

Exhibit WDCWA-102

**Existing Conditions
And
Existing Conditions With Project
CalSim II Modeling**

Percent of time Term 91 curtailments are in effect

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2007 EIR	1%	7%	0%	0%	1%	1%	10%	21%	67%	95%	86%	11%
Updated	5%	13%	0%	0%	0%	1%	6%	18%	61%	87%	56%	43%

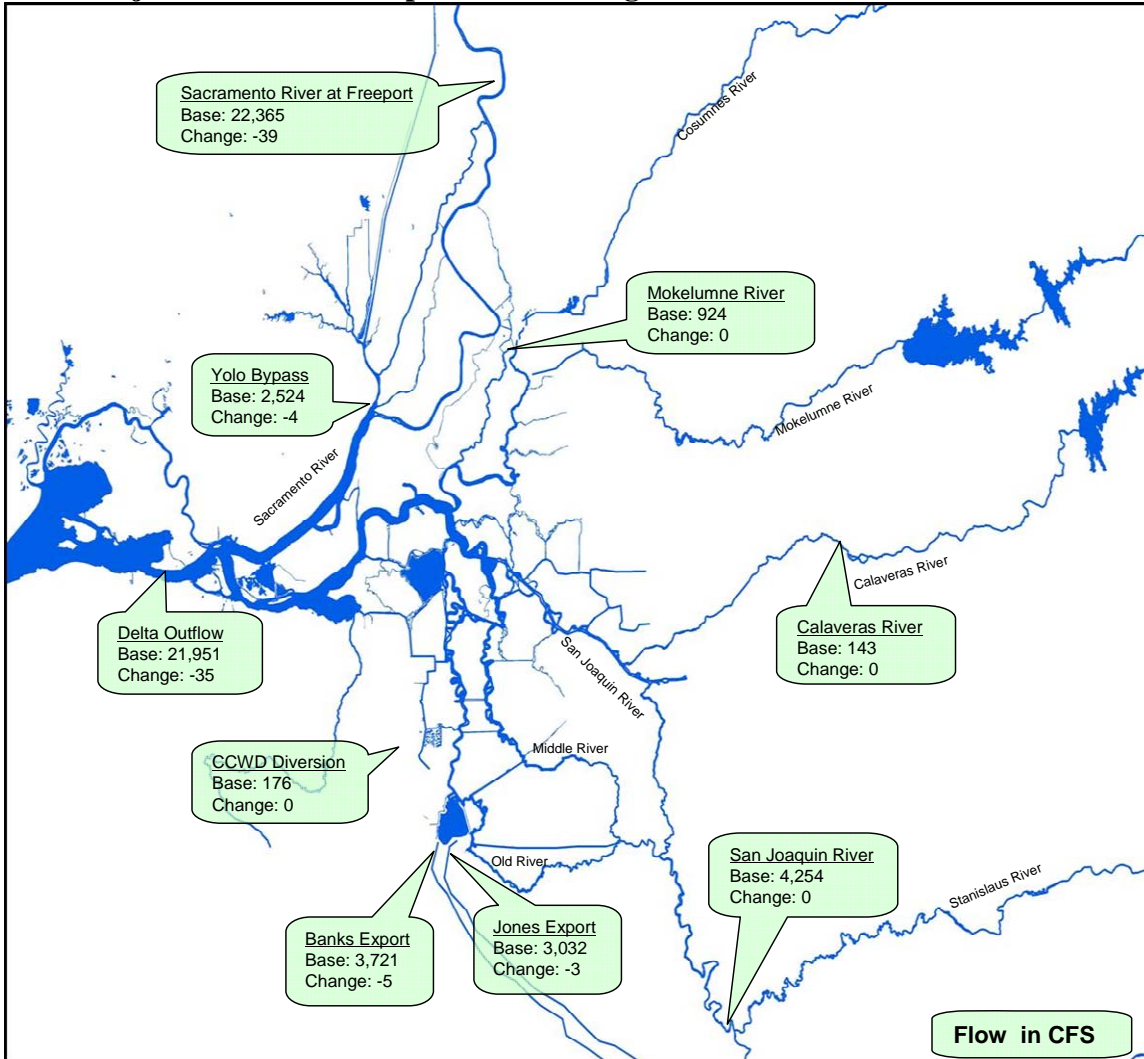
Summary Results, With-Project Conditions Compared to Existing Conditions

Items	Existing Conditions		With-Project Conditions		Difference: With Project	
	Long-Term	Dry Periods	Long-Term	Dry Periods	Long-Term	Dry Periods
DWWSP (1,000 AF/year)¹						
Water Right diversion	0	0	32	27	32	27
Delta (1,000 AF/year)¹						
Export at Banks Pumping Plant	2,701	1,614	2,697	1,611	-4	-3
Export at Tracy Pumping Plant	2,198	1,591	2,197	1,588	-2	-2
Total exports	4,899	3,205	4,893	3,199	-6	-6
Contra Costa Water District diversion	128	130	128	130	0	0
North Bay Aqueduct/City of Vallejo	69	52	69	52	0	0
Georgiana Slough	2,741	1,729	2,737	1,727	-4	-3
Delta Cross Channel	1,042	1,004	1,042	1,001	-1	-2
Total Delta inflow	21,727	10,043	21,696	10,024	-31	-20
Net Delta outflow	15,784	5,641	15,759	5,628	-25	-13
QWEST	2,005	175	2,006	176	1	1
Surplus Delta outflow	10,587	1,387	10,555	1,378	-32	-9
River Flows (cfs)¹						
Trinity River below Lewiston	949	601	949	601	0	0
Sacramento River below Keswick	8,648	6,126	8,648	6,136	0	10
Sacramento River below NCP	9,200	6,156	9,203	6,166	3	10
Sacramento River below DWWSP	18,708	9,932	18,666	9,905	-41	-28
Sacramento River below Freeport	22,365	11,808	22,326	11,781	-39	-27
Feather River below Thermalito	4,388	2,192	4,388	2,189	0	-3
Feather River at mouth	7,760	3,267	7,760	3,267	0	0
American River below Nimbus	3,428	1,626	3,428	1,627	0	1
American River at H Street	3,285	1,489	3,285	1,490	0	1
Calaveras River below Bellota Weir	143	8	143	8	0	0
San Joaquin River at Vernalis	4,254	1,802	4,254	1,802	0	0
Reservoir Carryover Storage (1,000 AF)¹						
Trinity Lake	1,400	737	1,396	728	-4	-9
Whiskeytown Lake	233	224	233	224	0	0
Lake Shasta	2,690	1,494	2,686	1,487	-3	-7
Folsom Lake	511	302	510	300	-1	-1
CVP total NOD storage	4,833	2,756	4,825	2,739	-8	-17
CVP San Luis Reservoir	169	186	169	186	1	0
Lake Oroville	1,875	1,077	1,868	1,070	-7	-7
SWP San Luis Reservoir	461	315	461	315	0	0
New Hogan Reservoir	151	85	151	85	0	0
New Melones Reservoir	1,167	516	1,167	516	0	0
CVP-SWP Deliveries (1,000 AF/year)²						
CVP NOD agricultural deliveries	224	46	224	45	-1	-1
CVP NOD M&I deliveries	144	116	144	116	0	0
CVP SOD agricultural deliveries	876	224	874	221	-2	-3
CVP SOD M&I deliveries	117	91	117	91	0	0
SWP Table A deliveries	2,230	1,309	2,228	1,307	-2	-2
SWP Article 21 deliveries	79	42	77	42	-2	0

¹ Dry periods are water-year based (Oct 1928 - Sep 1934, Oct 1975 - Sep 1977, and Oct 1986 - Sep 1992)

² Dry periods for CVP and SWP deliveries are contract-year based (CVP: Mar 1929 - Feb 1935, Mar 1976 - Feb 1978, and Mar 1987 - Feb 1993, SWP: Jan 1929 - Dec 1934, Jan 1976 - Dec 1977, Jan 1987 - Dec 1992).

**Average annual Delta Flows,
With-Project Conditions compared to Existing Conditions**



Delta Outflow

Difference (With Project minus Existing Conditions)										Flow in CFS		
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	0	0	-42	-41	-125	-48	-63	-79	-80	0	0	0
1923	0	0	-55	-39	0	0	-68	-79	0	0	0	-20
1924	0	0	0	-41	-39	0	0	2	0	-1	-5	0
1925	0	-10	-20	-40	-39	0	-110	-78	0	0	44	-17
1926	0	0	0	-40	-52	0	-89	0	0	0	11	0
1927	0	-55	-41	-42	-436	-45	-64	-80	-80	0	0	0
1928	0	0	-42	-41	-39	-115	-61	-79	20	2	0	0
1929	0	0	0	-39	-39	0	-63	0	0	0	8	0
1930	0	2	-42	-38	-39	-47	-63	-80	0	0	8	0
1931	0	0	0	-45	0	-46	0	0	0	0	0	0
1932	0	0	-41	-37	-23	0	0	-79	-80	0	0	0
1933	0	0	0	-79	-39	-22	0	-80	0	0	42	0
1934	0	-37	-18	-47	-44	0	0	0	0	0	-125	0
1935	0	15	-18	-44	-28	-50	-63	-76	130	0	0	0
1936	0	0	0	-41	-575	-46	-59	-79	-80	0	0	-14
1937	0	0	0	-42	110	-44	-62	-79	167	0	0	0
1938	0	35	-43	-359	-145	-49	-63	-79	-80	0	0	0
1939	0	0	0	-42	0	-641	-62	66	-10	5	-10	70
1940	0	0	0	-39	-299	-213	-62	-79	0	11	0	0
1941	0	0	-129	-59	-64	-49	-63	-79	-80	0	0	0
1942	0	0	-134	-40	-41	-49	-63	-79	-80	0	0	0
1943	0	0	-52	-286	-56	-49	-62	-79	-80	98	0	0
1944	0	0	-10	-41	-38	-48	-57	-79	0	0	4	0
1945	0	-58	-45	6	-6	-48	-62	-79	0	0	0	0
1946	0	-296	-28	-45	0	-352	-61	-79	150	-96	0	12
1947	0	0	-41	-41	-41	-79	-63	5	0	0	0	3
1948	0	0	0	-44	0	-53	-54	-195	-76	0	0	-1
1949	0	0	-26	-40	-40	-62	-63	-79	0	0	7	-7
1950	0	0	0	-46	-40	-48	-62	-79	0	0	0	-53
1951	0	1035	-106	-49	-322	-52	-63	-79	13	-6	0	0
1952	0	0	17	-40	-53	13	-63	-79	-80	-80	-80	156
1953	-156	0	-142	-45	-41	-49	-63	-78	-80	0	0	0
1954	0	0	0	-141	-59	-149	-62	-79	8	4	0	0
1955	0	0	-43	-40	0	-32	-63	-79	0	0	5	-6
1956	0	0	-161	-127	-39	-24	-63	-79	-80	0	0	0
1957	0	0	0	-42	-44	-263	-62	-79	0	7	0	0
1958	-81	0	-44	-41	-52	0	-63	-79	-80	0	-80	0
1959	0	0	-12	-71	-146	-48	-63	-79	0	23	0	-11
1960	0	0	0	-39	-39	-242	0	-79	0	16	-12	-4
1961	0	-27	-129	-38	-42	-49	0	5	0	1	-1	-1
1962	0	-25	-149	-43	-69	-47	-62	-79	-1	21	0	0
1963	-113	-53	-42	-186	-40	-49	-63	-80	-80	86	0	-156
1964	156	-156	0	-43	-26	32	-32	-79	0	0	7	290
1965	-210	-31	57	-38	-42	-48	-61	-75	-80	61	0	0
1966	0	0	-40	-40	-40	-103	-75	-79	151	-145	0	43
1967	0	-59	-106	-40	-329	-47	-63	-80	-81	-81	-81	156
1968	-156	0	0	-193	-53	-49	-61	-77	40	-24	0	0
1969	0	-23	-41	-292	-24	-32	-63	-77	-78	0	0	0
1970	0	0	-283	-32	-41	-49	-63	-79	5	6	0	0
1971	0	0	-128	-38	-41	-134	-62	-79	-80	0	0	0
1972	0	0	-41	-40	-39	-197	-62	-79	0	19	0	-6
1973	0	-142	-61	-93	-41	-49	-63	-79	73	-40	0	0
1974	0	-98	-132	-40	-41	-49	-62	-79	-80	0	-81	0
1975	0	0	-43	-40	-140	-89	-62	-79	-80	0	-80	0
1976	0	0	0	-41	0	-44	-63	1	0	6	-4	0
1977	3	-14	9	-29	0	0	0	0	0	0	-20	0
1978	18	-50	-28	-50	-169	-97	-62	-79	-80	0	0	0
1979	0	0	49	-41	-45	-46	-56	-78	83	0	0	16
1980	0	-88	-43	-801	-36	31	-57	-79	-52	0	0	0
1981	0	0	0	-228	-40	-49	-63	0	0	0	1	9
1982	0	-41	-174	-141	-39	-68	-63	-79	-80	0	0	0
1983	-315	-52	-42	-41	-41	-49	-63	-79	-80	0	-80	0
1984	-76	-54	-42	-41	-40	-49	-63	-79	0	11	0	0
1985	0	-111	-40	-42	-41	-41	-63	0	0	0	1	-39
1986	0	0	-42	-41	-49	-295	-62	-79	0	0	0	0
1987	0	0	0	-42	-40	-47	-61	21	0	0	-22	0
1988	0	0	-42	-40	0	0	-63	0	0	0	-1	0
1989	-3	77	-203	-47	0	-39	-60	101	-156	114	-75	47
1990	0	0	0	-44	0	-51	1	-79	0	0	-299	0
1991	171	-486	1649	-1804	-10	-20	-32	-49	0	140	-80	0
1992	29	-42	0	8	-40	-48	0	0	0	0	0	0
1993	0	0	-12	-40	-40	-59	-57	-598	-39	0	0	0
1994	0	0	0	-39	-39	-45	0	0	0	0	0	0
1995	0	-16	-9	-233	-103	-49	-64	-80	-81	-123	-78	0
1996	0	0	-117	122	-42	-49	-63	-79	-80	0	0	0
1997	0	0	-196	-39	-41	-49	-63	-79	19	-2	0	0
1998	0	0	-41	-98	-151	-49	-63	-80	-80	-80	-80	0
1999	-76	-54	-41	-41	-41	-48	-63	-80	-80	0	0	0
2000	0	0	0	-51	-93	-48	-63	-79	0	7	0	0
2001	0	0	0	-42	-39	-47	-61	6	0	0	-1	0
2002	0	-36	-52	-125	0	-40	-63	-79	-68	0	23	-7
2003	4	0	-46	-39	-40	-49	-63	-79	-169	138	0	0
Avg.	-10	-12	-23	-94	-63	-66	-54	-67	-22	1	-14	6
Max	-113	-54	-42	-39	-151	-49	-63	-80	-80	0	-80	0
Min	0	0	0	-800	0	0	0	0	0	0	0	0

Sacramento Flow at Freeport

Difference (With Project minus Existing Conditions)										Flow in CFS		
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	0	-54	-42	-41	-125	-48	-63	-79	-80	0	0	0
1923	-39	-24	-55	-39	0	0	-69	-79	0	0	0	-57
1924	0	-90	-42	-41	-40	0	0	2	0	-1	17	0
1925	0	-51	-40	-40	-39	0	-110	-79	-1	-460	305	-49
1926	0	-185	-41	-41	-52	0	-89	0	0	-7	47	0
1927	0	-56	-41	-42	-15	-45	-64	-80	-80	0	1	0
1928	-82	22	-42	-41	-39	-15	-61	-79	20	2	0	-2
1929	-11	-25	-43	-40	-40	-122	-63	-36	0	91	5	0
1930	0	0	-42	-38	-39	-47	-63	-80	0	-56	-2	0
1931	0	0	0	-45	0	-46	0	1	0	-4	0	0
1932	-6	0	-41	-37	-37	-47	0	-79	-80	-3	15	-2
1933	-2	0	-68	-79	-40	-22	0	-79	0	-57	-93	0
1934	0	-9	-51	-47	-45	-47	0	0	0	-354	229	0
1935	-7	-28	-52	-45	-43	-50	-63	-76	130	-30	-16	0
1936	0	-84	0	-41	-576	-46	-59	-79	-80	-19	-21	-41
1937	1	-9	95	-42	-40	-49	-62	-79	50	-16	-7	0
1938	-62	35	-43	-359	-5	-6	-63	-79	-80	0	0	5
1939	14	27	16	-42	0	-641	-62	66	-10	5	-11	201
1940	0	0	18	-39	-299	-10	-62	-79	0	2	30	13
1941	-76	31	-129	-61	-6	-48	-63	-79	-80	0	0	-1
1942	-42	-21	-135	-40	-5	-49	-63	-79	-80	0	0	-1
1943	-35	1	-52	-286	-38	-49	-63	-79	-80	98	0	-1
1944	-34	-114	-29	-41	-38	-48	-63	-79	0	-13	-4	4
1945	0	-58	-45	6	-6	-48	-62	-79	0	-14	-3	0
1946	9	-296	-28	-45	0	-352	-61	-79	150	-96	0	34
1947	-51	-53	-41	-41	-41	-79	-62	5	0	0	0	9
1948	-27	18	-26	-44	1	-53	-54	-195	-76	12	-12	-2
1949	-2	-54	-41	-41	-41	-63	-63	-79	0	0	6	-20
1950	0	-17	-41	-47	-41	-49	-62	-79	0	0	-5	-152
1951	-2354	1035	-8	-49	-47	-52	-63	-79	13	-5	0	0
1952	-36	12	17	-40	-53	13	-64	-79	-80	-80	-80	205
1953	-122	-100	-143	-45	-41	-49	-63	-80	-80	0	0	0
1954	-34	0	0	-141	-59	-149	-62	-80	8	0	0	0
1955	1	-23	-43	-41	0	-49	-63	-79	0	0	5	-20
1956	0	-58	-20	-9	-39	-49	-63	-79	-80	0	0	0
1957	-34	-26	0	-42	-44	-263	-62	-79	0	0	0	15
1958	-81	-54	-44	-41	-5	0	-8	-79	-80	0	-80	0
1959	-76	39	-35	-71	-146	-48	-63	-79	0	23	3	-32
1960	-35	31	-9	-40	-39	-242	0	-79	0	16	-12	-11
1961	-6	-56	-127	-38	-42	-49	0	5	0	-1	-1	-2
1962	-35	-25	-149	-43	-71	-48	-62	-79	-1	21	0	-20
1963	-113	-53	-42	-186	-40	-49	-63	-80	-80	86	-16	-156
1964	-86	-126	-37	-43	-41	0	-63	-79	1	-1	6	876
1965	-1133	-30	58	-6	-42	-49	-61	-75	-80	60	-1	0
1966	-35	-52	-40	-40	-40	-103	-75	-79	151	-145	0	123
1967	-39	-60	-107	-40	-330	-47	-63	-80	-81	-81	-80	269
1968	-215	-80	0	-183	-53	-49	-61	-77	40	-25	-3	0
1969	11	-53	-41	-10	-5	-49	-63	-80	-80	0	0	-1
1970	-1	0	-283	-5	-41	-49	-63	-79	5	1	0	31
1971	-50	-25	-128	-38	-41	-134	-62	-79	-80	0	0	-2
1972	-3	-2	-41	-40	-39	-197	-62	-79	0	19	3	-18
1973	-76	-143	-63	-93	-41	-49	-63	-79	73	-41	0	-19
1974	-34	-98	-132	-5	-41	-6	-63	-79	-80	0	-81	0
1975	-76	-1	-43	-40	-140	-57	-62	-79	-80	0	-81	0
1976	-16	0	0	-41	-284	-44	-63	0	0	2	-4	5
1977	2	-53	-12	-39	-18	19	0	0	-1	0	45	0
1978	0	0	-40	-50	-169	-97	-62	-79	-80	0	0	0
1979	-35	-29	140	-41	-45	-48	-56	-78	83	0	70	268
1980	0	26	-43	-27	-5	-49	-57	-79	-80	1	-341	194
1981	-87	2	0	-228	-40	-49	-63	0	0	0	2	26
1982	1	-41	-9	-141	-5	-49	-8	-79	-80	0	0	0
1983	-315	-52	-42	-41	-5	-6	-63	-79	-80	0	-80	0
1984	-76	-54	-5	-41	-40	-49	-63	-79	0	11	0	0
1985	-20	-111	-40	-42	-41	-41	-63	0	0	0	1	-112
1986	-76	78	-42	-41	-5	-11	-62	-79	0	0	11	-4
1987	-80	42	0	-42	-40	-48	-61	21	0	-9	-152	0
1988	0	0	-42	-41	-20	-22	-63	0	0	-14	-1	0
1989	-111	-56	-48	-47	-41	-39	-60	101	-156	98	-76	136
1990	-64	-95	230	-44	-42	-50	0	-79	-3	8	-1124	20
1991	-12	-51	-1	-9	-11	-20	-32	-48	3	463	7	0
1992	-120	0	-41	-40	-39	-48	0	0	0	-69	-8	0
1993	-6	-102	-35	-40	-40	-59	-58	-598	-40	-1	-1	-2
1994	-65	-4	0	-39	-39	-47	0	0	0	0	0	-31
1995	-9	-56	-44	-10	-103	-6	-64	-80	-81	-123	-78	0
1996	-81	-93	-117	122	-5	-49	-63	-80	-80	0	0	0
1997	-35	-23	-196	-5	-41	-49	-63	-79	19	0	0	0
1998	-34	-42	-41	-98	-8	-49	-63	-80	-80	-81	-81	0
1999	-76	-54	-41	-41	-41	-49	-63	-80	-80	0	0	-110
2000	-78	45	0	-51	-50	-48	-63	-80	0	0	0	0
2001	-51	20	25	-42	-39	-47	-61	6	0	0	-6	-100
2002	0	-66	-53	-125	-102	-40	-63	-79	-68	-1	22	-20
2003	0	16	-46	-39	-40	-48	-63	-79	-170	138	-116	140
Avg.	-80	-22	-38	-54	-55	-62	-53	-67	-24	-8	-23	19
Max	14	1035	230	122	1	19	0	101	151	463	305	876
Min	-2354	-296	-283	-359	-576	-641	-110	-598	-170	-460	-1124	-156