Department of Water Resources
California Data Exchange Center

WSIHIST (11/20/08 1524)

Department of Water Resources
California Cooperative Snow Surveys

Chronological Reconstructed Sacramento and San Joaquin Valley
Water Year Hydrologic Classification Indices

Based on measured unimpaired runoff (in million acre-feet), subject to revision.
*** See explanatory notes at bottom ***

	Sacramento Valley					San Joaquin Valley				
	Runoff (maf)			WY Index		Runoff (maf)			WY Index	
WY	Oct-Mar	Apr-Jul	WYsum	Index	Yr-type	Oct-Mar	Apr-Jul	WYsum	Index	Yr-type
1901						3.49	5.58	9.39	4.60	W
1902						1.12	3.81	5.08	3.41	AN
1903						1.45	4.13	5.71	3.45	AN
1904						1.96	5.31	7.64	4.31	W
1905						1.82	3.36	5.30	3.24	AN
1906	12.57	12.92	26.71	11.76	W	2.53	9.24	12.43	6.70	W
1907	18.96	13.45	33.70	14.07	W	3.67	7.61	11.82	6.20	W
1908	8.29	5.60	14.77	7.73	BN	0.98	2.17	3.32	2.40	D
1909	20.61	8.98	30.68	12.10	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	3.00	2.00	C
1914	16.72	10.08	27.81	10.92	W	2.72	5.57	8.69	4.35	W
1915	11.41	11.42	23.86	10.99	W	1.29	4.95	6.40	4.10	W
1916	14.25	8.89	24.14	10.83	W	2.67	5.50	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	1.01	3.40	4.59	3.06	BN
1919	8.12	6.77	15.66	7.00	BN	1.06	2.99	4.09	2.62	BN
1920	3.63	4.91	9.20	5.15	C	0.72	3.29	4.09	2.64	BN
1921	15.47	7.52	23.80	9.20	AN	1.97	3.84	5.90	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	1.50	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	2.30	D
1927	14.34	8.75	23.83	9.52	W	1.80	4.56	6.50	3.56	AN
1928	10.24	5.86	16.76	8.27	AN	1.69	2.64	4.37	2.63	BN
1929	4.00	3.84	8.40	5.22	C	0.52	2.29	2.84	2.00	C
1930	8.24	4.65	13.52	5.90	D	0.76	2.44	3.25	2.02	C
1931	3.52	2.09	6.10	3.66	C	0.46	1.18	1.66	1.20	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	2.00	4.38	6.49	3.74	AN
1937	5.50	7.24	13.33	6.87	BN	1.78	4.66	6.53	3.90	W
1938	17.96	12.93	31.83	12.62	W	3.58	7.33	11.24	5.39	W
1939	4.56	3.04	8.18	5.58	D	1.00	1.83	2.90	2.20	D
1940	14.78	6.93	22.43	8.88	AN	2.49	4.06	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	6.90	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	6.80	BN	2.07	4.37	6.60	3.59	AN
1946	10.89	5.97	17.62	7.70	BN	1.99	3.65	5.73	3.30	AN
1947	5.90	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	2.70	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	28.60	12.38	W	2.18	6.84	9.30	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	1.10	3.16	4.30	2.72	BN
1955	5.19	5.07	10.98	6.14	D	0.78	2.67	3.50	2.30	D
1956	20.32	8.60	29.89	11.38	W	4.14	5.29	9.67	4.66	W
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	6.40	8.36	4.77	W
1959	7.40	3.84	12.05	6.75	BN	0.98	1.85	2.98	2.21	D
1960	7.72	4.65	13.06	6.20	D	0.85	2.07	2.96	1.85	C
1961	6.87	4.39	11.97	5.68	D	0.54	1.50	2.10	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	5.90	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	3.20	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	10.20	W	2.46	7.09	9.98	5.25	W
1968	8.66	4.32	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	10.87	4.35	24.06	10.40	W	2.55	2.96	5.61	3.18	AN
1971	12.71	8.90	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	12.80	6.38	20.05	8.58	AN	1.87	4.48	6.43	3.50	AN
1974	21.69	9.78	32.50	12.99	W	2.43	4.53	7.12	3.90	W

CDWA/SDWA/SJC
Exhibit 1G

1975	9.24	8.95	19.23	9.35	W	1.31	4.65	6.18	3.85	W
1976	4.63	2.75	8.20	5.29	C	0.78	1.07	1.97	1.57	C
1977	2.49	1.93	5.12	3.11	C	0.22	0.80	1.05	0.84	C
1978	14.90	8.12	23.92	8.65	AN	2.57	6.50	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	6.00	22.33	9.04	AN	3.74	5.41	9.47	4.73	W
1981	6.81	3.63	11.10	6.21	D	0.85	2.29	3.22	2.44	D
1982	20.56	11.82	33.41	12.76	W	3.78	7.00	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	10.00	W	3.51	3.48	7.13	3.69	AN
1985	6.24	4.00	11.04	6.47	D	1.11	2.41	3.60	2.40	D
1986	19.45	5.45	25.83	9.96	W	4.36	4.92	9.50	4.31	W
1987	5.85	2.80	9.27	5.86	D	0.55	1.48	2.08	1.86	C
1988	5.78	2.90	9.23	4.65	C	0.86	1.55	2.49	1.46	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	1.53	C
1991	3.90	4.01	8.44	4.21	C	0.56	2.57	3.20	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	4.20	W
1994	4.55	2.73	7.81	5.02	C	0.66	1.80	2.54	2.05	C
1995	19.83	13.60	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	31.40	13.31	W	2.82	7.11	10.43	5.65	W
1999	12.97	7.26	21.19	9.80	W	1.90	3.85	5.91	3.59	AN
2000	12.06	5.96	18.90	8.94	AN	1.98	3.78	5.90	3.38	AN
2001	5.64	3.46	9.81	5.76	D	0.92	2.23	3.18	2.20	D
2002	9.32	4.57	14.60	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	4.40	16.04	7.51	BN	1.51	2.25	3.81	2.21	D
2005	8.40	9.28	18.55	8.49	AN	2.73	6.28	9.21	4.75	W
2006	18.06	13.09	32.09	13.20	W	2.86	7.37	10.44	5.90	W
2007	6.59	3.04	10.28	6.19	D	0.99	1.46	2.51	1.97	C
2008	5.89	3.78	10.21	5.14	C	0.98	2.46	3.50	2.07	C
min	2.49	1.93	5.12	3.11		0.22	0.80	1.05	0.84	
mean	11.27	6.52	18.62	8.33		1.97	3.81	5.96	3.29	
max	22.75	13.68	37.68	15.29		5.75	9.24	15.01	7.22	

1956-2005 mean

Eight River Runoff [maf]

WY	Dec	Jan	Feb	Mar	Apr	May
1901						
1902						
1903						
1904						
1905						
1906	0.55	3.69	2.93	7.00	5.34	6.43
1907	2.14	2.83	6.01	10.40	7.32	5.86
1908	1.43	2.27	2.12	2.19	2.53	2.59
1909	0.66	11.14	6.85	3.71	4.22	4.78
1910	3.09	2.90	2.55	4.84	4.21	3.30
1911	1.15	4.11	3.61	5.88	6.36	5.71
1912	0.55	1.20	0.94	1.61	1.58	3.33
1913	0.77	1.60	1.01	1.32	2.81	3.31
1914	1.72	8.50	3.99	4.18	5.05	5.28
1915	0.76	1.86	5.43	3.54	4.43	6.38
1916	1.52	3.75	4.89	5.71	5.03	4.44
1917	1.28	1.01	3.13	2.15	4.29	4.37
1918	0.70	0.57	1.22	2.99	3.09	2.53
1919	0.68	1.20	3.13	2.74	3.89	4.06
1920	0.68	0.57	0.58	1.71	2.58	3.20
1921	2.90	4.34	3.15	4.22	3.30	4.01
1922	1.16	1.07	2.63	2.41	3.66	6.68
1923	2.03	1.75	1.20	1.51	3.38	3.66
1924	0.49	0.56	1.16	0.64	1.07	1.10
1925	0.92	0.94	4.99	2.18	3.82	3.70
1926	0.67	0.76	3.18	1.73	3.79	2.18
1927	2.01	2.22	6.05	3.53	6.82	4.28
1928	1.10	1.37	1.94	5.69	3.73	3.02
1929	0.64	0.61	1.12	1.29	1.63	2.49
1930	2.37	1.41	1.84	2.78	2.64	2.29
1931	0.39	0.80	0.78	1.20	1.23	1.18
1932	1.68	1.33	1.84	2.50	2.73	4.16
1933	0.42	0.70	0.58	1.89	1.97	2.36
1934	1.04	1.47	1.59	1.90	1.61	1.09
1935	0.79	1.87	1.56	2.13	6.18	4.74
1936	0.51	3.22	5.04	2.77	3.83	3.71
1937	0.45	0.54	2.36	3.28	3.77	4.92
1938	4.81	1.86	5.27	7.50	5.98	7.34
1939	0.80	0.79	0.81	1.91	2.26	1.47
1940	0.68	3.88	5.68	5.22	4.63	3.77
1941	3.41	4.28	5.07	4.72	4.62	5.75
1942	3.58	4.18	5.10	2.23	4.64	4.76
1943	1.83	4.67	2.84	5.33	4.23	3.59
1944	0.55	0.78	1.44	1.94	1.88	3.34
1945	1.50	1.07	4.13	2.17	2.82	3.82
1946	4.60	2.64	1.31	2.29	3.45	3.68
1947	1.06	0.64	1.57	2.51	2.20	2.05
1948	0.50	1.91	0.70	1.56	4.34	4.51
1949	0.66	0.53	0.92	3.32	3.27	3.39
1950	0.43	1.82	2.54	2.46	3.74	3.73

1951	5.95	3.40	3.52	2.66	2.81	3.15
1952	3.36	3.48	4.03	3.68	6.35	7.51
1953	1.92	5.40	1.52	2.06	3.25	3.38
1954	0.80	2.20	2.84	3.66	4.56	3.27
1955	1.35	1.16	0.96	1.27	1.97	3.22
1956	9.14	7.52	3.71	3.07	3.51	5.24
1957	0.61	0.79	2.65	3.41	2.36	3.85
1958	1.62	2.39	7.61	4.71	5.04	6.74
1959	0.58	2.25	2.50	1.98	2.27	1.82
1960	0.47	0.90	3.15	3.22	2.50	2.39
1961	1.36	0.86	2.14	1.93	2.02	2.16
1962	1.19	0.78	4.08	2.39	3.89	3.14
1963	1.90	1.70	4.66	2.10	5.60	4.99
1964	0.85	1.55	1.01	1.15	1.92	2.44
1965	8.66	5.61	2.26	1.97	4.74	3.81
1966	1.04	1.85	1.56	2.52	3.33	2.52
1967	2.98	3.34	2.52	4.09	3.82	6.26
1968	0.85	1.49	3.71	2.55	2.17	2.15
1969	1.77	7.91	4.73	3.36	5.44	7.34
1970	3.30	10.68	3.02	3.12	1.82	2.77
1971	3.26	3.05	1.83	3.73	3.40	4.18
1972	1.19	1.40	1.73	3.30	2.52	2.61
1973	1.83	4.08	3.66	3.27	3.08	4.76
1974	3.68	6.93	2.10	6.18	5.07	4.69
1975	0.86	1.01	2.92	4.65	2.89	5.40
1976	0.76	0.65	0.88	1.34	1.35	1.44
1977	0.38	0.47	0.48	0.54	0.69	0.91
1978	1.90	5.91	3.48	5.36	4.40	4.70
1979	0.53	1.44	2.10	2.90	2.67	4.50
1980	1.24	6.09	5.93	3.62	3.11	3.67
1981	0.92	1.57	1.76	2.48	2.32	2.11
1982	5.58	3.50	5.57	4.74	8.05	5.68
1983	3.69	4.25	6.46	10.57	6.87	6.96
1984	6.72	2.85	2.29	3.08	2.50	3.60
1985	1.20	0.84	1.21	1.59	2.79	2.14
1986	1.25	2.62	11.55	7.09	3.19	3.56
1987	0.53	0.76	1.48	2.60	1.73	1.48
1988	1.70	1.84	1.01	1.26	1.48	1.59
1989	0.72	0.85	0.99	6.17	3.59	2.22
1990	0.45	1.27	0.88	1.84	1.80	1.77
1991	0.34	0.37	0.45	2.64	1.95	2.40
1992	0.47	0.58	2.41	1.99	2.17	1.33
1993	1.25	4.06	3.13	5.70	4.33	5.23
1994	0.78	0.78	1.23	1.49	1.57	1.79
1995	1.06	8.11	3.12	10.19	5.63	7.18
1996	1.72	2.47	6.25	4.25	3.97	5.50
1997	6.84	12.15	2.74	2.45	2.70	2.96
1998	1.18	5.19	7.44	5.11	4.53	5.53
1999	1.88	2.60	4.59	3.67	3.26	4.27
2000	0.65	2.55	5.49	4.08	3.55	3.62
2001	0.67	0.87	1.50	2.39	2.03	2.49
2002	2.50	2.70	1.74	2.31	2.82	2.60
2003	3.24	3.40	1.66	2.52	3.27	4.82
2004	2.14	1.90	3.98	3.47	2.64	2.25
2005	1.56	2.49	2.01	3.75	3.18	7.23
2006	5.83	5.16	3.42	5.38	8.56	6.84
2007	1.32	0.87	2.14	2.07	1.74	1.67
2008	0.69	1.70	1.81	1.79	1.89	2.68
min	0.34	0.37	0.45	0.54	0.69	0.91
mean	2.02	3.04	3.11	3.46	3.21	3.70
max	9.14	12.15	11.55	10.57	8.56	7.51

1956-2005 mean

Official Year Classifications based on May 1 Runoff Forecasts

	Sacramento Valley Index		San Joaquin Valley Index	
WY	Index	Yr-type	Index	Yr-type
1995	12.4	W	5.5	W
1996	9.7	W	3.9	W
1997	11.0	W	4.2	W
1998	12.4	W	4.3	W
1999	10.0	W	3.4	AN
2000	9.2	W	3.3	AN
2001	5.9	D	2.3	D
2002	6.5	D	2.3	D
2003	8.0	AN	2.7	BN
2004	7.7	BN	2.2	D
2005	7.4	BN	4.2	W
2006	13.0	W	5.5	W
2007	6.2	D	1.9	C
2008	5.4	C	2.1	C

Abbreviations:

WY	Water year (Oct 1 - Sep 30)
W	Wet year type
AN	Above normal year type
BN	Below normal year type
D	Dry year type
C	Critical year type
% exc.	Probability in % that a given value will be exceeded
(maf)	Million acre-feet

Notes:
Unimpaired runoff represents the natural water production of a river basin,

unaltered by upstream diversions, storage, export of water to or import of water from other basins.

Sacramento River Runoff is the sum (in maf) of Sacramento River at Bend Bridge, Feather River inflow to Lake Oroville, Yuba River at Smartville, and American River inflow to Folsom Lake. The WY sum is also known as the Sacramento River Index, and was previously referred to as the "4 River Index" or "4 Basin Index". It was previously used to determine year type classifications under State Water Resources Control Board (SWRCB) Decision 1485.

Sacramento Valley Water Year Index = 0.4 * Current Apr-Jul Runoff Forecast (in maf) + 0.3 * Current Oct-Mar Runoff in (maf) + 0.3 * Previous Water Year's Index (if the Previous Water Year's Index exceeds 10.0, then 10.0 is used). This index, originally specified in the 1995 SWRCB Water Quality Control Plan, is used to determine the Sacramento Valley water year type as implemented in SWRCB D-1641. Year types are set by first of month forecasts beginning in February. Final determination is based on the May 1 50% exceedence forecast.

Sacramento Valley Water Year Hydrologic Classification:

Year Type:	Water Year Index:
Wet	Equal to or greater than 9.2
Above Normal	Greater than 7.8, and less than 9.2
Below Normal	Greater than 6.5, and equal to or less than 7.8
Dry	Greater than 5.4, and equal to or less than 6.5
Critical	Equal to or less than 5.4

San Joaquin River Runoff is the sum of Stanislaus River inflow to New Melones Lake, Tuolumne River inflow to New Don Pedro Reservoir, Merced River inflow to Lake McClure, and San Joaquin River inflow to Millerton Lake (in maf).

San Joaquin Valley Water Year Index = 0.6 * Current Apr-Jul Runoff Forecast (in maf) + 0.2 * Current Oct-Mar Runoff in (maf) + 0.2 * Previous Water Year's Index (if the Previous Water Year's Index exceeds 4.5, then 4.5 is used). This index, originally specified in the 1995 SWRCB Water Quality Control Plan, is used to determine the San Joaquin Valley water year type as implemented in SWRCB D-1641. Year types are set by first of month forecasts beginning in February. Final determination for San Joaquin River flow objectives is based on the May 1 75% exceedence forecast.

San Joaquin Valley Water Year Hydrologic Classification:

Year Type:	Water Year Index:
Wet	Equal to or greater than 3.8
Above Normal	Greater than 3.1, and less than 3.8
Below Normal	Greater than 2.5, and equal to or less than 3.1
Dry	Greater than 2.1, and equal to or less than 2.5
Critical	Equal to or less than 2.1

Eight River Index = Sacramento River Runoff + San Joaquin River Runoff
This Index is used from December through May to set flow objectives as implemented in SWRCB Decision 1641.

The 'reconstructed' table is based on observed runoff, and does NOT show the official year-types, which are based on May 1 forecasts of future runoff.

The current water year indices based on forecast runoff are posted at http://cdec.water.ca.gov/water_supply.html and published in DWR Bulletin 120 (also available at http://cdec.water.ca.gov/snow/bulletin120)

These indices have been used operationally since 1995, and are defined in SWRCB Decision 1641 (see http://www.waterrights.ca.gov/baydelta/d1641.htm)

This report is updated each fall once the data is available.

For more information, contact CDWR Flood Management, Hydrology Branch

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Department of Water Resources
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B120 (02/11/09 1042)

Department of Water Resources
California Cooperative Snow Surveys

Feb 1, 2009 FORECAST
OF UNIMPAIRED RUNOFF
(in thousands of acre-feet)

April-July Forecast

	April thru July	Percent of Average	80% Probability Range
NORTH COAST			
Trinity River at Lewiston Lake	350	54%	165 - 700
Scott River near Fort Jones	90	65%	
SACRAMENTO RIVER			
Sacramento River above Shasta Lake	155	52%	
McCloud River above Shasta Lake	250	64%	
Pit River above Shasta Lake	700	66%	
Total inflow to Shasta Lake	1120	62%	680 - 2120
Sacramento River above Bend Bridge	1420	57%	880 - 2390
Feather River at Oroville	960	54%	400 - 1980
Yuba River at Smartville	630	63%	260 - 1280
American River below Folsom Lake	790	64%	320 - 1610
SAN JOAQUIN RIVER			
Cosumnes River at Michigan Bar	64	51%	10 - 245
Mokelumne River inflow to Pardee	330	72%	130 - 630
Stanislaus River below Goodwin Res.	500	71%	200 - 960
Tuolumne River below La Grange	890	73%	400 - 1680
Merced River below Merced Falls	430	68%	180 - 900
San Joaquin River inflow to Millerton Lk	910	73%	400 - 1730
TULARE LAKE			
Kings River below Pine Flat Res.	880	72%	360 - 1680
Kaweah River below Terminus Res.	200	70%	70 - 400
Tule River below Lake Success	32	50%	5 - 100
Kern River inflow to Lake Isabella	270	59%	100 - 650
NORTH LAHONTAN			
Truckee River,Tahoe to Farad accretions	150	57%	
Lake Tahoe Rise, in feet	0.7	51%	
West Carson River at Woodfords	32	59%	
East Carson River near Gardnerville	130	70%	
West Walker River below Little Walker	110	71%	
East Walker River near Bridgeport	37	58%	

Water-Year Forecast and Monthly Distribution

	Oct thru Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Water Year	80% Probability Range
Trinity, Lewiston	113	60	155	145	140	40	25	15	13	711	386 - 1328
Inflow to Shasta	915	490	560	410	310	220	180	180	170	3435	2470 - 5690
Sacramento, Bend	1215	590	920	550	400	250	220	200	190	4535	3225 - 6805
Feather, Oroville	475	315	500	430	310	140	80	75	65	2390	1210 - 4165
Yuba, Smartville	205	155	245	265	265	80	20	10	10	1255	665 - 2220
American, Folsom	185	150	300	335	320	120	15	5	5	1435	710 - 2865
Cosumnes, Mich.Bar	18	25	50	34	21	7	2	0	0	157	40 - 555
Mokelumne, Pardee	45	45	70	105	150	65	10	2	1	493	220 - 910
Stanislaus, Gdw.	95	60	115	170	210	100	20	5	5	780	360 - 1420
Tuolumne, LaGrange	200	100	170	250	370	230	40	10	5	1375	720 - 2430
Merced, McClure	85	50	85	120	190	100	20	5	5	660	320 - 1290
San Joaquin, Mil.	155	65	120	200	360	260	90	30	10	1290	650 - 2320
Kings, Pine Flat	130	50	100	170	310	330	70	25	10	1195	560 - 2170
Kaweah, Terminus	39	17	33	55	85	50	10	4	2	295	120 - 560
Tule, Success	10	11	16	14	13	4	1	0	0	69	15 - 195
Kern, Isabella	70	25	45	60	100	80	30	15	10	435	200 - 950

Notes:
50 year averages are based on years 1956 to 2005.
Unimpaired runoff represents the natural water production of a river basin, unaltered by upstream diversions, storage, or by export or import of water to or from other watersheds.
Forecasted runoff assumes median conditions subsequent to the date of forecast.
Runoff probability ranges are statistically derived from historical data.
The 80% probability range is comprised of the 90% exceedence level value and the 10% exceedence level value.
The actual runoff should fall within the stated limits eight times out of ten.
Forecast point names are based on USGS gage names.

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Department of Water Resources
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Daily Reservoir Storage Summary

ENDING AT MIDNIGHT - 02/15/2009

FOR SELECTED RESERVOIRS IN NORTHERN AND SOUTHERN CALIFORNIA

Report generated: 02/16/2009 13:02

Reservoir Name	StaID	Capacity (AF)	Elevation (FT)	Water Storage Storage (AF)	Storage Change	% of Capacity	Average Storage	% of Average	Outflow (CFS)	Inflow (CFS)	Storage - Year Ago This Date
TRINITY RIVER											
TRINITY LAKE	CLE	2,447,700	2,254.04	990,398	1,675	40	1,808,767	55	477	1,321	1,436,208
WHISKEYTOWN	WHI	241,100	1,199.04	207,274	1,651	86	205,849	101	1,330	2,162	205,181
LEWISTON	LEW	14,700	1,901.29	14,128	97	96	13,860	102	328	377	13,948
RUSSIAN RIVER											
SONOMA(WARM SPRINGS)	WRS	381,000	426.12	185,001	3,472	49	223,706	83	---	---	245,649
MENDOCINO (COYOTE)	COY	122,400	713.86	33,349	1,602	27	70,272	47	---	---	73,418
SACRAMENTO RIVER											
SHASTA	SHA	4,552,000	926.19	1,511,242	27,760	33	3,253,716	46	1,181	15,180	2,347,940
KESWICK	KES	23,800	583.59	21,641	-49	91	21,775	99	3,288	3,241	21,128
FEATHER RIVER											
OROVILLE	ORO	3,537,600	672.91	1,069,596	7,706	30	2,454,840	43	12	3,826	1,370,109
ANTELOPE	ANT	22,600	4,992.32	14,580	43	65	17,386	84	---	---	11,864
FRENCHMAN	FRD	55,477	5,564.76	25,905	39	47	36,253	71	---	---	31,534
LAKE DAVIS	DAV	84,400	5,761.46	39,378	235	47	61,478	64	---	---	44,139
YUBA RIVER											
BULLARDS BAR	BUL	966,103	1,892.43	483,671	585	50	601,587	80	---	---	546,929
ENGLEBRIGHT	ENG	70,000	519.28	63,684	226	91	65,929	97	---	---	65,193
AMERICAN RIVER											
FOLSOM	FOL	977,000	381.30	267,917	2,585	27	534,562	50	722	2,042	322,445
NIMBUS	NAT	9,000	122.78	7,692	-306	85	8,144	94	803	650	7,843
STONY CREEK											
BLACK BUTTE	BLB	136,000	434.33	22,698	174	17	52,027	44	---	---	64,991
CALAVERAS RIVER											
NEW HOGAN	NHG	317,100	637.46	82,968	260	26	144,944	57	---	---	150,280
MOKELUMNE RIVER											
CAMANCHE	CMN	417,120	190.36	148,252	-345	36	251,089	59	226	19	207,610
PARDEE	PAR	197,950	555.18	171,390	546	87	179,855	95	229	157	169,910
STANISLAUS RIVER											
DONNELL'S	DON	64,300	---	17,568	112	27	15,374	114	136	---	8,226
BEARDSLEY	BRD	97,800	---	31,750	-189	32	40,947	78	294	---	21,045
TULLOCH	TUL	67,000	498.32	51,455	-521	77	56,057	92	355	95	56,376
NEW MELONES	NML	2,420,000	965.77	1,177,342	1,836	49	1,417,750	83	14	963	1,512,014
TUOLUMNE RIVER											
HETCH HETCHY	HTH	360,400	---	---	---	---	154,712	---	---	---	168,636
DON PEDRO	DNP	2,030,000	---	---	---	---	1,412,870	---	---	---	1,322,407
MERCED RIVER											
MC CLURE (EXCHEQUER)	EXC	1,024,600	712.82	297,220	1,060	29	519,596	57	---	---	287,240
CHOWCHILLA RIVER											
EASTMAN (BUCHANAN)	BUC	150,000	476.14	15,733	141	10	68,812	23	---	---	27,342
FRESNO RIVER											
HENSLEY (HIDDEN)	HID	90,000	463.18	10,608	196	12	29,071	36	---	---	22,184

SAN JOAQUIN RIVER											
MILLERTON (FRIANT)	MIL	520,000	515.43	263,933	3,141	51	345,042	76	315	1,910	232,652
SAN LUIS CREEK											
SAN LUIS	SNL	2,039,000	424.27	728,781	6,084	36	1,702,336	43	---	---	1,698,591
KINGS RIVER											
PINE FLAT	PNF	1,000,000	---	---	---	---	509,110	---	---	---	296,541
KAWEAH RIVER											
KAWEAH (TERMINUS)	TRM	185,600	629.07	44,623	565	24	21,872	204	---	---	20,818
TULE RIVER											
SUCCESS	SCC	82,300	603.64	15,250	223	19	21,670	70	---	---	12,197
KERN RIVER											
ISABELLA	ISB	568,000	2,552.36	126,096	197	22	174,892	72	---	---	119,098
SOUTH COAST											
PYRAMID	PYM	171,200	2,576.63	186,138	870	98	162,836	103	---	---	164,189
CASTAIC	CAS	325,000	1,463.30	257,317	-784	79	274,503	94	---	---	300,899

Total Storage (AF) 8,556,776 **Total Average Storage** 14,856,797 **Total % Group Average** 57.60%

AF - Acre Feet CFS - Cubic Feet per Second

Note: Reservoir Flows are daily averages.

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