118	8900	3375	5525	11625	2050	9575	17709
1962	12803	8493	4310	13466	6989	6477	11923	3375	8548	11260	2050	9210	28545
1963	11413	8493	2920	17770	6989	10781	17197	3375	13822	17780	2050	15730	43253
1964	17792	8493	9299	8581	6989	1592	13033	3375	9658	15548	2050	13498	34047
1965	18446	8493	9953	16859	6989	9870	16736	3375	13361	18446	2050	16396	49580
1966	18446	8493	9953	10118	6989	3129	12976	3375	9601	18446	2050	16396	39079
1967	18446	8493	9953	18446	6989	11457	17851	3375	14476	18446	2050	16396	52282
1968	18446	8493	9953	12922	6989	5933	15671	3375	12296	16171	2050	14121	42303
1969	18446	8493	9953	18446	6989	11457	17851	3375	14476	18446	2050	16396	52282
1970	18446	8493	9953	12625	6989	5636	16013	3375	12638	18446	2050	16396	44623
1971	18446	8493	9953	10864	6989	3875	13447	3375	10072	15830	2050	13780	37680
1972	18379	8493	9886	10755	6989	3766	14014	3375	10639	17830	2050	15780	40071
1973	17693	8493	9200	17550	6989	10561	17131	3375	13756	18446	2050	16396	49913
1974	18446	8493	9953	18311	6989	11322	17300	3375	13925	18432	2050	16382	51582
1975	18091	8493	9598	15342	6989	8353	14315	3375	10940	15634	2050	13584	42475
1976	15622	8493	7129	16905	6989	9916	12299	3375	8924	10515	2050	8465	34434
1977	12780	8493	4287	7470	6989	481	7801	3375	4426	13454	2050	11404	20598
1978	18447	8493	9954	18446	6989	11457	17851	3375	14476	18446	2050	16396	52283
1979	18446	8493	9953	17161	6989	10172	17357	3375	13982	17742	2050	15692	49799
1980	21515	8493	13022	18329	6989	11340	17851	3375	14476	18446	2050	16396	55234
1981	18446	8493	9953	13874	6989	6885	17272	3375	13897	18371	2050	16321	47056
1982	18446	8493	9953	18446	6989	11457	18026	3375	14651	18500	2050	16450	52511
1983	18446	8493	9953	18446	6989	11457	17851	3375	14476	18530	2050	16480	52366
1984	18446	8493	9953	18383	6989	11394	17851	3375	14476	18446	2050	16396	52219
1985	18446	8493	9953	15809	6989	8820	17000	3375	13625	18446	2050	16396	48794
1986	18446	8493	9953	18446	6989	11457	17851	3375	14476	18446	2050	16396	52282
1987	18446	8493	9953	10808	6989	3819	14090	3375	10715	15291	2050	13241	37728
1988	18198	8493	9705	8607	6989	1618	10258	3375	6883	13994	2050	11944	30150
1989	15271	8493	6778	10148	6989	3159	10052	3375	6677	10273	2050	8223	24837
1990	12240	8493	3747	8158	6989	1169	7685	3375	4310	8472	2050	6422	15648
1991	10255	8493	1762	8610	6989	1621	12882	3375	9507	12391	2050	10341	23231
1992	13357	8493	4864	8051	6989	1062	10399	3375	7024	13827	2050	11777	24727
1993	18244	8493	9751	13547	6989	6558	13464	3375	10089	16713	2050	14663	41061
1994	17637	8493	9144	14063	6989	7074	12015	3375	8640	14831	2050	12781	37639
1995	18171	8493	9678	18446	6989	11457	17851	3375	14476	18446	2050	16396	52007
1996	18446	8493	9953	14997	6989	8008	17522	3375	14147	18676	2050	16626	48734
1997	22439	8493	13946	18256	6989	11267	17794	3375	14419	18446	2050	16396	56028
1998	18446	8493	9953	18446	6989	11457	17851	3375	14476	18446	2050	16396	52282
1999	18446	8493	9953	11038	6989	4049	11633	3375	8258	12381	2050	10331	32591
2000	15346	8493	6853	12236	6989	5247	12109	3375	8734	12012	2050	9962	30796
2001	14273	8493	5780	8466	6989	1477	12942	3375	9567	17615	2050	15565	32389
2002	18446	8493	9953	8263	6989	1274	17217	3375	13842	18446	2050	16396	41465
2003	18446	8493	9953	10122	6989	3133	12307	3375	8932	15618	2050	13568	35586
2004	18446	8493	9953	12140	6989	5151	13852	3375	10477	15572	2050	13522	39103
2005	18611	8493	10118	18446	6989	11457	17851	3375	14476	18446	2050	16396	52447
2006	18446	8493	9953	18398	6989	11409	16470	3375	13095	18049	2050	15999	50456
2007	18265	8493	9772	9275	6989	2286	9445	3375	6070	12010	2050	9960	28088
2008	16933	8493	8440	10346	6989	3357	12393	3375	9018	13445	2050	11395	32210
Max.	22439		13946	18446		11457	18026		14651	18676		16626	56028
Min.	10255		1762	7107		118	7685		4310	8472		6422	15648
Average	17169		8676	13657		6668	14517		11142	16013		13963	40449

BUENA VISTA CANAL (1st)
RECAPITULATION OF SURPLUS ENTITLEMENT
1954-2008

Quantities in acre-feet

Year	January			November			December			Total Surplus Ent'l
	Gross	Preserved	Surplus	Gross	Preserved	Surplus	Gross	Preserved	Surplus	
	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	
1954	422	347	75	0	236	0	179	191	0	75
1955	152	347	0	0	236	0	2654	191	2463	2463
1956	2218	347	1871	28	236	0	0	191	0	1871
1957	252	347	0	0	236	0	436	191	245	245
1958	558	347	211	577	236	341	52	191	0	552
1959	488	347	141	0	236	0	0	191	0	141
1960	0	347	0	0	236	0	0	191	0	0
1961	0	347	0	0	236	0	0	191	0	0
1962	159	347	0	0	236	0	0	191	0	0
1963	476	347	129	2997	236	2761	952	191	771	3661
1964	702	347	355	41	236	0	1287	191	1096	1451
1965	4414	347	4067	2011	236	1775	3642	191	3451	9293
1966	4239	347	3892	307	236	71	8514	191	8323	12286
1967	4733	347	4386	3090	236	2854	4441	191	4250	11490
1968	4415	347	4068	347	236	111	762	191	571	4750
1969	4842	347	4495	4153	236	3917	4477	191	4286	12698
1970	4594	347	4247	1071	236	835	4151	191	3960	9042
1971	4318	347	3971	0	236	0	986	191	795	4766
1972	82	347	0	0	236	0	1055	191	864	864
1973	3519	347	3172	2489	236	2253	4364	191	4173	9598
1974	4786	347	4439	886	236	650	1995	191	1804	6893
1975	1541	347	1194	3	236	0	0	191	0	1194
1976	0	347	0	0	236	0	0	191	0	0
1977	0	347	0	0	236	0	1180	191	989	989
1978	4677	347	4330	4306	236	4070	4286	191	4095	12495
1979	4608	347	4261	230	236	0	304	191	113	4374
1980	4703	347	4356	3945	236	3709	4594	191	4403	12468
1981	4362	347	4015	486	236	250	1343	191	1152	5417
1982	4661	347	4314	4703	236	4467	4812	191	4621	13402
1983	4657	347	4310	4604	236	4368	4768	191	4577	13255
1984	4828	347	4481	4364	236	4128	4745	191	4554	13163
1985	4766	347	4419	1301	236	1065	4621	191	4430	9914
1986	4725	347	4378	3868	236	3632	2529	191	2338	10348
1987	3352	347	3005	0	236	0	63	191	0	3005
1988	1500	347	1153	2	236	0	224	191	33	1186
1989	0	347	0	0	236	0	0	191	0	0
1990	0	347	0	0	236	0	0	191	0	0
1991	0	347	0	176	236	0	0	191	0	0
1992	0	347	0	0	236	0	28	191	0	0
1993	3797	347	3450	174	236	0	401	191	210	3660
1994	357	347	10	60	236	0	0	191	0	10
1995	4340	347	3993	2205	236	1969	3510	191	3419	9381
1996	4665	347	4318	2152	236	1916	4760	191	4569	10803
1997	5482	347	5135	2535	236	2299	4554	191	4363	11797
1998	4750	347	4403	4544	236	4308	4685	191	4494	13205
1999	4683	347	4336	0	236	0	0	191	0	4336
2000	914	347	567	0	236	0	0	191	0	567
2001	152	347	0	498	236	262	664	191	473	735
2002	2958	347	2611	3810	236	3574	3489	191	3298	9483
2003	4687	347	4340	0	236	0	520	191	329	4669
2004	2499	347	2152	0	236	0	480	191	289	2441
2005	4324	347	3977	1778	236	1542	4488	191	4297	9816
2006	4746	347	4399	127	236	0	643	191	452	4851
2007	665	347	318	0	236	0	202	191	11	329
2008	1015	347	668	468	236	232	481	191	290	1190
Max.	5482		5135	4703		4467	8514		8323	13402
Min.	0		0	0		0	0		0	0
Average	2614		2335	1170		1043	1862		1725	5102

**STINE CANAL
RECAPITULATION OF SURPLUS ENTITLEMENT
1954-2008**

Quantities in acre-feet

Year	September			October			November			December			Total Surplus Ent'l	
	Gross	Preserved	Surplus	Gross	Preserved	Surplus	Gross	Preserved	Surplus	Gross	Preserved	Surplus		
	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =		
1954	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1955	0	583	0	0	1380	0	0	22	0	0	3263	12	3251	3251
1956	0	583	0	24	1380	0	0	22	0	0	0	12	0	0
1957	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1958	377	583	0	0	1380	0	0	22	0	0	0	12	0	0
1959	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1960	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1961	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1962	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1963	916	583	333	787	1380	0	0	22	0	0	0	12	0	333
1964	0	583	0	0	1380	0	0	22	0	0	2382	12	2370	2370
1965	0	583	0	0	1380	0	1892	22	1870	0	1113	12	1101	2971
1966	0	583	0	0	1380	0	198	22	176	0	15467	12	15455	15631
1967	8686	583	8103	3656	1380	2276	2470	22	2448	0	1712	12	1700	14527
1968	0	583	0	0	1380	0	0	22	0	0	6730	12	6718	6718
1969	7603	583	7020	2475	1380	1095	2337	22	2315	0	2033	12	2021	12451
1970	0	583	0	0	1380	0	1517	22	1495	0	185	12	173	1668
1971	0	583	0	0	1380	0	0	22	0	0	111	12	99	99
1972	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1973	0	583	0	0	1380	0	486	22	464	0	6420	12	6408	6872
1974	0	583	0	0	1380	0	0	22	0	0	91	12	79	79
1975	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1976	1416	583	833	18	1380	0	0	22	0	0	0	12	0	833
1977	0	583	0	0	1380	0	0	22	0	0	1375	12	1363	1363
1978	7886	583	7303	183	1380	0	20	22	0	0	173	12	161	7464
1979	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1980	2888	583	2305	0	1380	0	0	22	0	0	432	12	420	2725
1981	0	583	0	0	1380	0	0	22	0	0	579	12	567	567
1982	2991	583	2408	5379	1380	3999	8347	22	8325	0	9023	12	9011	23743
1983	8795	583	8212	8997	1380	7617	8208	22	8186	0	8934	12	8922	32937
1984	146	583	0	218	1380	0	2039	22	2017	0	4762	12	4750	6767
1985	0	583	0	0	1380	0	672	22	650	0	1470	12	1458	2108
1986	434	583	0	81	1380	0	2	22	0	0	0	12	0	0
1987	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1988	0	583	0	0	1380	0	0	22	0	0	202	12	190	190
1989	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1990	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1991	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1992	0	583	0	81	1380	0	0	22	0	0	0	12	0	0
1993	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1994	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
1995	3969	583	3386	0	1380	0	0	22	0	0	857	12	845	4231
1996	0	583	0	0	1380	0	3650	22	3628	0	8081	12	8069	11697
1997	571	583	0	0	1380	0	119	22	97	0	801	12	789	886
1998	6647	583	6064	1470	1380	90	1490	22	1468	0	1234	12	1222	8844
1999	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
2000	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
2001	0	583	0	0	1380	0	291	22	269	0	869	12	857	1126
2002	0	583	0	0	1380	0	3703	22	3681	0	938	12	926	4607
2003	0	583	0	0	1380	0	0	22	0	0	341	12	329	329
2004	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
2005	0	583	0	4	1380	0	0	22	0	0	1279	12	1267	1267
2006	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
2007	0	583	0	0	1380	0	0	22	0	0	0	12	0	0
2008	0	583	0	0	1380	0	150	22	128	0	150	12	138	266
Max.	8795		8212	8997		7617	8347		8326	15467		15455	32937	
Min.	0		0	0		0	0		0	0		0	0	
Average	970		836	425		274	683		677	1473		1467	3253	

**FARMERS CANAL
RECAPITULATION OF SURPLUS ENTITLEMENT
1954-2008**

Quantities in acre-feet

Year	August			September			December			Total Surplus Ent'l
	Gross	Preserved	Surplus	Gross	Preserved	Surplus	Gross	Preserved	Surplus	
	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	Ent'l +	Ent'l -	Ent'l =	
1954	0	610	0	0	268	0	0	207	0	0
1955	0	610	0	0	268	0	2541	207	2334	2334
1956	660	610	50	0	268	0	0	207	0	50
1957	0	610	0	0	268	0	0	207	0	0
1958	2987	610	2377	0	268	0	0	207	0	2377
1959	0	610	0	0	268	0	0	207	0	0
1960	0	610	0	0	268	0	0	207	0	0
1961	0	610	0	0	268	0	0	207	0	0
1962	6	610	0	0	268	0	0	207	0	0
1963	1216	610	606	0	268	0	0	207	0	606
1964	0	610	0	0	268	0	2364	207	2157	2157
1965	976	610	366	0	268	0	454	207	247	613
1966	0	610	0	0	268	0	15340	207	15133	15133
1967	3596	610	2986	7372	268	7104	0	207	0	10090
1968	0	610	0	0	268	0	0	207	0	0
1969	3771	610	3161	3455	268	3187	103	207	0	6348
1970	0	610	0	0	268	0	0	207	0	0
1971	0	610	0	0	268	0	0	207	0	0
1972	0	610	0	0	268	0	0	207	0	0
1973	417	610	0	0	268	0	0	207	0	0
1974	454	610	0	0	268	0	0	207	0	0
1975	0	610	0	0	268	0	0	207	0	0
1976	0	610	0	883	268	615	0	207	0	615
1977	0	610	0	0	268	0	841	207	634	634
1978	2235	610	1625	3045	268	2777	0	207	0	4402
1979	0	610	0	0	268	0	0	207	0	0
1980	2549	610	1939	335	268	67	149	207	0	2006
1981	0	610	0	0	268	0	0	207	0	0
1982	2111	610	1501	1974	268	1706	8140	207	7933	11140
1983	4360	610	3750	8787	268	8519	8934	207	8727	20996
1984	926	610	316	0	268	0	508	207	301	617
1985	0	610	0	0	268	0	718	207	511	511
1986	1607	610	997	0	268	0	0	207	0	997
1987	0	610	0	0	268	0	0	207	0	0
1988	0	610	0	0	268	0	0	207	0	0
1989	0	610	0	0	268	0	0	207	0	0
1990	0	610	0	0	268	0	0	207	0	0
1991	0	610	0	0	268	0	0	207	0	0
1992	0	610	0	0	268	0	0	207	0	0
1993	91	610	0	0	268	0	0	207	0	0
1994	0	610	0	0	268	0	0	207	0	0
1995	3322	610	2712	1739	268	1471	294	207	87	4270
1996	0	610	0	0	268	0	6698	207	6491	6491
1997	167	610	0	294	268	26	196	207	0	26
1998	3549	610	2939	4308	268	4040	0	207	0	6979
1999	0	610	0	0	268	0	0	207	0	0
2000	0	610	0	0	268	0	0	207	0	0
2001	0	610	0	0	268	0	869	207	662	662
2002	0	610	0	0	268	0	395	207	188	188
2003	34	610	0	0	268	0	214	207	7	7
2004	0	610	0	0	268	0	0	207	0	0
2005	984	610	374	0	268	0	867	207	660	1034
2006	317	610	0	0	268	0	0	207	0	0
2007	0	610	0	0	268	0	0	207	0	0
2008	0	610	0	0	268	0	150	207	0	0
Max.	4360		3750	8787		8519	15340		15133	20996
Min.	0		0	0		0	0		0	0
Average	661		467	585		537	905		838	1842