

## Appendix C–Water Year Indices and Classifications

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**Water year indices and classifications in the Sacramento and San Joaquin Valleys from 1906 to 2015 (Data from CDEC, accessed online 1-11-16).**

Water Year	Sacramento Valley					San Joaquin Valley				
	Runoff (MAF)			Index	Year Type	Runoff (MAF)			Index	Year Type
	Oct-Mar	Apr-Jul	WY Sum			Oct-Mar	Apr-Jul	WY Sum		
1906	12.57	12.92	26.71	11.76	W	2.53	9.24	12.43	6.7	W
1907	18.96	13.45	33.7	14.07	W	3.67	7.61	11.82	6.2	W
1908	8.29	5.6	14.77	7.73	BN	0.98	2.17	3.32	2.4	D
1909	20.61	8.98	30.68	12.1	W	2.85	5.91	8.97	4.59	W
1910	13.12	6.11	20.12	9.38	W	2.87	3.62	6.64	3.65	AN
1911	12.27	13.12	26.38	11.74	W	3.63	7.52	11.48	5.97	W
1912	4.84	5.65	11.41	6.71	BN	0.54	2.57	3.21	2.55	BN
1913	5.72	6.29	12.85	6.24	D	0.44	2.34	3	2	C
1914	16.72	10.08	27.81	10.92	W	2.72	5.67	8.69	4.35	W
1915	11.41	11.42	23.86	10.99	W	1.29	4.95	6.4	4.1	W
1916	14.25	8.89	24.14	10.83	W	2.67	5.5	8.38	4.65	W
1917	7.25	9.14	17.26	8.83	AN	1.66	4.84	6.66	4.13	W
1918	5.27	4.89	10.99	6.19	D	1.07	3.4	4.59	3.08	BN
1919	8.12	6.77	15.66	7	BN	1.06	2.99	4.09	2.62	BN
1920	3.63	4.91	9.2	5.15	C	0.72	3.29	4.09	2.64	BN
1921	15.47	7.52	23.8	9.2	AN	1.97	3.84	5.9	3.23	AN
1922	6.63	10.57	17.98	8.97	AN	1.51	5.99	7.68	4.54	W
1923	6.21	6.27	13.21	7.06	BN	1.39	3.95	5.51	3.55	AN
1924	3.27	1.94	5.74	3.87	C	0.45	1.03	1.5	1.42	C
1925	8.76	6.51	15.99	6.39	D	1.45	3.93	5.51	2.93	BN
1926	6.37	4.79	11.76	5.75	D	0.89	2.56	3.49	2.3	D
1927	14.34	8.75	23.83	9.52	W	1.8	4.56	6.5	3.56	AN
1928	10.24	5.86	16.76	8.27	AN	1.69	2.64	4.37	2.63	BN
1929	4	3.84	8.4	5.22	C	0.52	2.29	2.84	2	C
1930	8.24	4.65	13.52	5.9	D	0.76	2.44	3.25	2.02	C
1931	3.52	2.09	6.1	3.66	C	0.46	1.18	1.66	1.2	C
1932	6.28	6.24	13.12	5.48	D	1.79	4.69	6.63	3.41	AN
1933	3.73	4.66	8.94	4.63	C	0.49	2.77	3.34	2.44	D
1934	5.68	2.45	8.63	4.07	C	0.98	1.26	2.28	1.44	C
1935	6.27	9.69	16.59	6.98	BN	1.26	5.03	6.41	3.56	AN
1936	10.32	6.41	17.35	7.75	BN	2	4.38	6.49	3.74	AN
1937	5.5	7.24	13.33	6.87	BN	1.78	4.66	6.53	3.9	W
1938	17.96	12.93	31.83	12.62	W	3.58	7.33	11.24	5.89	W
1939	4.56	3.04	8.18	5.58	D	1	1.83	2.9	2.2	D
1940	14.78	6.93	22.43	8.88	AN	2.49	4.04	6.59	3.36	AN
1941	16.32	9.77	27.08	11.47	W	2.22	5.51	7.93	4.43	W
1942	14.33	9.93	25.24	11.27	W	1.93	5.28	7.38	4.44	W
1943	13.37	6.9	21.13	9.77	W	2.86	4.28	7.28	4.03	W
1944	4.81	4.93	10.43	6.35	D	0.87	2.97	3.92	2.76	BN
1945	8.42	5.92	15.06	6.8	BN	2.07	4.37	6.6	3.59	AN
1946	10.89	5.97	17.62	7.7	BN	1.99	3.65	5.73	3.3	AN
1947	5.9	3.83	10.39	5.61	D	1.26	2.12	3.42	2.18	D
1948	5.39	9.55	15.75	7.12	BN	0.56	3.58	4.21	2.7	BN
1949	5.73	5.59	11.97	6.09	D	0.62	3.12	3.79	2.53	BN
1950	7.01	6.72	14.44	6.62	BN	1.02	3.57	4.65	2.85	BN
1951	16.77	5.42	22.95	9.18	AN	4.35	2.83	7.25	3.14	AN
1952	13.86	13.68	28.6	12.38	W	2.18	6.84	9.3	5.17	W
1953	10.84	8.26	20.09	9.55	W	1.07	3.18	4.35	3.03	BN
1954	9.74	6.81	17.43	8.51	AN	1.1	3.16	4.3	2.72	BN
1955	5.19	5.07	10.98	6.14	D	0.78	2.67	3.5	2.3	D
1956	20.32	8.6	29.89	11.38	W	4.14	5.29	9.67	4.46	W

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Water Year	Sacramento Valley					San Joaquin Valley				
	Runoff (MAF)			Index	Year Type	Runoff (MAF)			Index	Year Type
	Oct-Mar	Apr-Jul	WY Sum			Oct-Mar	Apr-Jul	WY Sum		
1957	7.72	6.29	14.89	7.83	AN	1.02	3.19	4.29	3.01	BN
1958	16.37	12.24	29.71	12.16	W	1.67	6.4	8.36	4.77	W
1959	7.4	3.84	12.05	6.75	BN	0.98	1.85	2.98	2.21	D
1960	7.72	4.65	13.06	6.2	D	0.85	2.07	2.96	1.85	C
1961	6.87	4.39	11.97	5.68	D	0.54	1.5	2.1	1.38	C
1962	8.17	6.23	15.11	6.65	BN	1.26	4.24	5.61	3.07	BN
1963	12.01	10.09	22.99	9.63	W	1.68	4.37	6.24	3.57	AN
1964	5.9	4.37	10.92	6.41	D	0.93	2.14	3.14	2.19	D
1965	16.59	8.13	25.64	10.15	W	3.2	4.55	8.13	3.81	W
1966	7.42	4.84	12.95	7.16	BN	1.49	2.42	3.98	2.51	BN
1967	12.14	11.01	24.06	10.2	W	2.46	7.09	9.98	5.25	W
1968	8.66	4.12	13.64	7.24	BN	1.02	1.85	2.94	2.21	D
1969	15.33	10.68	26.98	11.05	W	3.84	8.14	12.29	6.09	W
1970	18.87	4.35	24.06	10.4	W	2.55	2.96	5.61	3.18	AN
1971	12.71	8.9	22.57	10.37	W	1.56	3.23	4.91	2.89	BN
1972	7.61	5.02	13.43	7.29	BN	1.25	2.22	3.57	2.16	D
1973	12.8	6.38	20.05	8.58	AN	1.87	4.48	6.47	3.5	AN
1974	21.69	9.78	32.5	12.99	W	2.43	4.53	7.12	3.9	W
1975	9.24	8.95	19.23	9.35	W	1.37	4.65	6.18	3.85	W
1976	4.63	2.75	8.2	5.29	C	0.78	1.07	1.97	1.57	C
1977	2.49	1.93	5.12	3.11	C	0.22	0.8	1.05	0.84	C
1978	14.9	8.12	23.92	8.65	AN	2.57	6.5	9.65	4.58	W
1979	6.06	5.64	12.41	6.67	BN	1.87	3.99	5.98	3.67	AN
1980	15.49	6	22.33	9.04	AN	3.74	5.41	9.47	4.73	W
1981	6.81	3.63	11.1	6.21	D	0.85	2.29	3.22	2.44	D
1982	20.56	11.82	33.41	12.76	W	3.78	7	11.41	5.45	W
1983	22.75	13.66	37.68	15.29	W	5.42	8.73	15.01	7.22	W
1984	15.98	5.52	22.35	10	W	3.51	3.48	7.13	3.69	AN
1985	6.24	4	11.04	6.47	D	1.11	2.41	3.6	2.4	D
1986	19.45	5.45	25.83	9.96	W	4.36	4.92	9.5	4.31	W
1987	5.85	2.8	9.27	5.86	D	0.55	1.48	2.08	1.86	C
1988	5.78	2.9	9.23	4.65	C	0.86	1.55	2.48	1.48	C
1989	9.03	5.07	14.82	6.13	D	1.07	2.42	3.56	1.96	C
1990	4.94	3.72	9.26	4.81	C	0.83	1.59	2.46	1.51	C
1991	3.9	4.01	8.44	4.21	C	0.56	2.57	3.2	1.96	C
1992	5.41	2.93	8.87	4.06	C	0.86	1.66	2.58	1.56	C
1993	12.44	8.98	22.21	8.54	AN	2.49	5.65	8.38	4.2	W
1994	4.55	2.73	7.81	5.02	C	0.66	1.8	2.54	2.05	C
1995	19.83	13.6	34.55	12.89	W	3.67	8.01	12.32	5.95	W
1996	13.05	8.37	22.29	10.26	W	2.57	4.51	7.22	4.12	W
1997	20.22	4.39	25.42	10.82	W	5.75	3.59	9.51	4.13	W
1998	17.65	12.54	31.4	13.31	W	2.82	7.11	10.43	5.65	W
1999	12.97	7.26	21.19	9.8	W	1.9	3.85	5.91	3.59	AN
2000	12.06	5.96	18.9	8.94	AN	1.98	3.78	5.9	3.38	AN
2001	5.64	3.46	9.81	5.76	D	0.92	2.23	3.18	2.2	D
2002	9.32	4.57	14.6	6.35	D	1.27	2.75	4.06	2.34	D
2003	10.71	7.74	19.31	8.21	AN	1.25	3.49	4.87	2.81	BN
2004	10.95	4.4	16.04	7.51	BN	1.51	2.25	3.81	2.21	D
2005	8.4	9.28	18.55	8.49	AN	2.73	6.28	9.21	4.75	W
2006	18.06	13.09	32.09	13.2	W	2.86	7.37	10.44	5.9	W
2007	6.59	3.04	10.28	6.19	D	0.99	1.46	2.51	1.97	C
2008	5.9	3.82	10.28	5.16	C	0.99	2.45	3.49	2.06	C
2009	7.05	5.3	13.02	5.78	D	1.51	3.35	4.94	2.72	BN
2010	7.45	7.78	16.01	7.08	BN	1.43	4.53	6.08	3.55	AN

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Water Year	Sacramento Valley					San Joaquin Valley				
	Runoff (MAF)			Index	Year Type	Runoff (MAF)			Index	Year Type
	Oct-Mar	Apr-Jul	WY Sum			Oct-Mar	Apr-Jul	WY Sum		
2011	12.68	11.53	25.21	10.54	W	3.68	6.9	10.99	5.58	W
2012	5.69	5.46	11.84	6.89	BN	0.83	1.86	2.76	2.18	D
2013	8.52	3.01	12.19	5.83	D	1.33	1.67	3.05	1.71	C
2014	4.29	2.6	7.47	4.08	C	0.46	1.21	1.72	1.16	C
2015 <sup>a</sup>				4.0	C				0.7	C

<sup>a</sup> 2015 water year index and classification are forecasted values from May 2015; final 2015 data not currently available (1-13-16).