

Orange Cove Irrigation District

USBR Contract 39,200 Class I (af):

Average Ground Surface Elevation 427

Water Year October - September	AREA		WATER REQUIREMENTS			GROUNDWATER			SURFACE WATER		
	Gross	Irrigated	Consumptive Use	Effective Precipitation	Crop Irrigation Requirement (C.I.R.)	Average Depth to Water	Spring to Spring Avg. Change	Volume Change (S.Y. 8%)	Surface Water Delivery (March - Feb)		% of Crop Irrigation Requirement met by Surface Water Deliveries
	acres		acre-feet			feet		acre-feet	acre-feet	acre-feet / acre	%
1946						39.5	-6.5	0			
1947						46.0	-6.5	0			
1948						52.0	-6.0	0			
1949	27,021	9,470	23,246	3,314	19,932	54.2	-2.2	-4,756	2,838	0.30	14.2%
1950	27,021	10,917	27,597	4,367	23,230	57.3	-3.1	-6,701	10,104	0.93	43.5%
1951	27,021	14,269	35,663	6,421	29,242	58.8	-1.5	-3,243	24,799	1.74	84.8%
1952	25,333	15,307	38,115	14,542	23,573	51.3	7.5	15,200	27,575	1.80	117.0%
1953	25,660	17,048	42,792	7,672	35,120	42.0	9.3	19,091	30,126	1.77	85.8%
1954	25,423	16,263	40,237	6,505	33,732	41.5	0.5	1,017	31,131	1.91	92.3%
1955	27,096	16,985	42,034	8,479	33,555	41.0	0.5	1,084	28,885	1.70	86.1%
1956	27,096	16,940	41,916	15,415	26,501	35.1	5.9	12,789	26,371	1.56	99.5%
1957	27,096	16,490	40,995	5,772	35,223	31.3	3.8	8,237	26,129	1.58	74.2%
1958	27,096	16,864	39,828	12,648	27,180	31.1	0.2	434	24,172	1.43	88.9%
1959	27,096	19,480	43,518	2,143	41,375	25.0	6.1	13,223	29,335	1.51	70.9%
1960	27,096	20,277	45,904	3,042	42,862	25.9	-0.9	-1,951	34,753	1.71	81.1%
1961	27,064	20,526	45,091	6,158	38,933	30.1	-4.2	-9,094	27,158	1.32	69.8%
1962	27,064	21,203	46,884	13,782	33,102	32.9	-2.8	-6,062	32,800	1.55	99.1%
1963	27,884	21,579	47,608	12,732	34,876	31.1	1.8	4,015	26,668	1.24	76.5%
1964	27,886	21,679	48,219	6,937	41,282	27.2	3.9	8,700	33,547	1.55	81.3%
1965	27,886	21,780	48,914	12,850	36,064	28.4	-1.2	-2,677	30,436	1.40	84.4%
1966	27,886	21,662	49,066	5,416	43,650	25.8	2.6	5,800	34,667	1.60	79.4%
1967	27,064	21,779	49,519	18,294	31,225	27.3	-1.5	-3,248	28,134	1.29	90.1%
1968	27,064	22,325	51,559	6,698	44,861	22.7	4.6	9,960	31,861	1.43	71.0%
1969	27,064	22,262	52,726	33,616	19,110	22.4	0.3	650	28,109	1.26	147.1%
1970	27,064	22,602	53,684	7,007	46,677	17.0	5.4	11,692	33,989	1.50	72.8%
1971	27,064	22,787	54,644	8,431	46,213	18.3	-1.3	-2,815	31,879	1.40	69.0%
1972	27,064	22,605	54,696	4,747	49,949	21.8	-3.5	-7,578	37,369	1.65	74.8%
1973	27,064	22,219	53,853	20,664	33,189	23.4	-1.6	-3,464	29,677	1.34	89.4%
1974	27,867	23,527	57,212	14,587	42,625	19.5	3.9	8,695	33,604	1.43	78.8%
1975	27,064	23,819	58,213	10,004	48,209	21.2	-1.7	-3,681	35,856	1.51	74.4%
1976	27,064	23,607	57,818	8,498	49,320	25.1	-3.9	-8,444	25,530	1.08	51.8%
1977	27,064	22,861	56,204	2,743	53,461	29.5	-4.4	-9,527	18,704	0.82	35.0%
1978	27,064	23,269	57,603	20,942	36,661	35.4	-5.9	-12,774	31,401	1.35	85.7%
1979	27,064	23,274	56,646	9,310	47,336	27.4	8.0	17,321	36,760	1.58	77.7%
1980	27,064	23,726	58,502	14,236	44,266	27.0	0.4	866	37,269	1.57	84.2%
1981	27,064	23,750	57,125	9,378	47,747	29.2	-2.2	-4,763	37,740	1.59	79.0%
1982	28,122	23,616	59,102	21,254	37,848	26.7	2.5	5,624	29,992	1.27	79.2%
1983	28,122	23,373	58,174	21,036	37,138	19.1	7.6	17,098	29,836	1.28	80.3%
1984	28,122	22,992	57,150	5,748	51,402	15.8	3.3	7,424	38,729	1.68	75.3%
1985	28,122	23,152	54,810	7,177	47,633	20.0	-4.2	-9,449	37,443	1.62	78.6%
1986	28,859	24,020	63,384	15,880	47,504	22.2	-2.2	-5,079	36,278	1.51	76.4%
1987	29,187	23,522	62,112	12,589	49,523	21.3	0.9	2,101	29,736	1.26	60.0%
1988	29,187	22,964	58,682	14,414	44,268	25.5	-4.2	-9,807	30,614	1.33	69.2%
1989	29,187	23,342	61,531	3,123	58,408	31.1	-5.6	-13,076	37,338	1.60	63.9%
1990	29,187	24,200	61,954	8,182	53,772	33.4	-2.3	-5,370	30,544	1.26	56.8%
1991	29,133	25,078	62,200	18,223	43,977	40.4	-7.0	-16,314	31,742	1.27	72.2%
1992	29,133	24,820	61,428	20,435	40,993	30.4	10.0	23,306	34,884	1.41	85.1%
1993	28,289	27,980	69,111	21,222	47,888	33.1	-2.7	-6,110	32,773	1.17	68.4%
1994	28,289	27,980	69,111	15,614	53,497	30.5	2.6	5,884	28,061	1.00	52.5%
1995	28,289	27,980	69,111	27,825	41,285	27.4	3.1	7,016	33,515	1.20	81.2%
1996	28,007	27,595	68,160	10,297	57,863	19.5	7.9	17,700	34,793	1.26	60.1%
1997	27,994	27,582	68,128	6,192	61,935	18.8	0.7	1,568	35,017	1.27	56.5%
1998	27,994	27,646	68,286	19,423	48,863	14.7	4.1	9,182	23,783	0.86	48.7%
1999	27,972	27,624	68,231	1,396	66,835	20.2	-5.5	-12,308	28,456	1.03	42.6%
2000	27,994	27,608	68,192	4,181	64,011	18.9	1.3	2,911	26,938	0.98	42.1%
2001	28,024	27,571	68,100	2,160	65,940	29.5	-10.6	-23,764	29,902	1.08	45.3%
2002	28,024	27,181	67,137	1,385	65,752	33.2	-3.7	-8,295	30,427	1.12	46.3%
2003	27,994	27,121	66,989	8,012	58,977	34.6	-1.4	-3,135	30,083	1.11	51.0%
2004	27,936	26,478	65,401	7,162	58,239	27.8	6.8	15,197	32,091	1.21	55.1%
2005	28,002	26,854	66,329	16,384	49,946	22.8	5.0	11,201	29,113	1.08	58.3%
2006	27,931	26,812	66,226	20,247	45,979	23.9	-1.1	-2,458	31,652	1.18	68.8%
2007	27,931	26,812	66,226	4,157	62,068	27.3	-3.4	-7,597	24,748	0.92	39.9%
2008	27,956	27,540	68,024	6,298	61,726	29.1	-1.8	-4,026	26,404	0.96	42.8%
2009	27,961	27,547	68,041	7,703	60,338	31.7	-2.6	-5,816	26,249	0.95	43.5%
2010	27,963	27,533	68,007	34,066	33,941	23.0	8.7	19,462	25,520	0.93	75.2%
2011	27,962	26,080	64,418	9,289	55,129	21.7	1.3	2,908	28,523	1.09	51.7%
2012	27,936	26,047	64,336	9,163	55,173	27.8	-6.1	-13,633	26,114	1.00	47.3%
2013	27,936	26,040	64,319	1,966	62,353	33.7	-5.9	-13,186	28,560	1.10	45.8%
2014	27,936	26,040	64,319	2,000	62,319	43.7	-10.0	-22,349	9,020	0.35	14.5%
2015	27,936	26,040	64,319	1,000	63,319	48.9	-5.2	-11,532	9,267	0.36	14.6%
Average	27,658	23,103	56,398	10,784	45,614	29	-0.227	49	29,217	1.28	68%