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Long-term and Water Year Type Average Salinity at the Sacramento River at Emmaton under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	2,330	1,795	1,309	849	564	334	352	486	847	1,018	1,498	2,158
NEPA Yuba Accord Alternative	2,283	1,777	1,307	849	557	336	352	500	874	1,018	1,469	2,118
Difference	-47.1	-17.5	-2.0	0.2	-6.5	2.0	-0.4	14.3	27.3	0.5	-29.5	-39.8
Percent Difference ³	-2.0	-1.0	-0.2	0.0	-1.1	0.6	-0.1	2.9	3.2	0.0	-2.0	-1.8
Water Year Types¹												
Wet												
NEPA No Action Alternative	1,120	818	518	389	187	182	185	194	250	331	918	1,294
NEPA Yuba Accord Alternative	1,085	808	514	400	188	182	185	193	248	325	891	1,287
Difference	-34.8	-10.4	-4.1	10.9	0.5	0.0	0.0	-1.4	-1.3	-6.2	-27.7	-7.5
Percent Difference	-3.1	-1.3	-0.8	2.8	0.3	0.0	0.0	-0.7	-0.5	-1.9	-3.0	-0.6
Above Normal												
NEPA No Action Alternative	2,740	1,908	1,016	206	189	185	189	194	260	397	894	1,829
NEPA Yuba Accord Alternative	2,719	1,903	1,018	207	189	185	189	193	259	392	854	1,738
Difference	-20.5	-5.3	1.3	0.2	0.0	0.0	0.0	-0.6	-0.4	-4.9	-39.6	-91.3
Percent Difference	-0.7	-0.3	0.1	0.1	0.0	0.0	0.0	-0.3	-0.2	-1.2	-4.4	-5.0
Below Normal												
NEPA No Action Alternative	2,951	2,380	1,763	457	209	189	199	206	247	578	1,137	2,340
NEPA Yuba Accord Alternative	2,948	2,379	1,760	468	209	190	200	206	247	567	1,086	2,319
Difference	-3.0	-1.0	-2.3	11.0	-0.2	0.8	0.1	0.0	0.1	-11.1	-51.1	-20.9
Percent Difference	-0.1	0.0	-0.1	2.4	-0.1	0.4	0.0	0.0	0.0	-1.9	-4.5	-0.9
Dry												
NEPA No Action Alternative	2,813	2,042	1,397	831	682	260	263	334	752	1,116	1,699	2,176
NEPA Yuba Accord Alternative	2,761	2,031	1,405	856	690	261	262	350	778	1,157	1,697	2,133
Difference	-51.5	-11.0	8.4	25.4	8.2	1.2	-1.3	15.9	25.8	40.9	-2.7	-42.8
Percent Difference	-1.8	-0.5	0.6	3.1	1.2	0.5	-0.5	4.8	3.4	3.7	-0.2	-2.0
Critical												
NEPA No Action Alternative	2,867	2,411	2,056	1,660	1,067	634	687	1,072	1,874	1,962	2,230	3,103
NEPA Yuba Accord Alternative	2,792	2,373	2,047	1,627	1,038	640	687	1,110	1,948	1,941	2,186	3,050
Difference	-75.5	-38.0	-9.6	-32.9	-29.1	5.8	-0.3	37.4	73.5	-20.6	-44.5	-52.9
Percent Difference	-2.6	-1.6	-0.5	-2.0	-2.7	0.9	-0.1	3.5	3.9	-1.1	-2.0	-1.7

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Sacramento River at Emmaton Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	497.0	497.0	-0.1	0.0
1976	C	819.7	817.6	-2.1	-0.3
1977	C	4146.3	4031.2	-115.1	-2.8
1978	AN	2954.3	2919.2	-35.2	-1.2
1979	BN	2951.2	2948.2	-3.0	-0.1
1980	AN	2524.7	2519.0	-5.7	-0.2
1981	D	2704.5	2519.1	-185.4	-6.9
1982	W	2349.2	2311.9	-37.3	-1.6
1983	W	383.7	382.9	-0.8	-0.2
1984	W	189.3	188.9	-0.4	-0.2
1985	D	2126.8	2122.8	-3.9	-0.2
1986	W	2181.3	2045.9	-135.4	-6.2
1987	D	2484.2	2491.6	7.4	0.3
1988	C	3199.5	3154.7	-44.8	-1.4
1989	D	3934.8	3910.9	-23.9	-0.6
1990	C	2334.2	2203.8	-130.4	-5.6
1991	C	3836.7	3751.5	-85.3	-2.2
Mean:		2330.4	2283.3	-47.1	-1.7
Median:		2484.2	2491.6	-23.9	-0.6
Min:		189.3	188.9	-185.4	-6.9
Max:		4146.3	4031.2	7.4	0.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1494.8	1494.7	-0.1	0.0
1976	C	1279.6	1291.0	11.5	0.9
1977	C	2945.8	2893.6	-52.2	-1.8
1978	AN	2392.4	2383.1	-9.3	-0.4
1979	BN	2380.3	2379.3	-1.0	0.0
1980	AN	1423.6	1422.3	-1.3	-0.1
1981	D	2622.1	2571.7	-50.4	-1.9
1982	W	371.0	369.5	-1.5	-0.4
1983	W	183.6	183.7	0.1	0.1
1984	W	177.2	177.2	0.0	0.0
1985	D	371.0	376.3	5.3	1.4
1986	W	1863.3	1813.0	-50.3	-2.7
1987	D	2472.1	2479.4	7.3	0.3
1988	C	2574.5	2551.4	-23.2	-0.9
1989	D	2702.8	2696.3	-6.4	-0.2
1990	C	2131.5	2072.7	-58.9	-2.8
1991	C	3125.7	3058.7	-67.0	-2.1
Mean:		1794.8	1777.3	-17.5	-0.6
Median:		2131.5	2072.7	-1.5	-0.2
Min:		177.2	177.2	-67.0	-2.8
Max:		3125.7	3058.7	11.5	1.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1115.3	1114.4	-0.9	-0.1
1976	C	1338.7	1349.4	10.7	0.8
1977	C	3196.4	3170.0	-26.4	-0.8
1978	AN	1339.2	1338.0	-1.2	-0.1
1979	BN	1762.7	1760.4	-2.3	-0.1
1980	AN	693.6	697.4	3.8	0.5
1981	D	1307.4	1295.3	-12.1	-0.9
1982	W	180.4	180.5	0.1	0.1
1983	W	178.9	178.9	0.0	0.0
1984	W	178.1	178.1	0.0	0.0
1985	D	230.1	235.4	5.3	2.3
1986	W	936.9	917.2	-19.7	-2.1
1987	D	2002.5	2047.6	45.1	2.3
1988	C	1295.6	1275.8	-19.8	-1.5
1989	D	2046.4	2041.9	-4.6	-0.2
1990	C	1562.1	1561.7	-0.4	0.0
1991	C	2888.6	2876.6	-12.0	-0.4
Mean:		1309.0	1307.0	-2.0	0.0
Median:		1307.4	1295.3	-0.9	-0.1
Min:		178.1	178.1	-26.4	-2.1
Max:		3196.4	3170.0	45.1	2.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	981.8	1030.7	48.8	5.0
1976	C	1296.1	1317.4	21.3	1.6
1977	C	2965.5	2923.5	-42.0	-1.4
1978	AN	219.9	219.8	0.0	0.0
1979	BN	456.9	467.8	11.0	2.4
1980	AN	193.1	193.4	0.3	0.2
1981	D	400.7	424.4	23.7	5.9
1982	W	191.8	191.8	0.0	0.0
1983	W	188.0	188.0	0.0	0.0
1984	W	179.4	179.5	0.1	0.1
1985	D	462.5	499.7	37.2	8.0
1986	W	406.1	411.7	5.6	1.4
1987	D	1103.4	1146.4	43.0	3.9
1988	C	357.6	354.8	-2.9	-0.8
1989	D	1355.8	1353.4	-2.4	-0.2
1990	C	821.8	763.2	-58.6	-7.1
1991	C	2858.0	2775.5	-82.5	-2.9
Mean:		849.3	849.5	0.2	0.9
Median:		456.9	467.8	0.1	0.1
Min:		179.4	179.5	-82.5	-7.1
Max:		2965.5	2923.5	48.8	8.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	210.9	213.5	2.7	1.3
1976	C	785.0	781.0	-4.1	-0.5
1977	C	1756.6	1738.4	-18.1	-1.0
1978	AN	192.1	192.1	0.0	0.0
1979	BN	209.1	209.0	-0.2	-0.1
1980	AN	185.5	185.5	0.0	0.0
1981	D	241.8	247.8	6.0	2.5
1982	W	179.7	179.7	0.0	0.0
1983	W	181.7	181.7	0.0	0.0
1984	W	181.4	181.4	0.0	0.0
1985	D	559.0	580.5	21.4	3.8
1986	W	182.8	182.8	0.0	0.0
1987	D	499.3	506.7	7.4	1.5
1988	C	268.1	267.1	-1.1	-0.4
1989	D	1427.9	1426.0	-1.9	-0.1
1990	C	525.6	503.9	-21.7	-4.1
1991	C	2000.2	1899.6	-100.6	-5.0
Mean:		563.9	557.4	-6.5	-0.1
Median:		241.8	247.8	0.0	0.0
Min:		179.7	179.7	-100.6	-5.0
Max:		2000.2	1899.6	21.4	3.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	181.1	181.0	0.0	0.0
1976	C	368.2	367.4	-0.8	-0.2
1977	C	1438.2	1434.3	-3.9	-0.3
1978	AN	189.6	189.6	0.0	0.0
1979	BN	189.2	190.0	0.8	0.4
1980	AN	181.0	181.0	0.0	0.0
1981	D	198.9	199.4	0.5	0.3
1982	W	189.4	189.4	0.0	0.0
1983	W	179.9	179.9	0.0	0.0
1984	W	180.6	180.6	0.0	0.0
1985	D	389.9	392.9	3.0	0.8
1986	W	180.3	180.3	0.0	0.0
1987	D	237.4	238.2	0.8	0.3
1988	C	485.5	481.8	-3.7	-0.8
1989	D	212.5	213.1	0.5	0.2
1990	C	536.2	577.5	41.3	7.7
1991	C	341.7	337.9	-3.8	-1.1
Mean:		334.1	336.1	2.0	0.4
Median:		198.9	199.4	0.0	0.0
Min:		179.9	179.9	-3.9	-1.1
Max:		1438.2	1434.3	41.3	7.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	185.9	185.9	0.0	0.0
1976	C	640.7	626.1	-14.7	-2.3
1977	C	1178.7	1177.1	-1.6	-0.1
1978	AN	187.8	187.8	0.0	0.0
1979	BN	199.4	199.5	0.1	0.1
1980	AN	189.9	190.0	0.0	0.0
1981	D	211.0	210.1	-0.8	-0.4
1982	W	177.6	177.6	0.0	0.0
1983	W	180.1	180.1	0.0	0.0
1984	W	188.4	188.4	0.0	0.0
1985	D	401.4	396.8	-4.6	-1.1
1986	W	191.7	191.8	0.1	0.1
1987	D	250.7	250.8	0.1	0.0
1988	C	835.4	835.9	0.5	0.1
1989	D	190.0	190.1	0.0	0.0
1990	C	524.0	541.0	17.0	3.2
1991	C	257.6	254.7	-2.9	-1.1
Mean:		352.4	352.0	-0.4	-0.1
Median:		199.4	199.5	0.0	0.0
Min:		177.6	177.6	-14.7	-2.3
Max:		1178.7	1177.1	17.0	3.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	183.2	183.2	0.0	0.0
1976	C	1390.5	1380.9	-9.6	-0.7
1977	C	1798.3	1863.2	64.9	3.6
1978	AN	187.4	187.4	0.0	0.0
1979	BN	205.7	205.6	0.0	0.0
1980	AN	200.1	198.9	-1.2	-0.6
1981	D	299.9	322.2	22.3	7.4
1982	W	178.3	178.4	0.0	0.0
1983	W	176.4	176.4	0.0	0.0
1984	W	227.9	223.1	-4.8	-2.1
1985	D	288.8	294.9	6.1	2.1
1986	W	205.8	203.6	-2.2	-1.1
1987	D	503.3	535.4	32.1	6.4
1988	C	876.3	875.4	-0.8	-0.1
1989	D	242.4	245.5	3.1	1.3
1990	C	775.4	875.0	99.6	12.8
1991	C	521.1	554.1	33.1	6.4
Mean:		485.9	500.2	14.3	2.1
Median:		242.4	245.5	0.0	0.0
Min:		176.4	176.4	-9.6	-2.1
Max:		1798.3	1863.2	99.6	12.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					1

Sacramento River at Emmaton Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	186.0	186.0	0.0	0.0
1976	C	2461.1	2459.7	-1.3	-0.1
1977	C	1870.6	1988.4	117.8	6.3
1978	AN	206.8	206.8	0.0	0.0
1979	BN	246.8	246.9	0.1	0.0
1980	AN	312.6	311.7	-0.9	-0.3
1981	D	797.1	832.8	35.7	4.5
1982	W	184.5	184.5	0.0	0.0
1983	W	174.4	174.4	0.0	0.0
1984	W	391.6	386.3	-5.3	-1.4
1985	D	740.8	747.6	6.9	0.9
1986	W	312.0	310.7	-1.3	-0.4
1987	D	797.3	871.1	73.8	9.3
1988	C	1384.7	1425.1	40.5	2.9
1989	D	673.9	661.0	-13.0	-1.9
1990	C	2057.0	2172.1	115.1	5.6
1991	C	1599.2	1694.7	95.5	6.0
Mean:		846.8	874.1	27.3	1.8
Median:		673.9	661.0	0.0	0.0
Min:		174.4	174.4	-13.0	-1.9
Max:		2461.1	2459.7	117.8	9.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	325.3	321.4	-3.9	-1.2
1976	C	1363.0	1491.6	128.6	9.4
1977	C	1665.2	1706.7	41.4	2.5
1978	AN	326.7	323.4	-3.4	-1.0
1979	BN	578.0	566.9	-11.1	-1.9
1980	AN	466.9	460.4	-6.5	-1.4
1981	D	1242.7	1277.6	34.9	2.8
1982	W	287.3	284.5	-2.8	-1.0
1983	W	179.2	179.2	0.0	0.0
1984	W	427.5	424.9	-2.6	-0.6
1985	D	991.5	1062.1	70.5	7.1
1986	W	434.7	413.3	-21.4	-4.9
1987	D	1215.6	1183.7	-31.9	-2.6
1988	C	2013.6	1962.9	-50.7	-2.5
1989	D	1014.9	1104.9	90.0	8.9
1990	C	2308.1	2165.0	-143.0	-6.2
1991	C	2458.3	2378.7	-79.6	-3.2
Mean:		1017.6	1018.1	0.5	0.2
Median:		991.5	1062.1	-3.4	-1.0
Min:		179.2	179.2	-143.0	-6.2
Max:		2458.3	2378.7	128.6	9.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1112.6	1061.7	-50.9	-4.6
1976	C	1863.1	2010.0	146.9	7.9
1977	C	2282.9	2122.5	-160.5	-7.0
1978	AN	1002.2	957.5	-44.7	-4.5
1979	BN	1137.4	1086.3	-51.1	-4.5
1980	AN	785.3	750.9	-34.4	-4.4
1981	D	1130.5	1170.8	40.3	3.6
1982	W	963.8	921.8	-41.9	-4.3
1983	W	255.7	238.1	-17.5	-6.8
1984	W	983.5	965.2	-18.3	-1.9
1985	D	1360.1	1427.4	67.3	4.9
1986	W	1276.4	1266.3	-10.1	-0.8
1987	D	2060.9	2044.1	-16.8	-0.8
1988	C	2333.3	2289.4	-43.9	-1.9
1989	D	2246.5	2145.1	-101.5	-4.5
1990	C	2369.5	2260.8	-108.7	-4.6
1991	C	2303.3	2247.1	-56.2	-2.4
Mean:		1498.1	1468.5	-29.5	-2.2
Median:		1276.4	1266.3	-41.9	-4.3
Min:		255.7	238.1	-160.5	-7.0
Max:		2369.5	2289.4	146.9	7.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Sacramento River at Emmaton Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1038.6	1025.6	-12.9	-1.2
1976	C	3179.9	3226.6	46.8	1.5
1977	C	3232.7	3105.5	-127.3	-3.9
1978	AN	1898.1	1882.2	-15.9	-0.8
1979	BN	2339.7	2318.8	-20.9	-0.9
1980	AN	1760.3	1593.7	-166.6	-9.5
1981	D	1191.0	1196.3	5.4	0.5
1982	W	1105.9	1096.0	-9.9	-0.9
1983	W	208.4	202.5	-5.8	-2.8
1984	W	2025.6	2016.0	-9.6	-0.5
1985	D	1867.3	1880.8	13.5	0.7
1986	W	2092.5	2093.0	0.5	0.0
1987	D	2847.8	2767.9	-79.8	-2.8
1988	C	2912.0	2867.5	-44.5	-1.5
1989	D	2796.3	2685.9	-110.4	-3.9
1990	C	3056.9	2956.7	-100.2	-3.3
1991	C	3132.1	3092.7	-39.5	-1.3
Mean:		2157.9	2118.1	-39.8	-1.8
Median:		2092.5	2093.0	-15.9	-1.2
Min:		208.4	202.5	-166.6	-9.5
Max:		3232.7	3226.6	46.8	1.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at the San Joaquin River at Jersey Point under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	2,065	1,640	1,565	1,102	701	405	306	376	639	1,057	1,443	2,196
NEPA Yuba Accord Alternative	2,049	1,629	1,561	1,103	700	405	307	383	643	1,105	1,462	2,162
Difference	-16.3	-10.1	-3.6	0.3	-1.0	0.1	0.2	6.4	4.0	48.1	19.2	-33.5
Percent Difference ³	-0.8	-0.6	-0.2	0.0	-0.1	0.0	0.1	1.7	0.6	4.5	1.3	-1.5
Water Year Types¹												
Wet												
NEPA No Action Alternative	1,085	971	825	636	264	202	198	205	219	408	1,022	1,735
NEPA Yuba Accord Alternative	1,094	968	819	650	269	202	198	205	218	415	1,025	1,723
Difference	9.7	-2.6	-5.9	13.7	4.6	0.0	0.1	-0.4	-0.8	7.7	2.7	-11.8
Percent Difference	0.9	-0.3	-0.7	2.2	1.7	0.0	0.0	-0.2	-0.4	1.9	0.3	-0.7
Above Normal												
NEPA No Action Alternative	2,232	1,558	1,702	425	220	212	214	213	222	525	1,085	2,295
NEPA Yuba Accord Alternative	2,214	1,552	1,704	426	220	212	214	212	221	533	1,094	2,144
Difference	-18.6	-5.2	1.8	0.9	0.0	0.0	0.0	-0.2	-0.2	7.4	9.4	-151.3
Percent Difference	-0.8	-0.3	0.1	0.2	0.0	0.0	0.0	-0.1	-0.1	1.4	0.9	-6.6
Below Normal												
NEPA No Action Alternative	2,566	2,490	2,051	674	268	222	215	220	236	634	1,287	2,305
NEPA Yuba Accord Alternative	2,561	2,489	2,049	683	269	223	215	220	236	643	1,311	2,291
Difference	-4.8	-0.9	-2.1	9.7	0.7	0.6	0.3	0.0	0.1	8.9	23.1	-14.0
Percent Difference	-0.2	0.0	-0.1	1.4	0.2	0.3	0.1	0.0	0.0	1.4	1.8	-0.6
Dry												
NEPA No Action Alternative	2,466	1,888	1,455	1,254	1,036	439	253	288	608	1,656	2,275	2,655
NEPA Yuba Accord Alternative	2,401	1,875	1,468	1,292	1,062	443	252	294	612	1,791	2,342	2,632
Difference	-64.8	-12.6	13.1	38.3	26.8	3.7	-0.1	5.8	4.8	135.3	66.9	-22.5
Percent Difference	-2.6	-0.7	0.9	3.1	2.6	0.8	0.0	2.0	0.8	8.2	2.9	-0.8
Critical												
NEPA No Action Alternative	2,559	1,972	2,241	1,804	1,148	696	513	715	1,331	1,526	1,371	2,228
NEPA Yuba Accord Alternative	2,554	1,953	2,224	1,758	1,118	693	513	732	1,341	1,569	1,372	2,208
Difference	-4.7	-19.2	-17.1	-45.8	-29.6	-2.9	0.7	17.6	10.5	42.8	0.7	-20.7
Percent Difference	-0.2	-1.0	-0.8	-2.5	-2.6	-0.4	0.1	2.5	0.8	2.8	0.0	-0.9

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

San Joaquin River at Jersey Point Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	465.1	465.1	0.0	0.0
1976	C	1291.1	1286.8	-4.3	-0.3
1977	C	3838.8	3866.3	27.5	0.7
1978	AN	1701.0	1666.9	-34.1	-2.0
1979	BN	2565.6	2560.8	-4.8	-0.2
1980	AN	2763.5	2760.3	-3.2	-0.1
1981	D	2238.3	2008.2	-230.0	-10.3
1982	W	2204.8	2213.5	8.8	0.4
1983	W	382.5	381.4	-1.0	-0.3
1984	W	201.3	200.5	-0.8	-0.4
1985	D	2706.2	2700.8	-5.4	-0.2
1986	W	2169.2	2210.6	41.4	1.9
1987	D	2245.3	2237.3	-8.0	-0.4
1988	C	2548.9	2530.4	-18.5	-0.7
1989	D	2674.1	2658.5	-15.5	-0.6
1990	C	2562.6	2570.6	8.0	0.3
1991	C	2554.5	2518.3	-36.3	-1.4
Mean:		2065.5	2049.2	-16.2	-0.8
Median:		2245.3	2237.3	-4.3	-0.3
Min:		201.3	200.5	-230.0	-10.3
Max:		3838.8	3866.3	41.4	1.9
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1551.5	1551.5	0.1	0.0
1976	C	1702.1	1674.8	-27.3	-1.6
1977	C	2373.7	2352.6	-21.0	-0.9
1978	AN	1391.9	1383.0	-8.9	-0.6
1979	BN	2490.1	2489.2	-0.9	0.0
1980	AN	1723.3	1721.8	-1.5	-0.1
1981	D	2054.9	2004.2	-50.8	-2.5
1982	W	1265.4	1263.5	-1.9	-0.2
1983	W	196.3	196.3	0.0	0.0
1984	W	185.3	185.3	0.0	0.0
1985	D	1333.4	1348.4	15.0	1.1
1986	W	1655.1	1643.8	-11.3	-0.7
1987	D	2056.6	2046.8	-9.8	-0.5
1988	C	1901.8	1895.1	-6.7	-0.4
1989	D	2105.7	2100.7	-5.0	-0.2
1990	C	1912.5	1902.5	-9.9	-0.5
1991	C	1972.1	1941.1	-31.0	-1.6
Mean:		1639.5	1629.4	-10.1	-0.5
Median:		1723.3	1721.8	-6.7	-0.4
Min:		185.3	185.3	-50.8	-2.5
Max:		2490.1	2489.2	15.0	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1865.8	1864.6	-1.3	-0.1
1976	C	2393.5	2359.3	-34.3	-1.4
1977	C	2756.8	2751.4	-5.4	-0.2
1978	AN	1993.9	1991.5	-2.5	-0.1
1979	BN	2050.7	2048.6	-2.1	-0.1
1980	AN	1410.0	1416.0	6.0	0.4
1981	D	1699.8	1688.2	-11.6	-0.7
1982	W	225.6	225.9	0.4	0.2
1983	W	188.2	188.1	0.0	0.0
1984	W	179.6	179.6	0.0	0.0
1985	D	339.5	351.2	11.7	3.4
1986	W	1663.6	1635.1	-28.5	-1.7
1987	D	1940.4	1996.3	55.9	2.9
1988	C	2308.6	2280.4	-28.3	-1.2
1989	D	1841.3	1837.6	-3.7	-0.2
1990	C	1848.5	1840.6	-7.8	-0.4
1991	C	1898.2	1888.6	-9.7	-0.5
Mean:		1564.9	1561.4	-3.6	0.0
Median:		1848.5	1840.6	-7.8	-0.4
Min:		179.6	179.6	0.0	0.0
Max:		2756.8	2751.4	-5.4	-0.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1733.1	1796.7	63.6	3.7
1976	C	1982.9	1938.0	-44.9	-2.3
1977	C	2391.9	2365.8	-26.1	-1.1
1978	AN	517.1	516.9	-0.2	0.0
1979	BN	673.8	683.5	9.7	1.4
1980	AN	333.9	335.9	2.0	0.6
1981	D	784.0	824.6	40.6	5.2
1982	W	227.5	227.5	0.0	0.0
1983	W	209.1	209.1	0.0	0.0
1984	W	180.2	180.2	0.0	0.0
1985	D	704.8	759.1	54.3	7.7
1986	W	831.1	836.1	5.0	0.6
1987	D	1475.1	1535.5	60.4	4.1
1988	C	1077.2	1062.7	-14.5	-1.3
1989	D	2052.8	2050.7	-2.1	-0.1
1990	C	1752.7	1655.6	-97.0	-5.5
1991	C	1814.7	1768.2	-46.5	-2.6
Mean:		1102.5	1102.7	0.3	0.6
Median:		831.1	836.1	0.0	0.0
Min:		180.2	180.2	-97.0	-5.5
Max:		2391.9	2365.8	63.6	7.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	494.9	516.8	21.9	4.4
1976	C	1346.0	1327.5	-18.5	-1.4
1977	C	1484.7	1464.8	-19.9	-1.3
1978	AN	234.9	234.9	0.0	0.0
1979	BN	268.1	268.8	0.7	0.3
1980	AN	205.9	205.9	0.0	0.0
1981	D	434.4	460.0	25.6	5.9
1982	W	201.1	201.0	0.0	0.0
1983	W	185.5	185.6	0.1	0.1
1984	W	192.1	192.1	0.0	0.0
1985	D	1195.1	1254.2	59.0	4.9
1986	W	247.5	248.4	0.9	0.4
1987	D	1120.0	1143.8	23.8	2.1
1988	C	334.4	334.3	-0.2	-0.1
1989	D	1392.8	1391.4	-1.4	-0.1
1990	C	1087.8	1019.3	-68.5	-6.3
1991	C	1485.4	1444.6	-40.7	-2.7
Mean:		700.6	699.6	-1.0	0.4
Median:		434.4	460.0	0.0	0.0
Min:		185.5	185.6	-68.5	-6.3
Max:		1485.4	1464.8	59.0	5.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	206.6	206.8	0.3	0.1
1976	C	606.0	603.4	-2.6	-0.4
1977	C	995.4	990.3	-5.1	-0.5
1978	AN	228.7	228.7	0.0	0.0
1979	BN	222.3	222.9	0.6	0.3
1980	AN	194.4	194.4	0.0	0.0
1981	D	263.4	265.6	2.3	0.9
1982	W	216.5	216.4	-0.2	-0.1
1983	W	190.4	190.4	0.0	0.0
1984	W	194.6	194.6	0.0	0.0
1985	D	605.5	613.9	8.4	1.4
1986	W	202.9	202.8	-0.1	0.0
1987	D	453.7	455.8	2.2	0.5
1988	C	342.9	343.4	0.5	0.1
1989	D	432.9	434.8	1.8	0.4
1990	C	640.7	642.9	2.2	0.3
1991	C	894.4	885.0	-9.4	-1.1
Mean:		405.4	405.4	0.1	0.1
Median:		263.4	265.6	0.0	0.0
Min:		190.4	190.4	-9.4	-1.1
Max:		995.4	990.3	8.4	1.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	207.2	207.2	0.0	0.0
1976	C	461.4	455.0	-6.4	-1.4
1977	C	816.5	814.8	-1.7	-0.2
1978	AN	223.9	223.9	0.0	0.0
1979	BN	214.5	214.8	0.3	0.1
1980	AN	204.6	204.7	0.1	0.0
1981	D	214.8	214.7	-0.1	0.0
1982	W	185.9	185.9	0.0	0.0
1983	W	187.4	187.4	0.0	0.0
1984	W	198.9	198.9	0.0	0.0
1985	D	329.8	329.0	-0.8	-0.2
1986	W	211.9	212.2	0.2	0.1
1987	D	256.3	256.7	0.4	0.2
1988	C	597.5	597.8	0.3	0.1
1989	D	209.3	209.5	0.2	0.1
1990	C	423.4	436.6	13.2	3.1
1991	C	264.3	262.7	-1.6	-0.6
Mean:		306.3	306.6	0.2	0.1
Median:		214.8	214.8	0.0	0.0
Min:		185.9	185.9	-6.4	-1.4
Max:		816.5	814.8	13.2	3.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	208.4	208.4	0.0	0.0
1976	C	942.2	934.3	-7.9	-0.8
1977	C	1005.8	1035.5	29.8	3.0
1978	AN	206.2	206.2	0.0	0.0
1979	BN	219.8	219.8	0.0	0.0
1980	AN	219.0	218.7	-0.4	-0.2
1981	D	283.0	293.9	10.9	3.9
1982	W	181.1	181.2	0.1	0.1
1983	W	177.7	177.7	0.0	0.0
1984	W	242.6	241.1	-1.5	-0.6
1985	D	275.0	277.3	2.3	0.8
1986	W	216.8	216.2	-0.6	-0.3
1987	D	357.6	371.4	13.8	3.9
1988	C	729.1	728.4	-0.7	-0.1
1989	D	237.5	233.5	-4.0	-1.7
1990	C	524.2	575.9	51.7	9.9
1991	C	372.1	387.0	14.9	4.0
Mean:		376.3	382.7	6.4	1.3
Median:		242.6	241.1	0.0	0.0
Min:		177.7	177.7	-7.9	-1.7
Max:		1005.8	1035.5	51.7	9.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	194.6	194.6	0.0	0.0
1976	C	2273.4	2271.4	-2.0	-0.1
1977	C	1175.1	1223.7	48.5	4.1
1978	AN	205.2	205.2	0.0	0.0
1979	BN	235.6	235.7	0.1	0.0
1980	AN	237.8	237.4	-0.4	-0.2
1981	D	688.5	723.3	34.8	5.1
1982	W	190.1	190.1	0.0	0.0
1983	W	162.6	162.6	0.0	0.0
1984	W	304.5	301.0	-3.5	-1.1
1985	D	537.7	535.1	-2.6	-0.5
1986	W	242.3	241.8	-0.5	-0.2
1987	D	612.2	625.1	12.9	2.1
1988	C	943.0	931.3	-11.8	-1.3
1989	D	592.3	566.5	-25.7	-4.3
1990	C	1302.9	1299.6	-3.3	-0.3
1991	C	958.5	979.5	21.1	2.2
Mean:		638.6	642.6	4.0	0.3
Median:		537.7	535.1	0.0	0.0
Min:		162.6	162.6	-25.7	-4.3
Max:		2273.4	2271.4	48.5	5.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Jersey Point Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	417.2	422.4	5.2	1.2
1976	C	1964.2	2242.5	278.3	14.2
1977	C	1170.9	1189.9	19.0	1.6
1978	AN	454.2	459.2	5.1	1.1
1979	BN	634.0	642.9	8.9	1.4
1980	AN	596.8	606.5	9.7	1.6
1981	D	2212.8	2378.4	165.7	7.5
1982	W	313.0	316.1	3.1	1.0
1983	W	180.0	179.9	-0.1	-0.1
1984	W	628.0	633.2	5.3	0.8
1985	D	1693.9	1862.5	168.5	9.9
1986	W	499.7	524.7	25.1	5.0
1987	D	1395.7	1427.4	31.7	2.3
1988	C	1228.2	1215.2	-13.0	-1.1
1989	D	1321.4	1496.9	175.5	13.3
1990	C	1655.6	1591.1	-64.5	-3.9
1991	C	1610.0	1604.4	-5.6	-0.3
Mean:		1057.4	1105.5	48.1	3.3
Median:		1170.9	1189.9	8.9	1.4
Min:		180.0	179.9	-64.5	-3.9
Max:		2212.8	2378.4	278.3	14.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					2

San Joaquin River at Jersey Point Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1399.2	1415.3	16.1	1.2
1976	C	1415.8	1591.2	175.3	12.4
1977	C	1335.0	1254.8	-80.2	-6.0
1978	AN	978.6	993.6	15.1	1.5
1979	BN	1287.5	1310.6	23.1	1.8
1980	AN	1190.7	1194.4	3.7	0.3
1981	D	1827.8	1922.7	94.9	5.2
1982	W	997.9	1013.8	15.9	1.6
1983	W	299.4	276.3	-23.1	-7.7
1984	W	1383.4	1386.9	3.5	0.3
1985	D	2203.5	2344.2	140.6	6.4
1986	W	1030.7	1031.8	1.0	0.1
1987	D	2048.5	2038.5	-10.0	-0.5
1988	C	1306.3	1287.0	-19.3	-1.5
1989	D	3021.1	3063.2	42.1	1.4
1990	C	1375.3	1329.9	-45.4	-3.3
1991	C	1423.3	1396.2	-27.1	-1.9
Mean:		1442.6	1461.8	19.2	0.7
Median:		1375.3	1329.9	3.7	0.3
Min:		299.4	276.3	-80.2	-7.7
Max:		3021.1	3063.2	175.3	12.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					1

San Joaquin River at Jersey Point Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	1940.8	1921.3	-19.5	-1.0
1976	C	3148.6	3210.7	62.1	2.0
1977	C	2130.8	2017.7	-113.1	-5.3
1978	AN	2418.9	2406.2	-12.6	-0.5
1979	BN	2305.3	2291.3	-14.0	-0.6
1980	AN	2171.7	1881.8	-289.9	-13.3
1981	D	1723.4	1741.7	18.3	1.1
1982	W	1485.8	1479.8	-6.0	-0.4
1983	W	303.4	280.3	-23.0	-7.6
1984	W	2595.7	2584.3	-11.4	-0.4
1985	D	2638.4	2671.1	32.7	1.2
1986	W	2347.5	2348.1	0.6	0.0
1987	D	2798.3	2808.3	10.0	0.4
1988	C	1941.8	1927.0	-14.8	-0.8
1989	D	3458.3	3307.4	-150.9	-4.4
1990	C	1991.1	1956.7	-34.4	-1.7
1991	C	1930.0	1926.7	-3.3	-0.2
Mean:		2195.9	2162.4	-33.5	-1.9
Median:		2171.7	2017.7	-12.6	-0.5
Min:		303.4	280.3	-289.9	-13.3
Max:		3458.3	3307.4	62.1	2.0
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at the San Joaquin River at Airport Way Bridge (Vernalis) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	601	649	559	497	512	541	425	425	530	642	771	957
NEPA Yuba Accord Alternative	601	649	559	497	512	541	425	425	530	642	771	957
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference ³	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types¹												
Wet												
NEPA No Action Alternative	520	545	448	341	198	235	248	269	340	537	692	746
NEPA Yuba Accord Alternative	520	545	448	341	198	235	248	269	340	537	692	746
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal												
NEPA No Action Alternative	714	716	597	234	172	251	241	244	281	530	671	760
NEPA Yuba Accord Alternative	714	716	597	234	172	251	241	244	281	530	671	760
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal												
NEPA No Action Alternative	403	711	589	311	213	282	302	304	618	694	703	883
NEPA Yuba Accord Alternative	403	711	589	311	213	282	302	304	618	694	703	883
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry												
NEPA No Action Alternative	612	690	591	628	721	714	544	521	687	665	760	1,097
NEPA Yuba Accord Alternative	612	690	591	628	721	714	544	521	687	665	760	1,097
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical												
NEPA No Action Alternative	669	680	624	691	855	877	605	600	676	764	914	1,149
NEPA Yuba Accord Alternative	669	680	624	691	855	877	605	600	676	764	914	1,149
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	610.7	610.7	0.0	0.0
1976	C	526.0	526.0	0.0	0.0
1977	C	496.7	496.7	0.0	0.0
1978	AN	763.2	763.2	0.0	0.0
1979	BN	402.7	402.7	0.0	0.0
1980	AN	665.4	665.4	0.0	0.0
1981	D	398.2	398.2	0.0	0.0
1982	W	795.0	795.0	0.0	0.0
1983	W	201.4	201.4	0.0	0.0
1984	W	204.7	204.7	0.0	0.0
1985	D	673.9	673.9	0.0	0.0
1986	W	788.4	788.4	0.0	0.0
1987	D	595.3	595.3	0.0	0.0
1988	C	774.6	774.6	0.0	0.0
1989	D	780.0	780.0	0.0	0.0
1990	C	784.8	784.8	0.0	0.0
1991	C	763.2	763.2	0.0	0.0
Mean:		601.4	601.4	0.0	0.0
Median:		665.4	665.4	0.0	0.0
Min:		201.4	201.4	0.0	0.0
Max:		795.0	795.0	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	690.6	690.6	0.0	0.0
1976	C	670.0	670.0	0.0	0.0
1977	C	556.5	556.5	0.0	0.0
1978	AN	781.5	781.5	0.0	0.0
1979	BN	711.4	711.4	0.0	0.0
1980	AN	651.1	651.1	0.0	0.0
1981	D	689.6	689.6	0.0	0.0
1982	W	806.6	806.6	0.0	0.0
1983	W	253.0	253.0	0.0	0.0
1984	W	167.1	167.1	0.0	0.0
1985	D	660.8	660.8	0.0	0.0
1986	W	808.5	808.5	0.0	0.0
1987	D	677.5	677.5	0.0	0.0
1988	C	761.0	761.0	0.0	0.0
1989	D	730.1	730.1	0.0	0.0
1990	C	719.4	719.4	0.0	0.0
1991	C	694.9	694.9	0.0	0.0
Mean:		648.8	648.8	0.0	0.0
Median:		690.6	690.6	0.0	0.0
Min:		167.1	167.1	0.0	0.0
Max:		808.5	808.5	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	584.4	584.4	0.0	0.0
1976	C	575.2	575.2	0.0	0.0
1977	C	586.8	586.8	0.0	0.0
1978	AN	644.6	644.6	0.0	0.0
1979	BN	588.9	588.9	0.0	0.0
1980	AN	548.8	548.8	0.0	0.0
1981	D	585.9	585.9	0.0	0.0
1982	W	717.4	717.4	0.0	0.0
1983	W	118.5	118.5	0.0	0.0
1984	W	111.5	111.5	0.0	0.0
1985	D	582.4	582.4	0.0	0.0
1986	W	708.0	708.0	0.0	0.0
1987	D	596.7	596.7	0.0	0.0
1988	C	687.1	687.1	0.0	0.0
1989	D	598.7	598.7	0.0	0.0
1990	C	655.7	655.7	0.0	0.0
1991	C	613.1	613.1	0.0	0.0
	Mean:	559.0	559.0	0.0	0.0
	Median:	588.9	588.9	0.0	0.0
	Min:	111.5	111.5	0.0	0.0
	Max:	717.4	717.4	0.0	0.0
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	617.5	617.5	0.0	0.0
1976	C	636.1	636.1	0.0	0.0
1977	C	723.0	723.0	0.0	0.0
1978	AN	331.8	331.8	0.0	0.0
1979	BN	311.2	311.2	0.0	0.0
1980	AN	136.3	136.3	0.0	0.0
1981	D	555.1	555.1	0.0	0.0
1982	W	240.5	240.5	0.0	0.0
1983	W	103.4	103.4	0.0	0.0
1984	W	138.0	138.0	0.0	0.0
1985	D	636.3	636.3	0.0	0.0
1986	W	607.5	607.5	0.0	0.0
1987	D	641.0	641.0	0.0	0.0
1988	C	698.6	698.6	0.0	0.0
1989	D	679.8	679.8	0.0	0.0
1990	C	700.6	700.6	0.0	0.0
1991	C	697.7	697.7	0.0	0.0
Mean:		497.3	497.3	0.0	0.0
Median:		617.5	617.5	0.0	0.0
Min:		103.4	103.4	0.0	0.0
Max:		723.0	723.0	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	326.0	326.0	0.0	0.0
1976	C	750.1	750.1	0.0	0.0
1977	C	908.4	908.4	0.0	0.0
1978	AN	232.7	232.7	0.0	0.0
1979	BN	212.5	212.5	0.0	0.0
1980	AN	111.8	111.8	0.0	0.0
1981	D	623.0	623.0	0.0	0.0
1982	W	173.9	173.9	0.0	0.0
1983	W	101.4	101.4	0.0	0.0
1984	W	230.1	230.1	0.0	0.0
1985	D	714.9	714.9	0.0	0.0
1986	W	159.4	159.4	0.0	0.0
1987	D	727.3	727.3	0.0	0.0
1988	C	886.1	886.1	0.0	0.0
1989	D	817.7	817.7	0.0	0.0
1990	C	853.6	853.6	0.0	0.0
1991	C	877.7	877.7	0.0	0.0
Mean:		512.2	512.2	0.0	0.0
Median:		623.0	623.0	0.0	0.0
Min:		101.4	101.4	0.0	0.0
Max:		908.4	908.4	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	284.5	284.5	0.0	0.0
1976	C	835.2	835.2	0.0	0.0
1977	C	1006.2	1006.2	0.0	0.0
1978	AN	284.5	284.5	0.0	0.0
1979	BN	281.8	281.8	0.0	0.0
1980	AN	216.9	216.9	0.0	0.0
1981	D	505.9	505.9	0.0	0.0
1982	W	218.5	218.5	0.0	0.0
1983	W	131.6	131.6	0.0	0.0
1984	W	376.5	376.5	0.0	0.0
1985	D	743.6	743.6	0.0	0.0
1986	W	163.4	163.4	0.0	0.0
1987	D	780.6	780.6	0.0	0.0
1988	C	1006.5	1006.5	0.0	0.0
1989	D	827.1	827.1	0.0	0.0
1990	C	934.4	934.4	0.0	0.0
1991	C	602.4	602.4	0.0	0.0
Mean:		541.1	541.1	0.0	0.0
Median:		505.9	505.9	0.0	0.0
Min:		131.6	131.6	0.0	0.0
Max:		1006.5	1006.5	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	302.7	302.7	0.0	0.0
1976	C	592.7	592.7	0.0	0.0
1977	C	686.9	686.9	0.0	0.0
1978	AN	212.7	212.7	0.0	0.0
1979	BN	301.9	301.9	0.0	0.0
1980	AN	269.8	269.8	0.0	0.0
1981	D	430.8	430.8	0.0	0.0
1982	W	152.9	152.9	0.0	0.0
1983	W	169.5	169.5	0.0	0.0
1984	W	389.6	389.6	0.0	0.0
1985	D	547.0	547.0	0.0	0.0
1986	W	223.2	223.2	0.0	0.0
1987	D	588.4	588.4	0.0	0.0
1988	C	651.4	651.4	0.0	0.0
1989	D	610.9	610.9	0.0	0.0
1990	C	616.6	616.6	0.0	0.0
1991	C	476.3	476.3	0.0	0.0
Mean:		424.9	424.9	0.0	0.0
Median:		430.8	430.8	0.0	0.0
Min:		152.9	152.9	0.0	0.0
Max:		686.9	686.9	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	326.2	326.2	0.0	0.0
1976	C	567.0	567.0	0.0	0.0
1977	C	632.5	632.5	0.0	0.0
1978	AN	208.3	208.3	0.0	0.0
1979	BN	304.3	304.3	0.0	0.0
1980	AN	280.6	280.6	0.0	0.0
1981	D	454.7	454.7	0.0	0.0
1982	W	182.7	182.7	0.0	0.0
1983	W	162.1	162.1	0.0	0.0
1984	W	401.9	401.9	0.0	0.0
1985	D	431.9	431.9	0.0	0.0
1986	W	271.5	271.5	0.0	0.0
1987	D	569.2	569.2	0.0	0.0
1988	C	663.7	663.7	0.0	0.0
1989	D	626.3	626.3	0.0	0.0
1990	C	619.8	619.8	0.0	0.0
1991	C	515.9	515.9	0.0	0.0
Mean:		424.6	424.6	0.0	0.0
Median:		431.9	431.9	0.0	0.0
Min:		162.1	162.1	0.0	0.0
Max:		663.7	663.7	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	364.4	364.4	0.0	0.0
1976	C	681.5	681.5	0.0	0.0
1977	C	658.1	658.1	0.0	0.0
1978	AN	226.8	226.8	0.0	0.0
1979	BN	618.1	618.1	0.0	0.0
1980	AN	335.4	335.4	0.0	0.0
1981	D	695.9	695.9	0.0	0.0
1982	W	266.5	266.5	0.0	0.0
1983	W	125.3	125.3	0.0	0.0
1984	W	609.5	609.5	0.0	0.0
1985	D	697.2	697.2	0.0	0.0
1986	W	336.0	336.0	0.0	0.0
1987	D	681.5	681.5	0.0	0.0
1988	C	669.8	669.8	0.0	0.0
1989	D	674.8	674.8	0.0	0.0
1990	C	674.7	674.7	0.0	0.0
1991	C	696.7	696.7	0.0	0.0
Mean:		530.1	530.1	0.0	0.0
Median:		658.1	658.1	0.0	0.0
Min:		125.3	125.3	0.0	0.0
Max:		697.2	697.2	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	629.2	629.2	0.0	0.0
1976	C	668.1	668.1	0.0	0.0
1977	C	945.7	945.7	0.0	0.0
1978	AN	615.4	615.4	0.0	0.0
1979	BN	693.7	693.7	0.0	0.0
1980	AN	444.9	444.9	0.0	0.0
1981	D	676.3	676.3	0.0	0.0
1982	W	514.4	514.4	0.0	0.0
1983	W	185.3	185.3	0.0	0.0
1984	W	704.1	704.1	0.0	0.0
1985	D	656.9	656.9	0.0	0.0
1986	W	653.8	653.8	0.0	0.0
1987	D	654.5	654.5	0.0	0.0
1988	C	800.3	800.3	0.0	0.0
1989	D	673.0	673.0	0.0	0.0
1990	C	717.7	717.7	0.0	0.0
1991	C	686.9	686.9	0.0	0.0
Mean:		642.4	642.4	0.0	0.0
Median:		668.1	668.1	0.0	0.0
Min:		185.3	185.3	0.0	0.0
Max:		945.7	945.7	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	671.2	671.2	0.0	0.0
1976	C	674.2	674.2	0.0	0.0
1977	C	1093.9	1093.9	0.0	0.0
1978	AN	704.4	704.4	0.0	0.0
1979	BN	702.6	702.6	0.0	0.0
1980	AN	637.3	637.3	0.0	0.0
1981	D	682.3	682.3	0.0	0.0
1982	W	703.2	703.2	0.0	0.0
1983	W	694.4	694.4	0.0	0.0
1984	W	701.6	701.6	0.0	0.0
1985	D	661.0	661.0	0.0	0.0
1986	W	689.2	689.2	0.0	0.0
1987	D	737.9	737.9	0.0	0.0
1988	C	1097.2	1097.2	0.0	0.0
1989	D	958.7	958.7	0.0	0.0
1990	C	947.1	947.1	0.0	0.0
1991	C	755.5	755.5	0.0	0.0
Mean:		771.3	771.3	0.0	0.0
Median:		702.6	702.6	0.0	0.0
Min:		637.3	637.3	0.0	0.0
Max:		1097.2	1097.2	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Airport Way Bridge (Vernalis) Salinity

September					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	859.1	859.1	0.0	0.0
1976	C	1208.2	1208.2	0.0	0.0
1977	C	1189.7	1189.7	0.0	0.0
1978	AN	813.2	813.2	0.0	0.0
1979	BN	882.7	882.7	0.0	0.0
1980	AN	707.1	707.1	0.0	0.0
1981	D	1007.6	1007.6	0.0	0.0
1982	W	604.7	604.7	0.0	0.0
1983	W	422.0	422.0	0.0	0.0
1984	W	962.3	962.3	0.0	0.0
1985	D	1038.2	1038.2	0.0	0.0
1986	W	879.4	879.4	0.0	0.0
1987	D	1213.5	1213.5	0.0	0.0
1988	C	1215.4	1215.4	0.0	0.0
1989	D	1128.6	1128.6	0.0	0.0
1990	C	1120.7	1120.7	0.0	0.0
1991	C	1009.7	1009.7	0.0	0.0
Mean:		956.6	956.6	0.0	0.0
Median:		1007.6	1007.6	0.0	0.0
Min:		422.0	422.0	0.0	0.0
Max:		1215.4	1215.4	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at the San Joaquin River at Brandt Bridge under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	616	649	569	506	512	546	442	427	535	640	735	928
NEPA Yuba Accord Alternative	616	649	569	506	512	546	442	427	535	640	734	928
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-1.2	-0.2
Percent Difference ³	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
Water Year Types¹												
Wet												
NEPA No Action Alternative	523	546	456	351	207	238	250	272	344	535	689	740
NEPA Yuba Accord Alternative	523	546	456	351	207	238	250	272	344	535	689	740
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal												
NEPA No Action Alternative	733	717	610	255	178	254	244	248	287	531	665	756
NEPA Yuba Accord Alternative	733	717	610	255	178	254	244	248	287	531	665	756
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal												
NEPA No Action Alternative	419	702	599	330	218	283	305	309	617	692	703	869
NEPA Yuba Accord Alternative	419	702	599	330	218	283	305	309	617	692	703	869
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry												
NEPA No Action Alternative	628	689	601	631	718	720	569	523	689	675	664	1,039
NEPA Yuba Accord Alternative	628	689	601	631	718	720	569	523	689	675	659	1,038
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	-4.7	-0.8
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.7	-0.1
Critical												
NEPA No Action Alternative	693	682	632	694	846	884	639	601	685	750	874	1,108
NEPA Yuba Accord Alternative	693	682	632	694	846	884	639	601	685	750	874	1,108
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.2	-0.1
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

San Joaquin River at Brandt Bridge Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	587.5	587.5	0.0	0.0
1976	C	539.8	539.8	0.0	0.0
1977	C	528.1	528.1	0.0	0.0
1978	AN	791.0	791.0	0.0	0.0
1979	BN	419.1	419.1	0.0	0.0
1980	AN	675.6	675.6	0.0	0.0
1981	D	410.6	410.6	0.0	0.0
1982	W	805.1	805.1	0.0	0.0
1983	W	212.5	212.5	0.0	0.0
1984	W	210.7	210.7	0.0	0.0
1985	D	686.5	686.5	0.0	0.0
1986	W	800.5	800.5	0.0	0.0
1987	D	609.0	609.0	0.0	0.0
1988	C	799.3	799.3	0.0	0.0
1989	D	807.3	807.3	0.0	0.0
1990	C	806.3	806.3	0.0	0.0
1991	C	791.2	791.2	0.0	0.0
Mean:		616.5	616.5	0.0	0.0
Median:		675.6	675.6	0.0	0.0
Min:		210.7	210.7	0.0	0.0
Max:		807.3	807.3	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	688.7	688.7	0.0	0.0
1976	C	665.2	665.2	0.0	0.0
1977	C	555.5	555.5	0.0	0.0
1978	AN	781.1	781.1	0.0	0.0
1979	BN	701.9	701.9	0.0	0.0
1980	AN	652.8	652.8	0.0	0.0
1981	D	680.1	680.1	0.0	0.0
1982	W	807.1	807.1	0.0	0.0
1983	W	256.2	256.2	0.0	0.0
1984	W	169.0	169.0	0.0	0.0
1985	D	664.6	664.6	0.0	0.0
1986	W	808.4	808.4	0.0	0.0
1987	D	675.5	675.5	0.0	0.0
1988	C	762.7	762.7	0.0	0.0
1989	D	733.9	733.9	0.0	0.0
1990	C	724.7	724.7	0.0	0.0
1991	C	702.1	702.1	0.0	0.0
Mean:		648.8	648.8	0.0	0.0
Median:		688.7	688.7	0.0	0.0
Min:		169.0	169.0	0.0	0.0
Max:		808.4	808.4	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	594.0	594.0	0.0	0.0
1976	C	583.0	583.0	0.0	0.0
1977	C	587.2	587.2	0.0	0.0
1978	AN	660.4	660.4	0.0	0.0
1979	BN	598.5	598.5	0.0	0.0
1980	AN	559.5	559.5	0.0	0.0
1981	D	595.9	595.9	0.0	0.0
1982	W	729.0	729.0	0.0	0.0
1983	W	123.1	123.1	0.0	0.0
1984	W	115.8	115.8	0.0	0.0
1985	D	593.2	593.2	0.0	0.0
1986	W	719.6	719.6	0.0	0.0
1987	D	603.8	603.8	0.0	0.0
1988	C	705.5	705.4	0.0	0.0
1989	D	611.2	611.2	0.0	0.0
1990	C	663.7	663.7	0.0	0.0
1991	C	621.8	621.8	0.0	0.0
Mean:		568.5	568.5	0.0	0.0
Median:		598.5	598.5	0.0	0.0
Min:		115.8	115.8	0.0	0.0
Max:		729.0	729.0	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	619.0	619.0	0.0	0.0
1976	C	638.2	638.1	-0.1	0.0
1977	C	718.5	718.5	0.0	0.0
1978	AN	358.7	358.7	0.0	0.0
1979	BN	330.0	330.0	0.0	0.0
1980	AN	152.3	152.3	0.0	0.0
1981	D	564.6	564.6	-0.1	0.0
1982	W	265.6	265.6	0.0	0.0
1983	W	113.6	113.6	0.0	0.0
1984	W	138.2	138.2	0.0	0.0
1985	D	637.2	637.2	0.0	0.0
1986	W	620.4	620.4	0.0	0.0
1987	D	642.8	642.8	0.0	0.0
1988	C	712.3	712.3	0.0	0.0
1989	D	679.1	679.1	0.0	0.0
1990	C	708.7	708.7	0.1	0.0
1991	C	694.7	694.7	0.0	0.0
Mean:		505.5	505.5	0.0	0.0
Median:		620.4	620.4	0.0	0.0
Min:		113.6	113.6	-0.1	0.0
Max:		718.5	718.5	0.1	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	340.5	340.5	0.0	0.0
1976	C	747.9	747.9	0.0	0.0
1977	C	896.9	896.9	0.0	0.0
1978	AN	240.4	240.4	0.0	0.0
1979	BN	218.1	218.1	0.0	0.0
1980	AN	116.0	116.0	0.0	0.0
1981	D	621.8	621.8	0.0	0.0
1982	W	176.9	176.9	0.0	0.0
1983	W	105.2	105.2	0.0	0.0
1984	W	229.4	229.4	0.0	0.0
1985	D	711.8	711.8	0.0	0.0
1986	W	181.8	181.8	0.0	0.0
1987	D	726.2	726.2	0.0	0.0
1988	C	874.5	874.4	0.0	0.0
1989	D	810.1	810.1	0.0	0.0
1990	C	844.0	844.0	0.0	0.0
1991	C	864.8	864.7	0.0	0.0
Mean:		512.1	512.1	0.0	0.0
Median:		621.8	621.8	0.0	0.0
Min:		105.2	105.2	0.0	0.0
Max:		896.9	896.9	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	286.7	286.7	0.0	0.0
1976	C	843.7	843.7	0.0	0.0
1977	C	1008.8	1008.8	0.0	0.0
1978	AN	292.3	292.3	0.0	0.0
1979	BN	282.6	282.6	0.0	0.0
1980	AN	215.8	215.8	0.0	0.0
1981	D	513.3	513.3	0.0	0.0
1982	W	223.6	223.6	0.0	0.0
1983	W	137.8	137.8	0.0	0.0
1984	W	375.6	375.6	0.0	0.0
1985	D	745.1	745.1	0.0	0.0
1986	W	167.0	167.0	0.0	0.0
1987	D	788.6	788.6	0.0	0.0
1988	C	1003.4	1003.4	0.0	0.0
1989	D	831.8	831.8	0.0	0.0
1990	C	936.6	936.7	0.0	0.0
1991	C	626.6	626.6	0.0	0.0
Mean:		545.9	545.9	0.0	0.0
Median:		513.3	513.3	0.0	0.0
Min:		137.8	137.8	0.0	0.0
Max:		1008.8	1008.8	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	305.4	305.4	0.0	0.0
1976	C	621.2	621.2	0.0	0.0
1977	C	727.0	727.0	0.0	0.0
1978	AN	216.1	216.1	0.0	0.0
1979	BN	305.0	305.0	0.0	0.0
1980	AN	272.3	272.3	0.0	0.0
1981	D	442.3	442.3	0.0	0.0
1982	W	154.8	154.8	0.0	0.0
1983	W	169.8	169.8	0.0	0.0
1984	W	396.8	396.8	0.0	0.0
1985	D	569.6	569.6	0.0	0.0
1986	W	223.5	223.5	0.0	0.0
1987	D	617.5	617.5	0.0	0.0
1988	C	691.6	691.6	0.0	0.0
1989	D	647.2	647.2	0.0	0.0
1990	C	660.0	660.0	0.0	0.0
1991	C	497.7	497.7	0.0	0.0
Mean:		442.2	442.2	0.0	0.0
Median:		442.3	442.3	0.0	0.0
Min:		154.8	154.8	0.0	0.0
Max:		727.0	727.0	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	331.1	331.1	0.0	0.0
1976	C	565.7	565.7	0.0	0.0
1977	C	636.0	636.0	0.0	0.0
1978	AN	211.3	211.3	0.0	0.0
1979	BN	309.3	309.3	0.0	0.0
1980	AN	284.8	284.8	0.0	0.0
1981	D	459.2	459.2	0.0	0.0
1982	W	184.8	184.8	0.0	0.0
1983	W	163.9	163.9	0.0	0.0
1984	W	406.2	406.2	0.0	0.0
1985	D	440.3	440.3	0.0	0.0
1986	W	274.2	274.2	0.0	0.0
1987	D	566.2	566.2	0.0	0.0
1988	C	665.9	665.9	0.0	0.0
1989	D	625.7	626.2	0.5	0.1
1990	C	614.2	614.2	0.0	0.0
1991	C	521.1	521.1	0.0	0.0
Mean:		427.1	427.1	0.0	0.0
Median:		440.3	440.3	0.0	0.0
Min:		163.9	163.9	0.0	0.0
Max:		665.9	665.9	0.5	0.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	372.1	372.1	0.0	0.0
1976	C	690.5	690.5	0.0	0.0
1977	C	671.3	671.2	-0.1	0.0
1978	AN	231.8	231.8	0.0	0.0
1979	BN	616.8	616.8	0.0	0.0
1980	AN	342.0	342.0	0.0	0.0
1981	D	689.8	689.8	0.0	0.0
1982	W	269.5	269.5	0.0	0.0
1983	W	128.1	128.1	0.0	0.0
1984	W	608.9	608.9	0.0	0.0
1985	D	688.3	688.4	0.1	0.0
1986	W	341.7	341.7	0.0	0.0
1987	D	690.4	690.3	-0.1	0.0
1988	C	681.2	681.2	-0.1	0.0
1989	D	688.5	688.4	-0.1	0.0
1990	C	687.1	686.9	-0.3	0.0
1991	C	694.3	694.4	0.1	0.0
Mean:		534.9	534.8	0.0	0.0
Median:		671.3	671.2	0.0	0.0
Min:		128.1	128.1	-0.3	0.0
Max:		694.3	694.4	0.1	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	625.7	625.7	0.0	0.0
1976	C	676.8	677.4	0.6	0.1
1977	C	881.9	882.4	0.5	0.1
1978	AN	612.6	612.6	0.0	0.0
1979	BN	692.1	692.0	0.0	0.0
1980	AN	448.9	448.9	0.0	0.0
1981	D	684.4	684.8	0.4	0.1
1982	W	514.8	514.8	0.0	0.0
1983	W	187.5	187.5	0.0	0.0
1984	W	700.1	700.1	0.0	0.0
1985	D	667.2	667.5	0.3	0.0
1986	W	648.8	648.8	0.0	0.0
1987	D	664.1	664.3	0.2	0.0
1988	C	780.5	780.4	-0.1	0.0
1989	D	682.6	683.7	1.1	0.2
1990	C	716.1	716.0	-0.1	0.0
1991	C	693.8	693.9	0.1	0.0
Mean:		639.9	640.1	0.2	0.0
Median:		676.8	677.4	0.0	0.0
Min:		187.5	187.5	-0.1	0.0
Max:		881.9	882.4	1.1	0.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	670.6	670.6	0.0	0.0
1976	C	676.0	676.0	0.0	0.0
1977	C	1034.8	1034.5	-0.3	0.0
1978	AN	699.8	699.7	-0.1	0.0
1979	BN	702.8	702.8	0.0	0.0
1980	AN	630.5	630.4	0.0	0.0
1981	D	684.1	684.2	0.0	0.0
1982	W	695.0	694.9	-0.1	0.0
1983	W	686.3	686.3	0.0	0.0
1984	W	702.5	702.5	0.0	0.0
1985	D	664.1	664.1	0.0	0.0
1986	W	688.6	688.6	0.0	0.0
1987	D	725.5	725.5	0.0	0.0
1988	C	1019.2	1018.9	-0.3	0.0
1989	D	582.4	563.5	-18.9	-3.2
1990	C	896.1	895.7	-0.5	-0.1
1991	C	744.0	744.0	-0.1	0.0
Mean:		735.4	734.3	-1.2	-0.2
Median:		695.0	694.9	0.0	0.0
Min:		582.4	563.5	-18.9	-3.2
Max:		1034.8	1034.5	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

San Joaquin River at Brandt Bridge Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	846.1	846.1	0.0	0.0
1976	C	1129.0	1129.0	0.0	0.0
1977	C	1164.3	1164.3	0.0	0.0
1978	AN	806.1	806.1	0.0	0.0
1979	BN	869.3	869.3	0.0	0.0
1980	AN	705.0	705.0	0.0	0.0
1981	D	971.8	971.8	0.0	0.0
1982	W	610.2	610.2	0.0	0.0
1983	W	435.0	435.0	0.0	0.0
1984	W	941.0	941.0	0.0	0.0
1985	D	995.4	995.3	-0.1	0.0
1986	W	867.4	867.4	0.0	0.0
1987	D	1140.3	1138.7	-1.6	-0.1
1988	C	1182.7	1182.6	-0.1	0.0
1989	D	1048.4	1046.8	-1.6	-0.2
1990	C	1087.1	1086.8	-0.3	0.0
1991	C	975.1	974.8	-0.3	0.0
Mean:		927.9	927.7	-0.2	0.0
Median:		971.8	971.8	0.0	0.0
Min:		435.0	435.0	-1.6	-0.2
Max:		1182.7	1182.6	0.0	0.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at the Middle River near old River under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	467.2	482.5	461.4	476.8	430.8	428.2	385.8	404.8	475.1	492.9	396.8	472.3
NEPA Yuba Accord Alternative	463.7	480.7	460.1	475.7	429.0	427.5	386.1	405.8	477.9	498.5	405.3	471.4
Difference	-3.5	-1.8	-1.3	-1.1	-1.8	-0.7	0.3	1.0	2.8	5.6	8.5	-0.9
Percent Difference ³	-0.7	-0.4	-0.3	-0.2	-0.4	-0.2	0.1	0.3	0.6	1.1	2.1	-0.2
Water Year Types¹												
Wet												
NEPA No Action Alternative	320.6	387.1	325.2	347.7	207.4	239.1	258.9	283.6	345.0	455.7	331.0	464.3
NEPA Yuba Accord Alternative	320.9	386.0	324.8	347.5	207.4	239.1	258.9	283.6	345.0	456.4	333.1	465.3
Difference	0.2	-1.1	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	0.7	2.1	1.0
Percent Difference	0.1	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.2
Above Normal												
NEPA No Action Alternative	544.1	554.2	486.7	254.1	179.3	255.1	252.9	260.9	287.7	531.2	347.5	548.4
NEPA Yuba Accord Alternative	536.4	552.3	486.3	254.1	179.3	255.1	252.9	260.9	287.7	531.2	350.9	548.0
Difference	-7.6	-1.9	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	-0.4
Percent Difference	-1.4	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	-0.1
Below Normal												
NEPA No Action Alternative	477.6	448.5	552.3	332.0	219.0	283.8	336.0	341.7	591.0	490.3	337.2	389.6
NEPA Yuba Accord Alternative	476.9	448.3	552.1	332.0	219.0	283.8	336.1	341.7	591.1	491.8	339.9	390.2
Difference	-0.7	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.7	0.6
Percent Difference	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.2
Dry												
NEPA No Action Alternative	518.5	521.4	503.4	532.6	608.1	546.1	445.4	476.5	561.4	439.3	454.7	511.2
NEPA Yuba Accord Alternative	512.8	520.4	503.2	535.2	613.1	549.4	446.5	480.4	567.7	454.3	482.2	512.1
Difference	-5.7	-1.0	-0.2	2.6	5.1	3.3	1.1	3.8	6.2	15.0	27.5	0.9
Percent Difference	-1.1	-0.2	0.0	0.5	0.8	0.6	0.2	0.8	1.1	3.4	6.1	0.2
Critical												
NEPA No Action Alternative	539.8	524.8	535.9	679.3	655.3	621.1	528.3	538.8	587.9	558.3	448.0	435.3
NEPA Yuba Accord Alternative	535.4	521.4	532.0	673.6	645.2	616.0	528.4	539.2	592.4	564.2	450.8	430.6
Difference	-4.3	-3.4	-3.9	-5.7	-10.1	-5.1	0.1	0.4	4.4	5.9	2.8	-4.7
Percent Difference	-0.8	-0.6	-0.7	-0.8	-1.5	-0.8	0.0	0.1	0.8	1.1	0.6	-1.1

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Middle River near Old River Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	171.3	171.3	0.0	0.0
1976	C	399.5	398.9	-0.6	-0.2
1977	C	589.6	596.1	6.6	1.1
1978	AN	567.6	553.1	-14.6	-2.6
1979	BN	477.6	476.9	-0.7	-0.1
1980	AN	520.5	519.8	-0.7	-0.1
1981	D	463.4	444.6	-18.8	-4.1
1982	W	465.5	466.8	1.3	0.3
1983	W	211.6	211.6	0.0	0.0
1984	W	210.5	210.5	0.0	0.0
1985	D	533.5	532.9	-0.6	-0.1
1986	W	544.2	544.0	-0.1	0.0
1987	D	510.6	512.1	1.5	0.3
1988	C	581.7	579.3	-2.4	-0.4
1989	D	566.5	561.4	-5.1	-0.9
1990	C	586.6	572.0	-14.7	-2.5
1991	C	541.4	530.9	-10.6	-2.0
Mean:		467.2	463.7	-3.5	-0.7
Median:		520.5	519.8	-0.6	-0.1
Min:		171.3	171.3	-18.8	-4.1
Max:		589.6	596.1	6.6	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	391.4	391.4	0.0	0.0
1976	C	386.4	386.7	0.4	0.1
1977	C	542.1	541.6	-0.5	-0.1
1978	AN	609.8	605.7	-4.1	-0.7
1979	BN	448.5	448.3	-0.2	0.0
1980	AN	498.6	498.9	0.2	0.0
1981	D	437.4	431.9	-5.4	-1.2
1982	W	536.1	535.8	-0.4	-0.1
1983	W	303.2	303.0	-0.2	-0.1
1984	W	169.2	169.2	0.0	0.0
1985	D	546.5	548.5	1.9	0.3
1986	W	535.5	530.8	-4.7	-0.9
1987	D	495.7	497.3	1.6	0.3
1988	C	566.8	565.7	-1.1	-0.2
1989	D	606.1	604.1	-2.0	-0.3
1990	C	517.8	512.3	-5.5	-1.1
1991	C	610.6	600.6	-10.0	-1.6
Mean:		482.5	480.7	-1.8	-0.3
Median:		517.8	512.3	-0.4	-0.1
Min:		169.2	169.2	-10.0	-1.6
Max:		610.6	605.7	1.9	0.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	494.5	494.5	0.0	0.0
1976	C	532.5	526.7	-5.8	-1.1
1977	C	537.2	534.9	-2.3	-0.4
1978	AN	536.4	535.5	-0.9	-0.2
1979	BN	552.3	552.1	-0.2	0.0
1980	AN	437.0	437.1	0.1	0.0
1981	D	518.1	514.8	-3.4	-0.7
1982	W	377.4	377.7	0.2	0.1
1983	W	123.1	123.1	0.0	0.0
1984	W	115.9	115.9	0.0	0.0
1985	D	411.8	414.2	2.4	0.6
1986	W	514.8	512.9	-2.0	-0.4
1987	D	531.1	531.9	0.8	0.2
1988	C	528.4	526.3	-2.1	-0.4
1989	D	552.5	551.9	-0.7	-0.1
1990	C	488.8	486.9	-1.9	-0.4
1991	C	592.7	585.5	-7.2	-1.2
Mean:		461.4	460.1	-1.4	-0.2
Median:		518.1	514.8	-0.7	-0.1
Min:		115.9	115.9	-7.2	-1.2
Max:		592.7	585.5	2.4	0.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	638.8	640.7	1.9	0.3
1976	C	690.0	680.0	-10.0	-1.4
1977	C	754.5	753.1	-1.4	-0.2
1978	AN	357.3	357.3	0.0	0.0
1979	BN	332.0	332.0	0.0	0.0
1980	AN	150.8	150.8	0.0	0.0
1981	D	514.0	514.4	0.5	0.1
1982	W	265.0	265.0	0.0	0.0
1983	W	114.5	114.5	0.0	0.0
1984	W	139.1	139.1	0.0	0.0
1985	D	420.8	423.2	2.5	0.6
1986	W	581.2	578.1	-3.1	-0.5
1987	D	597.7	605.8	8.0	1.3
1988	C	729.1	721.9	-7.1	-1.0
1989	D	597.9	597.5	-0.4	-0.1
1990	C	560.5	554.2	-6.3	-1.1
1991	C	662.3	658.8	-3.4	-0.5
Mean:		476.8	475.7	-1.1	-0.1
Median:		560.5	554.2	0.0	0.0
Min:		114.5	114.5	-10.0	-1.4
Max:		754.5	753.1	8.0	1.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	340.9	341.0	0.0	0.0
1976	C	655.6	644.4	-11.2	-1.7
1977	C	762.7	759.8	-2.8	-0.4
1978	AN	241.7	241.7	0.0	0.0
1979	BN	219.0	219.0	0.0	0.0
1980	AN	116.9	116.9	0.0	0.0
1981	D	624.1	624.1	0.0	0.0
1982	W	177.7	177.7	0.0	0.0
1983	W	105.9	105.9	0.0	0.0
1984	W	230.5	230.5	0.0	0.0
1985	D	506.3	517.3	11.1	2.2
1986	W	182.0	182.0	0.0	0.0
1987	D	606.0	615.5	9.5	1.6
1988	C	490.6	489.0	-1.6	-0.3
1989	D	695.8	695.5	-0.3	0.0
1990	C	664.3	638.8	-25.5	-3.8
1991	C	703.3	693.8	-9.5	-1.4
Mean:		430.8	429.0	-1.8	-0.2
Median:		490.6	489.0	0.0	0.0
Min:		105.9	105.9	-25.5	-3.8
Max:		762.7	759.8	11.1	2.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	287.5	287.5	0.0	0.0
1976	C	593.3	589.3	-4.0	-0.7
1977	C	790.9	788.6	-2.3	-0.3
1978	AN	293.9	293.9	0.0	0.0
1979	BN	283.8	283.8	0.0	0.0
1980	AN	216.4	216.4	0.0	0.0
1981	D	514.4	514.4	0.0	0.0
1982	W	225.0	225.0	0.0	0.0
1983	W	138.3	138.3	0.0	0.0
1984	W	377.0	377.0	0.0	0.0
1985	D	557.8	566.1	8.3	1.5
1986	W	167.7	167.7	0.0	0.0
1987	D	566.9	571.5	4.7	0.8
1988	C	549.3	545.3	-4.0	-0.7
1989	D	545.2	545.4	0.3	0.1
1990	C	544.5	537.7	-6.9	-1.3
1991	C	627.4	619.3	-8.1	-1.3
Mean:		428.2	427.5	-0.7	-0.1
Median:		514.4	514.4	0.0	0.0
Min:		138.3	138.3	-8.1	-1.3
Max:		790.9	788.6	8.3	1.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	321.3	321.3	0.0	0.0
1976	C	476.8	476.1	-0.7	-0.1
1977	C	707.4	706.2	-1.3	-0.2
1978	AN	216.4	216.4	0.0	0.0
1979	BN	336.0	336.0	0.0	0.0
1980	AN	289.3	289.3	0.0	0.0
1981	D	467.0	467.2	0.3	0.1
1982	W	155.0	155.0	0.0	0.0
1983	W	170.2	170.2	0.0	0.0
1984	W	424.1	424.1	0.0	0.0
1985	D	520.7	522.2	1.5	0.3
1986	W	224.0	224.0	0.0	0.0
1987	D	447.3	449.6	2.3	0.5
1988	C	509.1	508.1	-1.0	-0.2
1989	D	346.6	346.9	0.3	0.1
1990	C	484.3	489.1	4.8	1.0
1991	C	463.8	462.7	-1.1	-0.2
Mean:		385.8	386.1	0.3	0.1
Median:		424.1	424.1	0.0	0.0
Min:		155.0	155.0	-1.3	-0.2
Max:		707.4	706.2	4.8	1.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	350.7	350.7	0.0	0.0
1976	C	558.2	557.9	-0.2	0.0
1977	C	639.7	639.3	-0.4	-0.1
1978	AN	211.7	211.7	0.0	0.0
1979	BN	341.7	341.7	0.0	0.0
1980	AN	310.1	310.1	0.0	0.0
1981	D	448.2	448.2	0.0	0.0
1982	W	185.1	185.1	0.0	0.0
1983	W	164.2	164.2	0.0	0.0
1984	W	428.6	428.6	0.0	0.0
1985	D	481.5	482.0	0.5	0.1
1986	W	289.5	289.5	0.0	0.0
1987	D	521.4	522.0	0.6	0.1
1988	C	543.2	543.5	0.4	0.1
1989	D	455.0	469.2	14.2	3.1
1990	C	487.0	489.5	2.6	0.5
1991	C	466.1	465.9	-0.2	0.0
Mean:		404.8	405.8	1.0	0.2
Median:		448.2	448.2	0.0	0.0
Min:		164.2	164.2	-0.4	-0.1
Max:		639.7	639.3	14.2	3.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	373.0	373.0	0.0	0.0
1976	C	610.0	609.7	-0.3	0.0
1977	C	632.0	636.2	4.2	0.7
1978	AN	232.5	232.5	0.0	0.0
1979	BN	591.0	591.0	0.0	0.0
1980	AN	342.9	342.9	0.0	0.0
1981	D	639.1	639.6	0.4	0.1
1982	W	270.2	270.2	0.0	0.0
1983	W	128.4	128.4	0.0	0.0
1984	W	611.0	611.0	0.0	0.0
1985	D	608.3	610.2	2.0	0.3
1986	W	342.6	342.6	0.0	0.0
1987	D	585.9	595.3	9.3	1.6
1988	C	590.6	592.8	2.2	0.4
1989	D	412.3	425.5	13.2	3.2
1990	C	582.0	589.7	7.7	1.3
1991	C	525.0	533.4	8.4	1.6
Mean:		475.1	477.9	2.8	0.5
Median:		582.0	589.7	0.0	0.0
Min:		128.4	128.4	-0.3	0.0
Max:		639.1	639.6	13.2	3.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	584.6	588.8	4.2	0.7
1976	C	536.8	547.5	10.6	2.0
1977	C	571.8	584.8	13.0	2.3
1978	AN	613.0	613.0	0.0	0.0
1979	BN	490.3	491.8	1.5	0.3
1980	AN	449.5	449.5	0.0	0.0
1981	D	530.0	556.9	27.0	5.1
1982	W	515.5	515.5	0.0	0.0
1983	W	188.0	188.0	0.0	0.0
1984	W	453.2	453.4	0.2	0.0
1985	D	476.4	494.9	18.4	3.9
1986	W	537.3	536.2	-1.1	-0.2
1987	D	374.4	382.6	8.2	2.2
1988	C	606.6	610.3	3.7	0.6
1989	D	376.5	383.0	6.4	1.7
1990	C	555.0	555.5	0.5	0.1
1991	C	521.1	522.7	1.6	0.3
Mean:		492.9	498.5	5.5	1.1
Median:		521.1	522.7	1.6	0.3
Min:		188.0	188.0	-1.1	-0.2
Max:		613.0	613.0	27.0	5.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	360.7	367.1	6.5	1.8
1976	C	391.9	427.8	35.9	9.2
1977	C	399.1	401.8	2.7	0.7
1978	AN	345.4	346.4	1.0	0.3
1979	BN	337.2	339.9	2.7	0.8
1980	AN	349.6	355.3	5.7	1.6
1981	D	505.7	541.8	36.2	7.2
1982	W	339.5	340.3	0.8	0.2
1983	W	245.5	245.1	-0.4	-0.2
1984	W	340.3	343.8	3.5	1.0
1985	D	470.8	505.0	34.2	7.3
1986	W	369.2	369.2	0.0	0.0
1987	D	402.5	406.4	3.9	1.0
1988	C	488.4	483.8	-4.6	-0.9
1989	D	439.7	475.6	35.9	8.2
1990	C	490.9	475.5	-15.4	-3.1
1991	C	469.5	464.9	-4.6	-1.0
Mean:		396.8	405.3	8.5	2.0
Median:		391.9	401.8	2.7	0.8
Min:		245.5	245.1	-15.4	-3.1
Max:		505.7	541.8	36.2	9.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Middle River near Old River Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	461.5	464.0	2.5	0.5
1976	C	421.6	441.2	19.6	4.6
1977	C	415.5	404.6	-11.0	-2.6
1978	AN	392.7	391.8	-0.9	-0.2
1979	BN	389.6	390.2	0.6	0.2
1980	AN	704.2	704.2	0.0	0.0
1981	D	385.6	393.1	7.4	1.9
1982	W	605.7	605.6	0.0	0.0
1983	W	432.0	432.0	0.0	0.0
1984	W	439.3	440.7	1.5	0.3
1985	D	493.8	507.4	13.6	2.8
1986	W	383.3	384.2	1.0	0.3
1987	D	464.6	465.2	0.6	0.1
1988	C	458.6	450.4	-8.2	-1.8
1989	D	700.8	682.5	-18.2	-2.6
1990	C	444.0	427.5	-16.5	-3.7
1991	C	436.7	429.5	-7.3	-1.7
Mean:		472.3	471.4	-0.9	-0.1
Median:		439.3	440.7	0.0	0.0
Min:		383.3	384.2	-18.2	-3.7
Max:		704.2	704.2	19.6	4.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at the Old River at Tracy Road Bridge under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	616.6	590.0	543.5	549.2	461.4	493.1	442.5	424.5	440.0	512.3	522.3	606.4
NEPA Yuba Accord Alternative	610.2	586.4	542.0	548.0	459.9	493.6	442.8	424.7	446.4	518.9	534.8	606.9
Difference	-6.4	-3.6	-1.5	-1.2	-1.5	0.4	0.3	0.2	6.4	6.6	12.5	0.5
Percent Difference ³	-1.0	-0.6	-0.3	-0.2	-0.3	0.1	0.1	0.0	1.5	1.3	2.4	0.1
Water Year Types¹												
Wet												
NEPA No Action Alternative	368.3	447.0	386.3	392.4	234.9	255.9	268.8	300.5	323.9	427.7	419.4	540.5
NEPA Yuba Accord Alternative	369.9	445.8	385.9	392.4	235.2	255.8	268.8	300.4	324.0	431.4	429.9	547.5
Difference	1.6	-1.2	-0.4	0.0	0.3	-0.2	0.1	0.0	0.1	3.7	10.5	7.0
Percent Difference	0.4	-0.3	-0.1	0.0	0.1	-0.1	0.0	0.0	0.0	0.9	2.5	1.3
Above Normal												
NEPA No Action Alternative	715.6	642.5	569.4	489.8	217.4	276.5	265.2	277.2	296.2	499.4	467.9	526.9
NEPA Yuba Accord Alternative	707.1	638.8	568.5	489.7	217.4	276.5	265.2	277.2	296.2	507.5	485.1	527.7
Difference	-8.6	-3.7	-0.8	-0.1	0.0	0.0	0.0	0.0	0.0	8.2	17.3	0.8
Percent Difference	-1.2	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.7	0.2
Below Normal												
NEPA No Action Alternative	687.5	608.9	664.3	391.6	247.6	292.4	340.2	364.4	421.3	442.5	439.3	567.6
NEPA Yuba Accord Alternative	686.1	608.3	664.1	391.4	247.4	292.4	340.2	364.4	421.3	449.3	439.4	569.1
Difference	-1.5	-0.5	-0.2	-0.2	-0.2	0.1	0.1	0.0	0.0	6.8	0.1	1.4
Percent Difference	-0.2	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	1.5	0.0	0.3
Dry												
NEPA No Action Alternative	684.6	657.9	593.4	555.1	594.9	591.8	507.1	500.4	497.0	541.1	627.4	744.0
NEPA Yuba Accord Alternative	667.2	652.4	592.5	557.4	602.9	596.5	508.2	501.0	507.5	552.0	658.4	743.7
Difference	-17.3	-5.6	-0.9	2.2	7.9	4.8	1.0	0.6	10.6	10.9	31.0	-0.2
Percent Difference	-2.5	-0.8	-0.2	0.4	1.3	0.8	0.2	0.1	2.1	2.0	4.9	0.0
Critical												
NEPA No Action Alternative	756.6	653.7	626.3	756.4	721.5	778.2	656.1	558.7	571.7	593.1	579.5	601.6
NEPA Yuba Accord Alternative	751.0	648.9	622.7	750.6	709.7	776.1	656.0	558.9	584.9	598.6	579.8	596.0
Difference	-5.7	-4.9	-3.6	-5.8	-11.8	-2.2	0.0	0.2	13.2	5.4	0.3	-5.6
Percent Difference	-0.8	-0.7	-0.6	-0.8	-1.6	-0.3	0.0	0.0	2.3	0.9	0.1	-0.9

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Old River at Tracy Road Bridge Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	140.4	140.4	0.0	0.0
1976	C	564.5	563.4	-1.2	-0.2
1977	C	921.6	932.3	10.7	1.2
1978	AN	726.4	710.7	-15.8	-2.2
1979	BN	687.5	686.1	-1.5	-0.2
1980	AN	704.9	703.5	-1.4	-0.2
1981	D	630.5	568.7	-61.8	-9.8
1982	W	566.3	568.9	2.6	0.5
1983	W	218.9	220.5	1.6	0.7
1984	W	218.2	218.3	0.0	0.0
1985	D	720.5	719.1	-1.3	-0.2
1986	W	697.5	701.5	3.9	0.6
1987	D	675.9	676.3	0.4	0.1
1988	C	783.2	779.1	-4.1	-0.5
1989	D	711.4	704.8	-6.6	-0.9
1990	C	800.5	781.2	-19.3	-2.4
1991	C	713.3	698.8	-14.5	-2.0
Mean:		616.6	610.2	-6.4	-0.9
Median:		697.5	698.8	-1.3	-0.2
Min:		140.4	140.4	-61.8	-9.8
Max:		921.6	932.3	10.7	1.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	380.1	380.1	0.0	0.0
1976	C	439.4	438.1	-1.4	-0.3
1977	C	797.5	793.3	-4.2	-0.5
1978	AN	657.2	650.1	-7.1	-1.1
1979	BN	608.9	608.3	-0.6	-0.1
1980	AN	627.8	627.5	-0.4	-0.1
1981	D	550.8	529.5	-21.3	-3.9
1982	W	679.0	678.4	-0.6	-0.1
1983	W	387.3	387.5	0.2	0.1
1984	W	175.4	175.3	0.0	0.0
1985	D	716.1	718.4	2.3	0.3
1986	W	613.2	607.7	-5.5	-0.9
1987	D	604.0	604.0	0.0	0.0
1988	C	677.4	674.1	-3.4	-0.5
1989	D	760.8	757.5	-3.3	-0.4
1990	C	624.3	617.9	-6.4	-1.0
1991	C	729.9	721.1	-8.8	-1.2
Mean:		590.0	586.4	-3.6	-0.6
Median:		624.3	617.9	-1.4	-0.3
Min:		175.4	175.3	-21.3	-3.9
Max:		797.5	793.3	2.3	0.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	574.9	574.9	0.0	0.0
1976	C	582.6	579.2	-3.4	-0.6
1977	C	640.3	638.5	-1.9	-0.3
1978	AN	620.9	618.9	-1.9	-0.3
1979	BN	664.3	664.1	-0.2	0.0
1980	AN	517.9	518.1	0.3	0.1
1981	D	631.9	624.2	-7.7	-1.2
1982	W	487.6	487.9	0.4	0.1
1983	W	133.9	134.6	0.8	0.6
1984	W	130.7	130.8	0.1	0.1
1985	D	482.7	486.6	3.9	0.8
1986	W	604.3	601.1	-3.2	-0.5
1987	D	616.5	617.6	1.2	0.2
1988	C	653.7	650.8	-2.9	-0.4
1989	D	642.5	641.4	-1.1	-0.2
1990	C	595.9	593.8	-2.0	-0.3
1991	C	659.0	651.4	-7.6	-1.2
Mean:		543.5	542.0	-1.5	-0.2
Median:		604.3	601.1	-1.1	-0.2
Min:		130.7	130.8	-7.7	-1.2
Max:		664.3	664.1	3.9	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	654.3	655.1	0.8	0.1
1976	C	779.3	770.0	-9.2	-1.2
1977	C	843.3	841.8	-1.5	-0.2
1978	AN	789.1	788.8	-0.3	0.0
1979	BN	391.6	391.4	-0.2	-0.1
1980	AN	190.6	190.7	0.1	0.1
1981	D	562.3	562.3	0.0	0.0
1982	W	319.1	322.5	3.4	1.1
1983	W	182.1	183.0	0.9	0.5
1984	W	152.7	152.6	0.0	0.0
1985	D	369.6	373.1	3.5	0.9
1986	W	653.9	648.8	-5.2	-0.8
1987	D	643.6	650.0	6.4	1.0
1988	C	843.2	834.3	-8.9	-1.1
1989	D	644.9	644.0	-0.9	-0.1
1990	C	618.1	611.5	-6.6	-1.1
1991	C	698.1	695.4	-2.7	-0.4
Mean:		549.2	548.0	-1.2	-0.1
Median:		643.6	644.0	-0.2	0.0
Min:		152.7	152.6	-9.2	-1.2
Max:		843.3	841.8	6.4	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	362.5	362.6	0.1	0.0
1976	C	763.4	751.1	-12.2	-1.6
1977	C	855.8	851.4	-4.4	-0.5
1978	AN	288.5	288.5	0.0	0.0
1979	BN	247.6	247.4	-0.2	-0.1
1980	AN	146.2	146.3	0.0	0.0
1981	D	473.6	481.9	8.3	1.8
1982	W	190.7	192.0	1.3	0.7
1983	W	126.5	126.5	0.0	0.0
1984	W	242.0	241.8	-0.2	-0.1
1985	D	471.0	485.3	14.3	3.0
1986	W	252.8	253.0	0.2	0.1
1987	D	663.8	673.2	9.4	1.4
1988	C	461.7	459.9	-1.8	-0.4
1989	D	771.2	771.0	-0.2	0.0
1990	C	726.7	691.8	-34.9	-4.8
1991	C	799.8	794.1	-5.7	-0.7
Mean:		461.4	459.9	-1.5	-0.1
Median:		461.7	459.9	0.0	0.0
Min:		126.5	126.5	-34.9	-4.8
Max:		855.8	851.4	14.3	3.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	298.0	298.0	0.0	0.0
1976	C	721.8	718.3	-3.5	-0.5
1977	C	957.6	956.1	-1.5	-0.2
1978	AN	327.5	327.5	0.0	0.0
1979	BN	292.4	292.4	0.1	0.0
1980	AN	225.5	225.4	0.0	0.0
1981	D	460.7	464.0	3.3	0.7
1982	W	246.4	246.6	0.2	0.1
1983	W	175.2	174.4	-0.9	-0.5
1984	W	382.2	382.0	-0.1	0.0
1985	D	575.6	585.9	10.3	1.8
1986	W	177.7	177.7	0.0	0.0
1987	D	703.4	708.4	4.9	0.7
1988	C	803.3	800.7	-2.7	-0.3
1989	D	627.3	627.7	0.4	0.1
1990	C	653.7	658.5	4.7	0.7
1991	C	754.7	746.7	-8.0	-1.1
Mean:		493.1	493.6	0.4	0.1
Median:		460.7	464.0	0.0	0.0
Min:		175.2	174.4	-8.0	-1.1
Max:		957.6	956.1	10.3	1.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	334.0	334.1	0.1	0.0
1976	C	609.8	609.2	-0.6	-0.1
1977	C	810.2	809.3	-1.0	-0.1
1978	AN	223.1	223.1	0.0	0.0
1979	BN	340.2	340.2	0.1	0.0
1980	AN	307.2	307.3	0.0	0.0
1981	D	468.5	468.9	0.4	0.1
1982	W	158.4	158.8	0.3	0.2
1983	W	180.5	180.5	0.0	0.0
1984	W	439.4	439.4	0.0	0.0
1985	D	592.4	593.8	1.4	0.2
1986	W	231.5	231.4	0.0	0.0
1987	D	540.9	542.6	1.7	0.3
1988	C	644.0	642.6	-1.4	-0.2
1989	D	426.7	427.4	0.7	0.2
1990	C	649.7	653.5	3.8	0.6
1991	C	566.4	565.5	-0.9	-0.2
Mean:		442.5	442.8	0.3	0.1
Median:		439.4	439.4	0.0	0.0
Min:		158.4	158.8	-1.4	-0.2
Max:		810.2	809.3	3.8	0.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	372.0	372.0	0.0	0.0
1976	C	544.0	543.2	-0.7	-0.1
1977	C	669.4	668.7	-0.7	-0.1
1978	AN	217.7	217.7	0.0	0.0
1979	BN	364.4	364.4	0.0	0.0
1980	AN	336.8	336.8	0.0	0.0
1981	D	466.9	466.9	0.0	0.0
1982	W	189.9	189.7	-0.1	-0.1
1983	W	167.2	167.2	0.0	0.0
1984	W	457.6	457.6	0.0	0.0
1985	D	513.3	514.2	0.8	0.2
1986	W	315.7	315.7	0.0	0.0
1987	D	533.2	533.8	0.6	0.1
1988	C	548.3	548.3	0.0	0.0
1989	D	488.3	489.3	1.0	0.2
1990	C	522.1	524.9	2.8	0.5
1991	C	509.7	509.4	-0.4	-0.1
Mean:		424.5	424.7	0.2	0.0
Median:		466.9	466.9	0.0	0.0
Min:		167.2	167.2	-0.7	-0.1
Max:		669.4	668.7	2.8	0.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	381.3	381.3	0.0	0.0
1976	C	618.6	617.8	-0.8	-0.1
1977	C	660.5	668.0	7.6	1.2
1978	AN	242.4	242.4	0.0	0.0
1979	BN	421.3	421.3	0.0	0.0
1980	AN	350.0	350.0	0.0	0.0
1981	D	462.9	466.3	3.3	0.7
1982	W	276.4	277.2	0.8	0.3
1983	W	130.9	130.9	0.0	0.0
1984	W	480.1	479.9	-0.2	0.0
1985	D	492.2	496.2	4.0	0.8
1986	W	350.9	350.9	0.0	0.0
1987	D	550.1	579.7	29.6	5.4
1988	C	550.6	563.9	13.3	2.4
1989	D	482.5	487.9	5.4	1.1
1990	C	533.8	561.7	27.8	5.2
1991	C	495.0	512.9	17.9	3.6
Mean:		440.0	446.4	6.4	1.2
Median:		480.1	479.9	0.8	0.3
Min:		130.9	130.9	-0.8	-0.1
Max:		660.5	668.0	29.6	5.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	608.1	613.1	5.0	0.8
1976	C	678.0	691.3	13.3	2.0
1977	C	549.6	563.5	13.9	2.5
1978	AN	525.1	542.1	17.0	3.2
1979	BN	442.5	449.3	6.8	1.5
1980	AN	473.6	473.0	-0.6	-0.1
1981	D	634.3	643.1	8.8	1.4
1982	W	493.7	497.3	3.6	0.7
1983	W	192.9	192.9	0.0	0.0
1984	W	433.8	435.3	1.5	0.3
1985	D	550.2	577.9	27.8	5.1
1986	W	410.0	418.3	8.3	2.0
1987	D	509.4	512.8	3.4	0.7
1988	C	558.2	560.4	2.3	0.4
1989	D	470.4	474.1	3.7	0.8
1990	C	607.9	604.9	-2.9	-0.5
1991	C	572.1	572.6	0.5	0.1
Mean:		512.3	518.9	6.6	1.2
Median:		525.1	542.1	3.7	0.8
Min:		192.9	192.9	-2.9	-0.5
Max:		678.0	691.3	27.8	5.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	482.1	519.4	37.3	7.7
1976	C	606.0	628.3	22.2	3.7
1977	C	491.1	496.9	5.9	1.2
1978	AN	429.2	434.2	5.0	1.2
1979	BN	439.3	439.4	0.1	0.0
1980	AN	506.5	536.1	29.6	5.8
1981	D	678.5	720.8	42.3	6.2
1982	W	419.3	423.7	4.3	1.0
1983	W	339.2	338.6	-0.5	-0.1
1984	W	446.8	455.2	8.4	1.9
1985	D	613.2	655.6	42.4	6.9
1986	W	409.8	412.6	2.8	0.7
1987	D	602.1	603.6	1.5	0.2
1988	C	596.5	591.2	-5.2	-0.9
1989	D	615.7	653.5	37.9	6.2
1990	C	624.6	608.7	-16.0	-2.6
1991	C	579.4	573.9	-5.5	-0.9
Mean:		522.3	534.8	12.5	2.2
Median:		506.5	536.1	5.0	1.2
Min:		339.2	338.6	-16.0	-2.6
Max:		678.5	720.8	42.4	7.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Tracy Road Bridge Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	649.4	681.2	31.9	4.9
1976	C	649.2	671.5	22.4	3.5
1977	C	585.7	568.1	-17.6	-3.0
1978	AN	516.6	517.9	1.3	0.3
1979	BN	567.6	569.0	1.4	0.2
1980	AN	537.2	537.5	0.3	0.1
1981	D	571.0	581.8	10.8	1.9
1982	W	468.8	470.2	1.4	0.3
1983	W	441.0	441.0	0.0	0.0
1984	W	624.6	625.4	0.8	0.1
1985	D	712.5	730.0	17.5	2.5
1986	W	518.9	519.8	0.8	0.2
1987	D	686.5	683.2	-3.2	-0.5
1988	C	584.0	576.9	-7.1	-1.2
1989	D	1005.9	979.9	-25.9	-2.6
1990	C	633.2	612.4	-20.8	-3.3
1991	C	556.1	551.0	-5.1	-0.9
Mean:		606.4	606.9	0.5	0.1
Median:		584.0	576.9	0.8	0.1
Min:		441.0	441.0	-25.9	-3.3
Max:		1005.9	979.9	31.9	4.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at the Old River at Hwy 4 (CCWD Los Vaqueros) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	679.0	616.8	578.4	567.0	490.0	374.1	329.3	345.1	330.7	379.7	466.0	617.5
NEPA Yuba Accord Alternative	669.7	612.1	575.4	566.1	489.2	373.4	329.5	346.4	335.6	392.3	481.1	611.6
Difference	-9.3	-4.7	-3.0	-0.9	-0.8	-0.7	0.1	1.4	4.9	12.6	15.1	-5.9
Percent Difference ³	-1.4	-0.8	-0.5	-0.2	-0.2	-0.2	0.0	0.4	1.5	3.3	3.2	-1.0
Water Year Types¹												
Wet												
NEPA No Action Alternative	407.3	430.4	382.5	392.6	318.6	263.9	243.8	258.4	236.9	236.9	317.3	506.6
NEPA Yuba Accord Alternative	407.9	428.8	381.2	394.2	322.3	264.0	243.8	258.4	236.9	237.2	319.9	506.3
Difference	0.5	-1.7	-1.2	1.6	3.7	0.0	0.1	0.0	-0.1	0.3	2.6	-0.3
Percent Difference	0.1	-0.4	-0.3	0.4	1.2	0.0	0.0	0.0	0.0	0.1	0.8	-0.1
Above Normal												
NEPA No Action Alternative	775.9	634.1	582.8	470.8	356.0	296.6	302.6	290.4	262.2	250.8	340.9	562.4
NEPA Yuba Accord Alternative	762.0	630.0	582.4	471.4	356.0	296.6	302.6	290.4	262.3	251.7	344.5	538.9
Difference	-14.0	-4.0	-0.4	0.6	0.0	0.0	0.0	0.0	0.1	0.9	3.6	-23.5
Percent Difference	-1.8	-0.6	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	1.1	-4.2
Below Normal												
NEPA No Action Alternative	784.6	697.9	747.6	538.8	327.3	278.7	282.4	285.1	250.1	259.7	372.4	586.1
NEPA Yuba Accord Alternative	782.4	697.3	747.2	540.5	327.9	279.0	282.7	285.1	250.1	260.3	376.6	587.4
Difference	-2.2	-0.6	-0.4	1.7	0.6	0.3	0.3	0.0	0.0	0.5	4.2	1.3
Percent Difference	-0.3	-0.1	-0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.2	1.1	0.2
Dry												
NEPA No Action Alternative	760.5	701.2	586.5	513.9	567.0	397.8	316.6	368.9	310.0	466.7	686.8	806.8
NEPA Yuba Accord Alternative	736.6	695.2	586.4	522.7	580.5	402.1	317.4	374.1	318.0	500.3	734.0	801.3
Difference	-23.9	-5.9	-0.1	8.9	13.5	4.4	0.9	5.2	8.0	33.6	47.2	-5.5
Percent Difference	-3.1	-0.8	0.0	1.7	2.4	1.1	0.3	1.4	2.6	7.2	6.9	-0.7
Critical												
NEPA No Action Alternative	825.7	712.5	732.3	827.9	685.9	515.6	445.2	446.5	484.6	528.5	506.8	605.4
NEPA Yuba Accord Alternative	818.7	704.6	723.7	815.7	668.5	509.4	444.8	446.9	494.8	543.5	515.3	599.1
Difference	-7.1	-7.9	-8.6	-12.2	-17.5	-6.1	-0.4	0.4	10.2	15.0	8.6	-6.3
Percent Difference	-0.9	-1.1	-1.2	-1.5	-2.5	-1.2	-0.1	0.1	2.1	2.8	1.7	-1.0

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	122.2	122.2	0.0	0.0
1976	C	457.3	455.6	-1.7	-0.4
1977	C	1140.6	1148.2	7.6	0.7
1978	AN	743.7	717.5	-26.2	-3.5
1979	BN	784.6	782.4	-2.2	-0.3
1980	AN	808.2	806.5	-1.8	-0.2
1981	D	692.5	607.0	-85.5	-12.3
1982	W	615.6	617.8	2.1	0.3
1983	W	300.9	300.2	-0.6	-0.2
1984	W	267.9	266.7	-1.2	-0.4
1985	D	806.0	804.0	-2.0	-0.2
1986	W	730.1	732.4	2.3	0.3
1987	D	735.2	735.4	0.2	0.0
1988	C	874.5	868.7	-5.8	-0.7
1989	D	808.2	800.0	-8.2	-1.0
1990	C	845.1	826.8	-18.2	-2.2
1991	C	811.1	794.0	-17.1	-2.1
Mean:		679.0	669.7	-9.3	-1.3
Median:		743.7	735.4	-1.8	-0.3
Min:		122.2	122.2	-85.5	-12.3
Max:		1140.6	1148.2	7.6	0.7
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	420.3	420.3	0.0	0.0
1976	C	468.4	464.0	-4.4	-0.9
1977	C	914.0	904.9	-9.1	-1.0
1978	AN	636.4	628.8	-7.7	-1.2
1979	BN	697.9	697.3	-0.6	-0.1
1980	AN	631.7	631.3	-0.4	-0.1
1981	D	626.3	601.4	-24.9	-4.0
1982	W	661.3	660.1	-1.1	-0.2
1983	W	235.5	235.3	-0.1	0.0
1984	W	240.0	239.8	-0.2	-0.1
1985	D	705.4	710.8	5.5	0.8
1986	W	595.2	588.2	-6.9	-1.2
1987	D	648.0	647.4	-0.6	-0.1
1988	C	712.6	708.2	-4.4	-0.6
1989	D	825.0	821.4	-3.6	-0.4
1990	C	655.8	649.1	-6.7	-1.0
1991	C	811.7	797.0	-14.7	-1.8
Mean:		616.8	612.1	-4.7	-0.7
Median:		648.0	647.4	-3.6	-0.4
Min:		235.5	235.3	-24.9	-4.0
Max:		914.0	904.9	5.5	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	652.7	652.5	-0.2	0.0
1976	C	787.4	768.9	-18.5	-2.3
1977	C	803.3	798.6	-4.7	-0.6
1978	AN	646.4	644.7	-1.7	-0.3
1979	BN	747.6	747.2	-0.4	-0.1
1980	AN	519.3	520.2	0.9	0.2
1981	D	661.2	653.0	-8.1	-1.2
1982	W	274.3	274.5	0.2	0.1
1983	W	258.2	258.1	-0.1	0.0
1984	W	137.0	137.0	0.0	0.0
1985	D	305.8	309.1	3.3	1.1
1986	W	590.1	583.9	-6.2	-1.1
1987	D	694.5	700.2	5.7	0.8
1988	C	753.0	746.1	-6.8	-0.9
1989	D	684.4	683.1	-1.3	-0.2
1990	C	619.7	617.1	-2.5	-0.4
1991	C	698.3	687.7	-10.6	-1.5
Mean:		578.4	575.4	-3.0	-0.4
Median:		652.7	652.5	-1.3	-0.2
Min:		137.0	137.0	-18.5	-2.3
Max:		803.3	798.6	5.7	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	722.1	734.0	11.9	1.6
1976	C	856.5	838.9	-17.6	-2.1
1977	C	1051.8	1047.2	-4.6	-0.4
1978	AN	544.3	544.0	-0.3	-0.1
1979	BN	538.8	540.5	1.7	0.3
1980	AN	397.2	398.8	1.5	0.4
1981	D	432.9	438.2	5.4	1.2
1982	W	348.7	348.5	-0.2	-0.1
1983	W	166.6	166.8	0.2	0.1
1984	W	192.2	192.3	0.0	0.0
1985	D	311.6	321.4	9.8	3.1
1986	W	533.6	529.7	-3.9	-0.7
1987	D	594.3	615.6	21.3	3.6
1988	C	787.4	776.7	-10.8	-1.4
1989	D	716.6	715.6	-1.0	-0.1
1990	C	701.1	679.1	-22.1	-3.2
1991	C	742.6	736.7	-5.9	-0.8
Mean:		567.0	566.1	-0.9	0.1
Median:		544.3	544.0	-0.2	-0.1
Min:		166.6	166.8	-22.1	-3.2
Max:		1051.8	1047.2	21.3	3.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	508.7	525.6	16.9	3.3
1976	C	737.3	717.8	-19.6	-2.7
1977	C	865.9	857.2	-8.7	-1.0
1978	AN	351.3	351.3	0.0	0.0
1979	BN	327.3	327.9	0.6	0.2
1980	AN	360.7	360.8	0.1	0.0
1981	D	336.1	348.2	12.2	3.6
1982	W	278.0	278.1	0.1	0.0
1983	W	125.6	125.7	0.1	0.1
1984	W	244.4	244.4	0.0	0.0
1985	D	510.3	537.1	26.8	5.3
1986	W	436.0	437.7	1.7	0.4
1987	D	605.2	620.5	15.3	2.5
1988	C	376.3	373.8	-2.5	-0.7
1989	D	816.3	816.0	-0.3	0.0
1990	C	689.0	647.9	-41.1	-6.0
1991	C	761.2	745.6	-15.6	-2.0
Mean:		490.0	489.2	-0.8	0.2
Median:		436.0	437.7	0.1	0.0
Min:		125.6	125.7	-41.1	-6.0
Max:		865.9	857.2	26.8	5.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	275.9	276.5	0.6	0.2
1976	C	452.6	448.6	-4.0	-0.9
1977	C	738.1	732.7	-5.4	-0.7
1978	AN	328.3	328.3	0.0	0.0
1979	BN	278.7	279.0	0.3	0.1
1980	AN	265.0	264.9	0.0	0.0
1981	D	298.6	301.6	3.0	1.0
1982	W	291.8	291.5	-0.3	-0.1
1983	W	163.2	163.1	-0.1	-0.1
1984	W	242.3	242.3	0.0	0.0
1985	D	485.5	495.6	10.1	2.1
1986	W	346.4	346.4	0.1	0.0
1987	D	401.6	405.6	4.0	1.0
1988	C	381.9	377.7	-4.2	-1.1
1989	D	405.3	405.7	0.4	0.1
1990	C	460.3	453.3	-7.0	-1.5
1991	C	544.9	534.8	-10.0	-1.8
Mean:		374.1	373.4	-0.7	-0.1
Median:		346.4	346.4	0.0	0.0
Min:		163.2	163.1	-10.0	-1.8
Max:		738.1	732.7	10.1	2.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	270.3	270.4	0.0	0.0
1976	C	376.5	375.4	-1.1	-0.3
1977	C	651.0	648.8	-2.2	-0.3
1978	AN	341.4	341.4	0.0	0.0
1979	BN	282.4	282.7	0.3	0.1
1980	AN	263.8	263.9	0.1	0.0
1981	D	300.8	301.1	0.3	0.1
1982	W	174.0	174.0	0.0	0.0
1983	W	181.2	181.3	0.1	0.1
1984	W	272.1	272.1	0.0	0.0
1985	D	387.2	388.9	1.8	0.5
1986	W	321.1	321.3	0.2	0.1
1987	D	318.1	319.3	1.2	0.4
1988	C	399.2	397.8	-1.5	-0.4
1989	D	260.1	260.3	0.3	0.1
1990	C	420.8	425.4	4.6	1.1
1991	C	378.4	376.8	-1.6	-0.4
Mean:		329.3	329.5	0.1	0.1
Median:		318.1	319.3	0.1	0.0
Min:		174.0	174.0	-2.2	-0.4
Max:		651.0	648.8	4.6	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	280.1	280.0	0.0	0.0
1976	C	429.7	428.0	-1.7	-0.4
1977	C	593.6	593.4	-0.2	0.0
1978	AN	286.3	286.3	0.0	0.0
1979	BN	285.1	285.1	0.0	0.0
1980	AN	294.5	294.5	0.0	0.0
1981	D	341.5	341.6	0.1	0.0
1982	W	215.1	215.1	0.0	0.0
1983	W	171.3	171.3	0.0	0.0
1984	W	339.3	339.2	-0.1	0.0
1985	D	412.5	425.3	12.8	3.1
1986	W	286.3	286.3	0.0	0.0
1987	D	397.6	398.0	0.4	0.1
1988	C	440.2	440.2	0.0	0.0
1989	D	324.0	331.6	7.6	2.3
1990	C	408.9	413.0	4.1	1.0
1991	C	360.1	359.9	-0.2	-0.1
Mean:		345.1	346.4	1.3	0.4
Median:		339.3	339.2	0.0	0.0
Min:		171.3	171.3	-1.7	-0.4
Max:		593.6	593.4	12.8	3.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	243.8	243.8	0.0	0.0
1976	C	620.2	618.8	-1.4	-0.2
1977	C	588.8	604.3	15.6	2.6
1978	AN	247.7	247.7	0.0	0.0
1979	BN	250.1	250.1	0.0	0.0
1980	AN	276.6	276.8	0.2	0.1
1981	D	301.5	308.3	6.9	2.3
1982	W	232.6	232.7	0.1	0.0
1983	W	135.9	135.9	0.0	0.0
1984	W	294.0	293.4	-0.6	-0.2
1985	D	322.4	330.3	7.8	2.4
1986	W	278.4	278.4	0.1	0.0
1987	D	342.6	356.8	14.2	4.1
1988	C	438.9	445.7	6.8	1.5
1989	D	273.5	276.7	3.2	1.2
1990	C	415.7	434.5	18.8	4.5
1991	C	359.5	370.4	11.0	3.1
Mean:		330.7	335.6	4.9	1.3
Median:		294.0	293.4	0.2	0.1
Min:		135.9	135.9	-1.4	-0.2
Max:		620.2	618.8	18.8	4.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	230.6	230.7	0.1	0.0
1976	C	713.8	761.1	47.4	6.6
1977	C	457.1	473.6	16.5	3.6
1978	AN	240.3	240.7	0.5	0.2
1979	BN	259.7	260.3	0.5	0.2
1980	AN	261.3	262.7	1.4	0.5
1981	D	601.6	657.7	56.1	9.3
1982	W	231.4	231.4	-0.1	0.0
1983	W	194.5	194.4	-0.1	-0.1
1984	W	270.6	271.1	0.5	0.2
1985	D	480.1	520.3	40.2	8.4
1986	W	257.3	258.6	1.3	0.5
1987	D	395.5	406.5	11.0	2.8
1988	C	428.9	434.1	5.2	1.2
1989	D	389.5	416.8	27.3	7.0
1990	C	557.5	552.9	-4.6	-0.8
1991	C	485.4	496.1	10.6	2.2
Mean:		379.7	392.3	12.6	2.5
Median:		389.5	406.5	1.4	0.5
Min:		194.5	194.4	-4.6	-0.8
Max:		713.8	761.1	56.1	9.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	370.4	375.1	4.7	1.3
1976	C	489.4	564.6	75.1	15.3
1977	C	451.3	450.3	-1.1	-0.2
1978	AN	324.4	326.5	2.1	0.6
1979	BN	372.4	376.6	4.2	1.1
1980	AN	357.5	362.6	5.1	1.4
1981	D	692.8	751.4	58.6	8.5
1982	W	297.9	300.1	2.2	0.7
1983	W	207.9	206.5	-1.4	-0.7
1984	W	385.9	389.4	3.5	0.9
1985	D	691.1	760.3	69.2	10.0
1986	W	324.3	328.5	4.2	1.3
1987	D	588.8	592.6	3.9	0.7
1988	C	486.6	482.0	-4.5	-0.9
1989	D	774.5	831.8	57.3	7.4
1990	C	542.2	523.2	-19.1	-3.5
1991	C	564.2	556.7	-7.5	-1.3
Mean:		466.0	481.1	15.1	2.5
Median:		451.3	450.3	3.9	0.9
Min:		207.9	206.5	-19.1	-3.5
Max:		774.5	831.8	75.1	15.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					2

Old River at Hwy 4 (CCWD Los Vaqueros) Salinity

September					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	572.9	575.4	2.6	0.5
1976	C	745.3	777.6	32.2	4.3
1977	C	577.1	542.9	-34.2	-5.9
1978	AN	576.2	575.2	-1.0	-0.2
1979	BN	586.1	587.4	1.3	0.2
1980	AN	548.6	502.5	-46.0	-8.4
1981	D	507.1	517.0	9.9	2.0
1982	W	434.0	435.6	1.7	0.4
1983	W	245.1	239.3	-5.8	-2.4
1984	W	711.4	711.1	-0.3	0.0
1985	D	788.6	807.7	19.1	2.4
1986	W	569.6	570.2	0.6	0.1
1987	D	754.9	754.8	-0.1	0.0
1988	C	569.7	563.3	-6.4	-1.1
1989	D	1176.5	1125.7	-50.9	-4.3
1990	C	581.1	564.1	-17.1	-2.9
1991	C	553.6	547.5	-6.1	-1.1
Mean:		617.5	611.6	-5.9	-1.0
Median:		576.2	570.2	-0.3	0.0
Min:		245.1	239.3	-50.9	-8.4
Max:		1176.5	1125.7	32.2	4.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at CCWD Pumping Plant #1 (Rock Slough) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	782.2	702.5	660.3	711.2	592.0	439.6	395.7	331.8	334.4	417.2	532.4	693.9
NEPA Yuba Accord Alternative	770.2	696.3	656.5	710.2	591.0	438.6	395.8	332.7	338.5	430.2	550.8	687.3
Difference	-12.1	-6.2	-3.8	-0.9	-1.0	-1.0	0.2	1.0	4.1	12.9	18.4	-6.6
Percent Difference ³	-1.5	-0.9	-0.6	-0.1	-0.2	-0.2	0.0	0.3	1.2	3.1	3.5	-0.9
Water Year Types¹												
Wet												
NEPA No Action Alternative	441.5	496.9	483.0	591.0	481.0	441.6	440.7	283.8	239.7	243.9	346.3	566.8
NEPA Yuba Accord Alternative	443.2	495.1	481.6	592.4	486.3	441.7	440.7	283.8	239.5	244.9	349.8	566.4
Difference	1.7	-1.8	-1.4	1.4	5.3	0.1	0.0	0.0	-0.2	1.0	3.5	-0.4
Percent Difference	0.4	-0.4	-0.3	0.2	1.1	0.0	0.0	0.0	-0.1	0.4	1.0	-0.1
Above Normal												
NEPA No Action Alternative	911.1	685.8	637.9	706.1	511.3	339.1	319.5	291.9	252.8	257.3	377.6	619.8
NEPA Yuba Accord Alternative	893.6	681.1	637.4	707.0	511.4	339.1	319.6	291.9	252.8	258.6	382.4	597.0
Difference	-17.5	-4.6	-0.5	0.8	0.1	0.0	0.0	0.0	0.0	1.3	4.9	-22.8
Percent Difference	-1.9	-0.7	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.5	1.3	-3.7
Below Normal												
NEPA No Action Alternative	933.5	797.8	848.9	680.9	352.3	284.3	331.4	293.8	241.1	268.8	415.8	651.5
NEPA Yuba Accord Alternative	930.5	796.9	848.4	682.7	353.1	284.7	332.1	293.8	241.1	270.0	421.3	653.7
Difference	-3.0	-0.8	-0.5	1.8	0.8	0.4	0.7	0.0	0.0	1.2	5.5	2.2
Percent Difference	-0.3	-0.1	-0.1	0.3	0.2	0.1	0.2	0.0	0.0	0.5	1.3	0.3
Dry												
NEPA No Action Alternative	885.6	809.7	650.9	560.7	630.2	418.9	341.7	330.6	297.0	525.3	794.8	929.5
NEPA Yuba Accord Alternative	852.7	801.0	649.7	571.5	646.2	423.5	342.5	333.7	302.3	563.0	852.2	922.9
Difference	-32.8	-8.7	-1.2	10.8	16.0	4.7	0.8	3.1	5.4	37.7	57.4	-6.6
Percent Difference	-3.7	-1.1	-0.2	1.9	2.5	1.1	0.2	0.9	1.8	7.2	7.2	-0.7
Critical												
NEPA No Action Alternative	958.6	810.1	816.3	959.7	752.8	525.3	437.0	404.2	510.3	597.8	593.9	670.5
NEPA Yuba Accord Alternative	949.7	799.8	806.2	945.8	730.8	518.0	436.8	405.0	520.3	609.8	603.8	662.6
Difference	-8.9	-10.4	-10.1	-13.9	-21.9	-7.4	-0.2	0.8	10.0	12.0	9.9	-7.9
Percent Difference	-0.9	-1.3	-1.2	-1.4	-2.9	-1.4	-0.1	0.2	2.0	2.0	1.7	-1.2

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

CCWD Pumping Plant #1 (Rock Slough) Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	107.7	107.7	0.0	0.0
1976	C	498.4	496.1	-2.2	-0.4
1977	C	1350.6	1359.2	8.6	0.6
1978	AN	901.5	869.3	-32.3	-3.6
1979	BN	933.5	930.5	-3.0	-0.3
1980	AN	920.7	918.0	-2.6	-0.3
1981	D	827.1	708.8	-118.3	-14.3
1982	W	660.2	663.8	3.7	0.6
1983	W	330.4	329.6	-0.7	-0.2
1984	W	253.6	252.2	-1.4	-0.6
1985	D	927.6	925.0	-2.6	-0.3
1986	W	855.6	862.6	7.0	0.8
1987	D	855.3	855.1	-0.2	0.0
1988	C	1020.5	1013.4	-7.1	-0.7
1989	D	932.2	922.0	-10.1	-1.1
1990	C	963.7	943.3	-20.4	-2.1
1991	C	959.6	936.5	-23.1	-2.4
Mean:		782.2	770.2	-12.0	-1.4
Median:		901.5	869.3	-2.6	-0.3
Min:		107.7	107.7	-118.3	-14.3
Max:		1350.6	1359.2	8.6	0.8
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	430.9	431.0	0.0	0.0
1976	C	494.6	489.6	-5.0	-1.0
1977	C	1098.3	1084.7	-13.6	-1.2
1978	AN	657.1	648.5	-8.6	-1.3
1979	BN	797.8	796.9	-0.8	-0.1
1980	AN	714.4	713.7	-0.7	-0.1
1981	D	710.3	676.1	-34.2	-4.8
1982	W	781.8	780.2	-1.6	-0.2
1983	W	309.7	309.6	-0.1	0.0
1984	W	270.0	269.9	-0.1	0.0
1985	D	854.4	859.5	5.1	0.6
1986	W	692.1	684.8	-7.3	-1.1
1987	D	726.9	725.6	-1.3	-0.2
1988	C	786.4	780.3	-6.1	-0.8
1989	D	947.2	942.8	-4.4	-0.5
1990	C	722.8	715.5	-7.3	-1.0
1991	C	948.4	928.6	-19.8	-2.1
Mean:		702.5	696.3	-6.2	-0.8
Median:		722.8	715.5	-4.4	-0.5
Min:		270.0	269.9	-34.2	-4.8
Max:		1098.3	1084.7	5.1	0.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	718.5	718.3	-0.2	0.0
1976	C	886.3	864.8	-21.5	-2.4
1977	C	911.0	904.7	-6.3	-0.7
1978	AN	702.5	700.4	-2.1	-0.3
1979	BN	848.9	848.4	-0.5	-0.1
1980	AN	573.4	574.5	1.1	0.2
1981	D	748.1	737.9	-10.2	-1.4
1982	W	272.6	272.8	0.2	0.1
1983	W	410.4	410.3	-0.1	0.0
1984	W	366.2	366.0	-0.2	-0.1
1985	D	307.1	310.9	3.8	1.2
1986	W	647.4	640.7	-6.8	-1.1
1987	D	793.2	796.4	3.2	0.4
1988	C	836.9	829.4	-7.5	-0.9
1989	D	755.0	753.4	-1.6	-0.2
1990	C	685.5	682.8	-2.8	-0.4
1991	C	761.9	749.5	-12.4	-1.6
Mean:		660.3	656.5	-3.8	-0.4
Median:		718.5	718.3	-1.6	-0.2
Min:		272.6	272.8	-21.5	-2.4
Max:		911.0	904.7	3.8	1.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	818.1	830.1	12.0	1.5
1976	C	1004.9	984.6	-20.3	-2.0
1977	C	1285.4	1278.8	-6.6	-0.5
1978	AN	971.4	971.0	-0.4	0.0
1979	BN	680.9	682.7	1.8	0.3
1980	AN	440.9	442.9	2.0	0.5
1981	D	461.8	468.6	6.8	1.5
1982	W	476.6	476.5	-0.1	0.0
1983	W	807.7	807.7	0.0	0.0
1984	W	266.3	266.3	0.0	0.0
1985	D	316.5	328.5	12.0	3.8
1986	W	586.4	581.5	-4.8	-0.8
1987	D	659.4	685.0	25.6	3.9
1988	C	874.0	861.8	-12.3	-1.4
1989	D	805.3	803.9	-1.4	-0.2
1990	C	786.4	763.0	-23.4	-3.0
1991	C	847.9	840.9	-6.9	-0.8
Mean:		711.2	710.2	-0.9	0.2
Median:		786.4	763.0	-0.1	0.0
Min:		266.3	266.3	-23.4	-3.0
Max:		1285.4	1278.8	25.6	3.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	647.8	672.3	24.5	3.8
1976	C	864.9	840.8	-24.1	-2.8
1977	C	947.6	935.2	-12.5	-1.3
1978	AN	437.7	437.7	0.0	0.0
1979	BN	352.3	353.1	0.8	0.2
1980	AN	584.9	585.1	0.2	0.0
1981	D	339.2	353.6	14.4	4.2
1982	W	315.9	315.9	0.0	0.0
1983	W	652.0	652.1	0.0	0.0
1984	W	267.1	267.1	0.0	0.0
1985	D	555.9	587.9	32.0	5.8
1986	W	522.0	524.2	2.1	0.4
1987	D	692.8	710.7	17.9	2.6
1988	C	341.6	339.7	-1.9	-0.6
1989	D	932.9	932.6	-0.3	0.0
1990	C	764.9	716.6	-48.3	-6.3
1991	C	844.9	822.0	-22.9	-2.7
Mean:		592.0	591.0	-1.1	0.2
Median:		584.9	587.9	0.0	0.0
Min:		267.1	267.1	-48.3	-6.3
Max:		947.6	935.2	32.0	5.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	327.2	328.0	0.8	0.2
1976	C	458.6	454.7	-3.9	-0.9
1977	C	723.7	717.6	-6.2	-0.9
1978	AN	369.5	369.5	0.0	0.0
1979	BN	284.3	284.7	0.4	0.1
1980	AN	308.7	308.7	0.0	0.0
1981	D	278.6	281.8	3.2	1.1
1982	W	344.5	344.2	-0.3	-0.1
1983	W	750.4	750.3	-0.1	0.0
1984	W	256.0	256.0	0.0	0.0
1985	D	511.6	523.0	11.4	2.2
1986	W	529.7	529.9	0.2	0.0
1987	D	433.5	437.1	3.6	0.8
1988	C	318.6	316.0	-2.6	-0.8
1989	D	451.8	452.3	0.4	0.1
1990	C	479.8	469.8	-10.0	-2.1
1991	C	645.9	631.8	-14.1	-2.2
Mean:		439.6	438.5	-1.0	-0.1
Median:		433.5	437.1	0.0	0.0
Min:		256.0	256.0	-14.1	-2.2
Max:		750.4	750.3	11.4	2.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	346.9	347.0	0.0	0.0
1976	C	428.1	427.5	-0.6	-0.1
1977	C	601.5	599.5	-2.0	-0.3
1978	AN	327.1	327.1	0.0	0.0
1979	BN	331.4	332.1	0.7	0.2
1980	AN	311.9	312.0	0.1	0.0
1981	D	330.9	331.2	0.3	0.1
1982	W	376.1	375.9	-0.2	-0.1
1983	W	753.8	753.8	0.0	0.0
1984	W	326.7	326.7	0.0	0.0
1985	D	395.8	397.7	1.9	0.5
1986	W	400.0	400.1	0.1	0.0
1987	D	380.6	381.1	0.5	0.1
1988	C	400.8	398.7	-2.1	-0.5
1989	D	259.7	259.9	0.2	0.1
1990	C	392.5	397.6	5.1	1.3
1991	C	362.2	360.7	-1.5	-0.4
Mean:		395.6	395.8	0.1	0.1
Median:		376.1	375.9	0.0	0.0
Min:		259.7	259.9	-2.1	-0.5
Max:		753.8	753.8	5.1	1.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	287.4	287.4	0.0	0.0
1976	C	412.3	409.8	-2.5	-0.6
1977	C	536.5	537.8	1.3	0.2
1978	AN	291.4	291.4	0.0	0.0
1979	BN	293.8	293.8	0.0	0.0
1980	AN	292.3	292.3	0.0	0.0
1981	D	325.2	325.3	0.1	0.0
1982	W	243.8	243.8	0.0	0.0
1983	W	264.0	264.0	0.0	0.0
1984	W	333.9	333.8	-0.1	0.0
1985	D	373.4	382.1	8.7	2.3
1986	W	289.9	289.9	0.0	0.0
1987	D	345.5	346.0	0.5	0.1
1988	C	406.0	405.9	0.0	0.0
1989	D	278.2	281.5	3.2	1.2
1990	C	346.5	351.6	5.1	1.5
1991	C	319.8	319.9	0.1	0.0
Mean:		331.8	332.7	1.0	0.3
Median:		319.8	319.9	0.0	0.0
Min:		243.8	243.8	-2.5	-0.6
Max:		536.5	537.8	8.7	2.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	232.2	232.2	0.0	0.0
1976	C	710.6	709.0	-1.6	-0.2
1977	C	606.6	627.2	20.5	3.4
1978	AN	247.9	247.9	0.0	0.0
1979	BN	241.1	241.1	0.0	0.0
1980	AN	257.7	257.7	0.0	0.0
1981	D	299.1	307.2	8.1	2.7
1982	W	229.6	229.7	0.1	0.0
1983	W	208.9	208.9	0.0	0.0
1984	W	265.8	265.0	-0.8	-0.3
1985	D	298.7	304.5	5.8	1.9
1986	W	261.8	261.8	-0.1	0.0
1987	D	319.3	328.9	9.6	3.0
1988	C	442.0	444.6	2.7	0.6
1989	D	270.8	268.7	-2.0	-0.7
1990	C	436.6	455.3	18.7	4.3
1991	C	355.8	365.5	9.7	2.7
Mean:		334.4	338.5	4.2	1.0
Median:		270.8	268.7	0.0	0.0
Min:		208.9	208.9	-2.0	-0.7
Max:		710.6	709.0	20.5	4.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	238.5	239.1	0.5	0.2
1976	C	825.2	876.2	51.0	6.2
1977	C	484.5	500.8	16.3	3.4
1978	AN	248.4	249.4	0.9	0.4
1979	BN	268.8	270.0	1.2	0.4
1980	AN	266.1	267.8	1.7	0.6
1981	D	683.2	746.4	63.2	9.2
1982	W	227.1	227.2	0.1	0.0
1983	W	212.9	212.8	-0.1	0.0
1984	W	284.0	284.8	0.9	0.3
1985	D	540.6	587.5	46.9	8.7
1986	W	257.2	260.7	3.5	1.4
1987	D	437.9	448.8	10.9	2.5
1988	C	459.4	460.9	1.4	0.3
1989	D	439.4	469.3	29.9	6.8
1990	C	653.6	637.5	-16.0	-2.4
1991	C	566.4	573.5	7.1	1.3
Mean:		417.2	430.2	12.9	2.3
Median:		437.9	448.8	1.7	0.6
Min:		212.9	212.8	-16.0	-2.4
Max:		825.2	876.2	63.2	9.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	412.2	418.2	6.0	1.5
1976	C	574.3	671.5	97.1	16.9
1977	C	521.5	515.2	-6.2	-1.2
1978	AN	355.3	358.6	3.4	1.0
1979	BN	415.8	421.3	5.5	1.3
1980	AN	399.9	406.2	6.4	1.6
1981	D	833.7	906.9	73.3	8.8
1982	W	317.8	321.1	3.3	1.0
1983	W	225.2	223.5	-1.7	-0.8
1984	W	429.4	433.7	4.4	1.0
1985	D	787.2	871.1	83.9	10.7
1986	W	346.8	352.5	5.7	1.6
1987	D	677.9	682.5	4.6	0.7
1988	C	572.5	567.0	-5.4	-0.9
1989	D	880.4	948.2	67.8	7.7
1990	C	631.9	608.1	-23.8	-3.8
1991	C	669.4	657.4	-12.0	-1.8
Mean:		532.4	550.8	18.4	2.7
Median:		521.5	515.2	4.6	1.0
Min:		225.2	223.5	-23.8	-3.8
Max:		880.4	948.2	97.1	16.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					2

CCWD Pumping Plant #1 (Rock Slough) Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	658.6	661.8	3.2	0.5
1976	C	702.4	747.8	45.4	6.5
1977	C	685.2	636.8	-48.4	-7.1
1978	AN	629.8	629.3	-0.5	-0.1
1979	BN	651.5	653.7	2.2	0.3
1980	AN	609.8	564.6	-45.2	-7.4
1981	D	588.0	601.1	13.1	2.2
1982	W	480.7	482.9	2.3	0.5
1983	W	241.7	234.1	-7.7	-3.2
1984	W	810.5	810.1	-0.3	0.0
1985	D	900.0	925.0	24.9	2.8
1986	W	642.7	643.1	0.4	0.1
1987	D	850.1	849.1	-1.0	-0.1
1988	C	654.6	646.4	-8.1	-1.2
1989	D	1379.9	1316.3	-63.6	-4.6
1990	C	669.9	649.2	-20.7	-3.1
1991	C	640.2	632.4	-7.8	-1.2
Mean:		693.9	687.3	-6.6	-0.9
Median:		654.6	646.4	-0.5	-0.1
Min:		241.7	234.1	-63.6	-7.4
Max:		1379.9	1316.3	45.4	6.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at West Canal at the mouth of CCF (SWP Banks) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	592.8	572.8	524.7	523.7	462.6	383.9	336.2	348.4	341.9	356.2	417.5	531.2
NEPA Yuba Accord Alternative	585.2	568.3	521.8	522.5	461.9	383.0	336.1	348.1	344.9	366.6	432.8	528.7
Difference	-7.5	-4.5	-2.9	-1.2	-0.7	-1.0	-0.1	-0.3	3.0	10.4	15.2	-2.5
Percent Difference ³	-1.3	-0.8	-0.5	-0.2	-0.2	-0.3	0.0	-0.1	0.9	2.9	3.6	-0.5
Water Year Types¹												
Wet												
NEPA No Action Alternative	374.5	403.9	339.1	363.4	290.4	238.6	230.0	254.5	257.4	243.3	291.5	451.1
NEPA Yuba Accord Alternative	375.2	402.4	338.2	364.0	293.5	238.6	230.1	254.5	257.4	243.0	293.6	451.4
Difference	0.7	-1.5	-0.9	0.6	3.1	0.1	0.1	0.0	-0.1	-0.3	2.1	0.3
Percent Difference	0.2	-0.4	-0.3	0.2	1.1	0.0	0.0	0.0	0.0	-0.1	0.7	0.1
Above Normal												
NEPA No Action Alternative	657.1	621.4	529.5	451.8	265.1	293.1	263.1	263.4	274.7	256.2	311.7	478.9
NEPA Yuba Accord Alternative	643.2	614.8	528.9	452.1	265.2	293.1	263.1	263.4	274.8	256.7	314.8	464.2
Difference	-13.9	-6.5	-0.7	0.4	0.0	0.0	0.0	0.0	0.1	0.4	3.1	-14.7
Percent Difference	-2.1	-1.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	1.0	-3.1
Below Normal												
NEPA No Action Alternative	679.4	606.3	675.1	512.1	322.2	289.1	296.3	297.5	272.6	256.9	335.9	493.9
NEPA Yuba Accord Alternative	677.6	605.7	674.8	513.0	322.8	289.2	296.5	297.5	272.6	256.9	339.0	495.4
Difference	-1.8	-0.6	-0.3	0.9	0.5	0.1	0.2	0.0	0.0	-0.1	3.0	1.5
Percent Difference	-0.3	-0.1	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.9	0.3
Dry												
NEPA No Action Alternative	659.3	641.3	553.7	485.8	536.2	432.5	345.0	369.9	335.6	408.2	592.4	697.0
NEPA Yuba Accord Alternative	640.5	635.6	552.9	491.9	547.8	437.5	346.3	369.1	343.6	433.7	636.3	694.9
Difference	-18.7	-5.7	-0.9	6.1	11.6	5.1	1.3	-0.9	8.0	25.5	44.0	-2.2
Percent Difference	-2.8	-0.9	-0.2	1.3	2.2	1.2	0.4	-0.2	2.4	6.3	7.4	-0.3
Critical												
NEPA No Action Alternative	714.7	660.9	655.0	745.6	682.9	545.8	472.5	469.1	472.1	487.4	462.4	507.0
NEPA Yuba Accord Alternative	709.4	654.3	647.2	735.7	668.0	538.3	471.2	469.0	475.9	502.4	475.1	505.4
Difference	-5.4	-6.6	-7.8	-9.9	-14.9	-7.5	-1.3	-0.2	3.9	15.0	12.7	-1.5
Percent Difference	-0.8	-1.0	-1.2	-1.3	-2.2	-1.4	-0.3	0.0	0.8	3.1	2.8	-0.3

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

West Canal at the mouth of CCF (SWP Banks) Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	122.5	122.5	0.0	0.0
1976	C	435.4	434.0	-1.4	-0.3
1977	C	940.8	950.9	10.0	1.1
1978	AN	610.7	584.3	-26.4	-4.3
1979	BN	679.4	677.5	-1.8	-0.3
1980	AN	703.6	702.1	-1.5	-0.2
1981	D	607.0	538.8	-68.2	-11.2
1982	W	551.1	553.8	2.7	0.5
1983	W	285.6	285.2	-0.4	-0.1
1984	W	240.4	239.9	-0.5	-0.2
1985	D	712.4	710.8	-1.5	-0.2
1986	W	672.9	674.8	1.9	0.3
1987	D	657.1	657.7	0.6	0.1
1988	C	770.9	766.9	-4.0	-0.5
1989	D	660.6	654.9	-5.7	-0.9
1990	C	773.8	753.8	-20.0	-2.6
1991	C	652.8	641.3	-11.5	-1.8
Mean:		592.8	585.2	-7.5	-1.2
Median:		657.1	654.9	-1.5	-0.2
Min:		122.5	122.5	-68.2	-11.2
Max:		940.8	950.9	10.0	1.1
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	384.5	384.5	0.0	0.0
1976	C	425.9	423.3	-2.6	-0.6
1977	C	826.4	820.7	-5.7	-0.7
1978	AN	638.9	626.1	-12.8	-2.0
1979	BN	606.3	605.7	-0.6	-0.1
1980	AN	603.8	603.5	-0.3	0.0
1981	D	552.6	529.2	-23.5	-4.3
1982	W	622.1	621.2	-0.9	-0.1
1983	W	243.7	243.5	-0.2	-0.1
1984	W	189.0	188.9	0.0	0.0
1985	D	655.1	659.1	4.1	0.6
1986	W	580.3	573.8	-6.5	-1.1
1987	D	596.7	597.3	0.6	0.1
1988	C	682.5	678.5	-4.1	-0.6
1989	D	760.6	756.8	-3.7	-0.5
1990	C	623.3	615.5	-7.8	-1.3
1991	C	746.3	733.5	-12.8	-1.7
Mean:		572.8	568.3	-4.5	-0.7
Median:		606.3	605.7	-2.6	-0.5
Min:		189.0	188.9	-23.5	-4.3
Max:		826.4	820.7	4.1	0.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	569.7	569.6	-0.1	0.0
1976	C	675.2	660.3	-15.0	-2.2
1977	C	686.8	682.7	-4.0	-0.6
1978	AN	585.0	583.1	-1.8	-0.3
1979	BN	675.1	674.8	-0.3	0.0
1980	AN	474.1	474.6	0.5	0.1
1981	D	612.9	605.0	-8.0	-1.3
1982	W	303.2	303.4	0.1	0.0
1983	W	153.4	153.4	0.0	0.0
1984	W	130.9	130.9	0.0	0.0
1985	D	328.9	332.0	3.1	0.9
1986	W	538.2	533.7	-4.5	-0.8
1987	D	629.6	632.4	2.8	0.4
1988	C	656.1	651.2	-4.9	-0.7
1989	D	643.4	642.1	-1.3	-0.2
1990	C	569.5	566.9	-2.5	-0.4
1991	C	687.6	675.0	-12.5	-1.8
Mean:		524.7	521.8	-2.8	-0.4
Median:		585.0	583.1	-1.3	-0.2
Min:		130.9	130.9	-15.0	-2.2
Max:		687.6	682.7	3.1	0.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	651.8	659.2	7.4	1.1
1976	C	782.6	767.9	-14.7	-1.9
1977	C	896.4	893.7	-2.7	-0.3
1978	AN	558.5	558.2	-0.3	-0.1
1979	BN	512.1	513.0	0.9	0.2
1980	AN	345.0	346.0	1.0	0.3
1981	D	435.3	438.2	2.9	0.7
1982	W	356.5	356.2	-0.2	-0.1
1983	W	137.7	137.7	0.0	0.0
1984	W	146.7	146.7	0.0	0.0
1985	D	306.5	313.1	6.6	2.2
1986	W	524.2	519.9	-4.3	-0.8
1987	D	565.4	581.1	15.8	2.8
1988	C	755.2	745.1	-10.1	-1.3
1989	D	635.9	635.0	-0.9	-0.1
1990	C	616.6	601.4	-15.2	-2.5
1991	C	677.0	670.2	-6.7	-1.0
Mean:		523.7	522.5	-1.2	0.0
Median:		558.5	558.2	-0.2	-0.1
Min:		137.7	137.7	-15.2	-2.5
Max:		896.4	893.7	15.8	2.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	517.1	531.8	14.8	2.9
1976	C	704.2	686.6	-17.6	-2.5
1977	C	865.8	860.2	-5.6	-0.6
1978	AN	368.0	368.0	0.0	0.0
1979	BN	322.2	322.8	0.5	0.2
1980	AN	162.3	162.3	0.1	0.1
1981	D	355.0	365.6	10.6	3.0
1982	W	259.8	259.8	0.0	0.0
1983	W	118.6	118.6	0.0	0.0
1984	W	234.4	234.4	0.0	0.0
1985	D	470.5	492.6	22.1	4.7
1986	W	321.9	322.8	0.9	0.3
1987	D	579.7	593.8	14.0	2.4
1988	C	438.3	434.0	-4.3	-1.0
1989	D	739.7	739.4	-0.3	0.0
1990	C	687.8	649.6	-38.2	-5.6
1991	C	718.5	709.5	-9.0	-1.3
Mean:		462.6	461.9	-0.7	0.2
Median:		438.3	434.0	0.0	0.0
Min:		118.6	118.6	-38.2	-5.6
Max:		865.8	860.2	22.1	4.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	294.8	295.5	0.6	0.2
1976	C	493.9	488.7	-5.1	-1.0
1977	C	771.8	766.2	-5.6	-0.7
1978	AN	345.6	345.6	0.0	0.0
1979	BN	289.1	289.2	0.1	0.0
1980	AN	240.6	240.6	0.0	0.0
1981	D	342.0	345.2	3.3	1.0
1982	W	281.5	281.3	-0.2	-0.1
1983	W	149.3	149.1	-0.2	-0.1
1984	W	269.2	269.2	0.0	0.0
1985	D	500.0	511.6	11.7	2.3
1986	W	198.1	198.1	0.1	0.1
1987	D	442.0	447.1	5.1	1.2
1988	C	413.9	407.6	-6.4	-1.5
1989	D	445.9	446.2	0.3	0.1
1990	C	492.1	481.7	-10.4	-2.1
1991	C	557.3	547.4	-9.8	-1.8
Mean:		383.9	383.0	-1.0	-0.1
Median:		345.6	345.6	0.0	0.0
Min:		149.3	149.1	-10.4	-2.1
Max:		771.8	766.2	11.7	2.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	285.1	285.2	0.0	0.0
1976	C	397.6	396.4	-1.2	-0.3
1977	C	707.1	703.2	-3.8	-0.5
1978	AN	264.2	264.2	0.0	0.0
1979	BN	296.3	296.5	0.2	0.1
1980	AN	262.0	262.1	0.0	0.0
1981	D	337.0	337.2	0.2	0.1
1982	W	169.7	169.7	0.0	0.0
1983	W	168.8	169.0	0.2	0.1
1984	W	295.3	295.3	0.0	0.0
1985	D	430.5	433.2	2.7	0.6
1986	W	231.2	231.5	0.3	0.1
1987	D	344.6	346.5	1.9	0.6
1988	C	428.8	425.6	-3.2	-0.7
1989	D	267.8	268.2	0.3	0.1
1990	C	423.3	426.8	3.4	0.8
1991	C	405.7	403.8	-1.9	-0.5
Mean:		336.2	336.1	-0.1	0.0
Median:		296.3	296.5	0.0	0.0
Min:		168.8	169.0	-3.8	-0.7
Max:		707.1	703.2	3.4	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	297.8	297.8	0.0	0.0
1976	C	428.7	427.6	-1.1	-0.3
1977	C	647.2	645.0	-2.2	-0.3
1978	AN	236.0	236.0	0.0	0.0
1979	BN	297.5	297.5	0.0	0.0
1980	AN	290.7	290.7	0.0	0.0
1981	D	357.6	357.7	0.0	0.0
1982	W	190.4	190.4	0.0	0.0
1983	W	165.0	165.0	0.0	0.0
1984	W	343.8	343.8	0.0	0.0
1985	D	416.9	414.2	-2.8	-0.7
1986	W	275.5	275.5	0.0	0.0
1987	D	374.2	375.4	1.1	0.3
1988	C	451.7	451.3	-0.5	-0.1
1989	D	331.0	329.0	-1.9	-0.6
1990	C	428.6	432.1	3.6	0.8
1991	C	389.4	388.7	-0.7	-0.2
Mean:		348.4	348.1	-0.3	-0.1
Median:		343.8	343.8	0.0	0.0
Min:		165.0	165.0	-2.8	-0.7
Max:		647.2	645.0	3.6	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	276.3	276.3	0.0	0.0
1976	C	532.7	531.4	-1.3	-0.2
1977	C	602.0	606.1	4.2	0.7
1978	AN	248.6	248.6	0.0	0.0
1979	BN	272.6	272.6	0.0	0.0
1980	AN	300.8	301.0	0.2	0.1
1981	D	316.9	321.8	5.0	1.6
1982	W	245.5	245.6	0.1	0.0
1983	W	132.2	132.2	0.0	0.0
1984	W	331.3	330.9	-0.4	-0.1
1985	D	361.5	368.1	6.6	1.8
1986	W	301.8	301.9	0.1	0.0
1987	D	370.4	382.9	12.5	3.4
1988	C	444.9	446.4	1.5	0.3
1989	D	293.7	301.5	7.8	2.7
1990	C	408.3	417.2	8.9	2.2
1991	C	372.4	378.4	6.0	1.6
Mean:		341.9	344.9	3.0	0.8
Median:		316.9	321.8	0.2	0.1
Min:		132.2	132.2	-1.3	-0.2
Max:		602.0	606.1	12.5	3.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	238.2	237.9	-0.3	-0.1
1976	C	646.6	676.3	29.8	4.6
1977	C	478.6	496.9	18.4	3.8
1978	AN	241.8	241.9	0.0	0.0
1979	BN	256.9	256.9	-0.1	0.0
1980	AN	270.6	271.4	0.8	0.3
1981	D	505.3	550.0	44.7	8.8
1982	W	246.6	246.4	-0.2	-0.1
1983	W	190.8	190.7	0.0	0.0
1984	W	272.7	272.6	-0.1	0.0
1985	D	417.6	447.5	29.9	7.2
1986	W	268.3	267.5	-0.8	-0.3
1987	D	362.0	371.8	9.7	2.7
1988	C	418.0	425.5	7.5	1.8
1989	D	347.7	365.6	17.9	5.1
1990	C	479.6	485.4	5.8	1.2
1991	C	414.3	427.5	13.2	3.2
Mean:		356.2	366.6	10.4	2.2
Median:		347.7	365.6	5.8	1.2
Min:		190.8	190.7	-0.8	-0.3
Max:		646.6	676.3	44.7	8.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	329.3	333.2	3.9	1.2
1976	C	472.1	530.7	58.6	12.4
1977	C	409.1	419.6	10.5	2.6
1978	AN	299.1	301.2	2.1	0.7
1979	BN	335.9	339.0	3.0	0.9
1980	AN	324.3	328.4	4.1	1.3
1981	D	632.8	688.9	56.1	8.9
1982	W	281.0	282.5	1.5	0.5
1983	W	209.1	208.2	-0.9	-0.4
1984	W	339.5	342.4	2.9	0.9
1985	D	597.8	658.6	60.9	10.2
1986	W	298.7	301.7	3.0	1.0
1987	D	512.5	517.1	4.5	0.9
1988	C	426.6	429.5	2.9	0.7
1989	D	626.3	680.6	54.3	8.7
1990	C	514.4	501.8	-12.6	-2.4
1991	C	489.7	494.1	4.3	0.9
Mean:		417.5	432.8	15.2	2.9
Median:		409.1	419.6	3.9	0.9
Min:		209.1	208.2	-12.6	-2.4
Max:		632.8	688.9	60.9	12.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					2

West Canal at the mouth of CCF (SWP Banks) Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	505.1	507.8	2.7	0.5
1976	C	599.6	629.4	29.8	5.0
1977	C	461.4	447.2	-14.2	-3.1
1978	AN	485.9	485.3	-0.7	-0.1
1979	BN	493.9	495.4	1.5	0.3
1980	AN	471.8	443.1	-28.7	-6.1
1981	D	455.9	465.8	9.8	2.1
1982	W	401.1	402.6	1.5	0.4
1983	W	267.4	263.3	-4.2	-1.6
1984	W	600.8	601.5	0.7	0.1
1985	D	680.9	699.2	18.3	2.7
1986	W	481.1	481.9	0.8	0.2
1987	D	633.1	634.2	1.1	0.2
1988	C	475.8	473.2	-2.6	-0.5
1989	D	1018.3	980.3	-38.0	-3.7
1990	C	507.3	491.2	-16.1	-3.2
1991	C	490.7	486.2	-4.5	-0.9
Mean:		531.2	528.7	-2.5	-0.5
Median:		490.7	486.2	0.7	0.1
Min:		267.4	263.3	-38.0	-6.1
Max:		1018.3	980.3	29.8	5.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at the Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	600.5	570.0	537.2	526.8	466.8	460.9	385.1	387.7	404.3	435.4	501.7	642.5
NEPA Yuba Accord Alternative	594.2	566.6	535.3	525.7	465.8	460.3	385.3	388.3	409.6	442.5	510.5	639.3
Difference	-6.3	-3.3	-1.9	-1.1	-1.0	-0.6	0.2	0.6	5.3	7.1	8.8	-3.2
Percent Difference ³	-1.0	-0.6	-0.4	-0.2	-0.2	-0.1	0.1	0.2	1.3	1.6	1.8	-0.5
Water Year Types¹												
Wet												
NEPA No Action Alternative	376.3	417.4	380.9	388.7	251.3	257.8	246.3	276.4	306.3	333.2	408.8	552.6
NEPA Yuba Accord Alternative	377.1	416.2	380.3	389.7	252.5	257.7	246.4	276.4	306.2	333.4	410.4	552.8
Difference	0.8	-1.2	-0.6	1.0	1.1	-0.1	0.1	0.0	0.0	0.2	1.6	0.2
Percent Difference	0.2	-0.3	-0.2	0.3	0.4	-0.1	0.0	0.0	0.0	0.1	0.4	0.0
Above Normal												
NEPA No Action Alternative	704.1	619.3	554.2	346.8	232.3	277.4	252.6	269.8	291.0	333.0	406.6	570.5
NEPA Yuba Accord Alternative	694.1	616.0	553.8	346.8	232.3	277.4	252.6	269.8	291.0	333.4	409.1	559.3
Difference	-10.0	-3.3	-0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.3	2.5	-11.2
Percent Difference	-1.4	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	-2.0
Below Normal												
NEPA No Action Alternative	647.6	605.2	640.5	439.4	254.4	291.2	312.6	325.7	378.7	368.2	443.5	637.1
NEPA Yuba Accord Alternative	646.2	604.8	640.3	439.5	254.5	291.2	312.7	325.7	378.7	365.9	441.7	637.8
Difference	-1.5	-0.5	-0.2	0.2	0.1	0.0	0.1	0.0	0.0	-2.3	-1.8	0.7
Percent Difference	-0.2	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.6	-0.4	0.1
Dry												
NEPA No Action Alternative	666.5	635.4	565.0	551.1	603.6	565.0	424.7	442.0	436.6	489.9	630.1	789.3
NEPA Yuba Accord Alternative	651.0	631.3	564.5	554.2	611.1	567.7	425.7	444.2	444.6	509.5	661.3	786.8
Difference	-15.5	-4.1	-0.6	3.1	7.6	2.7	1.0	2.2	8.0	19.6	31.2	-2.5
Percent Difference	-2.3	-0.6	-0.1	0.6	1.3	0.5	0.2	0.5	1.8	4.0	5.0	-0.3
Critical												
NEPA No Action Alternative	721.2	643.4	643.8	734.8	709.2	688.1	559.7	515.2	526.9	548.4	541.6	644.7
NEPA Yuba Accord Alternative	715.7	637.9	638.6	727.5	698.4	684.0	559.5	515.4	538.7	556.8	544.2	639.9
Difference	-5.5	-5.5	-5.2	-7.2	-10.8	-4.1	-0.2	0.2	11.7	8.4	2.6	-4.8
Percent Difference	-0.8	-0.8	-0.8	-1.0	-1.5	-0.6	0.0	0.0	2.2	1.5	0.5	-0.7

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	165.2	165.2	0.0	0.0
1976	C	448.3	447.1	-1.2	-0.3
1977	C	901.0	909.7	8.7	1.0
1978	AN	705.9	687.2	-18.7	-2.6
1979	BN	647.6	646.2	-1.5	-0.2
1980	AN	702.2	700.9	-1.3	-0.2
1981	D	582.4	527.0	-55.3	-9.5
1982	W	587.2	589.4	2.2	0.4
1983	W	227.7	228.0	0.3	0.1
1984	W	221.7	221.6	0.0	0.0
1985	D	708.8	707.6	-1.2	-0.2
1986	W	679.7	681.2	1.5	0.2
1987	D	652.7	653.5	0.7	0.1
1988	C	776.8	772.7	-4.1	-0.5
1989	D	722.2	715.8	-6.4	-0.9
1990	C	766.2	749.0	-17.2	-2.2
1991	C	713.6	699.9	-13.7	-1.9
Mean:		600.5	594.2	-6.3	-1.0
Median:		679.7	681.2	-1.2	-0.2
Min:		165.2	165.2	-55.3	-9.5
Max:		901.0	909.7	8.7	1.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	417.3	417.3	0.0	0.0
1976	C	446.3	443.7	-2.6	-0.6
1977	C	757.2	752.7	-4.5	-0.6
1978	AN	648.4	641.9	-6.5	-1.0
1979	BN	605.2	604.8	-0.5	-0.1
1980	AN	590.3	590.1	-0.2	0.0
1981	D	556.2	538.7	-17.5	-3.1
1982	W	626.9	626.1	-0.8	-0.1
1983	W	258.0	257.9	-0.1	0.0
1984	W	180.7	180.7	0.0	0.0
1985	D	647.3	651.1	3.8	0.6
1986	W	604.1	598.9	-5.2	-0.9
1987	D	592.8	593.0	0.2	0.0
1988	C	669.8	666.6	-3.2	-0.5
1989	D	745.4	742.5	-2.9	-0.4
1990	C	613.5	607.2	-6.2	-1.0
1991	C	730.0	719.3	-10.7	-1.5
Mean:		570.0	566.6	-3.3	-0.5
Median:		605.2	604.8	-2.6	-0.4
Min:		180.7	180.7	-17.5	-3.1
Max:		757.2	752.7	3.8	0.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	578.8	578.7	-0.1	0.0
1976	C	655.9	644.9	-11.0	-1.7
1977	C	644.3	642.2	-2.1	-0.3
1978	AN	605.9	604.8	-1.2	-0.2
1979	BN	640.5	640.3	-0.2	0.0
1980	AN	502.4	502.7	0.4	0.1
1981	D	600.9	595.8	-5.1	-0.8
1982	W	435.2	435.3	0.1	0.0
1983	W	140.0	140.4	0.3	0.2
1984	W	161.5	161.6	0.1	0.1
1985	D	415.8	418.0	2.2	0.5
1986	W	588.8	585.4	-3.4	-0.6
1987	D	615.4	616.8	1.4	0.2
1988	C	667.1	663.1	-4.0	-0.6
1989	D	628.1	627.2	-0.9	-0.1
1990	C	600.1	598.5	-1.6	-0.3
1991	C	651.6	644.3	-7.4	-1.1
Mean:		537.2	535.3	-1.9	-0.3
Median:		600.9	598.5	-0.9	-0.1
Min:		140.0	140.4	-11.0	-1.7
Max:		667.1	663.1	2.2	0.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	647.4	653.3	5.9	0.9
1976	C	742.9	731.8	-11.1	-1.5
1977	C	848.9	846.9	-2.0	-0.2
1978	AN	486.6	486.5	-0.2	0.0
1979	BN	439.4	439.5	0.2	0.0
1980	AN	207.1	207.1	0.0	0.0
1981	D	513.7	515.2	1.6	0.3
1982	W	332.9	333.5	0.5	0.2
1983	W	247.5	248.6	1.2	0.5
1984	W	150.4	150.4	0.0	0.0
1985	D	414.9	420.0	5.1	1.2
1986	W	565.2	562.7	-2.5	-0.4
1987	D	624.5	630.7	6.2	1.0
1988	C	739.3	731.9	-7.4	-1.0
1989	D	651.5	650.8	-0.7	-0.1
1990	C	642.3	629.8	-12.5	-1.9
1991	C	700.5	697.3	-3.2	-0.5
Mean:		526.8	525.7	-1.1	-0.1
Median:		565.2	562.7	0.0	0.0
Min:		150.4	150.4	-12.5	-1.9
Max:		848.9	846.9	6.2	1.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	417.5	423.1	5.5	1.3
1976	C	722.3	712.9	-9.5	-1.3
1977	C	843.1	838.6	-4.5	-0.5
1978	AN	307.6	307.6	0.0	0.0
1979	BN	254.4	254.5	0.1	0.0
1980	AN	156.9	157.0	0.0	0.0
1981	D	443.4	450.5	7.2	1.6
1982	W	192.6	192.9	0.3	0.2
1983	W	154.0	153.8	-0.3	-0.2
1984	W	236.2	236.2	0.0	0.0
1985	D	550.7	565.9	15.2	2.8
1986	W	256.2	256.4	0.1	0.0
1987	D	646.6	654.6	8.0	1.2
1988	C	490.2	488.7	-1.5	-0.3
1989	D	773.6	773.5	-0.2	0.0
1990	C	704.1	674.6	-29.5	-4.2
1991	C	786.1	777.2	-8.9	-1.1
Mean:		466.8	465.7	-1.1	0.0
Median:		443.4	450.5	0.0	0.0
Min:		154.0	153.8	-29.5	-4.2
Max:		843.1	838.6	15.2	2.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	295.0	295.2	0.1	0.0
1976	C	625.3	622.7	-2.7	-0.4
1977	C	884.6	882.4	-2.2	-0.2
1978	AN	334.1	334.1	-0.1	0.0
1979	BN	291.2	291.2	0.0	0.0
1980	AN	220.7	220.7	0.0	0.0
1981	D	454.4	455.8	1.4	0.3
1982	W	253.7	253.7	0.1	0.0
1983	W	207.4	206.5	-0.9	-0.4
1984	W	340.9	340.8	0.0	0.0
1985	D	587.1	593.5	6.5	1.1
1986	W	192.2	192.3	0.0	0.0
1987	D	647.1	649.6	2.5	0.4
1988	C	725.7	717.1	-8.6	-1.2
1989	D	571.3	571.6	0.3	0.1
1990	C	629.8	629.4	-0.4	-0.1
1991	C	575.1	568.5	-6.6	-1.1
Mean:		460.9	460.3	-0.6	-0.1
Median:		454.4	455.8	0.0	0.0
Min:		192.2	192.3	-8.6	-1.2
Max:		884.6	882.4	6.5	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	301.4	301.4	0.0	0.0
1976	C	505.8	505.1	-0.7	-0.1
1977	C	725.5	724.0	-1.5	-0.2
1978	AN	228.1	228.2	0.0	0.0
1979	BN	312.6	312.7	0.1	0.0
1980	AN	277.0	277.1	0.0	0.0
1981	D	393.6	394.1	0.5	0.1
1982	W	162.6	162.8	0.3	0.2
1983	W	186.2	186.3	0.1	0.1
1984	W	350.5	350.5	0.0	0.0
1985	D	511.0	512.5	1.5	0.3
1986	W	230.9	231.1	0.2	0.1
1987	D	441.1	442.5	1.4	0.3
1988	C	534.8	533.1	-1.7	-0.3
1989	D	353.0	353.6	0.6	0.2
1990	C	558.1	561.9	3.9	0.7
1991	C	474.4	473.5	-0.9	-0.2
Mean:		385.1	385.3	0.2	0.1
Median:		353.0	353.6	0.1	0.0
Min:		162.6	162.8	-1.7	-0.3
Max:		725.5	724.0	3.9	0.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	329.1	329.1	0.0	0.0
1976	C	489.9	489.0	-0.9	-0.2
1977	C	642.6	642.0	-0.6	-0.1
1978	AN	223.6	223.6	0.0	0.0
1979	BN	325.7	325.7	0.0	0.0
1980	AN	316.0	316.0	0.0	0.0
1981	D	407.8	407.8	0.1	0.0
1982	W	196.4	196.4	0.0	0.0
1983	W	173.3	173.3	0.0	0.0
1984	W	391.8	391.9	0.1	0.0
1985	D	459.8	464.7	4.9	1.1
1986	W	291.1	291.1	0.0	0.0
1987	D	481.4	482.1	0.6	0.1
1988	C	509.4	509.5	0.0	0.0
1989	D	418.9	422.3	3.4	0.8
1990	C	487.7	490.8	3.1	0.6
1991	C	446.2	445.8	-0.4	-0.1
Mean:		387.7	388.3	0.6	0.1
Median:		407.8	407.8	0.0	0.0
Min:		173.3	173.3	-0.9	-0.2
Max:		642.6	642.0	4.9	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	343.0	343.0	0.0	0.0
1976	C	591.2	590.3	-0.9	-0.2
1977	C	621.9	633.9	12.0	1.9
1978	AN	247.7	247.7	0.0	0.0
1979	BN	378.7	378.7	0.0	0.0
1980	AN	334.2	334.3	0.1	0.0
1981	D	407.9	412.4	4.5	1.1
1982	W	274.5	274.6	0.1	0.0
1983	W	145.1	145.1	0.0	0.0
1984	W	430.8	430.5	-0.3	-0.1
1985	D	449.1	454.2	5.1	1.1
1986	W	337.8	337.8	0.0	0.0
1987	D	478.0	495.6	17.7	3.7
1988	C	504.4	514.5	10.1	2.0
1989	D	411.3	416.2	4.9	1.2
1990	C	476.7	501.2	24.5	5.1
1991	C	440.5	453.5	13.0	3.0
Mean:		404.3	409.6	5.3	1.1
Median:		411.3	416.2	0.1	0.0
Min:		145.1	145.1	-0.9	-0.2
Max:		621.9	633.9	24.5	5.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	339.0	338.8	-0.2	-0.1
1976	C	654.5	675.1	20.6	3.1
1977	C	510.1	524.9	14.8	2.9
1978	AN	333.3	333.4	0.1	0.0
1979	BN	368.2	365.9	-2.3	-0.6
1980	AN	332.8	333.3	0.6	0.2
1981	D	554.2	590.3	36.0	6.5
1982	W	337.3	337.0	-0.2	-0.1
1983	W	198.1	198.1	0.0	0.0
1984	W	389.5	389.8	0.2	0.1
1985	D	477.9	502.6	24.7	5.2
1986	W	402.1	403.3	1.2	0.3
1987	D	479.3	482.3	3.0	0.6
1988	C	499.0	503.3	4.3	0.9
1989	D	448.0	462.7	14.7	3.3
1990	C	564.1	561.7	-2.4	-0.4
1991	C	514.2	519.1	4.9	1.0
Mean:		435.4	442.5	7.1	1.3
Median:		448.0	462.7	1.2	0.3
Min:		198.1	198.1	-2.4	-0.6
Max:		654.5	675.1	36.0	6.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	428.6	431.5	2.9	0.7
1976	C	540.8	577.9	37.1	6.9
1977	C	483.9	487.2	3.3	0.7
1978	AN	401.6	403.5	1.9	0.5
1979	BN	443.5	441.7	-1.8	-0.4
1980	AN	411.6	414.7	3.1	0.8
1981	D	634.2	675.2	41.0	6.5
1982	W	402.0	403.4	1.5	0.4
1983	W	353.6	353.0	-0.6	-0.2
1984	W	450.4	452.6	2.2	0.5
1985	D	614.4	659.8	45.4	7.4
1986	W	409.4	411.5	2.2	0.5
1987	D	586.7	589.2	2.5	0.4
1988	C	545.5	541.0	-4.5	-0.8
1989	D	685.0	721.1	36.1	5.3
1990	C	581.6	564.0	-17.6	-3.0
1991	C	556.3	551.1	-5.1	-0.9
Mean:		501.7	510.5	8.8	1.5
Median:		483.9	487.2	2.2	0.5
Min:		353.6	353.0	-17.6	-3.0
Max:		685.0	721.1	45.4	7.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	601.3	602.9	1.6	0.3
1976	C	752.0	772.1	20.0	2.7
1977	C	624.9	606.1	-18.8	-3.0
1978	AN	590.7	590.1	-0.6	-0.1
1979	BN	637.1	637.8	0.7	0.1
1980	AN	550.2	528.5	-21.7	-3.9
1981	D	586.7	592.8	6.1	1.0
1982	W	491.6	492.5	0.8	0.2
1983	W	362.4	360.6	-1.9	-0.5
1984	W	703.5	703.7	0.1	0.0
1985	D	787.5	798.5	11.0	1.4
1986	W	604.2	604.6	0.4	0.1
1987	D	760.3	758.4	-1.9	-0.2
1988	C	622.1	616.7	-5.4	-0.9
1989	D	1022.8	997.6	-25.2	-2.5
1990	C	648.9	633.4	-15.6	-2.4
1991	C	575.6	571.3	-4.3	-0.7
Mean:		642.5	639.3	-3.2	-0.5
Median:		622.1	606.1	-0.6	-0.1
Min:		362.4	360.6	-25.2	-3.9
Max:		1022.8	997.6	20.0	2.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at Victoria Canal under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	462.5	468.4	430.9	457.3	426.4	386.3	360.8	379.1	343.4	322.5	348.7	412.1
NEPA Yuba Accord Alternative	458.8	466.6	429.4	456.3	425.5	385.8	361.1	379.9	349.1	328.7	356.3	410.3
Difference	-3.7	-1.8	-1.6	-1.0	-0.9	-0.4	0.3	0.8	5.7	6.2	7.6	-1.9
Percent Difference ³	-0.8	-0.4	-0.4	-0.2	-0.2	-0.1	0.1	0.2	1.7	1.9	2.2	-0.5
Water Year Types¹												
Wet												
NEPA No Action Alternative	337.3	375.3	301.4	343.4	283.5	259.4	249.8	270.2	276.4	253.4	269.4	366.1
NEPA Yuba Accord Alternative	337.1	374.2	301.0	343.6	285.2	259.4	249.8	270.2	276.5	252.4	269.7	366.6
Difference	-0.2	-1.1	-0.4	0.1	1.8	0.0	0.0	0.0	0.1	-1.0	0.2	0.5
Percent Difference	-0.1	-0.3	-0.1	0.0	0.6	0.0	0.0	0.0	0.0	-0.4	0.1	0.1
Above Normal												
NEPA No Action Alternative	537.4	535.8	439.8	417.7	280.9	301.3	270.4	270.0	290.5	264.6	277.4	366.6
NEPA Yuba Accord Alternative	529.6	534.1	439.4	417.8	280.9	301.2	270.4	270.0	290.7	264.6	277.4	361.2
Difference	-7.8	-1.7	-0.4	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	-5.4
Percent Difference	-1.4	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-1.5
Below Normal												
NEPA No Action Alternative	453.9	439.9	525.5	459.4	325.5	298.0	314.3	307.0	291.7	259.4	290.5	377.9
NEPA Yuba Accord Alternative	453.2	439.8	525.3	459.8	325.7	298.0	314.3	307.0	291.7	258.1	289.9	378.5
Difference	-0.6	-0.2	-0.2	0.4	0.2	0.0	0.1	0.0	0.0	-1.4	-0.5	0.6
Percent Difference	-0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.5	-0.2	0.2
Dry												
NEPA No Action Alternative	501.8	505.6	464.1	425.7	490.2	443.7	395.1	432.0	339.9	329.7	432.5	496.0
NEPA Yuba Accord Alternative	495.8	504.8	464.0	429.1	498.0	447.6	396.2	434.8	349.6	344.7	461.6	495.4
Difference	-6.0	-0.8	-0.1	3.4	7.8	3.9	1.1	2.8	9.8	15.0	29.1	-0.6
Percent Difference	-1.2	-0.2	0.0	0.8	1.6	0.9	0.3	0.7	2.9	4.5	6.7	-0.1
Critical												
NEPA No Action Alternative	528.1	510.4	511.4	611.9	596.8	518.9	489.8	503.8	444.7	421.6	401.1	416.2
NEPA Yuba Accord Alternative	523.7	506.8	506.8	605.5	585.7	514.3	489.9	504.2	456.2	431.9	403.6	411.8
Difference	-4.4	-3.6	-4.6	-6.3	-11.1	-4.6	0.1	0.4	11.4	10.3	2.5	-4.4
Percent Difference	-0.8	-0.7	-0.9	-1.0	-1.9	-0.9	0.0	0.1	2.6	2.4	0.6	-1.1

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Victoria Canal Salinity

October

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	173.9	173.9	0.0	0.0
1976	C	381.6	381.1	-0.6	-0.2
1977	C	578.4	584.2	5.8	1.0
1978	AN	562.0	547.2	-14.8	-2.6
1979	BN	453.9	453.2	-0.7	-0.2
1980	AN	512.7	512.0	-0.7	-0.1
1981	D	419.6	399.7	-19.9	-4.7
1982	W	462.8	463.9	1.1	0.2
1983	W	263.8	263.5	-0.3	-0.1
1984	W	251.6	251.3	-0.2	-0.1
1985	D	524.4	523.8	-0.7	-0.1
1986	W	534.5	532.8	-1.7	-0.3
1987	D	498.6	500.3	1.7	0.3
1988	C	575.9	573.3	-2.5	-0.4
1989	D	564.6	559.6	-5.1	-0.9
1990	C	568.2	553.9	-14.2	-2.5
1991	C	536.4	525.7	-10.7	-2.0
Mean:		462.5	458.8	-3.7	-0.7
Median:		512.7	512.0	-0.7	-0.2
Min:		173.9	173.9	-19.9	-4.7
Max:		578.4	584.2	5.8	1.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	378.6	378.6	0.0	0.0
1976	C	372.4	372.2	-0.2	-0.1
1977	C	525.5	524.8	-0.7	-0.1
1978	AN	595.7	592.0	-3.7	-0.6
1979	BN	439.9	439.8	-0.2	0.0
1980	AN	475.8	476.1	0.3	0.1
1981	D	427.1	421.8	-5.3	-1.2
1982	W	520.8	520.4	-0.4	-0.1
1983	W	262.3	262.0	-0.2	-0.1
1984	W	194.8	194.8	0.0	0.0
1985	D	524.2	526.6	2.4	0.5
1986	W	519.9	515.3	-4.6	-0.9
1987	D	482.0	483.6	1.6	0.3
1988	C	552.1	550.9	-1.2	-0.2
1989	D	589.0	587.1	-1.9	-0.3
1990	C	500.6	495.2	-5.4	-1.1
1991	C	601.4	591.0	-10.3	-1.7
Mean:		468.4	466.6	-1.8	-0.3
Median:		500.6	495.2	-0.4	-0.1
Min:		194.8	194.8	-10.3	-1.7
Max:		601.4	592.0	2.4	0.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	447.2	447.1	-0.1	0.0
1976	C	500.1	491.5	-8.6	-1.7
1977	C	519.7	517.3	-2.4	-0.5
1978	AN	486.5	485.7	-0.8	-0.2
1979	BN	525.5	525.3	-0.2	0.0
1980	AN	393.1	393.2	0.1	0.0
1981	D	487.2	483.9	-3.3	-0.7
1982	W	319.4	319.6	0.2	0.1
1983	W	155.5	155.5	0.0	0.0
1984	W	132.8	132.8	0.0	0.0
1985	D	334.1	336.2	2.1	0.6
1986	W	452.3	450.0	-2.3	-0.5
1987	D	508.6	509.8	1.2	0.2
1988	C	501.2	498.5	-2.7	-0.5
1989	D	526.6	526.0	-0.6	-0.1
1990	C	463.7	462.1	-1.6	-0.3
1991	C	572.2	564.7	-7.5	-1.3
Mean:		430.9	429.4	-1.6	-0.3
Median:		486.5	483.9	-0.6	-0.1
Min:		132.8	132.8	-8.6	-1.7
Max:		572.2	564.7	2.1	0.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	520.6	524.5	3.9	0.7
1976	C	609.3	599.4	-9.8	-1.6
1977	C	710.0	708.5	-1.5	-0.2
1978	AN	521.3	521.1	-0.2	0.0
1979	BN	459.4	459.8	0.4	0.1
1980	AN	314.0	314.5	0.5	0.2
1981	D	399.9	401.2	1.2	0.3
1982	W	381.5	381.1	-0.4	-0.1
1983	W	170.6	170.7	0.1	0.1
1984	W	177.4	177.4	0.0	0.0
1985	D	313.2	316.4	3.2	1.0
1986	W	467.1	464.3	-2.8	-0.6
1987	D	481.5	491.3	9.8	2.0
1988	C	640.9	633.5	-7.4	-1.2
1989	D	508.2	507.6	-0.6	-0.1
1990	C	483.6	474.5	-9.1	-1.9
1991	C	615.5	611.8	-3.7	-0.6
Mean:		457.3	456.3	-1.0	-0.1
Median:		481.5	474.5	-0.2	0.0
Min:		170.6	170.7	-9.8	-1.9
Max:		710.0	708.5	9.8	2.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

February

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	464.7	472.8	8.1	1.7
1976	C	596.3	584.4	-11.9	-2.0
1977	C	703.0	699.6	-3.4	-0.5
1978	AN	378.4	378.3	0.0	0.0
1979	BN	325.5	325.7	0.2	0.1
1980	AN	183.5	183.5	0.0	0.0
1981	D	368.3	375.4	7.1	1.9
1982	W	256.7	256.9	0.1	0.0
1983	W	123.3	123.3	0.0	0.0
1984	W	248.4	248.4	0.0	0.0
1985	D	422.2	436.2	14.1	3.3
1986	W	324.3	324.7	0.5	0.2
1987	D	514.6	525.1	10.4	2.0
1988	C	428.2	426.4	-1.8	-0.4
1989	D	655.7	655.4	-0.3	0.0
1990	C	601.2	574.0	-27.2	-4.5
1991	C	655.3	644.0	-11.3	-1.7
Mean:		426.4	425.5	-0.9	0.0
Median:		422.2	426.4	0.0	0.0
Min:		123.3	123.3	-27.2	-4.5
Max:		703.0	699.6	14.1	3.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

March

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	309.9	310.1	0.2	0.1
1976	C	485.0	481.3	-3.7	-0.8
1977	C	683.1	679.9	-3.2	-0.5
1978	AN	370.3	370.3	0.0	0.0
1979	BN	298.0	298.0	0.0	0.0
1980	AN	232.2	232.2	0.0	0.0
1981	D	394.5	397.0	2.5	0.6
1982	W	304.6	304.5	-0.2	-0.1
1983	W	166.7	166.6	-0.1	-0.1
1984	W	301.9	301.9	0.0	0.0
1985	D	489.7	497.5	7.7	1.6
1986	W	213.7	213.7	0.0	0.0
1987	D	445.6	450.7	5.1	1.1
1988	C	423.2	420.9	-2.3	-0.5
1989	D	444.8	445.1	0.3	0.1
1990	C	479.5	473.2	-6.4	-1.3
1991	C	523.7	516.2	-7.5	-1.4
Mean:		386.3	385.8	-0.4	-0.1
Median:		394.5	397.0	0.0	0.0
Min:		166.7	166.6	-7.5	-1.4
Max:		683.1	679.9	7.7	1.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

April

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	300.7	300.7	0.0	0.0
1976	C	433.0	432.3	-0.7	-0.2
1977	C	667.6	666.0	-1.6	-0.2
1978	AN	268.2	268.2	0.0	0.0
1979	BN	314.3	314.3	0.1	0.0
1980	AN	272.5	272.5	0.0	0.0
1981	D	404.8	404.9	0.1	0.0
1982	W	176.3	176.3	0.0	0.0
1983	W	176.3	176.3	0.1	0.1
1984	W	352.7	352.7	0.0	0.0
1985	D	477.0	478.5	1.4	0.3
1986	W	242.8	242.8	0.0	0.0
1987	D	394.0	396.4	2.4	0.6
1988	C	489.5	488.4	-1.1	-0.2
1989	D	304.6	304.9	0.3	0.1
1990	C	446.6	451.6	5.0	1.1
1991	C	412.2	410.9	-1.3	-0.3
Mean:		360.8	361.0	0.3	0.1
Median:		352.7	352.7	0.0	0.0
Min:		176.3	176.3	-1.6	-0.3
Max:		667.6	666.0	5.0	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	315.4	315.4	0.0	0.0
1976	C	478.3	477.9	-0.3	-0.1
1977	C	625.6	625.2	-0.4	-0.1
1978	AN	239.0	239.0	0.0	0.0
1979	BN	307.0	307.0	0.0	0.0
1980	AN	301.0	301.0	0.0	0.0
1981	D	397.7	397.8	0.0	0.0
1982	W	198.4	198.4	0.0	0.0
1983	W	175.6	175.6	0.0	0.0
1984	W	379.6	379.5	0.0	0.0
1985	D	457.9	465.7	7.9	1.7
1986	W	282.3	282.3	0.0	0.0
1987	D	463.3	463.8	0.5	0.1
1988	C	518.9	519.3	0.3	0.1
1989	D	409.2	412.1	2.9	0.7
1990	C	472.2	474.9	2.6	0.6
1991	C	424.0	423.8	-0.2	0.0
Mean:		379.1	379.9	0.8	0.2
Median:		397.7	397.8	0.0	0.0
Min:		175.6	175.6	-0.4	-0.1
Max:		625.6	625.2	7.9	1.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	305.7	305.7	0.0	0.0
1976	C	448.6	447.8	-0.8	-0.2
1977	C	562.6	576.4	13.8	2.5
1978	AN	257.6	257.6	0.0	0.0
1979	BN	291.7	291.7	0.0	0.0
1980	AN	323.4	323.8	0.4	0.1
1981	D	322.4	326.8	4.3	1.3
1982	W	258.2	258.4	0.2	0.1
1983	W	135.1	135.1	0.0	0.0
1984	W	359.1	358.9	-0.3	-0.1
1985	D	364.3	372.0	7.7	2.1
1986	W	324.1	324.4	0.3	0.1
1987	D	378.9	393.5	14.6	3.9
1988	C	435.1	445.9	10.8	2.5
1989	D	293.9	306.3	12.4	4.2
1990	C	406.3	428.9	22.7	5.6
1991	C	371.1	381.7	10.7	2.9
Mean:		343.4	349.1	5.7	1.5
Median:		324.1	326.8	0.4	0.1
Min:		135.1	135.1	-0.8	-0.2
Max:		562.6	576.4	22.7	5.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

July

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	250.7	249.9	-0.8	-0.3
1976	C	495.8	510.0	14.2	2.9
1977	C	405.6	421.6	15.9	3.9
1978	AN	245.1	244.5	-0.6	-0.2
1979	BN	259.4	258.1	-1.3	-0.5
1980	AN	284.1	284.7	0.6	0.2
1981	D	381.3	408.0	26.7	7.0
1982	W	270.0	269.8	-0.2	-0.1
1983	W	197.5	197.4	-0.1	-0.1
1984	W	270.5	269.9	-0.6	-0.2
1985	D	336.7	353.5	16.8	5.0
1986	W	278.2	274.7	-3.5	-1.3
1987	D	307.4	316.1	8.6	2.8
1988	C	392.2	401.3	9.1	2.3
1989	D	293.6	301.4	7.8	2.7
1990	C	427.6	432.3	4.8	1.1
1991	C	386.5	394.1	7.6	2.0
Mean:		322.5	328.7	6.2	1.6
Median:		293.6	301.4	4.8	1.1
Min:		197.5	197.4	-3.5	-1.3
Max:		495.8	510.0	26.7	7.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	282.8	283.8	1.0	0.4
1976	C	367.2	404.6	37.4	10.2
1977	C	354.9	357.0	2.1	0.6
1978	AN	279.6	277.9	-1.7	-0.6
1979	BN	290.5	289.9	-0.5	-0.2
1980	AN	275.3	276.9	1.7	0.6
1981	D	466.2	503.1	36.9	7.9
1982	W	270.0	268.6	-1.4	-0.5
1983	W	211.7	211.4	-0.3	-0.1
1984	W	287.0	288.2	1.2	0.4
1985	D	436.1	474.8	38.8	8.9
1986	W	295.5	296.3	0.8	0.3
1987	D	384.6	388.4	3.8	1.0
1988	C	406.6	401.9	-4.7	-1.2
1989	D	443.0	480.0	37.0	8.4
1990	C	443.9	426.5	-17.3	-3.9
1991	C	433.2	428.0	-5.1	-1.2
Mean:		348.7	356.3	7.6	1.8
Median:		354.9	357.0	1.0	0.4
Min:		211.7	211.4	-17.3	-3.9
Max:		466.2	503.1	38.8	10.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					1

Victoria Canal Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	378.9	380.5	1.6	0.4
1976	C	422.9	441.9	19.0	4.5
1977	C	401.7	389.2	-12.4	-3.1
1978	AN	370.9	370.0	-0.9	-0.2
1979	BN	377.9	378.5	0.6	0.2
1980	AN	362.3	352.4	-9.9	-2.7
1981	D	351.3	357.8	6.5	1.9
1982	W	345.6	346.2	0.5	0.1
1983	W	297.0	295.5	-1.5	-0.5
1984	W	433.7	434.9	1.2	0.3
1985	D	481.5	494.1	12.6	2.6
1986	W	375.3	376.1	0.8	0.2
1987	D	455.6	456.0	0.4	0.1
1988	C	423.8	417.5	-6.3	-1.5
1989	D	695.4	673.5	-21.9	-3.1
1990	C	422.6	407.3	-15.2	-3.6
1991	C	409.9	403.0	-6.9	-1.7
Mean:		412.1	410.3	-1.9	-0.4
Median:		401.7	389.2	0.4	0.1
Min:		297.0	295.5	-21.9	-3.6
Max:		695.4	673.5	19.0	4.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Salinity at Stockton Intake under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	EC (umhos/cm)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	399.9	388.5	372.5	388.9	360.5	317.8	325.8	338.3	273.3	276.1	303.2	368.5
NEPA Yuba Accord Alternative	397.4	387.3	371.1	388.3	359.8	317.5	326.1	339.1	277.5	282.7	310.1	366.0
Difference	-2.5	-1.2	-1.4	-0.6	-0.6	-0.3	0.3	0.8	4.2	6.6	6.9	-2.5
Percent Difference ³	-0.6	-0.3	-0.4	-0.2	-0.2	-0.1	0.1	0.2	1.5	2.4	2.3	-0.7
Water Year Types¹												
Wet												
NEPA No Action Alternative	290.5	318.1	266.9	295.5	246.2	232.3	233.8	249.8	235.8	210.7	234.9	322.3
NEPA Yuba Accord Alternative	290.0	317.2	266.2	296.6	247.2	232.0	233.8	249.7	236.0	210.7	236.2	322.6
Difference	-0.5	-0.9	-0.7	1.1	1.1	-0.3	0.0	0.0	0.2	0.0	1.3	0.2
Percent Difference	-0.2	-0.3	-0.2	0.4	0.4	-0.1	0.0	0.0	0.1	0.0	0.6	0.1
Above Normal												
NEPA No Action Alternative	475.4	427.8	383.3	335.7	248.2	267.3	252.7	245.2	261.2	220.4	243.2	331.2
NEPA Yuba Accord Alternative	471.8	427.5	383.1	335.8	248.1	267.2	252.8	245.3	261.7	221.1	244.9	321.3
Difference	-3.6	-0.3	-0.2	0.1	-0.1	0.0	0.1	0.1	0.6	0.7	1.7	-9.9
Percent Difference	-0.8	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	0.3	0.7	-3.0
Below Normal												
NEPA No Action Alternative	405.8	394.9	453.6	383.4	298.1	279.1	289.7	278.7	227.8	215.6	258.9	346.4
NEPA Yuba Accord Alternative	405.3	394.7	453.4	384.2	298.1	279.4	289.7	278.7	227.8	215.6	260.8	347.1
Difference	-0.5	-0.2	-0.3	0.8	0.0	0.3	0.0	0.0	0.0	0.1	1.9	0.6
Percent Difference	-0.1	0.0	-0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.7	0.2
Dry												
NEPA No Action Alternative	438.0	424.2	376.4	360.2	418.0	345.4	351.2	379.6	252.4	316.5	413.0	457.4
NEPA Yuba Accord Alternative	433.5	423.9	377.0	365.0	426.6	348.2	351.9	382.3	258.7	335.2	435.9	454.8
Difference	-4.4	-0.4	0.6	4.8	8.6	2.8	0.7	2.7	6.2	18.7	23.0	-2.6
Percent Difference	-1.0	-0.1	0.2	1.3	2.1	0.8	0.2	0.7	2.5	5.9	5.6	-0.6
Critical												
NEPA No Action Alternative	447.6	413.4	454.5	527.7	486.1	409.0	433.8	442.7	341.3	343.7	316.6	362.9
NEPA Yuba Accord Alternative	444.6	410.6	450.0	520.4	476.0	406.0	434.3	443.3	350.3	350.9	319.4	360.1
Difference	-3.0	-2.8	-4.5	-7.3	-10.1	-2.9	0.5	0.6	9.0	7.2	2.7	-2.8
Percent Difference	-0.7	-0.7	-1.0	-1.4	-2.1	-0.7	0.1	0.1	2.6	2.1	0.9	-0.8

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Stockton Intake Salinity

October

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	150.8	150.8	0.0	0.0
1976	C	314.9	314.4	-0.5	-0.2
1977	C	529.2	533.7	4.5	0.9
1978	AN	504.6	498.0	-6.6	-1.3
1979	BN	405.8	405.3	-0.5	-0.1
1980	AN	446.3	445.6	-0.7	-0.2
1981	D	379.1	364.0	-15.1	-4.0
1982	W	390.3	391.3	1.0	0.3
1983	W	236.3	235.6	-0.7	-0.3
1984	W	233.2	233.2	-0.1	0.0
1985	D	451.9	451.1	-0.9	-0.2
1986	W	441.6	438.9	-2.8	-0.6
1987	D	433.8	436.1	2.3	0.5
1988	C	481.8	480.5	-1.4	-0.3
1989	D	487.1	483.0	-4.0	-0.8
1990	C	459.3	450.0	-9.4	-2.0
1991	C	452.7	444.4	-8.3	-1.8
Mean:		399.9	397.4	-2.5	-0.6
Median:		441.6	438.9	-0.7	-0.2
Min:		150.8	150.8	-15.1	-4.0
Max:		529.2	533.7	4.5	0.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	315.0	315.0	0.0	0.0
1976	C	314.0	313.2	-0.8	-0.3
1977	C	451.1	450.2	-0.9	-0.2
1978	AN	472.8	471.6	-1.2	-0.3
1979	BN	394.9	394.7	-0.2	-0.1
1980	AN	382.7	383.4	0.6	0.2
1981	D	375.8	370.7	-5.1	-1.4
1982	W	422.9	422.4	-0.5	-0.1
1983	W	255.3	254.8	-0.4	-0.2
1984	W	185.6	185.6	0.0	0.0
1985	D	448.2	451.6	3.5	0.8
1986	W	411.7	408.0	-3.7	-0.9
1987	D	403.0	404.5	1.4	0.3
1988	C	433.4	432.3	-1.2	-0.3
1989	D	469.9	468.7	-1.3	-0.3
1990	C	397.9	393.8	-4.1	-1.0
1991	C	470.7	463.7	-7.0	-1.5
Mean:		388.5	387.3	-1.2	-0.3
Median:		403.0	404.5	-0.8	-0.2
Min:		185.6	185.6	-7.0	-1.5
Max:		472.8	471.6	3.5	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	406.6	406.5	-0.1	0.0
1976	C	484.3	473.3	-11.0	-2.3
1977	C	478.0	476.3	-1.7	-0.4
1978	AN	417.3	416.5	-0.8	-0.2
1979	BN	453.6	453.4	-0.3	-0.1
1980	AN	349.3	349.8	0.5	0.1
1981	D	402.6	399.7	-2.9	-0.7
1982	W	226.6	226.9	0.3	0.1
1983	W	161.9	161.6	-0.4	-0.2
1984	W	157.0	156.9	-0.1	-0.1
1985	D	249.3	251.0	1.7	0.7
1986	W	382.2	379.2	-3.0	-0.8
1987	D	425.5	429.3	3.8	0.9
1988	C	473.8	469.9	-4.0	-0.8
1989	D	428.2	427.9	-0.4	-0.1
1990	C	393.9	392.6	-1.3	-0.3
1991	C	442.3	438.1	-4.2	-0.9
Mean:		372.5	371.1	-1.4	-0.3
Median:		406.6	406.5	-0.4	-0.2
Min:		157.0	156.9	-11.0	-2.3
Max:		484.3	476.3	3.8	0.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	475.0	482.5	7.6	1.6
1976	C	539.9	528.5	-11.4	-2.1
1977	C	596.1	594.4	-1.7	-0.3
1978	AN	417.4	417.2	-0.2	0.0
1979	BN	383.4	384.2	0.8	0.2
1980	AN	254.0	254.3	0.3	0.1
1981	D	313.6	316.9	3.3	1.1
1982	W	315.5	314.9	-0.6	-0.2
1983	W	157.8	157.4	-0.4	-0.3
1984	W	156.6	156.6	0.0	0.0
1985	D	258.1	263.0	4.9	1.9
1986	W	372.4	371.4	-1.0	-0.3
1987	D	400.1	411.6	11.5	2.9
1988	C	557.5	551.6	-5.8	-1.0
1989	D	469.0	468.6	-0.4	-0.1
1990	C	465.4	451.2	-14.3	-3.1
1991	C	479.6	476.0	-3.6	-0.8
Mean:		388.9	388.3	-0.6	0.0
Median:		400.1	411.6	-0.4	-0.1
Min:		156.6	156.6	-14.3	-3.1
Max:		596.1	594.4	11.5	2.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

February

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	393.6	399.7	6.1	1.5
1976	C	512.2	501.0	-11.2	-2.2
1977	C	569.1	565.7	-3.4	-0.6
1978	AN	327.6	327.6	0.0	0.0
1979	BN	298.1	298.1	0.0	0.0
1980	AN	168.7	168.5	-0.3	-0.2
1981	D	287.1	295.1	8.0	2.8
1982	W	212.3	212.0	-0.3	-0.1
1983	W	141.8	141.3	-0.5	-0.4
1984	W	225.1	225.1	0.0	0.0
1985	D	379.7	396.0	16.3	4.3
1986	W	258.1	258.0	-0.2	-0.1
1987	D	439.8	450.1	10.3	2.3
1988	C	314.0	313.1	-0.9	-0.3
1989	D	565.3	565.2	-0.1	0.0
1990	C	507.6	481.9	-25.7	-5.1
1991	C	527.7	518.3	-9.4	-1.8
Mean:		360.5	359.8	-0.7	0.0
Median:		327.6	327.6	-0.2	-0.1
Min:		141.8	141.3	-25.7	-5.1
Max:		569.1	565.7	16.3	4.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	277.8	278.0	0.1	0.0
1976	C	362.5	360.3	-2.3	-0.6
1977	C	556.8	554.9	-1.9	-0.3
1978	AN	325.7	325.7	0.0	0.0
1979	BN	279.1	279.4	0.3	0.1
1980	AN	208.8	208.7	-0.1	0.0
1981	D	328.7	330.0	1.4	0.4
1982	W	256.6	255.8	-0.8	-0.3
1983	W	160.5	160.1	-0.4	-0.2
1984	W	270.1	270.1	0.0	0.0
1985	D	405.7	410.8	5.1	1.3
1986	W	196.7	196.1	-0.5	-0.3
1987	D	337.3	341.3	4.0	1.2
1988	C	356.8	354.8	-2.0	-0.6
1989	D	310.0	310.5	0.5	0.2
1990	C	361.6	358.9	-2.7	-0.7
1991	C	407.0	401.2	-5.8	-1.4
Mean:		317.8	317.5	-0.3	-0.1
Median:		325.7	325.7	-0.1	0.0
Min:		160.5	160.1	-5.8	-1.4
Max:		556.8	554.9	5.1	1.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	279.4	279.4	0.0	0.0
1976	C	394.1	393.7	-0.4	-0.1
1977	C	572.0	571.2	-0.8	-0.1
1978	AN	246.8	246.8	0.0	0.0
1979	BN	289.6	289.7	0.0	0.0
1980	AN	258.5	258.7	0.2	0.1
1981	D	356.0	356.2	0.2	0.1
1982	W	173.9	173.9	0.0	0.0
1983	W	174.9	174.7	-0.2	-0.1
1984	W	321.3	321.3	0.0	0.0
1985	D	412.1	412.7	0.6	0.1
1986	W	219.6	219.8	0.2	0.1
1987	D	358.3	360.3	2.0	0.6
1988	C	426.9	427.2	0.3	0.1
1989	D	278.4	278.6	0.2	0.1
1990	C	394.2	398.2	4.0	1.0
1991	C	381.6	381.0	-0.6	-0.2
Mean:		325.7	326.1	0.3	0.1
Median:		321.3	321.3	0.0	0.0
Min:		173.9	173.9	-0.8	-0.2
Max:		572.0	571.2	4.0	1.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	286.1	286.1	0.0	0.0
1976	C	427.3	426.9	-0.4	-0.1
1977	C	549.3	550.0	0.7	0.1
1978	AN	218.0	218.0	0.0	0.0
1979	BN	278.7	278.7	0.0	0.0
1980	AN	272.4	272.5	0.1	0.0
1981	D	359.4	360.0	0.6	0.2
1982	W	186.6	186.6	0.0	0.0
1983	W	172.4	172.2	-0.2	-0.1
1984	W	340.5	340.3	-0.2	-0.1
1985	D	392.9	395.7	2.8	0.7
1986	W	263.3	263.4	0.1	0.0
1987	D	420.9	420.4	-0.6	-0.1
1988	C	456.8	456.5	-0.3	-0.1
1989	D	345.2	353.1	7.9	2.3
1990	C	414.4	416.9	2.5	0.6
1991	C	365.9	366.3	0.4	0.1
Mean:		338.2	339.0	0.8	0.2
Median:		345.2	353.1	0.0	0.0
Min:		172.4	172.2	-0.6	-0.1
Max:		549.3	550.0	7.9	2.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	252.1	252.1	0.0	0.0
1976	C	406.4	405.6	-0.8	-0.2
1977	C	400.0	411.2	11.2	2.8
1978	AN	240.5	240.5	0.0	0.0
1979	BN	227.8	227.8	0.0	0.0
1980	AN	281.8	282.9	1.1	0.4
1981	D	245.7	251.0	5.2	2.1
1982	W	240.4	240.8	0.4	0.2
1983	W	137.7	137.7	0.0	0.0
1984	W	260.8	260.5	-0.3	-0.1
1985	D	267.1	272.1	5.0	1.9
1986	W	288.0	288.8	0.7	0.2
1987	D	272.1	283.4	11.3	4.2
1988	C	315.1	326.5	11.3	3.6
1989	D	224.8	228.3	3.5	1.6
1990	C	306.9	321.6	14.7	4.8
1991	C	278.0	286.6	8.5	3.1
Mean:		273.3	277.5	4.2	1.4
Median:		267.1	272.1	1.1	0.4
Min:		137.7	137.7	-0.8	-0.2
Max:		406.4	411.2	14.7	4.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

July

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	205.3	205.1	-0.2	-0.1
1976	C	428.3	453.1	24.8	5.8
1977	C	305.0	312.8	7.9	2.6
1978	AN	212.4	212.5	0.0	0.0
1979	BN	215.5	215.6	0.1	0.0
1980	AN	228.4	229.7	1.3	0.6
1981	D	386.8	418.4	31.5	8.1
1982	W	214.0	214.2	0.2	0.1
1983	W	192.2	192.1	-0.2	-0.1
1984	W	219.2	219.2	0.1	0.0
1985	D	323.3	345.5	22.3	6.9
1986	W	222.7	222.9	0.2	0.1
1987	D	278.3	284.8	6.5	2.3
1988	C	299.9	302.8	2.9	1.0
1989	D	277.8	292.2	14.5	5.2
1990	C	359.3	355.5	-3.8	-1.1
1991	C	325.9	330.1	4.3	1.3
Mean:		276.1	282.7	6.6	1.9
Median:		277.8	284.8	1.3	0.6
Min:		192.2	192.1	-3.8	-1.1
Max:		428.3	453.1	31.5	8.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Salinity

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	253.9	256.0	2.2	0.9
1976	C	302.4	334.4	32.0	10.6
1977	C	291.6	289.6	-2.0	-0.7
1978	AN	238.8	239.6	0.8	0.3
1979	BN	258.9	260.8	1.9	0.7
1980	AN	247.6	250.2	2.5	1.0
1981	D	402.9	430.8	27.9	6.9
1982	W	224.8	225.8	1.0	0.4
1983	W	188.6	188.1	-0.5	-0.3
1984	W	265.0	266.6	1.6	0.6
1985	D	413.0	446.8	33.8	8.2
1986	W	242.1	244.4	2.3	1.0
1987	D	359.1	361.9	2.8	0.8
1988	C	315.3	312.0	-3.3	-1.0
1989	D	476.8	504.2	27.4	5.7
1990	C	335.3	325.7	-9.6	-2.9
1991	C	338.5	335.0	-3.4	-1.0
Mean:		303.2	310.1	6.9	1.8
Median:		291.6	289.6	1.9	0.7
Min:		188.6	188.1	-9.6	-2.9
Max:		476.8	504.2	33.8	10.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					1

Stockton Intake Salinity

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		EC (umhos/cm)	EC (umhos/cm)		
1975	W	329.3	330.5	1.2	0.4
1976	C	430.5	445.8	15.3	3.6
1977	C	347.5	332.9	-14.7	-4.2
1978	AN	339.6	339.1	-0.5	-0.1
1979	BN	346.4	347.1	0.6	0.2
1980	AN	322.8	303.4	-19.4	-6.0
1981	D	313.1	317.9	4.7	1.5
1982	W	277.6	278.4	0.8	0.3
1983	W	261.2	259.7	-1.6	-0.6
1984	W	406.8	406.9	0.0	0.0
1985	D	443.7	453.0	9.4	2.1
1986	W	336.7	337.3	0.6	0.2
1987	D	434.8	436.2	1.4	0.3
1988	C	352.2	348.4	-3.8	-1.1
1989	D	638.0	612.0	-26.0	-4.1
1990	C	348.4	340.4	-7.9	-2.3
1991	C	336.0	332.9	-3.1	-0.9
Mean:		368.5	366.0	-2.5	-0.6
Median:		346.4	339.1	0.0	0.0
Min:		261.2	259.7	-26.0	-6.0
Max:		638.0	612.0	15.3	3.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Chlorides at the Old River at Hwy 4 (CCWD Los Vaqueros) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Chlorides (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	143.4	125.8	116.1	109.5	80.4	49.8	40.3	42.2	45.3	58.3	82.8	123.9
NEPA Yuba Accord Alternative	140.6	124.4	115.2	109.2	80.0	49.6	40.3	42.4	46.7	61.9	87.1	123.1
Difference	-2.8	-1.3	-0.9	-0.3	-0.4	-0.2	0.0	0.2	1.4	3.6	4.3	-0.8
Percent Difference ³	-1.9	-1.1	-0.8	-0.3	-0.4	-0.5	0.0	0.5	3.0	6.2	5.2	-0.7
Water Year Types¹												
Wet												
NEPA No Action Alternative	70.5	72.7	63.7	58.8	35.8	27.6	24.6	26.8	21.2	17.8	40.4	94.4
NEPA Yuba Accord Alternative	70.7	72.2	63.4	59.4	36.4	27.6	24.6	26.8	21.2	17.9	41.2	94.3
Difference	0.2	-0.5	-0.4	0.6	0.6	0.0	0.0	0.0	0.0	0.1	0.8	-0.1
Percent Difference	0.2	-0.6	-0.6	1.0	1.6	0.0	0.0	0.0	-0.1	0.6	1.9	-0.1
Above Normal												
NEPA No Action Alternative	171.1	130.7	116.1	76.4	41.4	32.5	33.4	31.6	24.7	21.5	47.2	110.3
NEPA Yuba Accord Alternative	167.2	129.6	116.0	76.4	41.4	32.5	33.4	31.6	24.7	21.7	48.2	103.6
Difference	-4.0	-1.2	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	1.0	-6.7
Percent Difference	-2.3	-0.9	-0.1	0.1	0.0	0.0	0.0	0.0	0.1	1.3	2.2	-6.1
Below Normal												
NEPA No Action Alternative	173.6	148.9	163.1	103.6	37.1	29.8	30.4	30.8	21.3	24.0	56.1	117.1
NEPA Yuba Accord Alternative	173.0	148.7	163.0	104.0	37.2	29.9	30.4	30.8	21.3	24.2	57.3	117.4
Difference	-0.6	-0.2	-0.1	0.5	0.1	0.1	0.0	0.0	0.0	0.1	1.2	0.4
Percent Difference	-0.4	-0.1	-0.1	0.5	0.2	0.2	0.1	0.0	0.0	0.6	2.1	0.3
Dry												
NEPA No Action Alternative	166.7	149.8	116.3	95.4	102.0	47.7	35.5	43.3	38.4	83.0	145.7	171.1
NEPA Yuba Accord Alternative	159.9	148.1	116.2	97.6	104.6	48.3	35.6	44.1	40.6	92.6	159.2	173.2
Difference	-6.8	-1.7	-0.1	2.2	2.5	0.7	0.1	0.8	2.3	9.6	13.5	2.1
Percent Difference	-4.1	-1.1	-0.1	2.3	2.5	1.4	0.4	1.8	5.9	11.5	9.2	1.2
Critical												
NEPA No Action Alternative	180.3	153.1	158.7	186.0	131.9	84.8	64.8	63.4	88.1	100.6	94.4	122.5
NEPA Yuba Accord Alternative	177.9	150.8	156.3	182.5	128.1	83.4	64.6	63.5	91.0	104.9	96.9	120.7
Difference	-2.4	-2.2	-2.5	-3.5	-3.8	-1.3	-0.1	0.1	2.9	4.3	2.5	-1.8
Percent Difference	-1.4	-1.5	-1.5	-1.9	-2.9	-1.6	-0.2	0.1	3.3	4.3	2.6	-1.5

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	7.0	7.0	0.0	0.0
1976	C	80.3	79.8	-0.5	-0.6
1977	C	250.0	250.0	0.0	0.0
1978	AN	161.9	154.5	-7.5	-4.6
1979	BN	173.6	173.0	-0.6	-0.3
1980	AN	180.3	179.8	-0.5	-0.3
1981	D	147.4	123.0	-24.4	-16.6
1982	W	125.5	126.1	0.6	0.5
1983	W	35.7	35.6	-0.2	-0.6
1984	W	26.4	26.0	-0.3	-1.1
1985	D	179.7	179.2	-0.6	-0.3
1986	W	158.1	158.7	0.7	0.4
1987	D	159.5	159.6	0.1	0.1
1988	C	199.2	197.6	-1.6	-0.8
1989	D	180.3	178.0	-2.3	-1.3
1990	C	190.8	185.6	-5.2	-2.7
1991	C	181.2	176.3	-4.9	-2.7
Mean:		143.4	140.6	-2.8	-1.8
Median:		161.9	159.6	-0.5	-0.6
Min:		7.0	7.0	-24.4	-16.6
Max:		250.0	250.0	0.7	0.5
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	69.8	69.8	0.0	0.0
1976	C	83.5	82.2	-1.3	-1.6
1977	C	210.5	207.9	-2.6	-1.2
1978	AN	131.4	129.2	-2.2	-1.7
1979	BN	148.9	148.7	-0.2	-0.1
1980	AN	130.0	129.9	-0.1	-0.1
1981	D	128.5	121.4	-7.1	-5.5
1982	W	138.5	138.1	-0.3	-0.2
1983	W	17.1	17.1	0.0	0.0
1984	W	18.4	18.3	-0.1	-0.5
1985	D	151.0	152.6	1.6	1.1
1986	W	119.6	117.6	-2.0	-1.7
1987	D	134.7	134.5	-0.2	-0.1
1988	C	153.1	151.8	-1.3	-0.8
1989	D	185.1	184.1	-1.0	-0.5
1990	C	136.9	135.0	-1.9	-1.4
1991	C	181.3	177.1	-4.2	-2.3
Mean:		125.8	124.4	-1.3	-1.0
Median:		134.7	134.5	-1.0	-0.5
Min:		17.1	17.1	-7.1	-5.5
Max:		210.5	207.9	1.6	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	136.0	136.0	-0.1	-0.1
1976	C	174.4	169.1	-5.3	-3.0
1977	C	178.9	177.6	-1.3	-0.7
1978	AN	134.2	133.7	-0.5	-0.4
1979	BN	163.1	163.0	-0.1	-0.1
1980	AN	98.0	98.2	0.3	0.3
1981	D	138.4	136.1	-2.3	-1.7
1982	W	29.1	29.2	0.0	0.0
1983	W	26.7	26.7	0.0	0.0
1984	W	8.6	8.6	0.0	0.0
1985	D	33.9	34.4	0.5	1.5
1986	W	118.2	116.4	-1.8	-1.5
1987	D	147.9	149.6	1.6	1.1
1988	C	164.6	162.7	-1.9	-1.2
1989	D	145.1	144.7	-0.4	-0.3
1990	C	126.6	125.9	-0.7	-0.6
1991	C	149.0	146.0	-3.0	-2.0
Mean:		116.0	115.2	-0.9	-0.5
Median:		136.0	136.0	-0.4	-0.3
Min:		8.6	8.6	-5.3	-3.0
Max:		178.9	177.6	1.6	1.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	155.8	159.2	3.4	2.2
1976	C	194.1	189.1	-5.0	-2.6
1977	C	249.8	248.4	-1.3	-0.5
1978	AN	105.1	105.0	-0.1	-0.1
1979	BN	103.6	104.0	0.5	0.5
1980	AN	47.6	47.8	0.2	0.4
1981	D	73.4	74.9	1.5	2.0
1982	W	40.3	40.3	0.0	0.0
1983	W	13.0	13.0	0.0	0.0
1984	W	16.8	16.8	0.0	0.0
1985	D	34.7	36.2	1.5	4.3
1986	W	68.0	67.5	-0.6	-0.9
1987	D	119.4	125.5	6.1	5.1
1988	C	174.4	171.4	-3.1	-1.8
1989	D	154.2	153.9	-0.3	-0.2
1990	C	149.8	143.5	-6.3	-4.2
1991	C	161.6	160.0	-1.7	-1.1
Mean:		109.5	109.2	-0.3	0.2
Median:		105.1	105.0	0.0	0.0
Min:		13.0	13.0	-6.3	-4.2
Max:		249.8	248.4	6.1	5.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	64.3	66.8	2.5	3.9
1976	C	160.1	154.6	-5.6	-3.5
1977	C	196.8	194.3	-2.5	-1.3
1978	AN	40.7	40.7	0.0	0.0
1979	BN	37.1	37.2	0.1	0.3
1980	AN	42.1	42.1	0.0	0.0
1981	D	38.4	40.2	1.8	4.7
1982	W	29.7	29.7	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	24.7	24.7	0.0	0.0
1985	D	64.6	68.6	4.0	6.2
1986	W	53.4	53.7	0.3	0.6
1987	D	122.5	126.8	4.3	3.5
1988	C	44.4	44.1	-0.4	-0.9
1989	D	182.6	182.6	-0.1	-0.1
1990	C	91.3	85.2	-6.2	-6.8
1991	C	166.9	162.5	-4.4	-2.6
Mean:		80.4	80.0	-0.4	0.2
Median:		53.4	53.7	0.0	0.0
Min:		7.0	7.0	-6.2	-6.8
Max:		196.8	194.3	4.3	6.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	29.4	29.5	0.1	0.3
1976	C	55.9	55.3	-0.6	-1.1
1977	C	160.4	158.8	-1.5	-0.9
1978	AN	37.2	37.2	0.0	0.0
1979	BN	29.8	29.9	0.0	0.0
1980	AN	27.7	27.7	0.0	0.0
1981	D	32.8	33.2	0.4	1.2
1982	W	31.8	31.7	0.0	0.0
1983	W	12.5	12.5	0.0	0.0
1984	W	24.3	24.3	0.0	0.0
1985	D	60.8	62.3	1.5	2.5
1986	W	40.0	40.0	0.0	0.0
1987	D	48.2	48.8	0.6	1.2
1988	C	45.3	44.7	-0.6	-1.3
1989	D	48.8	48.9	0.1	0.2
1990	C	57.0	56.0	-1.1	-1.9
1991	C	105.3	102.4	-2.9	-2.8
Mean:		49.8	49.6	-0.2	-0.2
Median:		40.0	40.0	0.0	0.0
Min:		12.5	12.5	-2.9	-2.8
Max:		160.4	158.8	1.5	2.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	28.6	28.6	0.0	0.0
1976	C	44.5	44.3	-0.2	-0.4
1977	C	135.5	134.9	-0.6	-0.4
1978	AN	39.2	39.2	0.0	0.0
1979	BN	30.4	30.4	0.0	0.0
1980	AN	27.6	27.6	0.0	0.0
1981	D	33.1	33.2	0.0	0.0
1982	W	14.1	14.1	0.0	0.0
1983	W	15.2	15.2	0.0	0.0
1984	W	28.8	28.8	0.0	0.0
1985	D	46.1	46.3	0.3	0.7
1986	W	36.2	36.2	0.0	0.0
1987	D	35.7	35.9	0.2	0.6
1988	C	47.9	47.7	-0.2	-0.4
1989	D	27.0	27.0	0.0	0.0
1990	C	51.1	51.8	0.7	1.4
1991	C	44.8	44.5	-0.2	-0.4
Mean:		40.3	40.3	0.0	0.1
Median:		35.7	35.9	0.0	0.0
Min:		14.1	14.1	-0.6	-0.4
Max:		135.5	134.9	0.7	1.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	30.0	30.0	0.0	0.0
1976	C	52.4	52.2	-0.3	-0.6
1977	C	119.2	119.1	-0.1	-0.1
1978	AN	30.9	30.9	0.0	0.0
1979	BN	30.8	30.8	0.0	0.0
1980	AN	32.2	32.2	0.0	0.0
1981	D	39.2	39.2	0.0	0.0
1982	W	20.3	20.3	0.0	0.0
1983	W	13.7	13.7	0.0	0.0
1984	W	38.9	38.9	0.0	0.0
1985	D	49.9	51.8	1.9	3.8
1986	W	30.9	30.9	0.0	0.0
1987	D	47.6	47.7	0.1	0.2
1988	C	54.0	54.0	0.0	0.0
1989	D	36.6	37.7	1.1	3.0
1990	C	49.3	50.0	0.6	1.2
1991	C	42.0	42.0	0.0	0.0
Mean:		42.2	42.4	0.2	0.4
Median:		38.9	38.9	0.0	0.0
Min:		13.7	13.7	-0.3	-0.6
Max:		119.2	119.1	1.9	3.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	19.5	19.5	0.0	0.0
1976	C	126.8	126.4	-0.4	-0.3
1977	C	117.8	122.2	4.4	3.7
1978	AN	20.6	20.6	0.0	0.0
1979	BN	21.3	21.3	0.0	0.0
1980	AN	28.8	28.9	0.0	0.0
1981	D	35.9	37.9	2.0	5.6
1982	W	16.3	16.3	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	33.8	33.6	-0.2	-0.6
1985	D	41.9	44.1	2.2	5.3
1986	W	29.3	29.4	0.0	0.0
1987	D	47.6	51.7	4.0	8.4
1988	C	75.1	77.0	1.9	2.5
1989	D	27.9	28.8	0.9	3.2
1990	C	68.5	73.8	5.4	7.9
1991	C	52.4	55.6	3.1	5.9
Mean:		45.3	46.7	1.4	2.4
Median:		33.8	33.6	0.0	0.0
Min:		7.0	7.0	-0.4	-0.6
Max:		126.8	126.4	5.4	8.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	15.7	15.8	0.0	0.0
1976	C	153.4	166.9	13.5	8.8
1977	C	80.3	85.0	4.7	5.9
1978	AN	18.5	18.6	0.1	0.5
1979	BN	24.0	24.2	0.2	0.8
1980	AN	24.5	24.9	0.4	1.6
1981	D	121.5	137.4	16.0	13.2
1982	W	16.0	15.9	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	27.1	27.3	0.1	0.4
1985	D	86.8	98.3	11.5	13.2
1986	W	23.3	23.7	0.4	1.7
1987	D	62.7	65.8	3.1	4.9
1988	C	72.2	73.7	1.5	2.1
1989	D	61.0	68.8	7.8	12.8
1990	C	108.9	107.6	-1.3	-1.2
1991	C	88.4	91.4	3.0	3.4
Mean:		58.3	61.9	3.6	4.0
Median:		61.0	65.8	0.4	1.7
Min:		7.0	7.0	-1.3	-1.2
Max:		153.4	166.9	16.0	13.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					3

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	55.6	56.9	1.3	2.3
1976	C	89.5	110.9	21.4	23.9
1977	C	78.6	78.3	-0.3	-0.4
1978	AN	42.4	43.0	0.6	1.4
1979	BN	56.1	57.3	1.2	2.1
1980	AN	51.9	53.3	1.4	2.7
1981	D	147.4	164.2	16.7	11.3
1982	W	34.9	35.5	0.6	1.7
1983	W	9.3	8.9	-0.4	-4.3
1984	W	60.0	61.0	1.0	1.7
1985	D	147.0	166.7	19.7	13.4
1986	W	42.4	43.6	1.2	2.8
1987	D	117.8	118.9	1.1	0.9
1988	C	88.7	87.4	-1.3	-1.5
1989	D	170.7	187.1	16.3	9.5
1990	C	104.5	99.1	-5.4	-5.2
1991	C	110.8	108.7	-2.1	-1.9
Mean:		82.8	87.1	4.3	3.6
Median:		78.6	78.3	1.1	1.7
Min:		9.3	8.9	-5.4	-5.2
Max:		170.7	187.1	21.4	23.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					3

Old River at Hwy 4 (CCWD Los Vaqueros) Chlorides

September					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	113.3	114.0	0.7	0.6
1976	C	162.4	171.6	9.2	5.7
1977	C	114.5	104.7	-9.7	-8.5
1978	AN	114.2	113.9	-0.3	-0.3
1979	BN	117.0	117.4	0.4	0.3
1980	AN	106.3	93.2	-13.1	-12.3
1981	D	94.5	97.3	2.8	3.0
1982	W	73.7	74.2	0.5	0.7
1983	W	19.9	18.2	-1.7	-8.6
1984	W	152.7	152.7	-0.1	-0.1
1985	D	174.8	180.2	5.4	3.1
1986	W	112.3	112.5	0.2	0.2
1987	D	165.1	165.1	0.0	0.0
1988	C	112.4	110.5	-1.8	-1.6
1989	D	250.0	250.0	0.0	0.0
1990	C	115.6	110.8	-4.9	-4.2
1991	C	107.8	106.0	-1.7	-1.6
Mean:		123.9	123.1	-0.8	-1.4
Median:		114.2	112.5	0.0	0.0
Min:		19.9	18.2	-13.1	-12.3
Max:		250.0	250.0	9.2	5.7
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Chlorides at CCWD Pumping Plant #1 (Rock Slough) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Chlorides (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	169.5	149.6	134.0	127.6	98.6	66.9	58.5	45.0	47.8	70.9	102.2	142.6
NEPA Yuba Accord Alternative	166.0	148.0	133.1	127.6	98.4	66.7	58.5	45.2	49.0	74.5	107.4	141.8
Difference	-3.6	-1.6	-0.9	-0.1	-0.2	-0.2	0.0	0.2	1.2	3.6	5.2	-0.8
Percent Difference ³	-2.1	-1.0	-0.7	0.0	-0.2	-0.3	0.1	0.4	2.5	5.1	5.1	-0.5
Water Year Types¹												
Wet												
NEPA No Action Alternative	81.3	91.9	84.7	93.6	69.7	61.3	63.3	32.4	24.0	24.7	50.2	112.6
NEPA Yuba Accord Alternative	81.8	91.4	84.2	93.9	70.7	61.4	63.3	32.4	23.9	24.8	51.3	112.7
Difference	0.5	-0.5	-0.5	0.3	1.0	0.0	0.0	0.0	0.0	0.2	1.1	0.1
Percent Difference	0.6	-0.6	-0.6	0.3	1.4	0.0	0.0	0.0	-0.1	0.7	2.1	0.1
Above Normal												
NEPA No Action Alternative	209.7	145.4	129.7	115.0	75.1	45.9	41.1	33.2	25.9	26.6	57.6	126.7
NEPA Yuba Accord Alternative	204.7	144.1	129.5	115.1	75.1	45.9	41.1	33.2	25.9	26.8	59.0	120.1
Difference	-5.0	-1.3	-0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	1.4	-6.5
Percent Difference	-2.4	-0.9	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	2.4	-5.1
Below Normal												
NEPA No Action Alternative	216.0	177.4	187.8	124.4	50.4	31.0	44.5	33.7	24.2	28.3	68.5	135.7
NEPA Yuba Accord Alternative	215.2	177.1	187.5	124.7	50.6	31.1	44.6	33.7	24.2	28.5	70.1	136.3
Difference	-0.8	-0.2	-0.4	0.3	0.2	0.1	0.2	0.0	0.0	0.2	1.6	0.6
Percent Difference	-0.4	-0.1	-0.2	0.2	0.5	0.4	0.4	0.0	0.0	0.7	2.3	0.5
Dry												
NEPA No Action Alternative	202.4	180.8	134.8	106.8	105.6	63.1	46.8	44.2	35.0	99.7	176.5	191.6
NEPA Yuba Accord Alternative	193.0	178.3	134.7	109.4	108.9	64.0	46.9	44.7	36.6	110.5	192.9	194.2
Difference	-9.4	-2.5	-0.1	2.6	3.3	0.9	0.1	0.5	1.6	10.7	16.4	2.6
Percent Difference	-4.6	-1.4	-0.1	2.4	3.1	1.4	0.3	1.1	4.5	10.8	9.3	1.4
Critical												
NEPA No Action Alternative	206.2	178.3	173.5	183.9	140.9	91.1	72.8	65.2	95.5	120.4	119.3	141.1
NEPA Yuba Accord Alternative	203.2	176.1	171.2	181.3	136.6	89.6	72.8	65.4	98.3	123.8	122.1	138.8
Difference	-3.0	-2.2	-2.3	-2.7	-4.3	-1.5	0.0	0.2	2.8	3.4	2.8	-2.3
Percent Difference	-1.5	-1.2	-1.3	-1.5	-3.0	-1.7	0.0	0.4	3.0	2.8	2.4	-1.6

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

CCWD Pumping Plant #1 (Rock Slough) Chlorides

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	4.2	4.2	0.0	0.0
1976	C	92.0	91.4	-0.6	-0.7
1977	C	250.0	250.0	0.0	0.0
1978	AN	206.9	197.7	-9.2	-4.4
1979	BN	216.0	215.2	-0.8	-0.4
1980	AN	212.4	211.6	-0.8	-0.4
1981	D	185.7	152.0	-33.7	-18.1
1982	W	138.1	139.2	1.0	0.7
1983	W	44.2	43.9	-0.2	-0.5
1984	W	26.0	25.8	-0.2	-0.8
1985	D	214.4	213.6	-0.8	-0.4
1986	W	193.8	195.8	2.0	1.0
1987	D	193.8	193.7	-0.1	-0.1
1988	C	240.8	238.8	-2.0	-0.8
1989	D	215.7	212.8	-2.9	-1.3
1990	C	224.7	218.8	-5.8	-2.6
1991	C	223.5	216.9	-6.6	-3.0
Mean:		169.5	166.0	-3.6	-1.9
Median:		206.9	197.7	-0.8	-0.5
Min:		4.2	4.2	-33.7	-18.1
Max:		250.0	250.0	2.0	1.0
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	72.8	72.8	0.0	0.0
1976	C	91.0	89.5	-1.4	-1.5
1977	C	250.0	250.0	0.0	0.0
1978	AN	137.3	134.8	-2.4	-1.7
1979	BN	177.4	177.1	-0.2	-0.1
1980	AN	153.6	153.4	-0.2	-0.1
1981	D	152.4	142.7	-9.7	-6.4
1982	W	172.8	172.3	-0.5	-0.3
1983	W	38.3	38.2	0.0	0.0
1984	W	28.5	28.5	0.0	0.0
1985	D	193.5	195.0	1.4	0.7
1986	W	147.3	145.2	-2.1	-1.4
1987	D	157.2	156.8	-0.4	-0.3
1988	C	174.1	172.4	-1.7	-1.0
1989	D	219.9	218.7	-1.3	-0.6
1990	C	156.0	153.9	-2.1	-1.3
1991	C	220.3	214.6	-5.7	-2.6
Mean:		149.5	148.0	-1.5	-1.0
Median:		156.0	153.9	-0.5	-0.3
Min:		28.5	28.5	-9.7	-6.4
Max:		250.0	250.0	1.4	0.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	147.6	147.4	-0.1	-0.1
1976	C	167.7	164.3	-3.3	-2.0
1977	C	209.6	207.9	-1.8	-0.9
1978	AN	147.3	146.9	-0.4	-0.3
1979	BN	187.8	187.5	-0.4	-0.2
1980	AN	112.0	112.1	0.1	0.1
1981	D	160.3	158.4	-1.9	-1.2
1982	W	28.9	28.9	0.0	0.0
1983	W	60.0	60.0	0.0	0.0
1984	W	53.4	53.3	0.0	0.0
1985	D	37.5	38.6	1.1	2.9
1986	W	133.8	131.5	-2.3	-1.7
1987	D	176.1	177.0	0.9	0.5
1988	C	177.7	175.5	-2.2	-1.2
1989	D	165.2	164.7	-0.4	-0.2
1990	C	145.4	144.6	-0.8	-0.6
1991	C	167.1	163.6	-3.5	-2.1
Mean:		134.0	133.1	-0.9	-0.4
Median:		147.6	147.4	-0.4	-0.2
Min:		28.9	28.9	-3.5	-2.1
Max:		209.6	207.9	1.1	2.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	151.3	154.0	2.7	1.8
1976	C	185.8	182.7	-3.1	-1.7
1977	C	250.0	250.0	0.0	0.0
1978	AN	159.7	159.6	-0.1	-0.1
1979	BN	124.4	124.7	0.3	0.2
1980	AN	70.3	70.6	0.4	0.6
1981	D	81.6	83.5	1.9	2.3
1982	W	69.9	69.9	0.0	0.0
1983	W	119.6	119.6	0.0	0.0
1984	W	27.9	27.9	0.0	0.0
1985	D	40.2	43.6	3.4	8.5
1986	W	99.4	98.3	-1.2	-1.2
1987	D	135.2	140.7	5.5	4.1
1988	C	148.0	145.6	-2.4	-1.6
1989	D	170.3	169.8	-0.5	-0.3
1990	C	144.4	139.2	-5.2	-3.6
1991	C	191.5	188.7	-2.8	-1.5
Mean:		127.6	127.6	-0.1	0.4
Median:		135.2	139.2	0.0	0.0
Min:		27.9	27.9	-5.2	-3.6
Max:		250.0	250.0	5.5	8.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	106.5	110.9	4.4	4.1
1976	C	150.6	146.9	-3.6	-2.4
1977	C	205.3	202.4	-2.9	-1.4
1978	AN	64.1	64.1	0.0	0.0
1979	BN	50.4	50.6	0.2	0.4
1980	AN	86.2	86.2	0.0	0.0
1981	D	46.7	50.8	4.1	8.8
1982	W	40.0	40.0	0.0	0.0
1983	W	96.2	96.2	0.0	0.0
1984	W	28.1	28.1	0.0	0.0
1985	D	87.3	93.0	5.6	6.4
1986	W	77.6	78.0	0.4	0.5
1987	D	117.0	120.6	3.6	3.1
1988	C	47.3	46.8	-0.5	-1.1
1989	D	171.2	171.0	-0.2	-0.1
1990	C	124.9	116.2	-8.7	-7.0
1991	C	176.4	170.7	-5.6	-3.2
Mean:		98.6	98.4	-0.2	0.5
Median:		87.3	93.0	0.0	0.0
Min:		28.1	28.1	-8.7	-7.0
Max:		205.3	202.4	5.6	8.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	43.3	43.5	0.2	0.5
1976	C	75.1	74.5	-0.6	-0.8
1977	C	149.7	148.2	-1.5	-1.0
1978	AN	53.8	53.8	0.0	0.0
1979	BN	31.0	31.1	0.1	0.3
1980	AN	38.0	38.0	0.0	0.0
1981	D	29.8	30.3	0.5	1.7
1982	W	48.2	48.1	-0.1	-0.2
1983	W	111.0	111.0	0.0	0.0
1984	W	26.4	26.4	0.0	0.0
1985	D	80.1	82.3	2.2	2.7
1986	W	77.9	77.9	0.0	0.0
1987	D	65.7	66.4	0.7	1.1
1988	C	40.8	40.1	-0.8	-2.0
1989	D	76.9	76.9	0.0	0.0
1990	C	76.2	74.6	-1.6	-2.1
1991	C	113.9	110.8	-3.1	-2.7
Mean:		66.9	66.7	-0.2	-0.1
Median:		65.7	66.4	0.0	0.0
Min:		26.4	26.4	-3.1	-2.7
Max:		149.7	148.2	2.2	2.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	48.9	48.9	0.0	0.0
1976	C	66.6	66.4	-0.2	-0.3
1977	C	118.3	117.8	-0.5	-0.4
1978	AN	43.2	43.2	0.0	0.0
1979	BN	44.5	44.6	0.2	0.4
1980	AN	38.9	38.9	0.0	0.0
1981	D	44.3	44.4	0.1	0.2
1982	W	54.8	54.8	0.0	0.0
1983	W	111.5	111.5	0.0	0.0
1984	W	43.1	43.1	0.0	0.0
1985	D	60.1	60.4	0.3	0.5
1986	W	58.4	58.4	0.0	0.0
1987	D	55.7	55.8	0.1	0.2
1988	C	64.2	63.6	-0.6	-0.9
1989	D	27.0	27.0	0.0	0.0
1990	C	61.9	63.3	1.4	2.3
1991	C	53.0	52.7	-0.2	-0.4
Mean:		58.5	58.5	0.0	0.1
Median:		54.8	54.8	0.0	0.0
Min:		27.0	27.0	-0.6	-0.9
Max:		118.3	117.8	1.4	2.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	31.9	31.9	0.0	0.0
1976	C	67.5	66.8	-0.7	-1.0
1977	C	102.9	103.3	0.4	0.4
1978	AN	33.1	33.1	0.0	0.0
1979	BN	33.7	33.7	0.0	0.0
1980	AN	33.3	33.3	0.0	0.0
1981	D	42.7	42.7	0.0	0.0
1982	W	24.6	24.6	0.0	0.0
1983	W	27.6	27.6	0.0	0.0
1984	W	45.2	45.1	0.0	0.0
1985	D	55.9	57.2	1.3	2.3
1986	W	32.6	32.6	0.0	0.0
1987	D	48.5	48.6	0.1	0.2
1988	C	65.7	65.7	0.0	0.0
1989	D	29.7	30.2	0.5	1.7
1990	C	48.8	50.2	1.5	3.1
1991	C	41.1	41.2	0.0	0.0
Mean:		45.0	45.2	0.2	0.4
Median:		41.1	41.2	0.0	0.0
Min:		24.6	24.6	-0.7	-1.0
Max:		102.9	103.3	1.5	3.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	22.8	22.8	0.0	0.0
1976	C	152.5	152.1	-0.5	-0.3
1977	C	122.9	128.7	5.9	4.8
1978	AN	25.2	25.2	0.0	0.0
1979	BN	24.2	24.2	0.0	0.0
1980	AN	26.7	26.7	0.0	0.0
1981	D	35.2	37.5	2.3	6.5
1982	W	22.4	22.4	0.0	0.0
1983	W	19.3	19.3	0.0	0.0
1984	W	27.9	27.7	-0.1	-0.4
1985	D	35.1	36.8	1.6	4.6
1986	W	27.3	27.3	0.0	0.0
1987	D	41.0	43.7	2.7	6.6
1988	C	76.0	76.7	0.8	1.1
1989	D	28.6	28.3	-0.3	-1.0
1990	C	74.4	79.8	5.3	7.1
1991	C	51.4	54.2	2.8	5.4
Mean:		47.8	49.0	1.2	2.0
Median:		28.6	28.3	0.0	0.0
Min:		19.3	19.3	-0.5	-1.0
Max:		152.5	152.1	5.9	7.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

CCWD Pumping Plant #1 (Rock Slough) Chlorides

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	23.8	23.9	0.1	0.4
1976	C	185.2	199.7	14.5	7.8
1977	C	88.1	92.7	4.6	5.2
1978	AN	25.3	25.4	0.1	0.4
1979	BN	28.3	28.5	0.2	0.7
1980	AN	27.9	28.2	0.3	1.1
1981	D	144.7	162.7	18.0	12.4
1982	W	22.1	22.1	0.0	0.0
1983	W	19.9	19.9	0.0	0.0
1984	W	30.9	31.2	0.3	1.0
1985	D	104.1	117.4	13.4	12.9
1986	W	26.6	27.1	0.5	1.9
1987	D	74.8	77.9	3.1	4.1
1988	C	80.9	81.3	0.4	0.5
1989	D	75.2	83.8	8.5	11.3
1990	C	136.3	131.7	-4.6	-3.4
1991	C	111.4	113.5	2.0	1.8
Mean:		70.9	74.5	3.6	3.4
Median:		74.8	77.9	0.4	1.1
Min:		19.9	19.9	-4.6	-3.4
Max:		185.2	199.7	18.0	12.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					3

CCWD Pumping Plant #1 (Rock Slough) Chlorides

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	67.5	69.2	1.7	2.5
1976	C	113.7	141.4	27.7	24.4
1977	C	98.6	96.8	-1.8	-1.8
1978	AN	51.2	52.2	1.0	2.0
1979	BN	68.5	70.1	1.6	2.3
1980	AN	64.0	65.8	1.8	2.8
1981	D	187.6	208.5	20.9	11.1
1982	W	40.6	41.5	1.0	2.5
1983	W	21.8	21.5	-0.2	-0.9
1984	W	72.4	73.6	1.2	1.7
1985	D	174.4	198.3	23.9	13.7
1986	W	48.8	50.5	1.6	3.3
1987	D	143.2	144.5	1.3	0.9
1988	C	113.2	111.6	-1.5	-1.3
1989	D	200.9	220.2	19.3	9.6
1990	C	130.1	123.3	-6.8	-5.2
1991	C	140.8	137.4	-3.4	-2.4
Mean:		102.2	107.4	5.3	3.8
Median:		98.6	96.8	1.3	2.3
Min:		21.8	21.5	-6.8	-5.2
Max:		200.9	220.2	27.7	24.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					3

CCWD Pumping Plant #1 (Rock Slough) Chlorides

September					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	137.7	138.6	0.9	0.7
1976	C	150.2	163.1	12.9	8.6
1977	C	145.3	131.5	-13.8	-9.5
1978	AN	129.5	129.4	-0.1	-0.1
1979	BN	135.7	136.3	0.6	0.4
1980	AN	123.8	110.9	-12.9	-10.4
1981	D	117.6	121.3	3.7	3.1
1982	W	87.0	87.6	0.6	0.7
1983	W	24.3	23.1	-1.2	-4.9
1984	W	181.0	180.9	-0.1	-0.1
1985	D	206.5	213.6	7.1	3.4
1986	W	133.2	133.3	0.1	0.1
1987	D	192.3	192.0	-0.3	-0.2
1988	C	136.6	134.2	-2.3	-1.7
1989	D	250.0	250.0	0.0	0.0
1990	C	140.9	135.0	-5.9	-4.2
1991	C	132.5	130.2	-2.2	-1.7
Mean:		142.6	141.8	-0.8	-0.9
Median:		136.6	134.2	-0.1	-0.1
Min:		24.3	23.1	-13.8	-10.4
Max:		250.0	250.0	12.9	8.6
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Chlorides at the Old River at Rock Slough (CCWD Intake) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Chlorides (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	164.9	140.1	133.6	116.1	80.3	43.0	32.4	34.2	40.4	65.9	98.8	149.5
NEPA Yuba Accord Alternative	161.5	138.5	132.6	115.9	79.8	42.8	32.5	34.4	41.6	70.3	103.4	147.9
Difference	-3.4	-1.7	-1.0	-0.2	-0.6	-0.2	0.0	0.2	1.2	4.3	4.6	-1.6
Percent Difference ³	-2.1	-1.2	-0.8	-0.2	-0.7	-0.5	0.0	0.6	3.1	6.5	4.6	-1.1
Water Year Types¹												
Wet												
NEPA No Action Alternative	75.5	75.3	72.4	62.6	30.2	24.3	23.3	23.3	12.4	14.4	47.0	112.1
NEPA Yuba Accord Alternative	75.7	74.8	71.9	63.5	30.9	24.3	23.3	23.3	12.4	14.7	48.2	111.9
Difference	0.2	-0.5	-0.5	0.9	0.6	0.0	0.0	0.0	0.0	0.4	1.2	-0.2
Percent Difference	0.2	-0.7	-0.7	1.4	2.0	0.0	0.0	0.0	-0.3	2.5	2.5	-0.2
Above Normal												
NEPA No Action Alternative	206.5	135.9	133.6	66.8	34.2	25.6	27.6	26.0	15.5	18.4	55.2	137.4
NEPA Yuba Accord Alternative	202.0	134.8	133.6	66.9	34.2	25.6	27.6	26.0	15.5	18.9	56.6	127.6
Difference	-4.5	-1.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5	1.4	-9.8
Percent Difference	-2.2	-0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.6	2.6	-7.2
Below Normal												
NEPA No Action Alternative	209.6	178.6	187.5	101.1	33.1	26.1	25.7	26.3	11.6	22.6	66.5	146.1
NEPA Yuba Accord Alternative	208.8	178.4	187.4	101.8	33.2	26.2	25.7	26.3	11.6	23.0	68.1	146.3
Difference	-0.8	-0.2	-0.2	0.7	0.1	0.1	0.1	0.0	0.0	0.4	1.7	0.3
Percent Difference	-0.4	-0.1	-0.1	0.7	0.3	0.3	0.2	0.0	0.0	1.8	2.5	0.2
Dry												
NEPA No Action Alternative	197.8	170.1	128.9	102.9	108.9	41.1	26.3	32.4	29.0	102.1	177.4	193.6
NEPA Yuba Accord Alternative	189.1	168.1	128.9	105.8	111.7	41.6	26.4	32.9	30.4	114.8	192.1	195.6
Difference	-8.6	-2.0	0.0	2.9	2.9	0.6	0.1	0.5	1.5	12.7	14.7	2.0
Percent Difference	-4.4	-1.2	0.0	2.8	2.6	1.4	0.3	1.5	5.0	12.4	8.3	1.1
Critical												
NEPA No Action Alternative	202.4	175.0	187.8	202.9	135.5	73.5	49.8	51.3	93.1	116.3	111.7	157.2
NEPA Yuba Accord Alternative	199.4	172.0	184.8	198.8	130.6	72.2	49.7	51.6	96.2	120.2	113.4	154.1
Difference	-3.0	-3.0	-2.9	-4.1	-4.9	-1.3	0.0	0.3	3.1	3.9	1.8	-3.1
Percent Difference	-1.5	-1.7	-1.6	-2.0	-3.6	-1.7	-0.1	0.6	3.3	3.3	1.6	-1.9

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Old River at Rock Slough (CCWD Intake) Chlorides

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	7.0	7.0	0.0	0.0
1976	C	85.9	85.3	-0.6	-0.7
1977	C	250.0	250.0	0.0	0.0
1978	AN	199.6	191.3	-8.3	-4.2
1979	BN	209.6	208.8	-0.8	-0.4
1980	AN	213.3	212.7	-0.6	-0.3
1981	D	175.8	145.1	-30.8	-17.5
1982	W	144.6	145.1	0.5	0.3
1983	W	33.6	33.4	-0.2	-0.6
1984	W	16.6	16.3	-0.3	-1.8
1985	D	209.4	208.7	-0.7	-0.3
1986	W	175.8	176.6	0.8	0.5
1987	D	184.2	184.1	-0.1	-0.1
1988	C	232.8	230.5	-2.3	-1.0
1989	D	221.6	218.7	-2.9	-1.3
1990	C	215.6	210.4	-5.2	-2.4
1991	C	227.6	220.8	-6.8	-3.0
Mean:		164.9	161.5	-3.4	-1.9
Median:		199.6	191.3	-0.6	-0.6
Min:		7.0	7.0	-30.8	-17.5
Max:		250.0	250.0	0.8	0.5
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	78.9	78.9	0.0	0.0
1976	C	97.0	95.1	-1.9	-2.0
1977	C	247.0	243.2	-3.9	-1.6
1978	AN	130.0	128.1	-2.0	-1.5
1979	BN	178.6	178.4	-0.2	-0.1
1980	AN	141.7	141.6	-0.2	-0.1
1981	D	152.6	144.0	-8.6	-5.6
1982	W	149.4	149.0	-0.4	-0.3
1983	W	10.9	10.9	0.0	0.0
1984	W	12.8	12.8	0.0	0.0
1985	D	164.4	166.4	2.0	1.2
1986	W	124.5	122.3	-2.2	-1.8
1987	D	153.5	153.0	-0.4	-0.3
1988	C	168.4	166.7	-1.6	-1.0
1989	D	209.9	208.8	-1.1	-0.5
1990	C	151.0	149.1	-1.9	-1.3
1991	C	211.6	205.8	-5.8	-2.7
Mean:		140.1	138.5	-1.7	-1.0
Median:		151.0	149.0	-1.1	-0.5
Min:		10.9	10.9	-8.6	-5.6
Max:		247.0	243.2	2.0	1.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	163.1	163.1	-0.1	-0.1
1976	C	210.6	204.1	-6.5	-3.1
1977	C	222.0	220.3	-1.7	-0.8
1978	AN	154.7	154.2	-0.5	-0.3
1979	BN	187.5	187.4	-0.2	-0.1
1980	AN	112.5	112.9	0.4	0.4
1981	D	154.6	152.1	-2.6	-1.7
1982	W	23.7	23.8	0.0	0.0
1983	W	29.2	29.2	0.0	0.0
1984	W	11.5	11.5	0.0	0.0
1985	D	29.3	29.8	0.6	2.1
1986	W	134.5	132.2	-2.3	-1.7
1987	D	169.6	172.2	2.6	1.5
1988	C	196.0	193.5	-2.6	-1.3
1989	D	162.0	161.6	-0.4	-0.2
1990	C	144.6	143.9	-0.8	-0.6
1991	C	165.5	162.4	-3.1	-1.9
Mean:		133.6	132.6	-1.0	-0.5
Median:		154.7	154.2	-0.4	-0.2
Min:		11.5	11.5	-6.5	-3.1
Max:		222.0	220.3	2.6	2.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	176.4	181.3	4.9	2.8
1976	C	217.5	211.6	-5.9	-2.7
1977	C	250.0	250.0	0.0	0.0
1978	AN	90.3	90.2	-0.1	-0.1
1979	BN	101.1	101.8	0.7	0.7
1980	AN	43.4	43.6	0.3	0.7
1981	D	70.9	73.3	2.4	3.4
1982	W	29.6	29.6	0.0	0.0
1983	W	19.6	19.6	0.0	0.0
1984	W	19.3	19.3	0.0	0.0
1985	D	34.1	36.1	2.0	5.9
1986	W	67.9	67.4	-0.5	-0.7
1987	D	128.8	136.4	7.6	5.9
1988	C	182.3	179.0	-3.3	-1.8
1989	D	177.8	177.5	-0.3	-0.2
1990	C	175.3	166.8	-8.5	-4.8
1991	C	189.4	186.7	-2.7	-1.4
Mean:		116.1	115.9	-0.2	0.5
Median:		101.1	101.8	0.0	0.0
Min:		19.3	19.3	-8.5	-4.8
Max:		250.0	250.0	7.6	5.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	60.0	62.8	2.8	4.7
1976	C	167.0	160.9	-6.2	-3.7
1977	C	202.1	198.6	-3.5	-1.7
1978	AN	30.4	30.4	0.0	0.0
1979	BN	33.1	33.2	0.1	0.3
1980	AN	38.1	38.1	0.0	0.0
1981	D	34.4	36.5	2.1	6.1
1982	W	23.7	23.7	0.0	0.0
1983	W	9.2	9.2	0.0	0.0
1984	W	20.3	20.3	0.0	0.0
1985	D	70.0	74.8	4.8	6.9
1986	W	38.0	38.3	0.2	0.5
1987	D	127.9	132.6	4.7	3.7
1988	C	34.7	34.4	-0.3	-0.9
1989	D	203.1	203.0	-0.1	0.0
1990	C	91.9	85.1	-6.8	-7.4
1991	C	181.5	174.0	-7.6	-4.2
Mean:		80.3	79.7	-0.6	0.3
Median:		38.1	38.3	0.0	0.0
Min:		9.2	9.2	-7.6	-7.4
Max:		203.1	203.0	4.8	6.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	24.3	24.3	0.1	0.4
1976	C	48.4	47.8	-0.5	-1.0
1977	C	137.9	136.3	-1.6	-1.2
1978	AN	29.2	29.2	0.0	0.0
1979	BN	26.1	26.2	0.1	0.4
1980	AN	21.9	21.9	0.0	0.0
1981	D	25.4	25.8	0.4	1.6
1982	W	25.1	25.1	-0.1	-0.4
1983	W	14.4	14.3	0.0	0.0
1984	W	19.4	19.4	0.0	0.0
1985	D	55.9	57.3	1.4	2.5
1986	W	38.6	38.6	0.0	0.0
1987	D	41.6	42.1	0.4	1.0
1988	C	30.6	30.3	-0.3	-1.0
1989	D	41.3	41.4	0.1	0.2
1990	C	50.2	49.1	-1.0	-2.0
1991	C	100.5	97.6	-2.9	-2.9
Mean:		43.0	42.7	-0.2	-0.1
Median:		30.6	30.3	0.0	0.0
Min:		14.4	14.3	-2.9	-2.9
Max:		137.9	136.3	1.4	2.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	24.5	24.5	0.0	0.0
1976	C	34.1	33.9	-0.2	-0.6
1977	C	106.0	105.4	-0.5	-0.5
1978	AN	32.1	32.1	0.0	0.0
1979	BN	25.7	25.7	0.1	0.4
1980	AN	23.1	23.1	0.0	0.0
1981	D	24.2	24.2	0.0	0.0
1982	W	18.3	18.3	0.0	0.0
1983	W	17.8	17.8	0.0	0.0
1984	W	22.5	22.5	0.0	0.0
1985	D	34.0	34.1	0.2	0.6
1986	W	33.7	33.7	0.0	0.0
1987	D	26.1	26.2	0.1	0.4
1988	C	36.2	36.0	-0.1	-0.3
1989	D	20.8	20.8	0.0	0.0
1990	C	39.0	39.8	0.8	2.1
1991	C	33.7	33.5	-0.2	-0.6
Mean:		32.4	32.5	0.0	0.1
Median:		26.1	26.2	0.0	0.0
Min:		17.8	17.8	-0.5	-0.6
Max:		106.0	105.4	0.8	2.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	25.2	25.2	0.0	0.0
1976	C	46.9	46.5	-0.4	-0.9
1977	C	98.1	98.9	0.8	0.8
1978	AN	25.0	25.0	0.0	0.0
1979	BN	26.3	26.3	0.0	0.0
1980	AN	26.9	26.9	0.0	0.0
1981	D	31.6	31.7	0.0	0.0
1982	W	17.9	17.9	0.0	0.0
1983	W	15.8	15.7	0.0	0.0
1984	W	32.2	32.2	0.0	0.0
1985	D	38.6	39.8	1.3	3.4
1986	W	25.4	25.4	0.0	0.0
1987	D	34.8	34.9	0.1	0.3
1988	C	44.0	44.0	0.0	0.0
1989	D	24.7	25.2	0.5	2.0
1990	C	36.5	37.5	1.0	2.7
1991	C	30.8	30.9	0.1	0.3
Mean:		34.2	34.4	0.2	0.5
Median:		30.8	30.9	0.0	0.0
Min:		15.8	15.7	-0.4	-0.9
Max:		98.1	98.9	1.3	3.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	8.9	8.9	0.0	0.0
1976	C	155.6	155.1	-0.4	-0.3
1977	C	115.9	122.6	6.7	5.8
1978	AN	14.1	14.1	0.0	0.0
1979	BN	11.5	11.5	0.0	0.0
1980	AN	17.0	17.0	0.0	0.0
1981	D	29.8	32.3	2.4	8.0
1982	W	9.3	9.3	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	18.9	18.7	-0.2	-1.1
1985	D	28.7	30.1	1.4	4.9
1986	W	17.9	17.9	0.0	0.0
1987	D	35.0	37.9	2.8	8.0
1988	C	71.5	72.4	0.9	1.3
1989	D	22.3	21.5	-0.8	-3.6
1990	C	73.9	79.1	5.3	7.2
1991	C	48.5	51.5	3.0	6.2
Mean:		40.3	41.6	1.2	2.1
Median:		22.3	21.5	0.0	0.0
Min:		7.0	7.0	-0.8	-3.6
Max:		155.6	155.1	6.7	8.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) Chlorides

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	11.8	12.0	0.2	1.7
1976	C	176.0	195.1	19.0	10.8
1977	C	82.2	86.6	4.4	5.4
1978	AN	16.1	16.4	0.3	1.9
1979	BN	22.6	23.0	0.4	1.8
1980	AN	20.7	21.3	0.6	2.9
1981	D	153.7	174.5	20.8	13.5
1982	W	9.5	9.6	0.1	1.1
1983	W	7.0	7.0	0.0	0.0
1984	W	25.2	25.5	0.3	1.2
1985	D	107.0	122.5	15.5	14.5
1986	W	18.3	19.5	1.1	6.0
1987	D	74.6	77.9	3.2	4.3
1988	C	76.7	76.6	-0.1	-0.1
1989	D	72.9	84.1	11.2	15.4
1990	C	134.5	129.1	-5.4	-4.0
1991	C	112.2	113.7	1.5	1.3
Mean:		65.9	70.3	4.3	4.6
Median:		72.9	76.6	0.6	1.9
Min:		7.0	7.0	-5.4	-4.0
Max:		176.0	195.1	20.8	15.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					4

Old River at Rock Slough (CCWD Intake) Chlorides

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	67.8	69.7	1.9	2.8
1976	C	101.8	127.3	25.5	25.0
1977	C	96.3	93.3	-3.0	-3.1
1978	AN	48.1	49.1	1.0	2.1
1979	BN	66.5	68.1	1.7	2.6
1980	AN	62.3	64.2	1.9	3.1
1981	D	168.0	186.1	18.1	10.8
1982	W	38.9	40.0	1.0	2.6
1983	W	7.1	7.0	-0.1	-1.4
1984	W	74.7	76.0	1.3	1.7
1985	D	177.5	200.1	22.6	12.7
1986	W	46.7	48.3	1.6	3.4
1987	D	144.5	145.4	0.9	0.6
1988	C	106.4	104.0	-2.4	-2.3
1989	D	219.7	237.0	17.3	7.9
1990	C	120.7	113.4	-7.3	-6.0
1991	C	133.2	129.1	-4.1	-3.1
Mean:		98.8	103.4	4.6	3.5
Median:		96.3	93.3	1.3	2.6
Min:		7.1	7.0	-7.3	-6.0
Max:		219.7	237.0	25.5	25.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					3

Old River at Rock Slough (CCWD Intake) Chlorides

September					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	135.2	135.9	0.7	0.5
1976	C	209.9	220.1	10.2	4.9
1977	C	153.9	139.3	-14.6	-9.5
1978	AN	142.8	142.4	-0.4	-0.3
1979	BN	146.0	146.3	0.3	0.2
1980	AN	132.1	112.8	-19.3	-14.6
1981	D	110.6	113.5	2.9	2.6
1982	W	84.6	85.1	0.5	0.6
1983	W	12.8	10.7	-2.2	-17.2
1984	W	188.0	187.6	-0.4	-0.2
1985	D	209.5	215.3	5.7	2.7
1986	W	139.8	139.9	0.1	0.1
1987	D	204.0	203.6	-0.5	-0.2
1988	C	141.6	139.1	-2.5	-1.8
1989	D	250.0	250.0	0.0	0.0
1990	C	145.1	138.8	-6.2	-4.3
1991	C	135.4	133.3	-2.1	-1.6
Mean:		149.5	147.9	-1.6	-2.2
Median:		142.8	139.3	-0.4	-0.2
Min:		12.8	10.7	-19.3	-17.2
Max:		250.0	250.0	10.2	4.9
# Years Rel Diff <= -10%					2
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Chlorides at West Canal at the mouth of CCF (SWP Banks) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Chlorides (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	108.1	102.3	91.5	89.3	70.0	50.0	40.9	42.3	46.5	49.3	64.3	92.1
NEPA Yuba Accord Alternative	106.3	101.2	90.8	89.0	69.8	49.7	40.8	42.3	47.2	51.8	68.0	91.5
Difference	-1.8	-1.1	-0.7	-0.3	-0.2	-0.2	0.0	-0.1	0.7	2.5	3.7	-0.6
Percent Difference ³	-1.7	-1.1	-0.8	-0.4	-0.3	-0.5	-0.1	-0.1	1.6	5.2	5.8	-0.7
Water Year Types¹												
Wet												
NEPA No Action Alternative	56.8	61.0	49.5	49.7	31.8	23.8	22.5	26.2	27.6	21.6	33.4	72.5
NEPA Yuba Accord Alternative	56.9	60.6	49.3	49.9	32.3	23.8	22.5	26.2	27.6	21.5	33.9	72.6
Difference	0.2	-0.4	-0.2	0.2	0.5	0.0	0.0	0.0	0.0	-0.1	0.5	0.1
Percent Difference	0.3	-0.6	-0.5	0.5	1.5	0.0	0.0	0.0	0.0	-0.4	1.5	0.1
Above Normal												
NEPA No Action Alternative	123.0	114.2	91.7	69.3	27.8	32.0	27.5	27.5	29.3	24.8	38.4	79.3
NEPA Yuba Accord Alternative	119.6	112.6	91.6	69.3	27.8	32.0	27.5	27.5	29.3	24.9	39.1	75.7
Difference	-3.4	-1.6	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	-3.6
Percent Difference	-2.8	-1.4	-0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.4	2.0	-4.5
Below Normal												
NEPA No Action Alternative	128.5	110.5	127.4	87.5	36.3	31.4	32.5	32.6	28.8	25.0	44.3	83.0
NEPA Yuba Accord Alternative	128.0	110.4	127.3	87.7	36.4	31.4	32.5	32.6	28.8	24.9	45.0	83.4
Difference	-0.4	-0.1	-0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.4
Percent Difference	-0.4	-0.1	-0.1	0.3	0.2	0.1	0.1	0.0	0.0	-0.1	1.7	0.4
Dry												
NEPA No Action Alternative	123.5	119.1	96.4	80.2	86.8	52.9	39.8	43.5	44.2	62.0	107.1	132.8
NEPA Yuba Accord Alternative	118.9	117.7	96.1	81.6	88.8	53.6	39.9	43.4	46.2	68.3	117.9	132.2
Difference	-4.6	-1.4	-0.3	1.3	2.1	0.8	0.2	-0.1	2.0	6.3	10.8	-0.5
Percent Difference	-3.7	-1.2	-0.3	1.7	2.4	1.4	0.5	-0.3	4.4	10.1	10.0	-0.4
Critical												
NEPA No Action Alternative	137.1	123.9	122.5	144.7	118.3	84.7	67.1	65.5	77.7	81.4	75.3	86.2
NEPA Yuba Accord Alternative	135.8	122.3	120.6	142.2	115.5	83.3	66.8	65.4	78.6	85.1	78.4	85.8
Difference	-1.3	-1.6	-1.9	-2.4	-2.9	-1.4	-0.3	-0.1	0.9	3.7	3.1	-0.4
Percent Difference	-1.0	-1.3	-1.6	-1.7	-2.4	-1.7	-0.4	-0.1	1.2	4.5	4.1	-0.4

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

West Canal at the mouth of CCF (SWP Banks) Chlorides

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	7.0	7.0	0.0	0.0
1976	C	68.7	68.3	-0.3	-0.4
1977	C	192.5	195.0	2.5	1.3
1978	AN	111.6	105.2	-6.5	-5.8
1979	BN	128.4	128.0	-0.4	-0.3
1980	AN	134.4	134.0	-0.4	-0.3
1981	D	110.7	94.0	-16.7	-15.1
1982	W	97.0	97.7	0.7	0.7
1983	W	32.0	31.9	-0.1	-0.3
1984	W	20.9	20.8	-0.1	-0.5
1985	D	136.5	136.1	-0.4	-0.3
1986	W	126.9	127.3	0.5	0.4
1987	D	123.0	123.1	0.1	0.1
1988	C	150.9	149.9	-1.0	-0.7
1989	D	123.9	122.5	-1.4	-1.1
1990	C	151.6	146.7	-4.9	-3.2
1991	C	121.9	119.1	-2.8	-2.3
Mean:		108.1	106.3	-1.8	-1.6
Median:		123.0	122.5	-0.4	-0.3
Min:		7.0	7.0	-16.7	-15.1
Max:		192.5	195.0	2.5	1.3
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	56.2	56.2	0.0	0.0
1976	C	66.3	65.7	-0.6	-0.9
1977	C	164.5	163.1	-1.4	-0.9
1978	AN	118.5	115.4	-3.1	-2.6
1979	BN	110.5	110.4	-0.1	-0.1
1980	AN	109.9	109.9	-0.1	-0.1
1981	D	97.4	91.6	-5.8	-6.0
1982	W	114.4	114.2	-0.2	-0.2
1983	W	21.7	21.7	0.0	0.0
1984	W	8.3	8.3	0.0	0.0
1985	D	122.5	123.5	1.0	0.8
1986	W	104.2	102.6	-1.6	-1.5
1987	D	108.2	108.3	0.1	0.1
1988	C	129.2	128.2	-1.0	-0.8
1989	D	148.3	147.4	-0.9	-0.6
1990	C	114.7	112.8	-1.9	-1.7
1991	C	144.8	141.7	-3.1	-2.1
Mean:		102.3	101.2	-1.1	-1.0
Median:		110.5	110.4	-0.6	-0.6
Min:		8.3	8.3	-5.8	-6.0
Max:		164.5	163.1	1.0	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	101.6	101.5	0.0	0.0
1976	C	127.4	123.8	-3.7	-2.9
1977	C	130.3	129.3	-1.0	-0.8
1978	AN	105.3	104.9	-0.4	-0.4
1979	BN	127.4	127.3	-0.1	-0.1
1980	AN	78.1	78.3	0.1	0.1
1981	D	112.2	110.2	-2.0	-1.8
1982	W	33.5	33.5	0.0	0.0
1983	W	11.0	11.0	0.0	0.0
1984	W	7.6	7.6	0.0	0.0
1985	D	37.3	37.8	0.5	1.3
1986	W	93.9	92.8	-1.1	-1.2
1987	D	116.3	116.9	0.7	0.6
1988	C	122.7	121.5	-1.2	-1.0
1989	D	119.6	119.3	-0.3	-0.3
1990	C	101.5	100.9	-0.6	-0.6
1991	C	130.5	127.4	-3.1	-2.4
Mean:		91.5	90.8	-0.7	-0.6
Median:		105.3	104.9	-0.3	-0.3
Min:		7.6	7.6	-3.7	-2.9
Max:		130.5	129.3	0.7	1.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	121.7	123.5	1.8	1.5
1976	C	153.7	150.1	-3.6	-2.3
1977	C	181.6	181.0	-0.7	-0.4
1978	AN	98.8	98.8	-0.1	-0.1
1979	BN	87.5	87.7	0.2	0.2
1980	AN	39.7	39.9	0.2	0.5
1981	D	68.6	69.4	0.7	1.0
1982	W	41.5	41.4	0.0	0.0
1983	W	8.6	8.7	0.0	0.0
1984	W	10.0	10.0	0.0	0.0
1985	D	34.0	35.0	1.0	2.9
1986	W	66.6	66.0	-0.6	-0.9
1987	D	100.5	104.4	3.9	3.9
1988	C	147.0	144.6	-2.5	-1.7
1989	D	117.8	117.6	-0.2	-0.2
1990	C	113.1	109.3	-3.7	-3.3
1991	C	127.9	126.2	-1.6	-1.3
Mean:		89.3	89.0	-0.3	0.0
Median:		98.8	98.8	0.0	0.0
Min:		8.6	8.7	-3.7	-3.3
Max:		181.6	181.0	3.9	3.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	65.6	67.8	2.2	3.4
1976	C	134.5	130.2	-4.3	-3.2
1977	C	174.1	172.7	-1.4	-0.8
1978	AN	43.2	43.2	0.0	0.0
1979	BN	36.3	36.4	0.1	0.3
1980	AN	12.3	12.4	0.0	0.0
1981	D	41.3	42.8	1.6	3.9
1982	W	27.0	27.0	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	23.2	23.2	0.0	0.0
1985	D	58.6	61.9	3.3	5.6
1986	W	36.3	36.4	0.1	0.3
1987	D	104.0	107.5	3.4	3.3
1988	C	53.7	53.1	-0.6	-1.1
1989	D	143.2	143.2	-0.1	-0.1
1990	C	91.2	85.4	-5.7	-6.3
1991	C	138.0	135.8	-2.2	-1.6
Mean:		70.0	69.8	-0.2	0.2
Median:		53.7	53.1	0.0	0.0
Min:		7.0	7.0	-5.7	-6.3
Max:		174.1	172.7	3.4	5.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	32.2	32.3	0.1	0.3
1976	C	62.1	61.3	-0.8	-1.3
1977	C	151.1	149.7	-1.4	-0.9
1978	AN	39.8	39.8	0.0	0.0
1979	BN	31.4	31.4	0.0	0.0
1980	AN	24.1	24.1	0.0	0.0
1981	D	39.3	39.8	0.5	1.3
1982	W	30.2	30.2	0.0	0.0
1983	W	10.4	10.4	0.0	0.0
1984	W	28.4	28.4	0.0	0.0
1985	D	63.0	64.7	1.7	2.7
1986	W	17.7	17.7	0.0	0.0
1987	D	54.3	55.1	0.8	1.5
1988	C	50.1	49.1	-1.0	-2.0
1989	D	54.9	54.9	0.1	0.2
1990	C	61.8	60.3	-1.6	-2.6
1991	C	98.5	96.1	-2.4	-2.4
Mean:		50.0	49.7	-0.2	-0.2
Median:		39.8	39.8	0.0	0.0
Min:		10.4	10.4	-2.4	-2.6
Max:		151.1	149.7	1.7	2.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	30.8	30.8	0.0	0.0
1976	C	47.6	47.5	-0.2	-0.4
1977	C	135.2	134.3	-0.9	-0.7
1978	AN	27.6	27.6	0.0	0.0
1979	BN	32.4	32.5	0.0	0.0
1980	AN	27.3	27.3	0.0	0.0
1981	D	38.6	38.6	0.0	0.0
1982	W	13.5	13.5	0.0	0.0
1983	W	13.3	13.3	0.0	0.0
1984	W	32.3	32.3	0.0	0.0
1985	D	52.6	53.0	0.4	0.8
1986	W	22.7	22.7	0.0	0.0
1987	D	39.7	40.0	0.3	0.8
1988	C	52.3	51.8	-0.5	-1.0
1989	D	28.2	28.2	0.1	0.4
1990	C	51.5	52.0	0.5	1.0
1991	C	48.9	48.6	-0.3	-0.6
Mean:		40.8	40.8	0.0	0.0
Median:		32.4	32.5	0.0	0.0
Min:		13.3	13.3	-0.9	-1.0
Max:		135.2	134.3	0.5	1.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	32.7	32.7	0.0	0.0
1976	C	52.3	52.1	-0.2	-0.4
1977	C	120.6	120.0	-0.5	-0.4
1978	AN	23.4	23.4	0.0	0.0
1979	BN	32.6	32.6	0.0	0.0
1980	AN	31.6	31.6	0.0	0.0
1981	D	41.6	41.6	0.0	0.0
1982	W	16.6	16.6	0.0	0.0
1983	W	12.8	12.7	0.0	0.0
1984	W	39.6	39.6	0.0	0.0
1985	D	50.5	50.1	-0.4	-0.8
1986	W	29.3	29.3	0.0	0.0
1987	D	44.1	44.3	0.2	0.5
1988	C	55.8	55.7	-0.1	-0.2
1989	D	37.6	37.4	-0.3	-0.8
1990	C	52.3	52.8	0.5	1.0
1991	C	46.4	46.3	-0.1	-0.2
Mean:		42.3	42.3	-0.1	-0.1
Median:		39.6	39.6	0.0	0.0
Min:		12.8	12.7	-0.5	-0.8
Max:		120.6	120.0	0.5	1.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	29.7	29.7	0.0	0.0
1976	C	92.5	92.2	-0.3	-0.3
1977	C	109.5	110.5	1.0	0.9
1978	AN	22.9	22.9	0.0	0.0
1979	BN	28.8	28.8	0.0	0.0
1980	AN	35.7	35.7	0.0	0.0
1981	D	39.6	40.8	1.2	3.0
1982	W	22.1	22.2	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	43.2	43.1	-0.1	-0.2
1985	D	50.6	52.2	1.6	3.2
1986	W	35.9	36.0	0.0	0.0
1987	D	52.7	55.8	3.1	5.9
1988	C	71.0	71.4	0.4	0.6
1989	D	34.0	35.9	1.9	5.6
1990	C	62.0	64.2	2.2	3.5
1991	C	53.2	54.7	1.5	2.8
Mean:		46.5	47.2	0.7	1.5
Median:		39.6	40.8	0.0	0.0
Min:		7.0	7.0	-0.3	-0.3
Max:		109.5	110.5	3.1	5.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) Chlorides

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	20.4	20.3	-0.1	-0.5
1976	C	120.4	127.7	7.3	6.1
1977	C	79.3	83.8	4.5	5.7
1978	AN	21.3	21.3	0.0	0.0
1979	BN	25.0	24.9	0.0	0.0
1980	AN	28.3	28.5	0.2	0.7
1981	D	85.8	96.8	10.9	12.7
1982	W	22.4	22.4	-0.1	-0.4
1983	W	8.7	8.7	0.0	0.0
1984	W	28.8	28.8	0.0	0.0
1985	D	64.3	71.6	7.3	11.3
1986	W	27.7	27.5	-0.2	-0.7
1987	D	50.7	53.1	2.4	4.7
1988	C	64.4	66.3	1.8	2.8
1989	D	47.2	51.6	4.4	9.3
1990	C	79.5	80.9	1.4	1.8
1991	C	63.5	66.7	3.2	5.0
Mean:		49.3	51.8	2.5	3.4
Median:		47.2	51.6	1.4	1.8
Min:		8.7	8.7	-0.2	-0.7
Max:		120.4	127.7	10.9	12.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					2

West Canal at the mouth of CCF (SWP Banks) Chlorides

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	42.7	43.6	1.0	2.3
1976	C	77.7	92.0	14.4	18.5
1977	C	62.2	64.8	2.6	4.2
1978	AN	35.3	35.8	0.5	1.4
1979	BN	44.3	45.0	0.7	1.6
1980	AN	41.5	42.5	1.0	2.4
1981	D	117.0	130.8	13.7	11.7
1982	W	30.8	31.2	0.4	1.3
1983	W	13.2	13.0	-0.2	-1.5
1984	W	45.2	45.9	0.7	1.5
1985	D	108.5	123.4	14.9	13.7
1986	W	35.2	35.9	0.7	2.0
1987	D	87.6	88.7	1.1	1.3
1988	C	66.5	67.2	0.7	1.1
1989	D	115.4	128.8	13.3	11.5
1990	C	88.0	84.9	-3.1	-3.5
1991	C	82.0	83.0	1.1	1.3
Mean:		64.3	68.0	3.7	4.2
Median:		62.2	64.8	1.0	1.6
Min:		13.2	13.0	-3.1	-3.5
Max:		117.0	130.8	14.9	18.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					4

West Canal at the mouth of CCF (SWP Banks) Chlorides

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	85.8	86.4	0.7	0.8
1976	C	108.9	116.2	7.3	6.7
1977	C	75.0	71.6	-3.5	-4.7
1978	AN	81.1	80.9	-0.2	-0.2
1979	BN	83.0	83.4	0.4	0.5
1980	AN	77.6	70.6	-7.0	-9.0
1981	D	73.7	76.1	2.4	3.3
1982	W	60.3	60.6	0.4	0.7
1983	W	27.5	26.5	-1.0	-3.6
1984	W	109.2	109.4	0.2	0.2
1985	D	128.8	133.3	4.5	3.5
1986	W	79.9	80.1	0.2	0.3
1987	D	117.1	117.4	0.3	0.3
1988	C	78.6	77.9	-0.6	-0.8
1989	D	211.5	202.2	-9.3	-4.4
1990	C	86.3	82.3	-4.0	-4.6
1991	C	82.2	81.1	-1.1	-1.3
Mean:		92.1	91.5	-0.6	-0.7
Median:		82.2	81.1	0.2	0.2
Min:		27.5	26.5	-9.3	-9.0
Max:		211.5	202.2	7.3	6.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Chlorides at the Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Chlorides (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	109.4	101.7	93.3	89.5	71.5	62.2	48.3	48.2	61.6	68.7	84.9	119.4
NEPA Yuba Accord Alternative	107.9	100.9	92.8	89.2	71.2	62.1	48.3	48.3	62.9	70.4	87.1	118.6
Difference	-1.6	-0.8	-0.5	-0.3	-0.2	-0.1	0.0	0.1	1.3	1.7	2.1	-0.8
Percent Difference ³	-1.4	-0.8	-0.5	-0.3	-0.3	-0.2	0.1	0.2	2.1	2.5	2.5	-0.7
Water Year Types¹												
Wet												
NEPA No Action Alternative	55.1	64.4	56.9	53.4	25.7	26.7	25.0	29.5	38.9	43.6	62.2	97.4
NEPA Yuba Accord Alternative	55.3	64.1	56.8	53.7	25.9	26.7	25.0	29.5	38.9	43.7	62.6	97.5
Difference	0.2	-0.3	-0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.1
Percent Difference	0.3	-0.5	-0.3	0.5	0.7	-0.1	0.0	0.0	0.0	0.1	0.6	0.1
Above Normal												
NEPA No Action Alternative	134.5	113.7	97.8	50.1	22.8	29.6	25.9	28.5	33.3	43.6	61.6	101.8
NEPA Yuba Accord Alternative	132.0	112.9	97.7	50.1	22.8	29.6	25.9	28.5	33.3	43.7	62.2	99.0
Difference	-2.5	-0.8	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	-2.7
Percent Difference	-1.8	-0.7	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	-2.7
Below Normal												
NEPA No Action Alternative	120.7	110.3	118.9	69.7	26.2	31.7	34.9	36.9	54.8	52.2	70.7	118.1
NEPA Yuba Accord Alternative	120.3	110.2	118.9	69.7	26.2	31.7	34.9	36.9	54.8	51.7	70.2	118.3
Difference	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	-0.4	0.2
Percent Difference	-0.3	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-1.1	-0.6	0.2
Dry												
NEPA No Action Alternative	125.3	117.7	97.1	93.7	99.3	72.7	51.7	54.3	69.0	82.0	116.4	155.4
NEPA Yuba Accord Alternative	121.5	116.7	96.9	94.3	100.6	73.2	51.9	54.6	70.9	86.8	124.0	154.8
Difference	-3.8	-1.0	-0.2	0.6	1.3	0.4	0.1	0.3	2.0	4.8	7.6	-0.6
Percent Difference	-3.0	-0.8	-0.2	0.7	1.3	0.6	0.3	0.6	2.8	5.9	6.6	-0.4
Critical												
NEPA No Action Alternative	138.7	119.6	119.7	142.0	123.5	108.6	80.5	72.3	91.1	96.4	94.7	120.0
NEPA Yuba Accord Alternative	137.3	118.3	118.5	140.3	121.4	107.8	80.5	72.3	94.0	98.4	95.3	118.8
Difference	-1.3	-1.3	-1.3	-1.8	-2.1	-0.8	-0.1	0.0	2.9	2.1	0.6	-1.2
Percent Difference	-1.0	-1.1	-1.1	-1.2	-1.7	-0.7	-0.1	0.0	3.2	2.1	0.7	-1.0

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	7.0	7.0	0.0	0.0
1976	C	71.8	71.5	-0.3	-0.4
1977	C	182.7	184.9	2.1	1.1
1978	AN	135.0	130.4	-4.6	-3.4
1979	BN	120.7	120.3	-0.4	-0.3
1980	AN	134.0	133.7	-0.3	-0.2
1981	D	104.7	91.1	-13.6	-13.0
1982	W	105.9	106.4	0.5	0.5
1983	W	17.8	17.9	0.1	0.6
1984	W	16.3	16.3	0.0	0.0
1985	D	135.7	135.4	-0.3	-0.2
1986	W	128.5	128.9	0.4	0.3
1987	D	121.9	122.1	0.2	0.2
1988	C	152.3	151.3	-1.0	-0.7
1989	D	138.9	137.4	-1.6	-1.2
1990	C	149.7	145.5	-4.2	-2.8
1991	C	136.8	133.5	-3.4	-2.5
Mean:		109.4	107.9	-1.6	-1.3
Median:		128.5	128.9	-0.3	-0.2
Min:		7.0	7.0	-13.6	-13.0
Max:		182.7	184.9	2.1	1.1
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	64.2	64.2	0.0	0.0
1976	C	71.3	70.7	-0.6	-0.8
1977	C	147.5	146.4	-1.1	-0.7
1978	AN	120.8	119.3	-1.6	-1.3
1979	BN	110.3	110.2	-0.1	-0.1
1980	AN	106.6	106.6	0.0	0.0
1981	D	98.3	94.0	-4.3	-4.4
1982	W	115.6	115.4	-0.2	-0.2
1983	W	25.2	25.2	0.0	0.0
1984	W	7.0	7.0	0.0	0.0
1985	D	120.6	121.5	0.9	0.7
1986	W	110.0	108.7	-1.3	-1.2
1987	D	107.2	107.3	0.1	0.1
1988	C	126.1	125.3	-0.8	-0.6
1989	D	144.6	143.9	-0.7	-0.5
1990	C	112.3	110.8	-1.5	-1.3
1991	C	140.9	138.2	-2.6	-1.8
Mean:		101.7	100.9	-0.8	-0.7
Median:		110.3	110.2	-0.6	-0.5
Min:		7.0	7.0	-4.3	-4.4
Max:		147.5	146.4	0.9	0.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	103.8	103.8	0.0	0.0
1976	C	122.7	120.0	-2.7	-2.2
1977	C	119.9	119.3	-0.5	-0.4
1978	AN	110.5	110.2	-0.3	-0.3
1979	BN	118.9	118.9	0.0	0.0
1980	AN	85.1	85.2	0.1	0.1
1981	D	109.2	108.0	-1.2	-1.1
1982	W	53.3	53.3	0.0	0.0
1983	W	9.0	9.1	0.1	1.1
1984	W	12.2	12.2	0.0	0.0
1985	D	50.4	50.7	0.3	0.6
1986	W	106.3	105.4	-0.8	-0.8
1987	D	112.8	113.1	0.4	0.4
1988	C	125.4	124.5	-1.0	-0.8
1989	D	115.9	115.7	-0.2	-0.2
1990	C	109.0	108.6	-0.4	-0.4
1991	C	121.7	119.8	-1.8	-1.5
Mean:		93.3	92.8	-0.5	-0.3
Median:		109.2	108.6	-0.2	-0.2
Min:		9.0	9.1	-2.7	-2.2
Max:		125.4	124.5	0.4	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	120.6	122.1	1.4	1.2
1976	C	144.0	141.3	-2.7	-1.9
1977	C	170.0	169.5	-0.5	-0.3
1978	AN	81.2	81.2	0.0	0.0
1979	BN	69.6	69.7	0.0	0.0
1980	AN	19.1	19.1	0.0	0.0
1981	D	87.8	88.2	0.4	0.5
1982	W	37.9	38.0	0.1	0.3
1983	W	25.1	25.3	0.2	0.8
1984	W	10.6	10.6	0.0	0.0
1985	D	50.2	51.0	0.8	1.6
1986	W	72.8	72.4	-0.4	-0.5
1987	D	115.0	116.5	1.5	1.3
1988	C	143.1	141.3	-1.8	-1.3
1989	D	121.6	121.5	-0.2	-0.2
1990	C	119.4	116.3	-3.1	-2.6
1991	C	133.6	132.8	-0.8	-0.6
Mean:		89.5	89.2	-0.3	-0.1
Median:		87.8	88.2	0.0	0.0
Min:		10.6	10.6	-3.1	-2.6
Max:		170.0	169.5	1.5	1.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	50.6	51.5	0.8	1.6
1976	C	139.0	136.7	-2.3	-1.7
1977	C	168.6	167.5	-1.1	-0.7
1978	AN	34.1	34.1	0.0	0.0
1979	BN	26.2	26.2	0.0	0.0
1980	AN	11.5	11.5	0.0	0.0
1981	D	54.5	55.6	1.1	2.0
1982	W	16.9	16.9	0.0	0.0
1983	W	11.1	11.1	0.0	0.0
1984	W	23.4	23.4	0.0	0.0
1985	D	70.6	72.9	2.3	3.3
1986	W	26.4	26.5	0.0	0.0
1987	D	120.4	122.4	2.0	1.7
1988	C	61.5	61.3	-0.2	-0.3
1989	D	151.5	151.5	0.0	0.0
1990	C	93.6	89.2	-4.4	-4.7
1991	C	154.6	152.4	-2.2	-1.4
Mean:		71.4	71.2	-0.2	0.0
Median:		54.5	55.6	0.0	0.0
Min:		11.1	11.1	-4.4	-4.7
Max:		168.6	167.5	2.3	3.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	32.3	32.3	0.0	0.0
1976	C	81.8	81.4	-0.4	-0.5
1977	C	178.7	178.2	-0.5	-0.3
1978	AN	38.1	38.1	0.0	0.0
1979	BN	31.7	31.7	0.0	0.0
1980	AN	21.1	21.1	0.0	0.0
1981	D	56.2	56.4	0.2	0.4
1982	W	26.1	26.1	0.0	0.0
1983	W	19.1	19.0	-0.1	-0.5
1984	W	39.1	39.1	0.0	0.0
1985	D	76.1	77.0	1.0	1.3
1986	W	16.8	16.8	0.0	0.0
1987	D	85.1	85.4	0.4	0.5
1988	C	96.8	95.6	-1.3	-1.3
1989	D	73.7	73.7	0.0	0.0
1990	C	82.5	82.4	-0.1	-0.1
1991	C	102.9	101.3	-1.6	-1.6
Mean:		62.2	62.1	-0.1	-0.1
Median:		56.2	56.4	0.0	0.0
Min:		16.8	16.8	-1.6	-1.6
Max:		178.7	178.2	1.0	1.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	33.2	33.2	0.0	0.0
1976	C	63.9	63.8	-0.1	-0.2
1977	C	139.8	139.4	-0.4	-0.3
1978	AN	22.2	22.2	0.0	0.0
1979	BN	34.9	34.9	0.0	0.0
1980	AN	29.6	29.6	0.0	0.0
1981	D	47.0	47.1	0.1	0.2
1982	W	12.4	12.4	0.0	0.0
1983	W	15.9	15.9	0.0	0.0
1984	W	40.6	40.6	0.0	0.0
1985	D	64.7	64.9	0.2	0.3
1986	W	22.6	22.7	0.0	0.0
1987	D	54.2	54.4	0.2	0.4
1988	C	68.2	68.0	-0.3	-0.4
1989	D	41.0	41.0	0.1	0.2
1990	C	71.7	72.3	0.6	0.8
1991	C	59.2	59.0	-0.1	-0.2
Mean:		48.3	48.3	0.0	0.0
Median:		41.0	41.0	0.0	0.0
Min:		12.4	12.4	-0.4	-0.4
Max:		139.8	139.4	0.6	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	37.4	37.4	0.0	0.0
1976	C	61.5	61.3	-0.1	-0.2
1977	C	119.4	119.3	-0.2	-0.2
1978	AN	21.5	21.5	0.0	0.0
1979	BN	36.9	36.9	0.0	0.0
1980	AN	35.4	35.4	0.0	0.0
1981	D	49.2	49.2	0.0	0.0
1982	W	17.5	17.5	0.0	0.0
1983	W	14.0	14.0	0.0	0.0
1984	W	46.8	46.8	0.0	0.0
1985	D	57.0	57.7	0.7	1.2
1986	W	31.7	31.7	0.0	0.0
1987	D	60.2	60.3	0.1	0.2
1988	C	64.4	64.4	0.0	0.0
1989	D	50.8	51.3	0.5	1.0
1990	C	61.2	61.6	0.5	0.8
1991	C	54.9	54.9	-0.1	-0.2
Mean:		48.2	48.3	0.1	0.2
Median:		49.2	49.2	0.0	0.0
Min:		14.0	14.0	-0.2	-0.2
Max:		119.4	119.3	0.7	1.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	46.0	46.0	0.0	0.0
1976	C	106.8	106.6	-0.2	-0.2
1977	C	114.4	117.3	2.9	2.5
1978	AN	22.7	22.7	0.0	0.0
1979	BN	54.8	54.8	0.0	0.0
1980	AN	43.9	43.9	0.0	0.0
1981	D	61.9	63.0	1.1	1.8
1982	W	29.3	29.3	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	67.6	67.5	-0.1	-0.1
1985	D	72.0	73.3	1.2	1.7
1986	W	44.8	44.8	0.0	0.0
1987	D	79.1	83.4	4.3	5.4
1988	C	85.6	88.1	2.5	2.9
1989	D	62.8	64.0	1.2	1.9
1990	C	78.8	84.8	6.0	7.6
1991	C	69.9	73.1	3.2	4.6
Mean:		61.6	62.9	1.3	1.7
Median:		62.8	64.0	0.0	0.0
Min:		7.0	7.0	-0.2	-0.2
Max:		114.4	117.3	6.0	7.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	45.1	45.0	0.0	0.0
1976	C	122.3	127.4	5.1	4.2
1977	C	87.0	90.6	3.6	4.1
1978	AN	43.7	43.7	0.0	0.0
1979	BN	52.2	51.6	-0.6	-1.1
1980	AN	43.5	43.7	0.1	0.2
1981	D	97.8	106.6	8.8	9.0
1982	W	44.6	44.6	-0.1	-0.2
1983	W	10.5	10.5	0.0	0.0
1984	W	57.4	57.5	0.1	0.2
1985	D	79.1	85.1	6.0	7.6
1986	W	60.5	60.8	0.3	0.5
1987	D	79.4	80.2	0.7	0.9
1988	C	84.3	85.3	1.0	1.2
1989	D	71.8	75.4	3.6	5.0
1990	C	100.2	99.6	-0.6	-0.6
1991	C	88.0	89.2	1.2	1.4
Mean:		68.7	70.4	1.7	1.9
Median:		71.8	75.4	0.3	0.5
Min:		10.5	10.5	-0.6	-1.1
Max:		122.3	127.4	8.8	9.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	67.0	67.7	0.7	1.0
1976	C	94.5	103.6	9.1	9.6
1977	C	80.6	81.4	0.8	1.0
1978	AN	60.4	60.9	0.5	0.8
1979	BN	70.7	70.2	-0.4	-0.6
1980	AN	62.8	63.6	0.8	1.3
1981	D	117.4	127.4	10.1	8.6
1982	W	60.5	60.8	0.4	0.7
1983	W	48.6	48.5	-0.1	-0.2
1984	W	72.3	72.9	0.5	0.7
1985	D	112.5	123.7	11.1	9.9
1986	W	62.3	62.8	0.5	0.8
1987	D	105.7	106.3	0.6	0.6
1988	C	95.7	94.5	-1.1	-1.1
1989	D	129.8	138.7	8.8	6.8
1990	C	104.5	100.2	-4.3	-4.1
1991	C	98.3	97.0	-1.3	-1.3
Mean:		84.9	87.1	2.2	2.0
Median:		80.6	81.4	0.5	0.8
Min:		48.6	48.5	-4.3	-4.1
Max:		129.8	138.7	11.1	9.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) Chlorides

September					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	109.3	109.7	0.4	0.4
1976	C	146.2	151.2	4.9	3.4
1977	C	115.1	110.5	-4.6	-4.0
1978	AN	106.7	106.6	-0.1	-0.1
1979	BN	118.1	118.3	0.2	0.2
1980	AN	96.8	91.5	-5.3	-5.5
1981	D	105.7	107.2	1.5	1.4
1982	W	82.5	82.7	0.2	0.2
1983	W	50.8	50.3	-0.5	-1.0
1984	W	134.4	134.4	0.0	0.0
1985	D	154.9	157.6	2.7	1.7
1986	W	110.0	110.1	0.1	0.1
1987	D	148.3	147.8	-0.5	-0.3
1988	C	114.4	113.1	-1.3	-1.1
1989	D	212.6	206.4	-6.2	-2.9
1990	C	121.0	117.2	-3.8	-3.1
1991	C	103.0	102.0	-1.0	-1.0
Mean:		119.4	118.6	-0.8	-0.7
Median:		114.4	110.5	-0.1	-0.1
Min:		50.8	50.3	-6.2	-5.5
Max:		212.6	206.4	4.9	3.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Chlorides at Victoria Canal under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Chlorides (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	75.0	76.3	68.1	72.7	61.6	49.6	44.3	46.8	46.5	40.7	47.1	62.6
NEPA Yuba Accord Alternative	74.1	75.9	67.7	72.4	61.4	49.4	44.3	46.9	47.9	42.2	48.9	62.1
Difference	-0.9	-0.4	-0.4	-0.2	-0.2	-0.1	0.0	0.1	1.4	1.5	1.9	-0.5
Percent Difference ³	-1.2	-0.6	-0.6	-0.3	-0.4	-0.3	0.1	0.2	3.0	3.7	4.0	-0.7
Water Year Types¹												
Wet												
NEPA No Action Alternative	44.8	53.6	39.7	44.1	30.6	26.9	25.5	28.5	31.9	23.8	27.7	51.3
NEPA Yuba Accord Alternative	44.8	53.3	39.6	44.2	30.9	26.9	25.5	28.5	31.9	23.6	27.8	51.5
Difference	-0.1	-0.3	-0.1	0.1	0.3	0.0	0.0	0.0	0.0	-0.3	0.1	0.1
Percent Difference	-0.1	-0.5	-0.3	0.2	0.8	0.0	0.0	0.0	0.0	-1.0	0.2	0.3
Above Normal												
NEPA No Action Alternative	93.1	92.7	69.3	62.2	30.1	33.2	28.6	28.5	32.9	26.6	29.7	51.5
NEPA Yuba Accord Alternative	91.2	92.3	69.2	62.2	30.1	33.2	28.6	28.5	32.9	26.6	29.7	50.1
Difference	-1.9	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3
Percent Difference	-2.0	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	-2.5
Below Normal												
NEPA No Action Alternative	72.8	69.3	90.2	74.1	36.8	32.7	35.1	34.0	33.2	25.3	32.9	54.2
NEPA Yuba Accord Alternative	72.6	69.3	90.2	74.2	36.9	32.7	35.2	34.0	33.2	25.0	32.7	54.4
Difference	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-0.1	0.1
Percent Difference	-0.2	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-1.3	-0.4	0.3
Dry												
NEPA No Action Alternative	84.4	85.4	73.9	65.0	76.0	54.6	47.3	52.8	44.9	42.5	67.5	83.0
NEPA Yuba Accord Alternative	83.0	85.2	73.8	65.8	77.4	55.1	47.4	53.2	47.3	46.1	74.6	82.9
Difference	-1.5	-0.2	-0.1	0.8	1.4	0.6	0.2	0.4	2.4	3.7	7.1	-0.1
Percent Difference	-1.7	-0.2	-0.1	1.2	1.9	1.1	0.3	0.8	5.3	8.6	10.5	-0.2
Critical												
NEPA No Action Alternative	90.9	86.5	86.8	111.3	98.7	78.1	68.8	70.1	70.5	64.9	59.9	63.6
NEPA Yuba Accord Alternative	89.8	85.7	85.7	109.8	96.5	77.2	68.8	70.2	73.3	67.4	60.5	62.5
Difference	-1.1	-0.9	-1.1	-1.5	-2.2	-0.9	0.0	0.1	2.8	2.5	0.6	-1.1
Percent Difference	-1.2	-1.0	-1.3	-1.4	-2.2	-1.2	0.0	0.1	4.0	3.9	1.0	-1.7

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Victoria Canal Chlorides

October

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	7.0	7.0	0.0	0.0
1976	C	55.1	55.0	-0.1	-0.2
1977	C	103.1	104.5	1.4	1.4
1978	AN	99.1	95.5	-3.6	-3.6
1979	BN	72.7	72.6	-0.2	-0.3
1980	AN	87.1	86.9	-0.2	-0.2
1981	D	64.4	59.5	-4.9	-7.6
1982	W	74.9	75.2	0.3	0.4
1983	W	26.4	26.3	-0.1	-0.4
1984	W	23.4	23.3	-0.1	-0.4
1985	D	90.0	89.8	-0.2	-0.2
1986	W	92.4	92.0	-0.4	-0.4
1987	D	83.7	84.1	0.4	0.5
1988	C	102.5	101.9	-0.6	-0.6
1989	D	99.8	98.5	-1.2	-1.2
1990	C	100.6	97.2	-3.5	-3.5
1991	C	92.9	90.3	-2.6	-2.8
Mean:		75.0	74.1	-0.9	-1.1
Median:		87.1	86.9	-0.2	-0.4
Min:		7.0	7.0	-4.9	-7.6
Max:		103.1	104.5	1.4	1.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	54.4	54.4	0.0	0.0
1976	C	52.9	52.8	0.0	0.0
1977	C	90.2	90.1	-0.2	-0.2
1978	AN	107.4	106.4	-0.9	-0.8
1979	BN	69.3	69.3	0.0	0.0
1980	AN	78.1	78.2	0.1	0.1
1981	D	66.2	64.9	-1.3	-2.0
1982	W	89.1	89.0	-0.1	-0.1
1983	W	26.0	25.9	-0.1	-0.4
1984	W	9.5	9.5	0.0	0.0
1985	D	89.9	90.5	0.6	0.7
1986	W	88.8	87.7	-1.1	-1.2
1987	D	79.6	80.0	0.4	0.5
1988	C	96.7	96.4	-0.3	-0.3
1989	D	105.7	105.3	-0.5	-0.5
1990	C	84.1	82.8	-1.3	-1.5
1991	C	108.7	106.2	-2.5	-2.3
Mean:		76.3	75.8	-0.4	-0.5
Median:		84.1	82.8	-0.1	-0.2
Min:		9.5	9.5	-2.5	-2.3
Max:		108.7	106.4	0.6	0.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	71.1	71.1	0.0	0.0
1976	C	84.0	81.9	-2.1	-2.5
1977	C	88.8	88.2	-0.6	-0.7
1978	AN	80.7	80.5	-0.2	-0.2
1979	BN	90.2	90.2	0.0	0.0
1980	AN	57.9	57.9	0.0	0.0
1981	D	80.9	80.1	-0.8	-1.0
1982	W	35.9	35.9	0.0	0.0
1983	W	11.3	11.3	0.0	0.0
1984	W	7.9	7.9	0.0	0.0
1985	D	38.1	38.4	0.3	0.8
1986	W	72.4	71.8	-0.6	-0.8
1987	D	86.1	86.4	0.3	0.3
1988	C	84.3	83.6	-0.7	-0.8
1989	D	90.5	90.3	-0.1	-0.1
1990	C	75.1	74.7	-0.4	-0.5
1991	C	101.6	99.8	-1.8	-1.8
Mean:		68.1	67.7	-0.4	-0.4
Median:		80.7	80.1	-0.1	-0.1
Min:		7.9	7.9	-2.1	-2.5
Max:		101.6	99.8	0.3	0.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	89.0	90.0	0.9	1.0
1976	C	110.7	108.3	-2.4	-2.2
1977	C	135.2	134.9	-0.4	-0.3
1978	AN	89.2	89.2	-0.1	-0.1
1979	BN	74.1	74.2	0.1	0.1
1980	AN	35.1	35.2	0.1	0.3
1981	D	59.6	59.9	0.3	0.5
1982	W	45.2	45.2	-0.1	-0.2
1983	W	13.6	13.6	0.0	0.0
1984	W	14.6	14.6	0.0	0.0
1985	D	35.0	35.5	0.5	1.4
1986	W	58.1	57.6	-0.4	-0.7
1987	D	79.5	81.9	2.4	3.0
1988	C	118.4	116.6	-1.8	-1.5
1989	D	86.0	85.9	-0.1	-0.1
1990	C	80.0	77.8	-2.2	-2.8
1991	C	112.2	111.3	-0.9	-0.8
Mean:		72.7	72.4	-0.2	-0.1
Median:		79.5	77.8	-0.1	-0.1
Min:		13.6	13.6	-2.4	-2.8
Max:		135.2	134.9	2.4	3.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

February

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	57.7	58.9	1.2	2.1
1976	C	107.5	104.6	-2.9	-2.7
1977	C	133.5	132.7	-0.8	-0.6
1978	AN	44.8	44.8	0.0	0.0
1979	BN	36.8	36.9	0.0	0.0
1980	AN	15.5	15.5	0.0	0.0
1981	D	43.2	44.3	1.1	2.5
1982	W	26.5	26.5	0.0	0.0
1983	W	7.0	7.0	0.0	0.0
1984	W	25.3	25.3	0.0	0.0
1985	D	51.3	53.4	2.1	4.1
1986	W	36.6	36.7	0.1	0.3
1987	D	87.6	90.1	2.5	2.9
1988	C	52.2	52.0	-0.3	-0.6
1989	D	122.0	121.9	-0.1	-0.1
1990	C	78.2	74.1	-4.1	-5.2
1991	C	121.9	119.1	-2.8	-2.3
Mean:		61.6	61.4	-0.2	0.0
Median:		51.3	52.0	0.0	0.0
Min:		7.0	7.0	-4.1	-5.2
Max:		133.5	132.7	2.5	4.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

March

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	34.5	34.5	0.0	0.0
1976	C	60.8	60.2	-0.6	-1.0
1977	C	128.7	127.9	-0.8	-0.6
1978	AN	43.5	43.5	0.0	0.0
1979	BN	32.7	32.7	0.0	0.0
1980	AN	22.8	22.8	0.0	0.0
1981	D	47.2	47.6	0.4	0.8
1982	W	33.7	33.7	0.0	0.0
1983	W	13.0	13.0	0.0	0.0
1984	W	33.3	33.3	0.0	0.0
1985	D	61.5	62.6	1.2	2.0
1986	W	20.1	20.1	0.0	0.0
1987	D	54.8	55.6	0.8	1.5
1988	C	51.5	51.1	-0.3	-0.6
1989	D	54.7	54.8	0.0	0.0
1990	C	59.9	59.0	-1.0	-1.7
1991	C	89.8	87.9	-1.8	-2.0
Mean:		49.6	49.4	-0.1	-0.1
Median:		47.2	47.6	0.0	0.0
Min:		13.0	13.0	-1.8	-2.0
Max:		128.7	127.9	1.2	2.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	33.1	33.1	0.0	0.0
1976	C	53.0	52.9	-0.1	-0.2
1977	C	124.9	124.5	-0.4	-0.3
1978	AN	28.2	28.2	0.0	0.0
1979	BN	35.1	35.1	0.0	0.0
1980	AN	28.9	28.9	0.0	0.0
1981	D	48.7	48.7	0.0	0.0
1982	W	14.4	14.4	0.0	0.0
1983	W	14.4	14.5	0.0	0.0
1984	W	40.9	40.9	0.0	0.0
1985	D	59.6	59.8	0.2	0.3
1986	W	24.4	24.4	0.0	0.0
1987	D	47.1	47.5	0.4	0.8
1988	C	61.4	61.3	-0.2	-0.3
1989	D	33.7	33.7	0.0	0.0
1990	C	55.0	55.7	0.8	1.5
1991	C	49.8	49.6	-0.2	-0.4
Mean:		44.3	44.3	0.0	0.1
Median:		40.9	40.9	0.0	0.0
Min:		14.4	14.4	-0.4	-0.4
Max:		124.9	124.5	0.8	1.5
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	35.3	35.3	0.0	0.0
1976	C	59.7	59.7	-0.1	-0.2
1977	C	114.6	114.5	-0.1	-0.1
1978	AN	23.8	23.8	0.0	0.0
1979	BN	34.0	34.0	0.0	0.0
1980	AN	33.2	33.2	0.0	0.0
1981	D	47.7	47.7	0.0	0.0
1982	W	17.8	17.8	0.0	0.0
1983	W	14.3	14.3	0.0	0.0
1984	W	44.9	44.9	0.0	0.0
1985	D	56.7	57.9	1.2	2.1
1986	W	30.3	30.3	0.0	0.0
1987	D	57.5	57.6	0.1	0.2
1988	C	65.8	65.9	0.1	0.2
1989	D	49.4	49.8	0.4	0.8
1990	C	58.8	59.2	0.4	0.7
1991	C	51.6	51.6	0.0	0.0
Mean:		46.8	46.9	0.1	0.2
Median:		47.7	47.7	0.0	0.0
Min:		14.3	14.3	-0.1	-0.2
Max:		114.6	114.5	1.2	2.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	36.6	36.6	0.0	0.0
1976	C	71.5	71.3	-0.2	-0.3
1977	C	99.3	102.6	3.4	3.4
1978	AN	24.9	24.9	0.0	0.0
1979	BN	33.2	33.2	0.0	0.0
1980	AN	40.9	41.0	0.1	0.2
1981	D	40.7	41.7	1.1	2.7
1982	W	25.0	25.0	0.1	0.4
1983	W	7.0	7.0	0.0	0.0
1984	W	49.6	49.6	-0.1	-0.2
1985	D	50.9	52.8	1.9	3.7
1986	W	41.1	41.1	0.1	0.2
1987	D	54.5	58.0	3.6	6.6
1988	C	68.2	70.8	2.6	3.8
1989	D	33.7	36.7	3.0	8.9
1990	C	61.1	66.7	5.5	9.0
1991	C	52.5	55.1	2.6	4.9
Mean:		46.5	47.9	1.4	2.5
Median:		41.1	41.7	0.1	0.4
Min:		7.0	7.0	-0.2	-0.3
Max:		99.3	102.6	5.5	9.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Victoria Canal Chlorides

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	23.2	23.0	-0.2	-0.9
1976	C	83.0	86.4	3.5	4.2
1977	C	61.0	64.9	3.9	6.4
1978	AN	21.8	21.7	-0.1	-0.5
1979	BN	25.3	25.0	-0.3	-1.2
1980	AN	31.3	31.5	0.2	0.6
1981	D	55.0	61.5	6.5	11.8
1982	W	27.9	27.8	0.0	0.0
1983	W	10.2	10.2	0.0	0.0
1984	W	28.0	27.9	-0.1	-0.4
1985	D	44.1	48.2	4.1	9.3
1986	W	29.9	29.0	-0.9	-3.0
1987	D	37.0	39.1	2.1	5.7
1988	C	57.7	59.9	2.2	3.8
1989	D	33.6	35.6	1.9	5.6
1990	C	66.3	67.5	1.2	1.8
1991	C	56.3	58.2	1.8	3.2
Mean:		40.7	42.2	1.5	2.7
Median:		33.6	35.6	1.2	1.8
Min:		10.2	10.2	-0.9	-3.0
Max:		83.0	86.4	6.5	11.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					1

Victoria Canal Chlorides

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	31.0	31.2	0.2	0.6
1976	C	51.6	60.7	9.1	17.6
1977	C	48.6	49.1	0.5	1.0
1978	AN	30.2	29.8	-0.4	-1.3
1979	BN	32.9	32.7	-0.1	-0.3
1980	AN	29.2	29.6	0.4	1.4
1981	D	75.8	84.8	9.0	11.9
1982	W	27.9	27.5	-0.3	-1.1
1983	W	13.7	13.6	-0.1	-0.7
1984	W	32.0	32.3	0.3	0.9
1985	D	68.4	77.9	9.5	13.9
1986	W	34.1	34.3	0.2	0.6
1987	D	55.8	56.8	0.9	1.6
1988	C	61.2	60.1	-1.1	-1.8
1989	D	70.1	79.1	9.0	12.8
1990	C	70.3	66.1	-4.2	-6.0
1991	C	67.7	66.4	-1.3	-1.9
Mean:		47.1	48.9	1.9	2.9
Median:		48.6	49.1	0.2	0.6
Min:		13.7	13.6	-4.2	-6.0
Max:		75.8	84.8	9.5	17.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					4

Victoria Canal Chlorides

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	54.4	54.8	0.4	0.7
1976	C	65.2	69.8	4.6	7.1
1977	C	60.0	57.0	-3.0	-5.0
1978	AN	52.5	52.3	-0.2	-0.4
1979	BN	54.2	54.3	0.1	0.2
1980	AN	50.4	48.0	-2.4	-4.8
1981	D	47.7	49.3	1.6	3.4
1982	W	46.3	46.5	0.1	0.2
1983	W	34.5	34.1	-0.4	-1.2
1984	W	67.8	68.1	0.3	0.4
1985	D	79.5	82.6	3.1	3.9
1986	W	53.6	53.8	0.2	0.4
1987	D	73.2	73.3	0.1	0.1
1988	C	65.4	63.9	-1.5	-2.3
1989	D	131.7	126.3	-5.3	-4.0
1990	C	65.1	61.4	-3.7	-5.7
1991	C	62.0	60.3	-1.7	-2.7
Mean:		62.6	62.1	-0.5	-0.6
Median:		60.0	57.0	0.1	0.1
Min:		34.5	34.1	-5.3	-5.7
Max:		131.7	126.3	4.6	7.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average Chlorides at Stockton Intake under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Chlorides (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	60.1	56.8	54.6	57.7	48.9	37.9	38.5	40.2	29.4	29.4	36.0	51.9
NEPA Yuba Accord Alternative	59.5	56.5	54.3	57.5	48.7	37.9	38.5	40.4	30.4	31.0	37.7	51.3
Difference	-0.6	-0.3	-0.4	-0.2	-0.2	-0.1	0.0	0.1	1.0	1.6	1.7	-0.6
Percent Difference ³	-1.0	-0.5	-0.6	-0.3	-0.4	-0.2	0.1	0.3	3.5	5.5	4.7	-1.2
Water Year Types¹												
Wet												
NEPA No Action Alternative	34.5	39.6	32.5	36.1	24.9	22.9	23.1	25.5	21.8	13.4	19.3	40.7
NEPA Yuba Accord Alternative	34.4	39.4	32.3	36.4	25.1	22.8	23.1	25.5	21.9	13.4	19.6	40.7
Difference	-0.1	-0.2	-0.2	0.3	0.1	-0.1	0.0	0.0	0.0	0.0	0.3	0.1
Percent Difference	-0.3	-0.6	-0.5	0.9	0.6	-0.2	0.0	0.0	0.2	0.1	1.7	0.1
Above Normal												
NEPA No Action Alternative	78.0	66.4	55.5	45.0	25.2	28.1	25.9	24.8	25.7	15.8	21.3	42.8
NEPA Yuba Accord Alternative	77.1	66.3	55.5	45.0	25.2	28.1	25.9	24.8	25.9	15.9	21.8	40.4
Difference	-0.9	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	-2.4
Percent Difference	-1.1	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	0.5	1.0	1.9	-5.7
Below Normal												
NEPA No Action Alternative	61.0	58.4	72.7	55.6	32.7	29.9	31.5	29.8	17.6	14.6	25.2	46.5
NEPA Yuba Accord Alternative	60.9	58.3	72.6	55.7	32.7	29.9	31.5	29.8	17.6	14.6	25.6	46.7
Difference	-0.1	0.0	-0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.1
Percent Difference	-0.2	-0.1	-0.1	0.3	0.0	0.2	0.0	0.0	0.0	0.1	1.8	0.3
Dry												
NEPA No Action Alternative	68.9	65.5	54.5	50.3	61.3	39.8	40.7	44.9	23.6	39.2	62.8	73.6
NEPA Yuba Accord Alternative	67.8	65.4	54.6	51.4	62.9	40.2	40.8	45.3	25.1	43.8	68.4	73.0
Difference	-1.1	-0.1	0.1	1.1	1.5	0.4	0.1	0.4	1.5	4.6	5.6	-0.6
Percent Difference	-1.6	-0.1	0.2	2.1	2.5	1.0	0.3	0.9	6.5	11.6	8.9	-0.9
Critical												
NEPA No Action Alternative	71.2	62.9	72.9	90.8	75.6	57.1	58.6	59.5	45.3	45.9	39.3	50.6
NEPA Yuba Accord Alternative	70.5	62.2	71.8	89.0	73.6	56.5	58.7	59.6	47.5	47.6	39.9	49.9
Difference	-0.7	-0.7	-1.1	-1.8	-2.0	-0.6	0.1	0.1	2.2	1.8	0.7	-0.7
Percent Difference	-1.0	-1.1	-1.5	-2.0	-2.6	-1.0	0.1	0.2	4.8	3.8	1.7	-1.4

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Stockton Intake Chlorides

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	7.0	7.0	0.0	0.0
1976	C	38.8	38.7	-0.1	-0.3
1977	C	91.1	92.2	1.1	1.2
1978	AN	85.1	83.5	-1.6	-1.9
1979	BN	61.0	60.9	-0.1	-0.2
1980	AN	70.9	70.7	-0.2	-0.3
1981	D	54.5	50.8	-3.7	-6.8
1982	W	57.2	57.5	0.2	0.3
1983	W	19.7	19.5	-0.2	-1.0
1984	W	18.9	18.9	0.0	0.0
1985	D	72.3	72.1	-0.2	-0.3
1986	W	69.8	69.1	-0.7	-1.0
1987	D	67.8	68.4	0.6	0.9
1988	C	79.6	79.2	-0.3	-0.4
1989	D	80.8	79.9	-1.0	-1.2
1990	C	74.1	71.8	-2.3	-3.1
1991	C	72.5	70.4	-2.0	-2.8
Mean:		60.1	59.4	-0.6	-1.0
Median:		69.8	69.1	-0.2	-0.3
Min:		7.0	7.0	-3.7	-6.8
Max:		91.1	92.2	1.1	1.2
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	38.9	38.9	0.0	0.0
1976	C	38.6	38.4	-0.2	-0.5
1977	C	72.1	71.8	-0.2	-0.3
1978	AN	77.4	77.1	-0.3	-0.4
1979	BN	58.4	58.3	0.0	0.0
1980	AN	55.4	55.5	0.2	0.4
1981	D	53.7	52.4	-1.3	-2.4
1982	W	65.2	65.1	-0.1	-0.2
1983	W	24.3	24.2	-0.1	-0.4
1984	W	7.3	7.3	0.0	0.0
1985	D	71.4	72.2	0.8	1.1
1986	W	62.5	61.6	-0.9	-1.4
1987	D	60.3	60.7	0.3	0.5
1988	C	67.8	67.5	-0.3	-0.4
1989	D	76.7	76.4	-0.3	-0.4
1990	C	59.1	58.1	-1.0	-1.7
1991	C	76.9	75.2	-1.7	-2.2
Mean:		56.8	56.5	-0.3	-0.5
Median:		60.3	60.7	-0.2	-0.4
Min:		7.3	7.3	-1.7	-2.4
Max:		77.4	77.1	0.8	1.1
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	61.2	61.2	0.0	0.0
1976	C	80.2	77.5	-2.7	-3.4
1977	C	78.6	78.2	-0.4	-0.5
1978	AN	63.8	63.6	-0.2	-0.3
1979	BN	72.7	72.6	-0.1	-0.1
1980	AN	47.2	47.3	0.1	0.2
1981	D	60.2	59.5	-0.7	-1.2
1982	W	22.0	22.0	0.0	0.0
1983	W	12.3	12.2	-0.1	-0.8
1984	W	11.6	11.5	0.0	0.0
1985	D	25.4	25.7	0.3	1.2
1986	W	55.3	54.5	-0.7	-1.3
1987	D	65.8	66.7	0.9	1.4
1988	C	77.6	76.6	-1.0	-1.3
1989	D	66.5	66.4	-0.1	-0.2
1990	C	58.1	57.8	-0.3	-0.5
1991	C	69.9	68.9	-1.0	-1.4
Mean:		54.6	54.3	-0.4	-0.5
Median:		61.2	61.2	-0.1	-0.3
Min:		11.6	11.5	-2.7	-3.4
Max:		80.2	78.2	0.9	1.4
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	77.9	79.7	1.8	2.3
1976	C	93.7	91.0	-2.8	-3.0
1977	C	107.4	107.0	-0.4	-0.4
1978	AN	63.8	63.8	0.0	0.0
1979	BN	55.6	55.7	0.2	0.4
1980	AN	26.1	26.1	0.0	0.0
1981	D	38.5	39.3	0.8	2.1
1982	W	35.3	35.2	-0.1	-0.3
1983	W	11.7	11.6	-0.1	-0.9
1984	W	11.5	11.5	0.0	0.0
1985	D	26.7	27.4	0.7	2.6
1986	W	43.9	43.7	-0.1	-0.2
1987	D	59.6	62.4	2.8	4.7
1988	C	98.0	96.6	-1.4	-1.4
1989	D	76.4	76.3	-0.1	-0.1
1990	C	75.6	72.1	-3.5	-4.6
1991	C	79.0	78.1	-0.9	-1.1
Mean:		57.7	57.5	-0.2	0.0
Median:		59.6	62.4	-0.1	-0.1
Min:		11.5	11.5	-3.5	-4.6
Max:		107.4	107.0	2.8	4.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	47.0	48.0	0.9	1.9
1976	C	87.0	84.3	-2.7	-3.1
1977	C	100.9	100.0	-0.8	-0.8
1978	AN	37.1	37.1	0.0	0.0
1979	BN	32.7	32.7	0.0	0.0
1980	AN	13.3	13.3	0.0	0.0
1981	D	31.1	32.3	1.2	3.9
1982	W	19.8	19.8	0.0	0.0
1983	W	9.3	9.2	-0.1	-1.1
1984	W	21.8	21.8	0.0	0.0
1985	D	45.0	47.4	2.4	5.3
1986	W	26.7	26.7	0.0	0.0
1987	D	69.3	71.8	2.5	3.6
1988	C	35.1	35.0	-0.1	-0.3
1989	D	99.9	99.9	0.0	0.0
1990	C	64.1	60.3	-3.9	-6.1
1991	C	90.7	88.5	-2.3	-2.5
Mean:		48.9	48.7	-0.2	0.0
Median:		37.1	37.1	0.0	0.0
Min:		9.3	9.2	-3.9	-6.1
Max:		100.9	100.0	2.5	5.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	29.7	29.7	0.0	0.0
1976	C	42.4	42.0	-0.3	-0.7
1977	C	97.9	97.4	-0.5	-0.5
1978	AN	36.9	36.9	0.0	0.0
1979	BN	29.9	29.9	0.0	0.0
1980	AN	19.3	19.3	0.0	0.0
1981	D	37.3	37.5	0.2	0.5
1982	W	26.5	26.4	-0.1	-0.4
1983	W	12.1	12.0	-0.1	-0.8
1984	W	28.5	28.5	0.0	0.0
1985	D	48.9	49.6	0.8	1.6
1986	W	17.5	17.4	-0.1	-0.6
1987	D	38.6	39.2	0.6	1.6
1988	C	41.5	41.2	-0.3	-0.7
1989	D	34.5	34.6	0.1	0.3
1990	C	42.2	41.8	-0.4	-0.9
1991	C	61.3	59.9	-1.4	-2.3
Mean:		37.9	37.8	-0.1	-0.2
Median:		36.9	36.9	0.0	0.0
Min:		12.1	12.0	-1.4	-2.3
Max:		97.9	97.4	0.8	1.6
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	29.9	29.9	0.0	0.0
1976	C	47.1	47.0	-0.1	-0.2
1977	C	101.6	101.4	-0.2	-0.2
1978	AN	25.0	25.0	0.0	0.0
1979	BN	31.4	31.5	0.0	0.0
1980	AN	26.8	26.8	0.0	0.0
1981	D	41.4	41.4	0.0	0.0
1982	W	14.1	14.1	0.0	0.0
1983	W	14.2	14.2	0.0	0.0
1984	W	36.2	36.2	0.0	0.0
1985	D	49.8	49.9	0.1	0.2
1986	W	20.9	21.0	0.0	0.0
1987	D	41.7	42.0	0.3	0.7
1988	C	52.0	52.1	0.0	0.0
1989	D	29.8	29.8	0.0	0.0
1990	C	47.1	47.7	0.6	1.3
1991	C	45.2	45.2	-0.1	-0.2
Mean:		38.5	38.5	0.0	0.1
Median:		36.2	36.2	0.0	0.0
Min:		14.1	14.1	-0.2	-0.2
Max:		101.6	101.4	0.6	1.3
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	30.9	30.9	0.0	0.0
1976	C	52.1	52.0	-0.1	-0.2
1977	C	96.0	96.2	0.2	0.2
1978	AN	20.7	20.7	0.0	0.0
1979	BN	29.8	29.8	0.0	0.0
1980	AN	28.9	28.9	0.0	0.0
1981	D	41.9	42.0	0.1	0.2
1982	W	16.0	16.0	0.0	0.0
1983	W	13.9	13.8	0.0	0.0
1984	W	39.1	39.0	0.0	0.0
1985	D	46.9	47.3	0.4	0.9
1986	W	27.5	27.5	0.0	0.0
1987	D	51.1	51.1	-0.1	-0.2
1988	C	56.5	56.5	0.0	0.0
1989	D	39.8	41.0	1.2	3.0
1990	C	50.2	50.5	0.4	0.8
1991	C	42.9	42.9	0.1	0.2
Mean:		40.2	40.4	0.1	0.3
Median:		39.8	41.0	0.0	0.0
Min:		13.9	13.8	-0.1	-0.2
Max:		96.0	96.2	1.2	3.0
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	23.5	23.5	0.0	0.0
1976	C	61.2	61.0	-0.2	-0.3
1977	C	59.6	62.3	2.7	4.5
1978	AN	20.7	20.7	0.0	0.0
1979	BN	17.6	17.6	0.0	0.0
1980	AN	30.8	31.0	0.3	1.0
1981	D	22.0	23.2	1.3	5.9
1982	W	20.7	20.7	0.1	0.5
1983	W	7.0	7.0	0.0	0.0
1984	W	25.6	25.6	-0.1	-0.4
1985	D	27.2	28.4	1.2	4.4
1986	W	32.3	32.5	0.2	0.6
1987	D	28.4	31.1	2.8	9.9
1988	C	38.9	41.7	2.8	7.2
1989	D	16.9	17.7	0.8	4.7
1990	C	36.9	40.5	3.6	9.8
1991	C	29.8	31.9	2.1	7.0
Mean:		29.3	30.4	1.0	3.2
Median:		27.2	28.4	0.3	1.0
Min:		7.0	7.0	-0.2	-0.4
Max:		61.2	62.3	3.6	9.9
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Stockton Intake Chlorides

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	12.1	12.0	0.0	0.0
1976	C	66.5	72.6	6.1	9.2
1977	C	36.4	38.3	1.9	5.2
1978	AN	13.8	13.8	0.0	0.0
1979	BN	14.6	14.6	0.0	0.0
1980	AN	17.7	18.0	0.3	1.7
1981	D	56.4	64.1	7.7	13.7
1982	W	14.2	14.3	0.0	0.0
1983	W	8.9	8.9	0.0	0.0
1984	W	15.5	15.5	0.0	0.0
1985	D	40.9	46.3	5.4	13.2
1986	W	16.3	16.4	0.0	0.0
1987	D	29.9	31.5	1.6	5.4
1988	C	35.2	35.9	0.7	2.0
1989	D	29.8	33.3	3.5	11.8
1990	C	49.7	48.7	-0.9	-1.8
1991	C	41.5	42.6	1.0	2.4
Mean:		29.4	31.0	1.6	3.7
Median:		29.8	31.5	0.3	1.7
Min:		8.9	8.9	-0.9	-1.8
Max:		66.5	72.6	7.7	13.7
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					3

Stockton Intake Chlorides

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	23.9	24.5	0.5	2.1
1976	C	35.8	43.6	7.8	21.8
1977	C	33.1	32.7	-0.5	-1.5
1978	AN	20.3	20.5	0.2	1.0
1979	BN	25.2	25.6	0.5	2.0
1980	AN	22.4	23.0	0.6	2.7
1981	D	60.3	67.1	6.8	11.3
1982	W	16.9	17.1	0.3	1.8
1983	W	8.0	7.9	-0.1	-1.2
1984	W	26.7	27.1	0.4	1.5
1985	D	62.8	71.0	8.2	13.1
1986	W	21.1	21.6	0.6	2.8
1987	D	49.6	50.3	0.7	1.4
1988	C	38.9	38.1	-0.8	-2.1
1989	D	78.3	85.0	6.7	8.6
1990	C	43.8	41.5	-2.4	-5.5
1991	C	44.6	43.7	-0.8	-1.8
Mean:		36.0	37.7	1.7	3.4
Median:		33.1	32.7	0.5	1.8
Min:		8.0	7.9	-2.4	-5.5
Max:		78.3	85.0	8.2	21.8
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					3

Stockton Intake Chlorides

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Chlorides (mg/L)	Chlorides (mg/L)		
1975	W	42.3	42.7	0.3	0.7
1976	C	67.0	70.8	3.7	5.5
1977	C	46.8	43.2	-3.6	-7.7
1978	AN	44.9	44.7	-0.1	-0.2
1979	BN	46.5	46.7	0.1	0.2
1980	AN	40.8	36.0	-4.7	-11.5
1981	D	38.4	39.6	1.1	2.9
1982	W	29.7	29.9	0.2	0.7
1983	W	25.7	25.4	-0.4	-1.6
1984	W	61.3	61.3	0.0	0.0
1985	D	70.3	72.5	2.3	3.3
1986	W	44.2	44.3	0.1	0.2
1987	D	68.1	68.4	0.3	0.4
1988	C	47.9	47.0	-0.9	-1.9
1989	D	117.7	111.3	-6.3	-5.4
1990	C	47.0	45.1	-1.9	-4.0
1991	C	44.0	43.2	-0.8	-1.8
Mean:		51.9	51.3	-0.6	-1.2
Median:		46.5	44.7	0.0	0.0
Min:		25.7	25.4	-6.3	-11.5
Max:		117.7	111.3	3.7	5.5
# Years Rel Diff <= -10%					1
# Years Rel Diff >= 10%					0

Long-term and Water Year Type Average DOC at the Old River at Hwy 4 (CCWD Los Vaqueros) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Dissolved Organic Carbon (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	0.7	0.7	0.8	1.5	2.1	1.8	1.5	1.3	1.3	1.2	1.1	0.9
NEPA Yuba Accord Alternative	0.7	0.7	0.8	1.5	2.1	1.8	1.5	1.3	1.4	1.2	1.1	0.8
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Percent Difference ³	-1.4	-1.4	0.0	0.0	-0.5	0.5	0.0	0.8	3.8	0.0	-1.8	-1.2
Water Year Types¹												
Wet												
NEPA No Action Alternative	0.5	0.6	0.7	1.2	1.9	1.4	0.7	0.8	0.8	0.9	0.8	0.6
NEPA Yuba Accord Alternative	0.5	0.6	0.7	1.2	1.9	1.4	0.7	0.8	0.8	0.9	0.8	0.6
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	-1.7	0.0	0.0	0.5	0.0	0.0	0.0	0.0	-1.1	-1.2	0.0
Above Normal												
NEPA No Action Alternative	1.0	0.9	0.9	2.4	3.1	2.3	1.6	1.2	1.1	0.9	0.8	0.6
NEPA Yuba Accord Alternative	1.0	0.9	0.9	2.4	3.1	2.3	1.6	1.2	1.1	0.9	0.8	0.6
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-1.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.5	-1.6
Below Normal												
NEPA No Action Alternative	0.6	0.6	0.7	1.9	2.8	2.0	1.3	0.9	1.1	1.1	0.9	0.8
NEPA Yuba Accord Alternative	0.6	0.6	0.7	1.9	2.8	2.0	1.3	0.9	1.1	1.0	0.9	0.7
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.5	0.8	0.0	0.0	-1.0	-3.4	-1.3
Dry												
NEPA No Action Alternative	0.8	0.7	0.8	1.2	1.6	1.6	1.6	1.5	1.4	1.1	0.9	0.7
NEPA Yuba Accord Alternative	0.7	0.7	0.8	1.2	1.6	1.6	1.6	1.6	1.5	1.1	0.9	0.7
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Percent Difference	-1.3	1.4	0.0	0.0	0.6	0.0	0.6	2.6	4.3	0.0	-1.2	0.0
Critical												
NEPA No Action Alternative	0.7	0.7	0.8	1.5	2.1	2.2	2.2	1.9	1.8	1.8	1.8	1.4
NEPA Yuba Accord Alternative	0.7	0.7	0.8	1.5	2.1	2.2	2.2	1.9	1.9	1.9	1.8	1.3
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
Percent Difference	-1.4	-2.7	-1.2	0.0	-1.0	-0.5	0.5	0.0	6.1	1.1	-2.7	-2.9

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.2	0.2	0.0	0.0
1976	C	0.4	0.4	0.0	0.0
1977	C	0.7	0.7	0.0	0.0
1978	AN	1.5	1.5	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.6	0.6	0.0	0.0
1981	D	0.6	0.6	0.0	0.0
1982	W	0.5	0.5	0.0	0.0
1983	W	0.4	0.4	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	0.5	0.5	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	0.6	0.6	0.0	0.0
1988	C	0.8	0.8	0.0	0.0
1989	D	1.2	1.2	0.0	0.0
1990	C	0.6	0.6	0.0	0.0
1991	C	1.2	1.2	0.0	0.0
	Mean:	0.7	0.7	0.0	0.0
	Median:	0.6	0.6	0.0	0.0
	Min:	0.2	0.2	0.0	0.0
	Max:	1.5	1.5	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	0.4	0.4	0.0	0.0
1977	C	0.7	0.7	0.0	0.0
1978	AN	1.2	1.2	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.7	0.7	0.0	0.0
1982	W	0.4	0.4	0.0	0.0
1983	W	0.7	0.7	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	0.6	0.6	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	0.7	0.7	0.0	0.0
1988	C	0.8	0.8	0.0	0.0
1989	D	0.9	0.9	0.0	0.0
1990	C	0.6	0.6	0.0	0.0
1991	C	1.2	1.1	0.0	0.0
	Mean:	0.7	0.7	0.0	0.0
	Median:	0.7	0.7	0.0	0.0
	Min:	0.4	0.4	0.0	0.0
	Max:	1.2	1.2	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	0.5	0.5	0.0	0.0
1977	C	0.8	0.8	0.0	0.0
1978	AN	1.1	1.1	0.0	0.0
1979	BN	0.7	0.7	0.0	0.0
1980	AN	0.7	0.6	0.0	0.0
1981	D	0.7	0.7	0.0	0.0
1982	W	0.8	0.8	0.0	0.0
1983	W	1.3	1.3	0.0	0.0
1984	W	0.1	0.1	0.0	0.0
1985	D	1.0	1.0	0.0	0.0
1986	W	0.9	0.9	0.0	0.0
1987	D	0.7	0.7	0.0	0.0
1988	C	0.7	0.7	0.0	0.0
1989	D	0.9	0.9	0.0	0.0
1990	C	0.7	0.7	0.0	0.0
1991	C	1.2	1.2	0.0	0.0
	Mean:	0.8	0.8	0.0	0.0
	Median:	0.7	0.7	0.0	0.0
	Min:	0.1	0.1	0.0	0.0
	Max:	1.3	1.3	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.0	1.0	0.0	0.0
1976	C	1.0	1.0	0.0	0.0
1977	C	1.8	1.8	0.0	0.0
1978	AN	2.9	2.9	0.0	0.0
1979	BN	1.8	1.9	0.0	0.0
1980	AN	1.8	1.8	0.0	0.0
1981	D	1.1	1.1	0.0	0.0
1982	W	3.0	3.0	0.0	0.0
1983	W	0.3	0.3	0.0	0.0
1984	W	0.4	0.4	0.0	0.0
1985	D	1.3	1.3	0.0	0.0
1986	W	1.5	1.5	0.0	0.0
1987	D	1.3	1.3	0.0	0.0
1988	C	1.3	1.3	0.0	0.0
1989	D	1.2	1.2	0.0	0.0
1990	C	1.0	1.0	0.0	0.0
1991	C	2.2	2.2	0.0	0.0
Mean:		1.5	1.5	0.0	0.0
Median:		1.3	1.3	0.0	0.0
Min:		0.3	0.3	0.0	0.0
Max:		3.0	3.0	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.5	1.6	0.0	0.0
1976	C	1.4	1.4	0.0	0.0
1977	C	2.7	2.7	0.0	0.0
1978	AN	3.3	3.3	0.0	0.0
1979	BN	2.8	2.8	0.0	0.0
1980	AN	2.9	2.9	0.0	0.0
1981	D	1.3	1.3	0.0	0.0
1982	W	2.0	2.0	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	1.4	1.4	0.0	0.0
1985	D	1.3	1.3	0.0	0.0
1986	W	4.2	4.2	0.0	0.0
1987	D	1.7	1.7	0.0	0.0
1988	C	1.8	1.8	0.0	0.0
1989	D	2.1	2.1	0.0	0.0
1990	C	1.5	1.5	0.0	0.0
1991	C	3.0	3.0	-0.1	-3.3
Mean:		2.1	2.1	0.0	-0.2
Median:		1.8	1.8	0.0	0.0
Min:		0.1	0.1	-0.1	-3.3
Max:		4.2	4.2	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.5	1.5	0.0	0.0
1976	C	1.4	1.4	0.0	0.0
1977	C	3.1	3.1	0.0	0.0
1978	AN	2.7	2.7	0.0	0.0
1979	BN	2.0	2.0	0.0	0.0
1980	AN	1.8	1.8	0.0	0.0
1981	D	1.5	1.5	0.0	0.0
1982	W	2.3	2.3	0.0	0.0
1983	W	0.2	0.2	0.0	0.0
1984	W	0.9	0.9	0.0	0.0
1985	D	1.7	1.7	0.0	0.0
1986	W	2.2	2.2	0.0	0.0
1987	D	1.8	1.8	0.0	0.0
1988	C	2.5	2.5	0.0	0.0
1989	D	1.5	1.5	0.0	0.0
1990	C	1.9	1.9	0.0	0.0
1991	C	1.9	1.9	0.0	0.0
	Mean:	1.8	1.8	0.0	0.0
	Median:	1.8	1.8	0.0	0.0
	Min:	0.2	0.2	0.0	0.0
	Max:	3.1	3.1	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.1	1.1	0.0	0.0
1976	C	1.6	1.6	0.0	0.0
1977	C	3.0	3.0	0.0	0.0
1978	AN	2.3	2.3	0.0	0.0
1979	BN	1.3	1.3	0.0	0.0
1980	AN	0.9	0.9	0.0	0.0
1981	D	1.5	1.5	0.0	0.0
1982	W	0.2	0.2	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	0.9	0.9	0.0	0.0
1985	D	2.0	2.0	0.0	0.0
1986	W	1.4	1.4	0.0	0.0
1987	D	1.7	1.7	0.0	0.0
1988	C	2.2	2.2	0.0	0.0
1989	D	1.2	1.2	0.0	0.0
1990	C	2.2	2.2	0.1	4.6
1991	C	1.9	1.9	0.0	0.0
Mean:		1.5	1.5	0.0	0.3
Median:		1.5	1.5	0.0	0.0
Min:		0.1	0.1	0.0	0.0
Max:		3.0	3.0	0.1	4.6
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.8	0.8	0.0	0.0
1976	C	1.6	1.6	0.0	0.0
1977	C	2.4	2.4	0.0	0.0
1978	AN	1.5	1.5	0.0	0.0
1979	BN	0.9	0.9	0.0	0.0
1980	AN	0.9	0.9	0.0	0.0
1981	D	1.1	1.1	0.0	0.0
1982	W	0.8	0.8	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	1.0	1.0	0.0	0.0
1985	D	1.7	1.8	0.1	5.9
1986	W	1.1	1.1	0.0	0.0
1987	D	1.8	1.8	0.0	0.0
1988	C	1.8	1.8	0.0	0.0
1989	D	1.5	1.5	0.1	6.7
1990	C	1.8	1.8	0.0	0.0
1991	C	1.7	1.7	0.0	0.0
Mean:		1.3	1.3	0.0	0.7
Median:		1.5	1.5	0.0	0.0
Min:		0.1	0.1	0.0	0.0
Max:		2.4	2.4	0.1	6.7
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.9	0.9	0.0	0.0
1976	C	1.6	1.6	0.0	0.0
1977	C	2.3	2.5	0.1	4.3
1978	AN	1.0	1.0	0.0	0.0
1979	BN	1.1	1.1	0.0	0.0
1980	AN	1.1	1.1	0.0	0.0
1981	D	1.3	1.3	0.0	0.0
1982	W	0.8	0.8	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	1.3	1.3	0.0	0.0
1985	D	1.5	1.6	0.0	0.0
1986	W	1.1	1.1	0.0	0.0
1987	D	1.6	1.7	0.1	6.1
1988	C	1.8	1.9	0.1	5.7
1989	D	1.2	1.3	0.0	0.0
1990	C	1.7	1.9	0.2	11.7
1991	C	1.7	1.8	0.1	6.0
Mean:		1.3	1.3	0.0	2.0
Median:		1.3	1.3	0.0	0.0
Min:		0.1	0.1	0.0	0.0
Max:		2.3	2.5	0.2	11.7
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					1

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.8	0.8	0.0	0.0
1976	C	1.2	1.2	0.0	0.0
1977	C	1.9	2.0	0.1	5.3
1978	AN	0.9	0.9	0.0	0.0
1979	BN	1.0	1.0	0.0	0.0
1980	AN	0.9	0.9	0.0	0.0
1981	D	1.0	1.0	0.0	0.0
1982	W	0.9	0.9	0.0	0.0
1983	W	0.7	0.7	0.0	0.0
1984	W	1.0	1.0	0.0	0.0
1985	D	1.1	1.1	0.0	0.0
1986	W	1.1	1.1	0.0	0.0
1987	D	1.2	1.2	0.0	0.0
1988	C	2.2	2.2	0.0	0.0
1989	D	1.1	1.1	0.0	0.0
1990	C	2.0	2.0	0.0	0.0
1991	C	1.9	1.9	0.0	0.0
Mean:		1.2	1.2	0.0	0.3
Median:		1.1	1.1	0.0	0.0
Min:		0.7	0.7	0.0	0.0
Max:		2.2	2.2	0.1	5.3
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.8	0.8	0.0	0.0
1976	C	1.0	1.0	0.0	0.0
1977	C	1.7	1.7	0.0	0.0
1978	AN	0.9	0.9	0.0	0.0
1979	BN	0.9	0.9	0.0	0.0
1980	AN	0.7	0.7	0.0	0.0
1981	D	0.8	0.8	0.0	0.0
1982	W	0.8	0.8	0.0	0.0
1983	W	0.7	0.7	0.0	0.0
1984	W	0.8	0.8	0.0	0.0
1985	D	0.8	0.8	0.0	0.0
1986	W	1.0	1.0	0.0	0.0
1987	D	1.0	1.0	0.0	0.0
1988	C	2.3	2.3	0.0	0.0
1989	D	0.8	0.8	0.0	0.0
1990	C	2.1	2.0	-0.1	-4.7
1991	C	1.9	1.9	-0.1	-5.2
Mean:		1.1	1.1	0.0	-0.6
Median:		0.9	0.9	0.0	0.0
Min:		0.7	0.7	-0.1	-5.2
Max:		2.3	2.3	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Hwy 4 (CCWD Los Vaqueros) DOC

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.6	0.6	0.0	0.0
1976	C	0.7	0.7	0.0	0.0
1977	C	1.4	1.3	0.0	0.0
1978	AN	0.7	0.7	0.0	0.0
1979	BN	0.8	0.7	0.0	0.0
1980	AN	0.6	0.6	0.0	0.0
1981	D	0.6	0.6	0.0	0.0
1982	W	0.6	0.5	0.0	0.0
1983	W	0.5	0.5	0.0	0.0
1984	W	0.6	0.6	0.0	0.0
1985	D	0.6	0.6	0.0	0.0
1986	W	0.7	0.8	0.0	0.0
1987	D	0.8	0.8	0.0	0.0
1988	C	1.6	1.6	0.0	0.0
1989	D	0.7	0.6	0.0	0.0
1990	C	1.6	1.5	-0.1	-6.4
1991	C	1.5	1.4	0.0	0.0
	Mean:	0.9	0.8	0.0	-0.4
	Median:	0.7	0.7	0.0	0.0
	Min:	0.5	0.5	-0.1	-6.4
	Max:	1.6	1.6	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Long-term and Water Year Type Average DOC at the Old River at Rock Slough (CCWD Intake) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Dissolved Organic Carbon (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	0.5	0.6	0.7	1.2	1.7	1.5	1.2	1.1	1.0	0.9	0.8	0.6
NEPA Yuba Accord Alternative	0.5	0.5	0.7	1.2	1.7	1.5	1.2	1.1	1.0	0.9	0.8	0.6
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference ³	0.0	-1.8	-1.5	0.0	0.0	0.0	0.8	0.0	3.2	0.0	-2.5	-1.6
Water Year Types¹												
Wet												
NEPA No Action Alternative	0.4	0.5	0.8	1.2	1.4	1.5	1.0	0.7	0.7	0.7	0.6	0.5
NEPA Yuba Accord Alternative	0.4	0.5	0.8	1.2	1.4	1.5	1.0	0.7	0.7	0.7	0.6	0.5
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.4	-1.6	-2.1
Above Normal												
NEPA No Action Alternative	0.8	0.6	0.7	1.9	3.5	1.8	1.4	1.0	0.9	0.7	0.6	0.5
NEPA Yuba Accord Alternative	0.8	0.6	0.7	1.9	3.5	1.8	1.4	1.0	0.9	0.7	0.6	0.5
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	-1.7	-2.1
Below Normal												
NEPA No Action Alternative	0.5	0.5	0.5	1.5	2.7	1.9	1.2	0.8	0.8	0.7	0.6	0.6
NEPA Yuba Accord Alternative	0.5	0.5	0.5	1.5	2.7	1.9	1.2	0.8	0.8	0.7	0.6	0.6
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.0	0.0	-1.4	-1.6	-1.8
Dry												
NEPA No Action Alternative	0.6	0.6	0.6	0.9	1.1	1.1	1.1	1.2	1.0	0.8	0.6	0.5
NEPA Yuba Accord Alternative	0.6	0.6	0.6	0.9	1.1	1.1	1.1	1.2	1.0	0.8	0.6	0.5
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.9	0.9	2.5	3.0	0.0	-1.6	0.0
Critical												
NEPA No Action Alternative	0.6	0.6	0.6	1.0	1.4	1.5	1.5	1.4	1.3	1.2	1.2	0.9
NEPA Yuba Accord Alternative	0.6	0.5	0.6	1.0	1.4	1.5	1.5	1.4	1.3	1.2	1.2	0.9
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Percent Difference	-1.8	-1.8	-1.7	0.0	-0.7	0.0	0.7	0.7	5.6	0.8	-2.5	-3.2

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Old River at Rock Slough (CCWD Intake) DOC

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.2	0.2	0.0	0.0
1976	C	0.3	0.3	0.0	0.0
1977	C	0.5	0.5	0.0	0.0
1978	AN	1.1	1.1	0.0	0.0
1979	BN	0.5	0.5	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.5	0.5	0.0	0.0
1982	W	0.4	0.4	0.0	0.0
1983	W	0.4	0.4	0.0	0.0
1984	W	0.6	0.6	0.0	0.0
1985	D	0.4	0.4	0.0	0.0
1986	W	0.4	0.4	0.0	0.0
1987	D	0.5	0.5	0.0	0.0
1988	C	0.6	0.6	0.0	0.0
1989	D	0.9	0.9	0.0	0.0
1990	C	0.4	0.4	0.0	0.0
1991	C	0.9	0.9	0.0	0.0
	Mean:	0.5	0.5	0.0	0.0
	Median:	0.5	0.5	0.0	0.0
	Min:	0.2	0.2	0.0	0.0
	Max:	1.1	1.1	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Rock Slough (CCWD Intake) DOC

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.3	0.3	0.0	0.0
1976	C	0.3	0.3	0.0	0.0
1977	C	0.5	0.5	0.0	0.0
1978	AN	0.9	0.9	0.0	0.0
1979	BN	0.5	0.5	0.0	0.0
1980	AN	0.4	0.4	0.0	0.0
1981	D	0.5	0.5	0.0	0.0
1982	W	0.4	0.4	0.0	0.0
1983	W	0.7	0.7	0.0	0.0
1984	W	0.6	0.6	0.0	0.0
1985	D	0.5	0.5	0.0	0.0
1986	W	0.5	0.5	0.0	0.0
1987	D	0.5	0.5	0.0	0.0
1988	C	0.6	0.6	0.0	0.0
1989	D	0.7	0.7	0.0	0.0
1990	C	0.5	0.4	0.0	0.0
1991	C	0.8	0.8	0.0	0.0
	Mean:	0.5	0.5	0.0	0.0
	Median:	0.5	0.5	0.0	0.0
	Min:	0.3	0.3	0.0	0.0
	Max:	0.9	0.9	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Rock Slough (CCWD Intake) DOC

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.4	0.4	0.0	0.0
1976	C	0.4	0.4	0.0	0.0
1977	C	0.6	0.6	0.0	0.0
1978	AN	0.8	0.8	0.0	0.0
1979	BN	0.5	0.5	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.5	0.5	0.0	0.0
1982	W	0.6	0.6	0.0	0.0
1983	W	2.1	2.1	0.0	0.0
1984	W	0.4	0.4	0.0	0.0
1985	D	0.7	0.7	0.0	0.0
1986	W	0.7	0.7	0.0	0.0
1987	D	0.6	0.6	0.0	0.0
1988	C	0.6	0.6	0.0	0.0
1989	D	0.7	0.7	0.0	0.0
1990	C	0.5	0.5	0.0	0.0
1991	C	0.9	0.9	0.0	0.0
	Mean:	0.7	0.7	0.0	0.0
	Median:	0.6	0.6	0.0	0.0
	Min:	0.4	0.4	0.0	0.0
	Max:	2.1	2.1	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Rock Slough (CCWD Intake) DOC

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.7	0.7	0.0	0.0
1976	C	0.7	0.7	0.0	0.0
1977	C	1.3	1.3	0.0	0.0
1978	AN	2.2	2.2	0.0	0.0
1979	BN	1.5	1.5	0.0	0.0
1980	AN	1.5	1.5	0.0	0.0
1981	D	0.7	0.8	0.0	0.0
1982	W	2.3	2.3	0.0	0.0
1983	W	0.9	0.9	0.0	0.0
1984	W	1.2	1.2	0.0	0.0
1985	D	0.9	0.9	0.0	0.0
1986	W	1.1	1.1	0.0	0.0
1987	D	0.9	0.9	0.0	0.0
1988	C	0.9	0.9	0.0	0.0
1989	D	0.9	0.9	0.0	0.0
1990	C	0.7	0.7	0.0	0.0
1991	C	1.6	1.5	0.0	0.0
Mean:		1.2	1.2	0.0	0.0
Median:		0.9	0.9	0.0	0.0
Min:		0.7	0.7	0.0	0.0
Max:		2.3	2.3	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) DOC

February

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.2	1.2	0.0	0.0
1976	C	0.9	0.9	0.0	0.0
1977	C	1.8	1.8	0.0	0.0
1978	AN	2.5	2.5	0.0	0.0
1979	BN	2.7	2.7	0.0	0.0
1980	AN	4.4	4.4	0.0	0.0
1981	D	0.9	0.9	0.0	0.0
1982	W	1.5	1.5	0.0	0.0
1983	W	0.3	0.3	0.0	0.0
1984	W	1.1	1.1	0.0	0.0
1985	D	0.9	0.9	0.0	0.0
1986	W	2.8	2.8	0.0	0.0
1987	D	1.2	1.2	0.0	0.0
1988	C	1.1	1.1	0.0	0.0
1989	D	1.4	1.4	0.0	0.0
1990	C	1.0	0.9	0.0	0.0
1991	C	2.2	2.1	-0.1	-4.6
	Mean:	1.7	1.6	0.0	-0.3
	Median:	1.2	1.2	0.0	0.0
	Min:	0.3	0.3	-0.1	-4.6
	Max:	4.4	4.4	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Rock Slough (CCWD Intake) DOC

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.3	1.3	0.0	0.0
1976	C	1.0	1.0	0.0	0.0
1977	C	2.2	2.2	0.0	0.0
1978	AN	2.2	2.2	0.0	0.0
1979	BN	1.9	1.9	0.0	0.0
1980	AN	1.5	1.5	0.0	0.0
1981	D	0.9	0.9	0.0	0.0
1982	W	1.6	1.6	0.0	0.0
1983	W	0.4	0.4	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	1.2	1.2	0.0	0.0
1986	W	3.6	3.6	0.0	0.0
1987	D	1.2	1.2	0.0	0.0
1988	C	1.7	1.7	0.0	0.0
1989	D	0.9	0.9	0.0	0.0
1990	C	1.2	1.2	0.0	0.0
1991	C	1.3	1.3	0.0	0.0
	Mean:	1.5	1.5	0.0	0.0
	Median:	1.3	1.3	0.0	0.0
	Min:	0.4	0.4	0.0	0.0
	Max:	3.6	3.6	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Rock Slough (CCWD Intake) DOC

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.0	1.0	0.0	0.0
1976	C	1.1	1.1	0.0	0.0
1977	C	2.0	2.0	0.0	0.0
1978	AN	2.0	2.0	0.0	0.0
1979	BN	1.1	1.2	0.0	0.0
1980	AN	0.8	0.8	0.0	0.0
1981	D	1.1	1.1	0.0	0.0
1982	W	0.6	0.6	0.0	0.0
1983	W	0.3	0.3	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	1.5	1.5	0.0	0.0
1986	W	2.3	2.3	0.0	0.0
1987	D	1.1	1.1	0.0	0.0
1988	C	1.5	1.5	0.0	0.0
1989	D	0.8	0.8	0.0	0.0
1990	C	1.5	1.5	0.0	0.0
1991	C	1.3	1.3	0.0	0.0
	Mean:	1.2	1.2	0.0	0.0
	Median:	1.1	1.1	0.0	0.0
	Min:	0.3	0.3	0.0	0.0
	Max:	2.3	2.3	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Old River at Rock Slough (CCWD Intake) DOC

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.6	0.6	0.0	0.0
1976	C	1.3	1.3	0.0	0.0
1977	C	1.7	1.7	0.0	0.0
1978	AN	1.1	1.1	0.0	0.0
1979	BN	0.8	0.8	0.0	0.0
1980	AN	0.8	0.8	0.0	0.0
1981	D	1.0	1.0	0.0	0.0
1982	W	0.8	0.8	0.0	0.0
1983	W	0.3	0.3	0.0	0.0
1984	W	0.9	0.9	0.0	0.0
1985	D	1.4	1.4	0.1	7.3
1986	W	0.9	0.9	0.0	0.0
1987	D	1.4	1.4	0.0	0.0
1988	C	1.3	1.3	0.0	0.0
1989	D	1.0	1.1	0.0	0.0
1990	C	1.3	1.3	0.0	0.0
1991	C	1.3	1.3	0.0	0.0
Mean:		1.0	1.1	0.0	0.4
Median:		1.0	1.1	0.0	0.0
Min:		0.3	0.3	0.0	0.0
Max:		1.7	1.7	0.1	7.3
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) DOC

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.6	0.6	0.0	0.0
1976	C	1.2	1.2	0.0	0.0
1977	C	1.6	1.7	0.1	6.3
1978	AN	0.9	0.9	0.0	0.0
1979	BN	0.8	0.8	0.0	0.0
1980	AN	0.9	0.9	0.0	0.0
1981	D	0.9	0.9	0.0	0.0
1982	W	0.7	0.7	0.0	0.0
1983	W	0.2	0.2	0.0	0.0
1984	W	1.0	1.0	0.0	0.0
1985	D	1.1	1.1	0.0	0.0
1986	W	0.9	0.9	0.0	0.0
1987	D	1.1	1.2	0.1	8.8
1988	C	1.2	1.3	0.1	8.2
1989	D	0.8	0.9	0.0	0.0
1990	C	1.2	1.3	0.1	8.3
1991	C	1.1	1.2	0.1	9.1
Mean:		0.9	1.0	0.0	2.4
Median:		0.9	0.9	0.0	0.0
Min:		0.2	0.2	0.0	0.0
Max:		1.6	1.7	0.1	9.1
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) DOC

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.6	0.6	0.0	0.0
1976	C	0.9	0.9	0.0	0.0
1977	C	1.2	1.3	0.0	0.0
1978	AN	0.7	0.7	0.0	0.0
1979	BN	0.7	0.7	0.0	0.0
1980	AN	0.7	0.7	0.0	0.0
1981	D	0.8	0.8	0.0	0.0
1982	W	0.7	0.7	0.0	0.0
1983	W	0.6	0.6	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	0.8	0.8	0.0	0.0
1986	W	0.8	0.8	0.0	0.0
1987	D	0.8	0.9	0.0	0.0
1988	C	1.4	1.4	0.0	0.0
1989	D	0.8	0.8	0.0	0.0
1990	C	1.3	1.4	0.0	0.0
1991	C	1.2	1.2	0.0	0.0
Mean:		0.9	0.9	0.0	0.0
Median:		0.8	0.8	0.0	0.0
Min:		0.6	0.6	0.0	0.0
Max:		1.4	1.4	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) DOC

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.6	0.6	0.0	0.0
1976	C	0.7	0.7	0.0	0.0
1977	C	1.1	1.1	0.0	0.0
1978	AN	0.6	0.6	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.6	0.6	0.0	0.0
1982	W	0.6	0.6	0.0	0.0
1983	W	0.5	0.5	0.0	0.0
1984	W	0.6	0.6	0.0	0.0
1985	D	0.6	0.6	0.0	0.0
1986	W	0.8	0.8	0.0	0.0
1987	D	0.7	0.7	0.0	0.0
1988	C	1.6	1.5	0.0	0.0
1989	D	0.7	0.6	0.0	0.0
1990	C	1.4	1.4	-0.1	-7.0
1991	C	1.3	1.2	0.0	0.0
Mean:		0.8	0.8	0.0	-0.4
Median:		0.6	0.6	0.0	0.0
Min:		0.5	0.5	-0.1	-7.0
Max:		1.6	1.5	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Old River at Rock Slough (CCWD Intake) DOC

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.4	0.4	0.0	0.0
1976	C	0.6	0.6	0.0	0.0
1977	C	0.9	0.9	0.0	0.0
1978	AN	0.5	0.5	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.4	0.4	0.0	0.0
1981	D	0.4	0.4	0.0	0.0
1982	W	0.4	0.4	0.0	0.0
1983	W	0.4	0.4	0.0	0.0
1984	W	0.5	0.5	0.0	0.0
1985	D	0.4	0.4	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	0.6	0.6	0.0	0.0
1988	C	1.1	1.1	0.0	0.0
1989	D	0.5	0.5	0.0	0.0
1990	C	1.1	1.0	-0.1	-9.3
1991	C	1.0	1.0	0.0	0.0
	Mean:	0.6	0.6	0.0	-0.5
	Median:	0.5	0.5	0.0	0.0
	Min:	0.4	0.4	-0.1	-9.3
	Max:	1.1	1.1	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Long-term and Water Year Type Average DOC at West Canal at the mouth of CCF (SWP Banks) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Dissolved Organic Carbon (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	0.7	0.7	0.8	1.4	1.7	1.7	1.4	1.2	1.3	1.3	1.2	1.0
NEPA Yuba Accord Alternative	0.7	0.7	0.8	1.4	1.7	1.7	1.4	1.2	1.3	1.3	1.2	1.0
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference ³	-1.4	0.0	0.0	0.0	0.6	0.0	0.7	1.6	1.5	0.8	-0.8	-2.0
Water Year Types¹												
Wet												
NEPA No Action Alternative	0.4	0.5	0.6	1.2	1.2	0.9	0.5	0.5	0.8	0.9	0.9	0.7
NEPA Yuba Accord Alternative	0.4	0.5	0.6	1.2	1.2	0.9	0.5	0.5	0.8	0.9	0.9	0.7
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-2.3	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	-2.2	-1.4
Above Normal												
NEPA No Action Alternative	1.1	1.0	0.9	2.2	1.8	1.7	0.7	0.6	0.8	1.0	0.9	0.7
NEPA Yuba Accord Alternative	1.1	1.0	0.9	2.2	1.8	1.7	0.7	0.6	0.8	1.0	0.9	0.7
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.2	-1.4
Below Normal												
NEPA No Action Alternative	0.7	0.6	0.7	1.7	2.2	1.5	1.1	0.8	1.1	1.2	1.0	0.9
NEPA Yuba Accord Alternative	0.6	0.6	0.7	1.7	2.3	1.5	1.1	0.8	1.1	1.2	1.0	0.9
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-1.5	0.0	0.0	0.6	0.4	0.0	0.0	0.0	0.0	-0.8	-2.9	-2.3
Dry												
NEPA No Action Alternative	0.8	0.8	0.9	1.4	1.7	1.9	1.9	1.5	1.5	1.3	1.0	0.8
NEPA Yuba Accord Alternative	0.8	0.8	0.9	1.4	1.7	1.9	1.9	1.6	1.6	1.3	1.0	0.8
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Percent Difference	-1.2	0.0	0.0	0.0	0.6	0.0	0.0	2.6	3.9	0.0	-1.0	0.0
Critical												
NEPA No Action Alternative	0.8	0.8	0.9	1.4	2.1	2.3	2.3	2.1	1.9	1.9	1.9	1.7
NEPA Yuba Accord Alternative	0.8	0.8	0.9	1.4	2.1	2.3	2.3	2.1	1.9	2.0	1.9	1.6
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-2.4	-2.5	-1.1	-0.7	0.0	0.0	0.4	0.5	0.5	2.1	0.0	-2.4

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

West Canal at the mouth of CCF (SWP Banks) DOC

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.3	0.3	0.0	0.0
1976	C	0.5	0.5	0.0	0.0
1977	C	0.7	0.7	0.0	0.0
1978	AN	1.5	1.4	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.7	0.7	0.0	0.0
1981	D	0.6	0.6	0.0	0.0
1982	W	0.6	0.6	0.0	0.0
1983	W	0.3	0.3	0.0	0.0
1984	W	0.3	0.3	0.0	0.0
1985	D	0.6	0.6	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	0.7	0.7	0.0	0.0
1988	C	0.9	0.9	0.0	0.0
1989	D	1.5	1.4	0.0	0.0
1990	C	0.7	0.7	0.0	0.0
1991	C	1.4	1.3	-0.1	-7.1
Mean:		0.7	0.7	0.0	-0.4
Median:		0.6	0.6	0.0	0.0
Min:		0.3	0.3	-0.1	-7.1
Max:		1.5	1.4	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	0.4	0.4	0.0	0.0
1977	C	0.7	0.7	0.0	0.0
1978	AN	1.4	1.4	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.6	0.6	0.0	0.0
1981	D	0.7	0.7	0.0	0.0
1982	W	0.5	0.5	0.0	0.0
1983	W	0.7	0.7	0.0	0.0
1984	W	0.2	0.2	0.0	0.0
1985	D	0.7	0.7	0.0	0.0
1986	W	0.7	0.7	0.0	0.0
1987	D	0.7	0.7	0.0	0.0
1988	C	0.9	0.9	0.0	0.0
1989	D	1.1	1.1	0.0	0.0
1990	C	0.7	0.6	0.0	0.0
1991	C	1.2	1.2	0.0	0.0
	Mean:	0.7	0.7	0.0	0.0
	Median:	0.7	0.7	0.0	0.0
	Min:	0.2	0.2	0.0	0.0
	Max:	1.4	1.4	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

West Canal at the mouth of CCF (SWP Banks) DOC

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.6	0.6	0.0	0.0
1976	C	0.6	0.6	0.0	0.0
1977	C	0.8	0.8	0.0	0.0
1978	AN	1.2	1.2	0.0	0.0
1979	BN	0.7	0.7	0.0	0.0
1980	AN	0.7	0.7	0.0	0.0
1981	D	0.8	0.8	0.0	0.0
1982	W	0.9	0.9	0.0	0.0
1983	W	0.2	0.2	0.0	0.0
1984	W	0.1	0.1	0.0	0.0
1985	D	1.1	1.1	0.0	0.0
1986	W	0.9	0.9	0.0	0.0
1987	D	0.8	0.8	0.0	0.0
1988	C	0.8	0.8	0.0	0.0
1989	D	1.0	1.0	0.0	0.0
1990	C	0.8	0.8	0.0	0.0
1991	C	1.3	1.2	0.0	0.0
Mean:		0.8	0.8	0.0	0.0
Median:		0.8	0.8	0.0	0.0
Min:		0.1	0.1	0.0	0.0
Max:		1.3	1.2	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

January					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.1	1.1	0.0	0.0
1976	C	1.0	1.1	0.0	0.0
1977	C	1.5	1.5	0.0	0.0
1978	AN	3.0	3.0	0.0	0.0
1979	BN	1.7	1.7	0.0	0.0
1980	AN	1.3	1.3	0.0	0.0
1981	D	1.2	1.2	0.0	0.0
1982	W	2.7	2.7	0.0	0.0
1983	W	0.2	0.2	0.0	0.0
1984	W	0.1	0.1	0.0	0.0
1985	D	1.5	1.5	0.0	0.0
1986	W	1.7	1.7	0.0	0.0
1987	D	1.4	1.4	0.0	0.0
1988	C	1.5	1.5	0.0	0.0
1989	D	1.3	1.3	0.0	0.0
1990	C	1.1	1.1	0.0	0.0
1991	C	1.7	1.7	0.0	0.0
	Mean:	1.4	1.4	0.0	0.0
	Median:	1.4	1.4	0.0	0.0
	Min:	0.1	0.1	0.0	0.0
	Max:	3.0	3.0	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

West Canal at the mouth of CCF (SWP Banks) DOC

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.6	1.6	0.0	0.0
1976	C	1.6	1.6	0.0	0.0
1977	C	2.5	2.5	0.0	0.0
1978	AN	3.2	3.2	0.0	0.0
1979	BN	2.2	2.2	0.0	0.0
1980	AN	0.4	0.4	0.0	0.0
1981	D	1.6	1.6	0.0	0.0
1982	W	1.5	1.5	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	1.5	1.5	0.0	0.0
1986	W	2.0	2.0	0.0	0.0
1987	D	2.0	2.0	0.0	0.0
1988	C	2.1	2.1	0.0	0.0
1989	D	1.8	1.8	0.0	0.0
1990	C	1.7	1.7	0.0	0.0
1991	C	2.6	2.6	0.0	0.0
	Mean:	1.7	1.7	0.0	0.0
	Median:	1.7	1.7	0.0	0.0
	Min:	0.1	0.1	0.0	0.0
	Max:	3.2	3.2	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

West Canal at the mouth of CCF (SWP Banks) DOC

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.4	1.4	0.0	0.0
1976	C	1.7	1.7	0.0	0.0
1977	C	2.9	2.9	0.0	0.0
1978	AN	2.3	2.3	0.0	0.0
1979	BN	1.5	1.5	0.0	0.0
1980	AN	1.0	1.0	0.0	0.0
1981	D	1.7	1.7	0.0	0.0
1982	W	1.5	1.5	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	0.9	0.9	0.0	0.0
1985	D	1.8	1.8	0.0	0.0
1986	W	0.4	0.4	0.0	0.0
1987	D	2.2	2.2	0.0	0.0
1988	C	2.3	2.3	0.0	0.0
1989	D	2.0	2.0	0.0	0.0
1990	C	2.2	2.2	0.0	0.0
1991	C	2.4	2.3	0.0	0.0
Mean:		1.7	1.7	0.0	0.0
Median:		1.7	1.7	0.0	0.0
Min:		0.1	0.1	0.0	0.0
Max:		2.9	2.9	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.9	0.9	0.0	0.0
1976	C	1.7	1.7	0.0	0.0
1977	C	3.1	3.1	0.0	0.0
1978	AN	0.8	0.8	0.0	0.0
1979	BN	1.1	1.1	0.0	0.0
1980	AN	0.6	0.6	0.0	0.0
1981	D	1.7	1.7	0.0	0.0
1982	W	0.2	0.2	0.0	0.0
1983	W	0.0	0.0	0.0	0.0
1984	W	0.9	0.9	0.0	0.0
1985	D	2.3	2.3	0.0	0.0
1986	W	0.2	0.2	0.0	0.0
1987	D	2.1	2.1	0.0	0.0
1988	C	2.4	2.4	0.0	0.0
1989	D	1.5	1.5	0.0	0.0
1990	C	2.2	2.2	0.1	4.6
1991	C	1.9	1.9	0.0	0.0
Mean:		1.4	1.4	0.0	0.3
Median:		1.5	1.5	0.0	0.0
Min:		0.0	0.0	0.0	0.0
Max:		3.1	3.1	0.1	4.6
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.6	0.6	0.0	0.0
1976	C	1.6	1.6	0.0	0.0
1977	C	2.8	2.8	0.0	0.0
1978	AN	0.5	0.5	0.0	0.0
1979	BN	0.8	0.8	0.0	0.0
1980	AN	0.6	0.6	0.0	0.0
1981	D	1.1	1.1	0.0	0.0
1982	W	0.2	0.2	0.0	0.0
1983	W	0.0	0.0	0.0	0.0
1984	W	0.9	0.9	0.0	0.0
1985	D	1.7	1.8	0.1	5.8
1986	W	0.7	0.7	0.0	0.0
1987	D	1.8	1.8	0.0	0.0
1988	C	2.0	2.0	0.0	0.0
1989	D	1.5	1.5	0.0	0.0
1990	C	2.1	2.1	0.0	0.0
1991	C	1.8	1.8	0.0	0.0
Mean:		1.2	1.2	0.0	0.3
Median:		1.1	1.1	0.0	0.0
Min:		0.0	0.0	0.0	0.0
Max:		2.8	2.8	0.1	5.8
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.9	0.9	0.0	0.0
1976	C	1.8	1.8	0.0	0.0
1977	C	2.5	2.5	0.0	0.0
1978	AN	0.7	0.7	0.0	0.0
1979	BN	1.1	1.1	0.0	0.0
1980	AN	0.9	1.0	0.0	0.0
1981	D	1.4	1.4	0.0	0.0
1982	W	0.6	0.6	0.0	0.0
1983	W	0.0	0.0	0.0	0.0
1984	W	1.3	1.3	0.0	0.0
1985	D	1.6	1.7	0.1	6.3
1986	W	0.9	0.9	0.0	0.0
1987	D	1.8	1.8	0.1	5.6
1988	C	1.7	1.7	0.0	0.0
1989	D	1.4	1.5	0.1	6.9
1990	C	1.7	1.7	0.0	0.0
1991	C	1.6	1.6	0.0	0.0
Mean:		1.3	1.3	0.0	1.1
Median:		1.4	1.4	0.0	0.0
Min:		0.0	0.0	0.0	0.0
Max:		2.5	2.5	0.1	6.9
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	1.0	1.0	0.0	0.0
1976	C	1.4	1.4	0.0	0.0
1977	C	2.2	2.3	0.1	4.5
1978	AN	1.0	1.0	0.0	0.0
1979	BN	1.2	1.2	0.0	0.0
1980	AN	1.0	1.1	0.0	0.0
1981	D	1.2	1.1	0.0	0.0
1982	W	0.9	0.9	0.0	0.0
1983	W	0.4	0.4	0.0	0.0
1984	W	1.2	1.2	0.0	0.0
1985	D	1.3	1.2	0.0	0.0
1986	W	1.2	1.2	0.0	0.0
1987	D	1.4	1.5	0.1	7.2
1988	C	2.0	2.1	0.1	5.0
1989	D	1.3	1.3	0.0	0.0
1990	C	2.0	2.1	0.1	5.0
1991	C	1.9	2.0	0.0	0.0
Mean:		1.3	1.3	0.0	1.3
Median:		1.2	1.2	0.0	0.0
Min:		0.4	0.4	0.0	0.0
Max:		2.2	2.3	0.1	7.2
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.9	0.9	0.0	0.0
1976	C	1.1	1.1	0.0	0.0
1977	C	1.9	2.0	0.0	0.0
1978	AN	1.0	1.0	0.0	0.0
1979	BN	1.0	1.0	0.0	0.0
1980	AN	0.8	0.8	0.0	0.0
1981	D	1.0	0.9	0.0	0.0
1982	W	0.9	0.9	0.0	0.0
1983	W	0.7	0.7	0.0	0.0
1984	W	0.9	0.9	0.0	0.0
1985	D	0.9	0.9	0.0	0.0
1986	W	1.2	1.1	0.0	0.0
1987	D	1.2	1.2	0.0	0.0
1988	C	2.3	2.3	0.0	0.0
1989	D	1.0	0.9	0.0	0.0
1990	C	2.2	2.1	0.0	0.0
1991	C	2.1	2.0	0.0	0.0
Mean:		1.2	1.2	0.0	0.0
Median:		1.0	1.0	0.0	0.0
Min:		0.7	0.7	0.0	0.0
Max:		2.3	2.3	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

West Canal at the mouth of CCF (SWP Banks) DOC

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.7	0.7	0.0	0.0
1976	C	0.9	0.9	0.0	0.0
1977	C	1.7	1.6	0.0	0.0
1978	AN	0.8	0.8	0.0	0.0
1979	BN	0.9	0.9	0.0	0.0
1980	AN	0.7	0.7	0.0	0.0
1981	D	0.7	0.7	0.0	0.0
1982	W	0.6	0.6	0.0	0.0
1983	W	0.6	0.6	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	0.7	0.7	0.0	0.0
1986	W	0.9	0.9	0.0	0.0
1987	D	1.0	1.0	0.0	0.0
1988	C	2.0	2.0	0.0	0.0
1989	D	0.8	0.8	0.0	0.0
1990	C	1.9	1.8	-0.1	-5.3
1991	C	1.9	1.8	-0.1	-5.4
	Mean:	1.0	1.0	0.0	-0.6
	Median:	0.8	0.8	0.0	0.0
	Min:	0.6	0.6	-0.1	-5.4
	Max:	2.0	2.0	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Long-term and Water Year Type Average DOC at the Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Dissolved Organic Carbon (mg/L)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	0.6	0.7	0.6	0.9	1.0	0.9	1.0	1.0	1.0	1.1	1.1	0.8
NEPA Yuba Accord Alternative	0.6	0.7	0.6	0.9	1.0	0.9	1.0	1.0	1.0	1.1	1.1	0.8
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference ³	0.0	-1.5	0.0	0.0	1.0	1.2	0.0	1.0	2.0	0.9	-0.9	-1.3
Water Year Types¹												
Wet												
NEPA No Action Alternative	0.3	0.4	0.4	0.8	0.3	0.3	0.3	0.4	0.5	0.7	0.7	0.5
NEPA Yuba Accord Alternative	0.3	0.4	0.4	0.8	0.3	0.3	0.3	0.4	0.5	0.7	0.7	0.5
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-3.2	0.0	0.0	1.3	0.0	0.0	3.7	0.0	2.2	-1.4	-1.4	0.0
Above Normal												
NEPA No Action Alternative	1.0	0.9	0.7	1.0	0.7	0.5	0.3	0.3	0.4	0.8	0.8	0.6
NEPA Yuba Accord Alternative	1.0	0.9	0.7	1.0	0.7	0.5	0.3	0.3	0.4	0.8	0.8	0.5
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3	-2.6	-1.8
Below Normal												
NEPA No Action Alternative	0.6	0.6	0.5	0.8	0.5	0.3	0.7	0.6	0.9	1.0	0.9	0.6
NEPA Yuba Accord Alternative	0.6	0.6	0.5	0.8	0.5	0.3	0.7	0.6	0.9	1.0	0.8	0.6
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-1.0	-2.3	-1.6
Dry												
NEPA No Action Alternative	0.8	0.7	0.7	0.9	1.2	1.1	1.5	1.3	1.3	1.1	0.9	0.6
NEPA Yuba Accord Alternative	0.8	0.7	0.7	0.9	1.2	1.1	1.5	1.3	1.3	1.1	0.9	0.6
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3	0.0	-1.1	0.0
Critical												
NEPA No Action Alternative	0.8	0.7	0.6	1.1	1.6	1.5	1.8	1.8	1.6	1.8	1.8	1.4
NEPA Yuba Accord Alternative	0.8	0.7	0.6	1.1	1.6	1.5	1.8	1.8	1.7	1.8	1.8	1.3
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-2.6	-1.4	0.0	0.9	0.6	0.0	0.6	0.6	1.8	2.3	-1.1	-3.0

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

October					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.3	0.3	0.0	0.0
1976	C	0.4	0.4	0.0	0.0
1977	C	0.7	0.7	0.0	0.0
1978	AN	1.3	1.3	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.6	0.6	0.0	0.0
1981	D	0.6	0.6	0.0	0.0
1982	W	0.6	0.6	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	0.0	0.0	0.0	0.0
1985	D	0.6	0.6	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	0.6	0.6	0.0	0.0
1988	C	0.8	0.8	0.0	0.0
1989	D	1.3	1.3	0.0	0.0
1990	C	0.6	0.6	0.0	0.0
1991	C	1.3	1.2	0.0	0.0
	Mean:	0.6	0.6	0.0	0.0
	Median:	0.6	0.6	0.0	0.0
	Min:	0.0	0.0	0.0	0.0
	Max:	1.3	1.3	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

November					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	0.4	0.4	0.0	0.0
1977	C	0.7	0.6	0.0	0.0
1978	AN	1.2	1.2	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.7	0.7	0.0	0.0
1982	W	0.5	0.5	0.0	0.0
1983	W	0.6	0.6	0.0	0.0
1984	W	0.0	0.0	0.0	0.0
1985	D	0.7	0.7	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	0.7	0.7	0.0	0.0
1988	C	0.8	0.8	0.0	0.0
1989	D	1.0	1.0	0.0	0.0
1990	C	0.7	0.6	0.0	0.0
1991	C	1.1	1.1	0.0	0.0
Mean:		0.7	0.7	0.0	0.0
Median:		0.7	0.6	0.0	0.0
Min:		0.0	0.0	0.0	0.0
Max:		1.2	1.2	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

December					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	0.4	0.5	0.0	0.0
1977	C	0.5	0.5	0.0	0.0
1978	AN	0.9	0.9	0.0	0.0
1979	BN	0.5	0.5	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.6	0.6	0.0	0.0
1982	W	0.7	0.7	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	0.2	0.2	0.0	0.0
1985	D	0.8	0.8	0.0	0.0
1986	W	0.7	0.7	0.0	0.0
1987	D	0.5	0.5	0.0	0.0
1988	C	0.7	0.7	0.0	0.0
1989	D	0.8	0.8	0.0	0.0
1990	C	0.5	0.5	0.0	0.0
1991	C	1.0	1.0	0.0	0.0
	Mean:	0.6	0.6	0.0	0.0
	Median:	0.5	0.5	0.0	0.0
	Min:	0.1	0.1	0.0	0.0
	Max:	1.0	1.0	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.9	0.9	0.0	0.0
1976	C	0.9	0.9	0.0	0.0
1977	C	1.3	1.3	0.0	0.0
1978	AN	1.7	1.7	0.0	0.0
1979	BN	0.8	0.8	0.0	0.0
1980	AN	0.3	0.3	0.0	0.0
1981	D	0.7	0.7	0.0	0.0
1982	W	1.0	1.0	0.0	0.0
1983	W	0.7	0.7	0.0	0.0
1984	W	0.1	0.1	0.0	0.0
1985	D	1.1	1.1	0.0	0.0
1986	W	1.2	1.2	0.0	0.0
1987	D	0.7	0.7	0.0	0.0
1988	C	1.2	1.2	0.0	0.0
1989	D	1.2	1.2	0.0	0.0
1990	C	0.9	0.9	0.0	0.0
1991	C	1.3	1.3	0.0	0.0
	Mean:	0.9	0.9	0.0	0.0
	Median:	0.9	0.9	0.0	0.0
	Min:	0.1	0.1	0.0	0.0
	Max:	1.7	1.7	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

February					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.7	0.7	0.0	0.0
1976	C	1.0	1.0	0.0	0.0
1977	C	2.0	2.0	0.0	0.0
1978	AN	1.2	1.2	0.0	0.0
1979	BN	0.5	0.5	0.0	0.0
1980	AN	0.2	0.2	0.0	0.0
1981	D	1.1	1.1	0.0	0.0
1982	W	0.1	0.1	0.0	0.0
1983	W	0.2	0.2	0.0	0.0
1984	W	0.1	0.1	0.0	0.0
1985	D	1.1	1.1	0.0	0.0
1986	W	0.4	0.4	0.0	0.0
1987	D	1.3	1.3	0.0	0.0
1988	C	1.9	1.9	0.0	0.0
1989	D	1.4	1.4	0.0	0.0
1990	C	1.5	1.5	0.0	0.0
1991	C	1.7	1.8	0.0	0.0
Mean:		1.0	1.0	0.0	0.0
Median:		1.1	1.1	0.0	0.0
Min:		0.1	0.1	0.0	0.0
Max:		2.0	2.0	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

March					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.4	0.4	0.0	0.0
1976	C	1.2	1.2	0.0	0.0
1977	C	1.7	1.7	0.0	0.0
1978	AN	0.8	0.8	0.0	0.0
1979	BN	0.3	0.3	0.0	0.0
1980	AN	0.1	0.1	0.0	0.0
1981	D	0.7	0.7	0.0	0.0
1982	W	0.2	0.2	0.0	0.0
1983	W	0.4	0.4	0.0	0.0
1984	W	0.3	0.3	0.0	0.0
1985	D	1.3	1.3	0.0	0.0
1986	W	0.1	0.1	0.0	0.0
1987	D	1.1	1.2	0.0	0.0
1988	C	1.4	1.4	0.0	0.0
1989	D	1.4	1.4	0.0	0.0
1990	C	1.6	1.6	0.0	0.0
1991	C	1.7	1.7	0.0	0.0
	Mean:	0.9	0.9	0.0	0.0
	Median:	0.8	0.8	0.0	0.0
	Min:	0.1	0.1	0.0	0.0
	Max:	1.7	1.7	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

April					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	1.4	1.4	0.0	0.0
1977	C	2.4	2.4	0.0	0.0
1978	AN	0.1	0.1	0.0	0.0
1979	BN	0.7	0.7	0.0	0.0
1980	AN	0.4	0.4	0.0	0.0
1981	D	1.2	1.2	0.0	0.0
1982	W	0.0	0.0	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	1.7	1.7	0.0	0.0
1986	W	0.0	0.0	0.0	0.0
1987	D	1.7	1.7	0.0	0.0
1988	C	1.9	1.9	0.0	0.0
1989	D	1.3	1.3	0.0	0.0
1990	C	1.8	1.9	0.0	0.0
1991	C	1.4	1.4	0.0	0.0
Mean:		1.0	1.0	0.0	0.0
Median:		1.2	1.2	0.0	0.0
Min:		0.0	0.0	0.0	0.0
Max:		2.4	2.4	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

May					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	1.5	1.5	0.0	0.0
1977	C	2.2	2.2	0.0	0.0
1978	AN	0.1	0.1	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.9	0.9	0.0	0.0
1982	W	0.1	0.1	0.0	0.0
1983	W	0.0	0.0	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	1.2	1.3	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	1.5	1.5	0.0	0.0
1988	C	1.8	1.8	0.0	0.0
1989	D	1.5	1.5	0.0	0.0
1990	C	1.8	1.9	0.0	0.0
1991	C	1.6	1.6	0.0	0.0
Mean:		1.0	1.0	0.0	0.0
Median:		0.9	0.9	0.0	0.0
Min:		0.0	0.0	0.0	0.0
Max:		2.2	2.2	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

June					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	1.5	1.5	0.0	0.0
1977	C	1.9	1.9	0.0	0.0
1978	AN	0.2	0.2	0.0	0.0
1979	BN	0.9	0.9	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	1.2	1.2	0.0	0.0
1982	W	0.2	0.2	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	1.0	1.0	0.0	0.0
1985	D	1.3	1.3	0.0	0.0
1986	W	0.5	0.5	0.0	0.0
1987	D	1.4	1.5	0.0	0.0
1988	C	1.6	1.7	0.0	0.0
1989	D	1.2	1.3	0.0	0.0
1990	C	1.6	1.7	0.1	6.2
1991	C	1.6	1.6	0.0	0.0
	Mean:	1.0	1.0	0.0	0.4
	Median:	1.2	1.2	0.0	0.0
	Min:	0.1	0.1	0.0	0.0
	Max:	1.9	1.9	0.1	6.2
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

July					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.8	0.8	0.0	0.0
1976	C	1.2	1.1	0.0	0.0
1977	C	2.0	2.0	0.1	5.1
1978	AN	0.8	0.8	0.0	0.0
1979	BN	1.0	1.0	0.0	0.0
1980	AN	0.7	0.8	0.0	0.0
1981	D	1.0	1.0	0.0	0.0
1982	W	0.7	0.7	0.0	0.0
1983	W	0.1	0.1	0.0	0.0
1984	W	1.0	1.0	0.0	0.0
1985	D	1.1	1.1	0.0	0.0
1986	W	0.9	0.9	0.0	0.0
1987	D	1.1	1.2	0.0	0.0
1988	C	2.0	2.1	0.1	5.0
1989	D	1.1	1.1	0.0	0.0
1990	C	1.8	1.9	0.1	5.5
1991	C	1.8	1.8	0.0	0.0
Mean:		1.1	1.1	0.0	0.9
Median:		1.0	1.0	0.0	0.0
Min:		0.1	0.1	0.0	0.0
Max:		2.0	2.1	0.1	5.5
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

August					
Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.7	0.7	0.0	0.0
1976	C	0.9	0.9	0.0	0.0
1977	C	1.8	1.8	0.0	0.0
1978	AN	0.9	0.8	0.0	0.0
1979	BN	0.9	0.8	0.0	0.0
1980	AN	0.7	0.7	0.0	0.0
1981	D	0.8	0.8	0.0	0.0
1982	W	0.8	0.7	0.0	0.0
1983	W	0.6	0.6	0.0	0.0
1984	W	0.7	0.7	0.0	0.0
1985	D	0.8	0.8	0.0	0.0
1986	W	1.0	1.0	0.0	0.0
1987	D	1.0	1.0	0.0	0.0
1988	C	2.2	2.2	0.0	0.0
1989	D	1.0	1.0	0.0	0.0
1990	C	2.0	2.0	-0.1	-4.9
1991	C	1.9	1.9	0.0	0.0
Mean:		1.1	1.1	0.0	-0.3
Median:		0.9	0.8	0.0	0.0
Min:		0.6	0.6	-0.1	-4.9
Max:		2.2	2.2	0.0	0.0
# Years Abs Diff < -0.4				0	
# Years Abs Diff > 0.4				0	
# Years Rel Diff <= -10%					0
# Years Rel Diff >= 10%					0

Delta-Mendota Canal at Tracy Pumping Plant (CVP Tracy) DOC

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Dissolved Organic Carbon (mg/L)	Dissolved Organic Carbon (mg/L)		
1975	W	0.5	0.5	0.0	0.0
1976	C	0.7	0.7	0.0	0.0
1977	C	1.4	1.3	0.0	0.0
1978	AN	0.6	0.6	0.0	0.0
1979	BN	0.6	0.6	0.0	0.0
1980	AN	0.5	0.5	0.0	0.0
1981	D	0.6	0.6	0.0	0.0
1982	W	0.4	0.4	0.0	0.0
1983	W	0.3	0.3	0.0	0.0
1984	W	0.6	0.6	0.0	0.0
1985	D	0.5	0.5	0.0	0.0
1986	W	0.6	0.6	0.0	0.0
1987	D	0.8	0.8	0.0	0.0
1988	C	1.7	1.6	0.0	0.0
1989	D	0.6	0.6	0.0	0.0
1990	C	1.5	1.4	-0.1	-6.7
1991	C	1.5	1.5	0.0	0.0
	Mean:	0.8	0.8	0.0	-0.4
	Median:	0.6	0.6	0.0	0.0
	Min:	0.3	0.3	-0.1	-6.7
	Max:	1.7	1.6	0.0	0.0
	# Years Abs Diff < -0.4			0	
	# Years Abs Diff > 0.4			0	
	# Years Rel Diff <= -10%				0
	# Years Rel Diff >= 10%				0

Long-term and Water Year Type Average Flow at the Old River at Bacon Island under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Flow (cfs)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	-3,055	-2,781	-2,704	-2,544	-1,585	-1,806	-691	-714	-1,520	-3,340	-3,148	-3,360
NEPA Yuba Accord Alternative	-3,101	-2,788	-2,702	-2,537	-1,592	-1,800	-691	-693	-1,438	-3,495	-3,232	-3,365
Difference	-46.6	-6.6	1.5	6.9	-6.6	5.9	0.1	21.0	81.7	-155.2	-83.7	-5.6
Percent Difference ³	1.5	0.2	-0.1	-0.3	0.4	-0.3	0.0	-2.9	-5.4	4.6	2.7	0.2
Water Year Types¹												
Wet												
NEPA No Action Alternative	-2,933	-3,274	-1,905	-1,301	-265	-383	154	-405	-1,020	-3,847	-4,086	-4,274
NEPA Yuba Accord Alternative	-3,004	-3,283	-1,905	-1,301	-265	-383	154	-405	-1,020	-3,976	-4,183	-4,275
Difference	-70.6	-8.8	-0.3	-0.2	-0.1	0.0	0.0	0.1	0.0	-129.1	-96.7	-1.1
Percent Difference	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.4	0.0
Above Normal												
NEPA No Action Alternative	-2,183	-2,216	-4,171	-3,129	-1,012	-2,189	-675	-623	-1,962	-4,832	-4,026	-4,466
NEPA Yuba Accord Alternative	-2,186	-2,216	-4,171	-3,129	-1,012	-2,189	-675	-623	-1,962	-4,942	-4,210	-4,334
Difference	-2.9	0.0	0.1	-0.1	-0.1	0.0	0.0	0.1	0.0	-110.0	-183.5	132.0
Percent Difference	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.6	-3.0
Below Normal												
NEPA No Action Alternative	-3,600	-3,289	-2,565	-3,120	-2,932	-2,542	-1,618	-1,343	-2,650	-3,475	-3,513	-3,229
NEPA Yuba Accord Alternative	-3,600	-3,290	-2,566	-3,120	-2,932	-2,543	-1,618	-1,343	-2,650	-3,588	-3,712	-3,232
Difference	-0.5	-0.5	-0.5	-0.5	0.2	-0.7	-0.2	0.0	0.0	-112.5	-198.7	-2.5
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.7	0.1
Dry												
NEPA No Action Alternative	-3,258	-3,013	-2,823	-3,422	-3,010	-3,200	-1,522	-874	-2,088	-4,187	-4,067	-3,715
NEPA Yuba Accord Alternative	-3,255	-3,010	-2,837	-3,423	-3,011	-3,194	-1,522	-784	-1,984	-4,429	-4,101	-3,750
Difference	3.0	3.0	-14.6	-1.4	-0.6	5.8	0.1	89.2	103.4	-242.1	-33.8	-35.0
Percent Difference	-0.1	-0.1	0.5	0.0	0.0	-0.2	0.0	-10.2	-5.0	5.8	0.8	0.9
Critical												
NEPA No Action Alternative	-3,253	-2,227	-2,847	-2,736	-1,725	-1,813	-693	-807	-1,162	-1,532	-1,050	-1,745
NEPA Yuba Accord Alternative	-3,342	-2,243	-2,830	-2,711	-1,746	-1,797	-693	-807	-967	-1,671	-1,098	-1,787
Difference	-89.0	-15.9	17.1	24.9	-21.8	15.6	0.3	-0.1	194.9	-138.3	-47.6	-42.1
Percent Difference	2.7	0.7	-0.6	-0.9	1.3	-0.9	0.0	0.0	-16.8	9.0	4.5	2.4

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Old River at Bacon Island Flow

October

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-4480.4	-4480.8	-0.5	0.0
1976	C	-5358.3	-5358.3	0.0	0.0
1977	C	-3546.2	-3688.6	-142.4	4.0
1978	AN	-452.0	-452.0	0.0	0.0
1979	BN	-3599.6	-3600.1	-0.5	0.0
1980	AN	-3914.0	-3919.8	-5.7	0.1
1981	D	-3698.9	-3705.4	-6.5	0.2
1982	W	-3500.2	-3570.2	-69.9	2.0
1983	W	-2735.6	-2735.6	0.0	0.0
1984	W	-577.9	-577.9	0.0	0.0
1985	D	-4308.8	-4308.7	0.0	0.0
1986	W	-3373.1	-3655.5	-282.5	8.4
1987	D	-3239.4	-3214.2	25.2	-0.8
1988	C	-2363.4	-2388.1	-24.7	1.0
1989	D	-1785.7	-1792.5	-6.8	0.4
1990	C	-3472.0	-3691.8	-219.8	6.3
1991	C	-1523.2	-1581.4	-58.3	3.8
	Mean:	-3054.6	-3101.2	-46.6	1.5
	Median:	-3472.0	-3600.1	-5.7	0.1
	Min:	-5358.3	-5358.3	-282.5	-0.8
	Max:	-452.0	-452.0	25.2	8.4

Old River at Bacon Island Flow

November

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3483.7	-3484.2	-0.5	0.0
1976	C	-4358.3	-4266.8	91.5	-2.1
1977	C	-1991.8	-2017.1	-25.3	1.3
1978	AN	-1010.2	-1010.2	0.0	0.0
1979	BN	-3289.4	-3289.9	-0.5	0.0
1980	AN	-3421.2	-3421.2	-0.1	0.0
1981	D	-2395.4	-2405.5	-10.1	0.4
1982	W	-5354.9	-5355.5	-0.6	0.0
1983	W	-4876.4	-4876.7	-0.3	0.0
1984	W	-27.7	-27.7	0.0	0.0
1985	D	-5274.0	-5274.3	-0.4	0.0
1986	W	-2628.4	-2670.9	-42.5	1.6
1987	D	-2568.9	-2543.5	25.4	-1.0
1988	C	-1685.4	-1712.7	-27.3	1.6
1989	D	-1814.7	-1817.8	-3.1	0.2
1990	C	-2366.8	-2427.8	-61.1	2.6
1991	C	-732.9	-790.2	-57.4	7.8
	Mean:	-2781.2	-2787.8	-6.6	0.7
	Median:	-2568.9	-2543.5	-0.5	0.0
	Min:	-5354.9	-5355.5	-61.1	-2.1
	Max:	-27.7	-27.7	91.5	7.8

Old River at Bacon Island Flow

December

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-4247.4	-4247.9	-0.5	0.0
1976	C	-4399.5	-4307.5	92.0	-2.1
1977	C	-1958.2	-1981.3	-23.1	1.2
1978	AN	-3747.6	-3747.3	0.3	0.0
1979	BN	-2565.1	-2565.6	-0.5	0.0
1980	AN	-4594.2	-4594.2	0.0	0.0
1981	D	-2720.9	-2730.7	-9.8	0.4
1982	W	-4590.8	-4591.7	-0.9	0.0
1983	W	307.8	307.7	-0.1	0.0
1984	W	3401.7	3401.8	0.2	0.0
1985	D	-4516.2	-4516.8	-0.6	0.0
1986	W	-4397.1	-4397.4	-0.2	0.0
1987	D	-2226.4	-2274.3	-47.9	2.2
1988	C	-4398.7	-4395.2	3.5	-0.1
1989	D	-1827.6	-1827.6	0.0	0.0
1990	C	-2628.4	-2609.8	18.6	-0.7
1991	C	-851.5	-857.2	-5.7	0.7
	Mean:	-2703.5	-2702.1	1.5	0.1
	Median:	-2720.9	-2730.7	-0.2	0.0
	Min:	-4594.2	-4594.2	-47.9	-2.1
	Max:	3401.7	3401.8	92.0	2.2

Old River at Bacon Island Flow

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-4124.9	-4125.4	-0.5	0.0
1976	C	-3288.6	-3144.8	143.8	-4.4
1977	C	-867.2	-867.4	-0.2	0.0
1978	AN	-3943.2	-3943.2	0.0	0.0
1979	BN	-3119.6	-3120.0	-0.5	0.0
1980	AN	-2314.4	-2314.6	-0.2	0.0
1981	D	-3688.3	-3689.3	-1.0	0.0
1982	W	-3146.9	-3147.1	-0.1	0.0
1983	W	4472.1	4472.1	0.0	0.0
1984	W	727.9	727.8	-0.1	0.0
1985	D	-3727.4	-3728.1	-0.6	0.0
1986	W	-4431.1	-4431.6	-0.4	0.0
1987	D	-3040.7	-3041.5	-0.8	0.0
1988	C	-4640.4	-4640.3	0.1	0.0
1989	D	-3230.0	-3233.0	-3.0	0.1
1990	C	-4510.5	-4529.6	-19.1	0.4
1991	C	-371.1	-371.2	0.0	0.0
	Mean:	-2543.8	-2536.9	6.9	-0.2
	Median:	-3230.0	-3147.1	-0.2	0.0
	Min:	-4640.4	-4640.3	-19.1	-4.4
	Max:	4472.1	4472.1	143.8	0.4

Old River at Bacon Island Flow

February

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3654.5	-3655.0	-0.5	0.0
1976	C	-2218.8	-2216.6	2.2	-0.1
1977	C	-925.1	-925.1	0.0	0.0
1978	AN	-2356.4	-2356.4	0.0	0.0
1979	BN	-2932.4	-2932.1	0.2	0.0
1980	AN	332.5	332.4	-0.1	0.0
1981	D	-4073.0	-4073.1	-0.1	0.0
1982	W	-1912.0	-1912.0	0.0	0.0
1983	W	6375.6	6375.9	0.3	0.0
1984	W	-1129.1	-1129.1	0.0	0.0
1985	D	-4002.3	-4002.7	-0.4	0.0
1986	W	-1006.5	-1006.5	-0.1	0.0
1987	D	-3327.4	-3329.0	-1.6	0.0
1988	C	-1893.7	-1925.3	-31.6	1.7
1989	D	-637.6	-637.8	-0.2	0.0
1990	C	-3108.3	-3096.3	12.1	-0.4
1991	C	-476.6	-568.4	-91.9	19.3
	Mean:	-1585.0	-1591.6	-6.6	1.2
	Median:	-1912.0	-1925.3	-0.1	0.0
	Min:	-4073.0	-4073.1	-91.9	-0.4
	Max:	6375.6	6375.9	12.1	19.3

Old River at Bacon Island Flow

March

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3343.4	-3343.5	-0.1	0.0
1976	C	-2074.2	-2074.2	0.0	0.0
1977	C	-307.0	-307.0	0.0	0.0
1978	AN	-2537.4	-2537.4	0.0	0.0
1979	BN	-2541.9	-2542.6	-0.7	0.0
1980	AN	-1840.4	-1840.4	0.0	0.0
1981	D	-2931.9	-2931.9	0.0	0.0
1982	W	-1881.1	-1881.1	0.0	0.0
1983	W	6364.7	6364.6	-0.1	0.0
1984	W	-3513.6	-3513.6	0.0	0.0
1985	D	-1954.3	-1953.8	0.5	0.0
1986	W	457.3	457.3	0.0	0.0
1987	D	-3485.7	-3462.6	23.1	-0.7
1988	C	-282.9	-314.7	-31.8	11.2
1989	D	-4429.3	-4429.6	-0.3	0.0
1990	C	-1749.0	-1637.9	111.1	-6.4
1991	C	-4652.4	-4653.7	-1.2	0.0
	Mean:	-1806.0	-1800.1	5.9	0.2
	Median:	-2074.2	-2074.2	0.0	0.0
	Min:	-4652.4	-4653.7	-31.8	-6.4
	Max:	6364.7	6364.6	111.1	11.2

Old River at Bacon Island Flow

April

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-1890.3	-1890.3	0.0	0.0
1976	C	-1040.7	-1040.6	0.1	0.0
1977	C	-434.4	-434.3	0.0	0.0
1978	AN	-161.6	-161.6	0.0	0.0
1979	BN	-1618.0	-1618.3	-0.2	0.0
1980	AN	-1187.4	-1187.4	0.0	0.0
1981	D	-1594.3	-1594.2	0.1	0.0
1982	W	1890.5	1890.5	0.0	0.0
1983	W	2484.1	2484.1	0.0	0.0
1984	W	-1983.0	-1983.0	0.0	0.0
1985	D	-1184.0	-1183.9	0.1	0.0
1986	W	268.8	268.8	0.0	0.0
1987	D	-1446.8	-1446.6	0.3	0.0
1988	C	-929.9	-930.3	-0.4	0.0
1989	D	-1861.6	-1861.7	0.0	0.0
1990	C	-373.3	-371.7	1.6	-0.4
1991	C	-687.0	-686.9	0.1	0.0
	Mean:	-691.1	-691.0	0.1	0.0
	Median:	-1040.7	-1040.6	0.0	0.0
	Min:	-1983.0	-1983.0	-0.4	-0.4
	Max:	2484.1	2484.1	1.6	0.0

Old River at Bacon Island Flow

May

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-1835.6	-1835.6	0.0	0.0
1976	C	-1081.5	-1081.5	0.0	0.0
1977	C	-310.3	-310.4	-0.1	0.0
1978	AN	-555.9	-555.9	0.0	0.0
1979	BN	-1342.9	-1342.9	0.0	0.0
1980	AN	-690.3	-690.1	0.2	0.0
1981	D	-1430.7	-1431.1	-0.3	0.0
1982	W	-20.3	-20.3	0.0	0.0
1983	W	1932.1	1932.1	0.0	0.0
1984	W	-1019.0	-1018.8	0.3	0.0
1985	D	-486.3	-328.2	158.1	-32.5
1986	W	-1081.0	-1080.7	0.3	0.0
1987	D	-504.3	-504.4	-0.1	0.0
1988	C	-1125.2	-1125.2	0.0	0.0
1989	D	-1073.1	-874.1	199.0	-18.5
1990	C	-728.3	-728.4	-0.2	0.0
1991	C	-791.6	-791.7	-0.1	0.0
	Mean:	-714.4	-693.4	21.0	-3.0
	Median:	-791.6	-791.7	0.0	0.0
	Min:	-1835.6	-1835.6	-0.3	-32.5
	Max:	1932.1	1932.1	199.0	0.0

Old River at Bacon Island Flow

June

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3563.1	-3563.1	0.0	0.0
1976	C	-2231.3	-2231.3	0.0	0.0
1977	C	-634.1	-483.7	150.4	-23.7
1978	AN	-2059.8	-2059.8	0.0	0.0
1979	BN	-2649.7	-2649.7	0.0	0.0
1980	AN	-1863.3	-1863.3	0.0	0.0
1981	D	-2366.8	-2355.6	11.3	-0.5
1982	W	-2452.8	-2452.8	0.0	0.0
1983	W	4816.7	4816.7	0.0	0.0
1984	W	-1898.2	-1898.2	0.0	0.0
1985	D	-1806.4	-1735.8	70.6	-3.9
1986	W	-2002.3	-2002.3	0.0	0.0
1987	D	-1702.3	-1429.3	272.9	-16.0
1988	C	-922.8	-714.3	208.5	-22.6
1989	D	-2474.9	-2415.9	58.9	-2.4
1990	C	-1069.5	-685.3	384.2	-35.9
1991	C	-954.0	-722.8	231.2	-24.2
Mean:		-1519.7	-1438.0	81.6	-7.6
Median:		-1898.2	-1898.2	0.0	0.0
Min:		-3563.1	-3563.1	0.0	-35.9
Max:		4816.7	4816.7	384.2	0.0

Old River at Bacon Island Flow

July

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-4890.6	-5000.5	-110.0	2.2
1976	C	-3252.5	-3565.7	-313.3	9.6
1977	C	-1529.7	-1482.6	47.1	-3.1
1978	AN	-4946.4	-5055.7	-109.3	2.2
1979	BN	-3475.2	-3587.7	-112.5	3.2
1980	AN	-4718.0	-4828.7	-110.6	2.3
1981	D	-5156.5	-5463.6	-307.0	6.0
1982	W	-4692.1	-4801.3	-109.2	2.3
1983	W	-1555.5	-1555.6	-0.1	0.0
1984	W	-4306.6	-4365.6	-59.0	1.4
1985	D	-4752.4	-4979.4	-226.9	4.8
1986	W	-3790.9	-4158.1	-367.2	9.7
1987	D	-3273.3	-3450.0	-176.7	5.4
1988	C	-759.9	-849.4	-89.6	11.8
1989	D	-3565.7	-3823.3	-257.6	7.2
1990	C	-1095.2	-1279.9	-184.7	16.9
1991	C	-1025.0	-1176.0	-151.0	14.7
Mean:		-3340.3	-3495.5	-155.2	5.7
Median:		-3565.7	-3823.3	-112.5	4.8
Min:		-5156.5	-5463.6	-367.2	-3.1
Max:		-759.9	-849.4	47.1	16.9

Old River at Bacon Island Flow

August

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-4354.7	-4550.8	-196.1	4.5
1976	C	-2239.4	-2244.2	-4.9	0.2
1977	C	-939.6	-984.1	-44.4	4.7
1978	AN	-3130.7	-3325.9	-195.2	6.2
1979	BN	-3512.9	-3711.6	-198.7	5.7
1980	AN	-4922.0	-5093.7	-171.8	3.5
1981	D	-4150.7	-4154.9	-4.2	0.1
1982	W	-3701.2	-3896.3	-195.1	5.3
1983	W	-4925.1	-4923.5	1.7	0.0
1984	W	-4862.4	-4948.0	-85.7	1.8
1985	D	-4844.4	-4847.5	-3.1	0.1
1986	W	-2588.6	-2597.0	-8.5	0.3
1987	D	-2930.7	-2931.7	-1.0	0.0
1988	C	-605.7	-648.3	-42.6	7.0
1989	D	-4342.4	-4469.5	-127.1	2.9
1990	C	-579.4	-683.8	-104.4	18.0
1991	C	-885.4	-927.3	-41.8	4.7
Mean:		-3148.0	-3231.7	-83.7	3.8
Median:		-3512.9	-3711.6	-44.4	3.5
Min:		-4925.1	-5093.7	-198.7	0.0
Max:		-579.4	-648.3	1.7	18.0

Old River at Bacon Island Flow

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-5041.0	-5043.6	-2.7	0.1
1976	C	-3288.1	-3288.1	0.0	0.0
1977	C	-1280.5	-1281.8	-1.4	0.1
1978	AN	-4355.9	-4358.8	-3.0	0.1
1979	BN	-3229.2	-3231.7	-2.5	0.1
1980	AN	-4576.2	-4309.2	267.0	-5.8
1981	D	-4346.7	-4357.3	-10.6	0.2
1982	W	-4521.2	-4523.1	-1.9	0.0
1983	W	-3803.2	-3803.0	0.2	0.0
1984	W	-4177.2	-4178.3	-1.1	0.0
1985	D	-4196.0	-4206.9	-10.8	0.3
1986	W	-3826.2	-3826.2	-0.1	0.0
1987	D	-2994.0	-3112.1	-118.1	3.9
1988	C	-1416.9	-1466.5	-49.6	3.5
1989	D	-3322.4	-3323.0	-0.6	0.0
1990	C	-1473.1	-1567.5	-94.4	6.4
1991	C	-1266.1	-1331.2	-65.1	5.1
	Mean:	-3359.6	-3365.2	-5.6	0.8
	Median:	-3803.2	-3803.0	-2.5	0.1
	Min:	-5041.0	-5043.6	-118.1	-5.8
	Max:	-1266.1	-1281.8	267.0	6.4

Long-term and Water Year Type Average Flow at the Middle River at Middle River under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Flow (cfs)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	-3,042	-2,896	-2,838	-2,747	-2,122	-2,232	-1,469	-1,519	-2,085	-3,323	-3,179	-3,293
NEPA Yuba Accord Alternative	-3,072	-2,900	-2,837	-2,743	-2,126	-2,228	-1,469	-1,505	-2,032	-3,429	-3,234	-3,297
Difference	-30.4	-4.1	1.2	4.4	-4.3	3.9	0.0	13.7	53.3	-105.4	-55.8	-3.9
Percent Difference ³	1.0	0.1	0.0	-0.2	0.2	-0.2	0.0	-0.9	-2.6	3.2	1.8	0.1
Water Year Types¹												
Wet												
NEPA No Action Alternative	-2,990	-3,321	-2,382	-1,974	-1,325	-1,366	-961	-1,360	-1,797	-3,698	-3,853	-3,976
NEPA Yuba Accord Alternative	-3,036	-3,326	-2,382	-1,974	-1,325	-1,366	-961	-1,360	-1,797	-3,788	-3,919	-3,977
Difference	-46.3	-5.6	0.0	0.2	0.1	0.0	0.0	-0.3	0.0	-90.1	-65.9	-0.8
Percent Difference	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.7	0.0
Above Normal												
NEPA No Action Alternative	-2,447	-2,457	-3,766	-3,272	-1,946	-2,565	-1,509	-1,477	-2,334	-4,256	-3,748	-3,930
NEPA Yuba Accord Alternative	-2,449	-2,457	-3,766	-3,272	-1,946	-2,565	-1,509	-1,478	-2,334	-4,332	-3,869	-3,845
Difference	-1.9	0.0	0.2	0.3	0.0	0.0	0.0	-0.3	0.0	-76.0	-120.8	85.2
Percent Difference	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.2	-2.2
Below Normal												
NEPA No Action Alternative	-3,378	-3,151	-2,657	-3,154	-2,996	-2,741	-2,081	-1,918	-2,774	-3,315	-3,329	-3,129
NEPA Yuba Accord Alternative	-3,379	-3,151	-2,658	-3,153	-2,996	-2,739	-2,081	-1,918	-2,774	-3,385	-3,454	-3,131
Difference	-0.3	-0.3	-0.3	0.5	-0.4	2.0	-0.1	0.0	0.0	-70.2	-124.7	-1.6
Percent Difference	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	2.1	3.7	0.1
Dry												
NEPA No Action Alternative	-3,165	-3,011	-2,907	-3,262	-2,966	-3,110	-1,980	-1,621	-2,468	-3,889	-3,764	-3,491
NEPA Yuba Accord Alternative	-3,163	-3,009	-2,916	-3,262	-2,966	-3,106	-1,981	-1,562	-2,402	-4,056	-3,787	-3,514
Difference	2.0	2.2	-9.0	-0.1	-0.4	3.9	0.0	58.3	66.3	-166.5	-23.2	-23.0
Percent Difference	-0.1	-0.1	0.3	0.0	0.0	-0.1	0.0	-3.6	-2.7	4.3	0.6	0.7
Critical												
NEPA No Action Alternative	-3,166	-2,503	-2,906	-2,818	-2,140	-2,160	-1,428	-1,533	-1,830	-2,124	-1,778	-2,231
NEPA Yuba Accord Alternative	-3,224	-2,513	-2,894	-2,804	-2,154	-2,151	-1,428	-1,533	-1,702	-2,215	-1,810	-2,258
Difference	-58.0	-10.0	11.3	14.7	-14.5	9.8	0.1	0.3	128.2	-90.6	-32.1	-27.9
Percent Difference	1.8	0.4	-0.4	-0.5	0.7	-0.5	0.0	0.0	-7.0	4.3	1.8	1.3

¹ As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

² Based on the 17-year simulation period

³ Relative difference of the monthly average

Middle River at Middle River Flow

October

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3935.2	-3935.5	-0.3	0.0
1976	C	-4472.3	-4472.3	0.0	0.0
1977	C	-3370.3	-3461.6	-91.3	2.7
1978	AN	-1332.7	-1332.7	0.0	0.0
1979	BN	-3378.2	-3378.5	-0.3	0.0
1980	AN	-3561.7	-3565.4	-3.7	0.1
1981	D	-3414.6	-3418.8	-4.2	0.1
1982	W	-3282.1	-3327.1	-45.1	1.4
1983	W	-2910.1	-2910.1	0.0	0.0
1984	W	-1611.2	-1611.2	0.0	0.0
1985	D	-3857.0	-3857.0	0.0	0.0
1986	W	-3208.9	-3394.8	-185.9	5.8
1987	D	-3184.1	-3167.5	16.6	-0.5
1988	C	-2613.0	-2628.8	-15.8	0.6
1989	D	-2205.5	-2209.8	-4.3	0.2
1990	C	-3311.4	-3456.3	-144.9	4.4
1991	C	-2064.3	-2102.1	-37.8	1.8
	Mean:	-3041.9	-3072.3	-30.4	1.0
	Median:	-3282.1	-3378.5	-3.7	0.1
	Min:	-4472.3	-4472.3	-185.9	-0.5
	Max:	-1332.7	-1332.7	16.6	5.8

Middle River at Middle River Flow

November

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3276.1	-3276.5	-0.3	0.0
1976	C	-3797.3	-3737.2	60.0	-1.6
1977	C	-2374.6	-2390.8	-16.2	0.7
1978	AN	-1662.3	-1662.3	0.0	0.0
1979	BN	-3150.7	-3151.0	-0.3	0.0
1980	AN	-3251.4	-3251.4	0.0	0.0
1981	D	-2527.7	-2534.1	-6.3	0.2
1982	W	-4618.9	-4619.2	-0.4	0.0
1983	W	-4687.2	-4686.5	0.7	0.0
1984	W	-1283.3	-1283.2	0.1	0.0
1985	D	-4624.4	-4623.7	0.7	0.0
1986	W	-2738.1	-2766.0	-27.9	1.0
1987	D	-2729.8	-2713.5	16.2	-0.6
1988	C	-2205.2	-2222.9	-17.7	0.8
1989	D	-2161.9	-2163.9	-1.9	0.1
1990	C	-2605.4	-2644.1	-38.7	1.5
1991	C	-1531.0	-1568.4	-37.4	2.4
	Mean:	-2895.6	-2899.7	-4.1	0.3
	Median:	-2729.8	-2713.5	-0.3	0.0
	Min:	-4687.2	-4686.5	-38.7	-1.6
	Max:	-1283.3	-1283.2	60.0	2.4

Middle River at Middle River Flow

December

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3748.6	-3748.9	-0.3	0.0
1976	C	-3767.7	-3707.0	60.8	-1.6
1977	C	-2361.3	-2376.0	-14.7	0.6
1978	AN	-3448.5	-3448.3	0.2	0.0
1979	BN	-2657.4	-2657.7	-0.3	0.0
1980	AN	-4083.7	-4083.6	0.1	0.0
1981	D	-2810.2	-2816.4	-6.2	0.2
1982	W	-4189.6	-4188.6	1.0	0.0
1983	W	-1074.8	-1074.8	0.0	0.0
1984	W	1019.9	1019.9	0.0	0.0
1985	D	-4078.6	-4077.9	0.7	0.0
1986	W	-3915.3	-3915.8	-0.5	0.0
1987	D	-2580.0	-2610.3	-30.3	1.2
1988	C	-3989.6	-3987.4	2.2	-0.1
1989	D	-2159.4	-2159.5	0.0	0.0
1990	C	-2804.3	-2792.1	12.2	-0.4
1991	C	-1605.1	-1608.8	-3.8	0.2
	Mean:	-2838.5	-2837.2	1.2	0.0
	Median:	-2810.2	-2816.4	0.0	0.0
	Min:	-4189.6	-4188.6	-30.3	-1.6
	Max:	1019.9	1019.9	60.8	1.2

Middle River at Middle River Flow

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3596.4	-3595.9	0.5	0.0
1976	C	-3074.4	-2985.8	88.6	-2.9
1977	C	-1611.2	-1611.5	-0.3	0.0
1978	AN	-3775.2	-3775.2	0.0	0.0
1979	BN	-3153.6	-3153.1	0.5	0.0
1980	AN	-2768.9	-2768.3	0.6	0.0
1981	D	-3537.7	-3536.8	0.9	0.0
1982	W	-3190.5	-3190.6	-0.1	0.0
1983	W	1660.6	1660.6	0.0	0.0
1984	W	-712.1	-712.1	-0.1	0.0
1985	D	-3495.7	-3495.0	0.7	0.0
1986	W	-4030.0	-4029.5	0.5	0.0
1987	D	-3029.9	-3030.2	-0.3	0.0
1988	C	-4124.8	-4124.8	0.0	0.0
1989	D	-2982.6	-2984.5	-1.9	0.1
1990	C	-4000.9	-4015.4	-14.5	0.4
1991	C	-1279.9	-1280.4	-0.4	0.0
Mean:		-2747.3	-2742.8	4.4	-0.1
Median:		-3153.6	-3153.1	0.0	0.0
Min:		-4124.8	-4124.8	-14.5	-2.9
Max:		1660.6	1660.6	88.6	0.4

Middle River at Middle River Flow

February

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3437.5	-3436.9	0.6	0.0
1976	C	-2450.6	-2449.2	1.4	-0.1
1977	C	-1557.5	-1557.4	0.0	0.0
1978	AN	-2853.9	-2853.9	0.0	0.0
1979	BN	-2995.6	-2996.0	-0.4	0.0
1980	AN	-1037.3	-1037.4	-0.1	0.0
1981	D	-3646.5	-3646.5	0.0	0.0
1982	W	-2407.8	-2407.8	0.0	0.0
1983	W	2982.5	2982.5	0.0	0.0
1984	W	-1830.2	-1830.2	0.0	0.0
1985	D	-3586.4	-3586.7	-0.3	0.0
1986	W	-1931.4	-1931.4	0.0	0.0
1987	D	-3242.4	-3243.5	-1.1	0.0
1988	C	-2313.6	-2334.4	-20.9	0.9
1989	D	-1389.0	-1389.1	-0.1	0.0
1990	C	-3012.8	-3005.0	7.8	-0.3
1991	C	-1365.2	-1426.0	-60.8	4.5
	Mean:	-2122.1	-2126.4	-4.3	0.3
	Median:	-2407.8	-2407.8	0.0	0.0
	Min:	-3646.5	-3646.5	-60.8	-0.3
	Max:	2982.5	2982.5	7.8	4.5

Middle River at Middle River Flow

March

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3256.3	-3256.4	-0.1	0.0
1976	C	-2287.4	-2287.4	0.0	0.0
1977	C	-1091.6	-1091.6	0.0	0.0
1978	AN	-2856.8	-2856.8	0.0	0.0
1979	BN	-2740.6	-2738.7	2.0	-0.1
1980	AN	-2274.0	-2274.0	0.0	0.0
1981	D	-2961.9	-2961.9	0.0	0.0
1982	W	-2431.9	-2431.9	0.0	0.0
1983	W	3035.6	3035.5	0.0	0.0
1984	W	-3316.8	-3316.8	0.0	0.0
1985	D	-2230.6	-2230.3	0.3	0.0
1986	W	-862.6	-862.6	0.0	0.0
1987	D	-3302.5	-3287.5	15.0	-0.5
1988	C	-1201.9	-1222.6	-20.7	1.7
1989	D	-3945.8	-3945.4	0.4	0.0
1990	C	-2114.0	-2043.3	70.7	-3.3
1991	C	-4107.3	-4108.1	-0.8	0.0
	Mean:	-2232.2	-2228.2	3.9	-0.1
	Median:	-2431.9	-2431.9	0.0	0.0
	Min:	-4107.3	-4108.1	-20.7	-3.3
	Max:	3035.6	3035.5	70.7	1.7

Middle River at Middle River Flow

April

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-2264.5	-2264.5	0.0	0.0
1976	C	-1642.5	-1642.7	-0.2	0.0
1977	C	-1195.1	-1195.1	0.0	0.0
1978	AN	-1224.3	-1224.3	0.0	0.0
1979	BN	-2081.1	-2081.3	-0.1	0.0
1980	AN	-1794.2	-1794.2	0.0	0.0
1981	D	-2041.6	-2041.7	-0.1	0.0
1982	W	121.9	121.9	0.0	0.0
1983	W	473.9	473.9	0.0	0.0
1984	W	-2253.6	-2253.6	0.0	0.0
1985	D	-1758.3	-1758.5	-0.1	0.0
1986	W	-881.9	-881.9	0.0	0.0
1987	D	-1898.2	-1898.0	0.1	0.0
1988	C	-1613.0	-1613.3	-0.2	0.0
1989	D	-2223.8	-2223.8	0.0	0.0
1990	C	-1283.3	-1282.4	0.9	-0.1
1991	C	-1406.9	-1407.1	-0.2	0.0
	Mean:	-1468.6	-1468.6	0.0	0.0
	Median:	-1642.5	-1642.7	0.0	0.0
	Min:	-2264.5	-2264.5	-0.2	-0.1
	Max:	473.9	473.9	0.9	0.0

Middle River at Middle River Flow

May

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-2227.9	-2227.9	0.0	0.0
1976	C	-1720.4	-1720.4	0.0	0.0
1977	C	-1174.7	-1174.5	0.2	0.0
1978	AN	-1405.5	-1405.5	0.0	0.0
1979	BN	-1917.6	-1917.6	0.0	0.0
1980	AN	-1549.0	-1549.5	-0.5	0.0
1981	D	-1979.8	-1978.9	0.9	0.0
1982	W	-1159.1	-1159.1	0.0	0.0
1983	W	100.6	100.6	0.0	0.0
1984	W	-1710.4	-1711.0	-0.6	0.0
1985	D	-1333.2	-1228.1	105.1	-7.9
1986	W	-1802.6	-1803.4	-0.7	0.0
1987	D	-1430.5	-1429.9	0.5	0.0
1988	C	-1734.4	-1734.3	0.0	0.0
1989	D	-1739.1	-1612.2	126.8	-7.3
1990	C	-1537.3	-1536.4	0.9	-0.1
1991	C	-1500.3	-1499.8	0.5	0.0
	Mean:	-1518.9	-1505.2	13.7	-0.9
	Median:	-1549.0	-1549.5	0.0	0.0
	Min:	-2227.9	-2227.9	-0.7	-7.9
	Max:	100.6	100.6	126.8	0.0

Middle River at Middle River Flow

June

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3380.9	-3380.9	0.0	0.0
1976	C	-2510.8	-2510.8	0.0	0.0
1977	C	-1469.3	-1370.1	99.1	-6.7
1978	AN	-2342.1	-2342.1	0.0	0.0
1979	BN	-2773.9	-2773.9	0.0	0.0
1980	AN	-2326.8	-2326.8	0.0	0.0
1981	D	-2604.1	-2597.0	7.1	-0.3
1982	W	-2772.7	-2772.8	0.0	0.0
1983	W	1966.6	1966.6	0.0	0.0
1984	W	-2389.0	-2389.0	0.0	0.0
1985	D	-2305.4	-2259.9	45.4	-2.0
1986	W	-2409.5	-2409.4	0.0	0.0
1987	D	-2227.0	-2052.0	175.0	-7.9
1988	C	-1650.2	-1514.7	135.5	-8.2
1989	D	-2737.4	-2700.0	37.4	-1.4
1990	C	-1795.2	-1541.9	253.2	-14.1
1991	C	-1725.6	-1572.3	153.3	-8.9
	Mean:	-2085.5	-2032.2	53.3	-2.9
	Median:	-2342.1	-2342.1	0.0	0.0
	Min:	-3380.9	-3380.9	0.0	-14.1
	Max:	1966.6	1966.6	253.2	0.0

Middle River at Middle River Flow

July

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-4229.9	-4305.8	-75.8	1.8
1976	C	-3279.5	-3480.8	-201.3	6.1
1977	C	-2088.8	-2058.0	30.7	-1.5
1978	AN	-4358.1	-4433.9	-75.8	1.7
1979	BN	-3315.0	-3385.1	-70.1	2.1
1980	AN	-4154.0	-4230.3	-76.2	1.8
1981	D	-4518.6	-4732.6	-213.9	4.7
1982	W	-4234.1	-4310.2	-76.2	1.8
1983	W	-2280.1	-2280.1	0.0	0.0
1984	W	-4087.8	-4130.2	-42.4	1.0
1985	D	-4275.2	-4434.4	-159.2	3.7
1986	W	-3658.4	-3914.2	-255.8	7.0
1987	D	-3307.6	-3426.2	-118.7	3.6
1988	C	-1588.9	-1648.6	-59.7	3.8
1989	D	-3455.4	-3629.8	-174.4	5.0
1990	C	-1865.9	-1988.1	-122.2	6.5
1991	C	-1798.4	-1899.0	-100.7	5.6
	Mean:	-3323.3	-3428.7	-105.4	3.2
	Median:	-3455.4	-3629.8	-76.2	3.6
	Min:	-4518.6	-4732.6	-255.8	-1.5
	Max:	-1588.9	-1648.6	30.7	7.0

Middle River at Middle River Flow

August

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-3871.7	-4002.3	-130.7	3.4
1976	C	-2584.2	-2587.0	-2.8	0.1
1977	C	-1697.4	-1728.6	-31.2	1.8
1978	AN	-3138.2	-3261.2	-123.0	3.9
1979	BN	-3329.3	-3454.0	-124.6	3.7
1980	AN	-4358.6	-4477.2	-118.6	2.7
1981	D	-3734.6	-3737.6	-3.0	0.1
1982	W	-3565.6	-3696.5	-130.9	3.7
1983	W	-4572.7	-4574.8	-2.2	0.0
1984	W	-4416.8	-4476.8	-60.0	1.4
1985	D	-4245.6	-4247.8	-2.2	0.1
1986	W	-2837.4	-2843.0	-5.6	0.2
1987	D	-3065.6	-3066.0	-0.4	0.0
1988	C	-1438.4	-1466.8	-28.3	2.0
1989	D	-4010.9	-4098.2	-87.3	2.2
1990	C	-1488.0	-1558.5	-70.5	4.7
1991	C	-1679.7	-1707.5	-27.8	1.7
	Mean:	-3178.5	-3234.3	-55.8	1.9
	Median:	-3329.3	-3454.0	-31.2	1.8
	Min:	-4572.7	-4574.8	-130.9	0.0
	Max:	-1438.4	-1466.8	-0.4	4.7

Middle River at Middle River Flow

September

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-4323.2	-4325.0	-1.8	0.0
1976	C	-3225.0	-3225.0	0.0	0.0
1977	C	-1913.3	-1914.2	-0.9	0.0
1978	AN	-3833.9	-3835.9	-2.0	0.1
1979	BN	-3128.9	-3130.5	-1.6	0.1
1980	AN	-4025.7	-3853.2	172.4	-4.3
1981	D	-3804.4	-3811.2	-6.8	0.2
1982	W	-4161.2	-4162.6	-1.4	0.0
1983	W	-3840.2	-3840.1	0.1	0.0
1984	W	-3937.5	-3938.2	-0.6	0.0
1985	D	-3824.5	-3831.6	-7.1	0.2
1986	W	-3616.7	-3616.8	0.0	0.0
1987	D	-3036.0	-3113.6	-77.6	2.6
1988	C	-1986.4	-2019.1	-32.7	1.6
1989	D	-3300.7	-3301.1	-0.4	0.0
1990	C	-2078.7	-2140.8	-62.1	3.0
1991	C	-1949.4	-1993.1	-43.8	2.2
	Mean:	-3293.3	-3297.2	-3.9	0.3
	Median:	-3616.7	-3616.8	-1.6	0.0
	Min:	-4323.2	-4325.0	-77.6	-4.3
	Max:	-1913.3	-1914.2	172.4	3.0

Long-term and Water Year Type Average Flow at the Middle River at Mowry Bridge under NEPA No Action Alternative and NEPA Yuba Accord Alternative Conditions

Analysis Period	Flow (cfs)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period²												
NEPA No Action Alternative	-36	-108	93	219	519	582	318	237	355	89	-114	-62
NEPA Yuba Accord Alternative	-36	-108	93	219	519	582	318	237	354	90	-113	-62
Difference	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	-0.8	0.9	0.8	0.2
Percent Difference ³	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	1.0	-0.7	-0.3
Water Year Types¹												
Wet												
NEPA No Action Alternative	287	53	614	732	1,326	1,635	1,048	744	1,052	353	-90	64
NEPA Yuba Accord Alternative	287	53	614	732	1,326	1,635	1,048	743	1,052	354	-90	64
Difference	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.0
Percent Difference	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.9	0.0
Above Normal												
NEPA No Action Alternative	-171	-171	-117	578	1,222	876	619	574	667	248	-84	48
NEPA Yuba Accord Alternative	-171	-171	-117	578	1,222	876	619	574	667	247	-82	48
Difference	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3	2.1	0.5
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-2.5	1.0
Below Normal												
NEPA No Action Alternative	-152	-179	-96	267	682	652	106	135	-1	-31	-84	-105
NEPA Yuba Accord Alternative	-152	-179	-96	267	682	652	106	135	-1	-30	-82	-105
Difference	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	1.0	1.3	0.0
Percent Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.1	-1.6	0.0
Dry												
NEPA No Action Alternative	-170	-177	-128	-142	-54	-30	-108	-72	-54	-65	-118	-141
NEPA Yuba Accord Alternative	-170	-177	-127	-142	-54	-30	-108	-72	-54	-64	-118	-141
Difference	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	-0.2	1.9	0.0	0.1
Percent Difference	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.2	0.4	-2.9	0.0	-0.1
Critical												
NEPA No Action Alternative	-173	-176	-129	-156	-143	-113	-148	-136	-69	-91	-151	-162
NEPA Yuba Accord Alternative	-173	-176	-130	-157	-143	-113	-148	-136	-72	-90	-150	-161
Difference	-0.2	-0.1	-0.3	-0.5	0.1	0.1	0.0	0.1	-2.6	0.8	0.8	0.2
Percent Difference	0.1	0.1	0.2	0.3	-0.1	-0.1	0.0	-0.1	3.7	-0.8	-0.5	-0.1

1 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995)

2 Based on the 17-year simulation period

3 Relative difference of the monthly average

Middle River at Mowry Bridge Flow

October

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-166.7	-166.7	0.0	0.0
1976	C	-144.6	-144.6	0.0	0.0
1977	C	-171.5	-171.6	-0.1	0.1
1978	AN	-164.7	-164.7	0.0	0.0
1979	BN	-152.3	-152.3	0.0	0.0
1980	AN	-176.8	-176.8	0.0	0.0
1981	D	-148.0	-148.0	0.0	0.0
1982	W	-174.2	-174.3	-0.1	0.1
1983	W	961.7	961.7	0.0	0.0
1984	W	992.5	992.5	0.0	0.0
1985	D	-185.4	-185.4	0.0	0.0
1986	W	-177.6	-177.4	0.2	-0.1
1987	D	-179.6	-179.5	0.1	-0.1
1988	C	-188.5	-188.6	-0.1	0.1
1989	D	-167.2	-167.2	0.0	0.0
1990	C	-182.6	-183.3	-0.7	0.4
1991	C	-178.2	-178.1	0.1	-0.1
Mean:		-35.5	-35.6	0.0	0.0
Median:		-171.5	-171.6	0.0	0.0
Min:		-188.5	-188.6	-0.7	-0.1
Max:		992.5	992.5	0.2	0.4

Middle River at Mowry Bridge Flow

November

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-170.7	-170.7	0.0	0.0
1976	C	-157.3	-157.8	-0.5	0.3
1977	C	-174.8	-174.8	-0.1	0.1
1978	AN	-168.2	-168.2	0.0	0.0
1979	BN	-178.8	-178.8	0.0	0.0
1980	AN	-173.5	-173.6	0.0	0.0
1981	D	-155.0	-155.0	0.0	0.0
1982	W	-201.1	-201.1	0.0	0.0
1983	W	-226.4	-226.3	0.1	0.0
1984	W	1047.3	1047.3	0.0	0.0
1985	D	-207.6	-207.4	0.2	-0.1
1986	W	-183.2	-183.2	0.1	-0.1
1987	D	-183.5	-183.4	0.1	-0.1
1988	C	-190.3	-190.4	-0.1	0.1
1989	D	-161.4	-161.4	0.0	0.0
1990	C	-184.6	-184.8	-0.2	0.1
1991	C	-174.5	-174.1	0.3	-0.2
Mean:		-108.4	-108.5	0.0	0.0
Median:		-174.8	-174.8	0.0	0.0
Min:		-226.4	-226.3	-0.5	-0.2
Max:		1047.3	1047.3	0.3	0.3

Middle River at Mowry Bridge Flow

December

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-84.2	-84.2	0.0	0.0
1976	C	-61.4	-62.8	-1.4	2.3
1977	C	-132.8	-132.6	0.2	-0.2
1978	AN	-126.1	-126.1	0.0	0.0
1979	BN	-95.8	-95.7	0.0	0.0
1980	AN	-107.4	-107.4	0.0	0.0
1981	D	-118.7	-118.6	0.2	-0.2
1982	W	-141.1	-140.9	0.3	-0.2
1983	W	1567.3	1567.3	0.0	0.0
1984	W	1845.5	1845.4	-0.1	0.0
1985	D	-117.6	-117.4	0.2	-0.2
1986	W	-116.5	-116.6	0.0	0.0
1987	D	-143.3	-142.9	0.4	-0.3
1988	C	-145.8	-145.9	-0.1	0.1
1989	D	-130.5	-130.4	0.0	0.0
1990	C	-152.5	-152.6	-0.1	0.1
1991	C	-154.5	-154.4	0.1	-0.1
	Mean:	93.2	93.2	0.0	0.1
	Median:	-118.7	-118.6	0.0	0.0
	Min:	-154.5	-154.4	-1.4	-0.3
	Max:	1845.5	1845.4	0.4	2.3

Middle River at Mowry Bridge Flow

January

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-94.5	-94.3	0.2	-0.2
1976	C	-116.7	-119.0	-2.3	2.0
1977	C	-167.0	-167.0	0.0	0.0
1978	AN	243.4	243.4	0.0	0.0
1979	BN	266.7	266.7	0.0	0.0
1980	AN	912.0	911.9	-0.1	0.0
1981	D	-146.4	-146.1	0.3	-0.2
1982	W	517.0	517.0	0.0	0.0
1983	W	2141.8	2141.8	0.0	0.0
1984	W	1237.0	1237.0	0.0	0.0
1985	D	-150.2	-150.0	0.2	-0.1
1986	W	-140.7	-140.5	0.2	-0.1
1987	D	-136.2	-136.2	0.1	-0.1
1988	C	-164.7	-164.7	0.0	0.0
1989	D	-137.0	-136.9	0.0	0.0
1990	C	-159.1	-159.1	0.0	0.0
1991	C	-174.4	-174.5	-0.1	0.1
	Mean:	219.5	219.4	-0.1	0.1
	Median:	-136.2	-136.2	0.0	0.0
	Min:	-174.4	-174.5	-2.3	-0.2
	Max:	2141.8	2141.8	0.3	2.0

Middle River at Mowry Bridge Flow

February

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	421.4	421.5	0.1	0.0
1976	C	-114.2	-114.2	-0.1	0.1
1977	C	-129.0	-129.0	0.0	0.0
1978	AN	591.7	591.7	0.0	0.0
1979	BN	682.2	682.2	0.0	0.0
1980	AN	1853.1	1853.1	0.0	0.0
1981	D	180.3	180.3	0.0	0.0
1982	W	1121.1	1121.1	0.0	0.0
1983	W	2982.6	2982.5	-0.1	0.0
1984	W	762.3	762.3	0.0	0.0
1985	D	-95.9	-95.9	0.0	0.0
1986	W	1344.4	1344.4	0.0	0.0
1987	D	-141.6	-141.6	0.0	0.0
1988	C	-166.0	-165.7	0.3	-0.2
1989	D	-157.3	-157.3	0.0	0.0
1990	C	-144.9	-145.1	-0.2	0.1
1991	C	-161.9	-161.5	0.5	-0.3
Mean:		519.3	519.3	0.0	0.0
Median:		180.3	180.3	0.0	0.0
Min:		-166.0	-165.7	-0.2	-0.3
Max:		2982.6	2982.5	0.5	0.1

Middle River at Mowry Bridge Flow

March

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	664.9	664.9	0.0	0.0
1976	C	-72.7	-72.7	0.0	0.0
1977	C	-97.6	-97.6	0.0	0.0
1978	AN	662.8	662.8	0.0	0.0
1979	BN	652.4	652.3	-0.1	0.0
1980	AN	1088.8	1088.8	0.0	0.0
1981	D	259.0	259.0	0.0	0.0
1982	W	1238.4	1238.4	0.0	0.0
1983	W	3740.1	3740.1	0.0	0.0
1984	W	460.3	460.3	0.0	0.0
1985	D	-115.2	-115.2	0.0	0.0
1986	W	2069.6	2069.6	0.0	0.0
1987	D	-122.7	-122.8	-0.1	0.1
1988	C	-133.5	-133.3	0.3	-0.2
1989	D	-141.1	-141.0	0.1	-0.1
1990	C	-127.4	-127.3	0.2	-0.2
1991	C	-133.4	-133.4	0.0	0.0
	Mean:	581.9	581.9	0.0	0.0
	Median:	259.0	259.0	0.0	0.0
	Min:	-141.1	-141.0	-0.1	-0.2
	Max:	3740.1	3740.1	0.3	0.1

Middle River at Mowry Bridge Flow

April

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	131.9	131.9	0.0	0.0
1976	C	-143.0	-143.0	0.0	0.0
1977	C	-104.3	-104.3	0.0	0.0
1978	AN	1043.6	1043.6	0.0	0.0
1979	BN	105.7	105.7	0.0	0.0
1980	AN	193.5	193.5	0.0	0.0
1981	D	6.8	6.8	0.0	0.0
1982	W	2213.1	2213.1	0.0	0.0
1983	W	1823.6	1823.6	0.0	0.0
1984	W	61.3	61.3	0.0	0.0
1985	D	-146.4	-146.4	0.0	0.0
1986	W	1011.8	1011.8	0.0	0.0
1987	D	-132.6	-132.6	0.0	0.0
1988	C	-183.3	-183.3	0.0	0.0
1989	D	-159.5	-159.5	0.0	0.0
1990	C	-179.0	-179.0	0.0	0.0
1991	C	-132.1	-132.1	0.0	0.0
Mean:		318.3	318.3	0.0	0.0
Median:		6.8	6.8	0.0	0.0
Min:		-183.3	-183.3	0.0	0.0
Max:		2213.1	2213.1	0.0	0.0

Middle River at Mowry Bridge Flow

May

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	135.1	135.1	0.0	0.0
1976	C	-87.6	-87.6	0.0	0.0
1977	C	-154.2	-154.1	0.1	-0.1
1978	AN	979.6	979.6	0.0	0.0
1979	BN	134.9	134.9	0.0	0.0
1980	AN	169.1	169.0	-0.1	-0.1
1981	D	-106.9	-106.6	0.2	-0.2
1982	W	1420.1	1420.1	0.0	0.0
1983	W	1811.7	1811.7	0.0	0.0
1984	W	104.9	104.9	-0.1	-0.1
1985	D	79.8	80.9	1.1	1.4
1986	W	245.7	245.7	-0.1	0.0
1987	D	-136.7	-136.6	0.1	-0.1
1988	C	-140.4	-140.4	0.0	0.0
1989	D	-125.2	-126.0	-0.8	0.6
1990	C	-182.9	-182.7	0.2	-0.1
1991	C	-117.0	-116.8	0.1	-0.1
	Mean:	237.1	237.1	0.0	0.1
	Median:	79.8	80.9	0.0	0.0
	Min:	-182.9	-182.7	-0.8	-0.2
	Max:	1811.7	1811.7	1.1	1.4

Middle River at Mowry Bridge Flow

June

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	406.1	406.1	0.0	0.0
1976	C	-44.2	-44.2	0.0	0.0
1977	C	-72.0	-74.2	-2.2	3.1
1978	AN	889.6	889.6	0.0	0.0
1979	BN	-0.7	-0.6	0.0	0.0
1980	AN	444.6	444.6	0.0	0.0
1981	D	-23.4	-23.4	0.0	0.0
1982	W	777.2	777.2	0.0	0.0
1983	W	3297.1	3297.1	0.0	0.0
1984	W	256.2	256.2	0.0	0.0
1985	D	-48.2	-48.6	-0.4	0.8
1986	W	521.3	521.3	0.0	0.0
1987	D	-60.6	-60.8	-0.1	0.2
1988	C	-69.8	-72.8	-3.0	4.3
1989	D	-82.4	-82.6	-0.2	0.2
1990	C	-67.5	-72.2	-4.7	7.0
1991	C	-92.8	-95.7	-2.9	3.1
Mean:		354.7	353.9	-0.8	1.1
Median:		-23.4	-23.4	0.0	0.0
Min:		-92.8	-95.7	-4.7	0.0
Max:		3297.1	3297.1	0.0	7.0

Middle River at Mowry Bridge Flow

July

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	1.3	2.7	1.3	98.1
1976	C	-85.2	-83.6	1.6	-1.9
1977	C	-90.7	-91.1	-0.4	0.4
1978	AN	206.1	205.7	-0.4	-0.2
1979	BN	-31.4	-30.4	1.0	-3.2
1980	AN	289.3	289.2	-0.1	0.0
1981	D	-44.3	-40.6	3.7	-8.4
1982	W	284.0	283.6	-0.4	-0.1
1983	W	1566.6	1566.6	0.0	0.0
1984	W	-57.1	-56.9	0.2	-0.4
1985	D	-55.9	-53.6	2.3	-4.1
1986	W	-29.2	-27.5	1.7	-5.8
1987	D	-84.0	-83.9	0.1	-0.1
1988	C	-86.0	-85.1	0.9	-1.0
1989	D	-77.4	-76.1	1.3	-1.7
1990	C	-98.1	-97.3	0.9	-0.9
1991	C	-93.8	-93.1	0.8	-0.9
	Mean:	89.1	89.9	0.9	4.1
	Median:	-55.9	-53.6	0.9	-0.9
	Min:	-98.1	-97.3	-0.4	-8.4
	Max:	1566.6	1566.6	3.7	98.1

Middle River at Mowry Bridge Flow

August

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-71.8	-69.4	2.3	-3.2
1976	C	-144.9	-144.8	0.1	-0.1
1977	C	-153.2	-151.4	1.8	-1.2
1978	AN	-87.6	-85.0	2.7	-3.1
1979	BN	-83.6	-82.2	1.3	-1.6
1980	AN	-80.5	-79.0	1.5	-1.9
1981	D	-87.3	-87.2	0.1	-0.1
1982	W	-83.5	-82.2	1.4	-1.7
1983	W	-111.0	-111.4	-0.4	0.4
1984	W	-92.0	-91.4	0.6	-0.7
1985	D	-93.4	-93.3	0.1	-0.1
1986	W	-94.0	-93.8	0.1	-0.1
1987	D	-138.8	-138.8	0.1	-0.1
1988	C	-142.3	-141.8	0.6	-0.4
1989	D	-150.9	-151.0	-0.1	0.1
1990	C	-161.6	-160.7	1.0	-0.6
1991	C	-153.9	-153.4	0.5	-0.3
Mean:		-113.5	-112.8	0.8	-0.9
Median:		-94.0	-93.8	0.6	-0.4
Min:		-161.6	-160.7	-0.4	-3.2
Max:		-71.8	-69.4	2.7	0.4

**Middle River at Mowry Bridge Flow
September**

Water Year	Water Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Absolute Difference	Relative Difference (%)
		Flow (cfs)	Flow (cfs)		
1975	W	-74.8	-74.8	0.1	-0.1
1976	C	-163.2	-163.2	0.0	0.0
1977	C	-162.0	-162.0	0.1	-0.1
1978	AN	-79.0	-78.9	0.1	-0.1
1979	BN	-104.8	-104.8	0.0	0.0
1980	AN	174.2	175.0	0.9	0.5
1981	D	-104.7	-104.6	0.1	-0.1
1982	W	245.6	245.5	0.0	0.0
1983	W	401.9	401.9	0.0	0.0
1984	W	-133.3	-133.3	0.0	0.0
1985	D	-134.8	-134.8	0.0	0.0
1986	W	-117.7	-117.7	0.0	0.0
1987	D	-155.8	-155.4	0.4	-0.3
1988	C	-153.2	-153.0	0.2	-0.1
1989	D	-170.5	-170.5	0.0	0.0
1990	C	-161.9	-161.9	0.0	0.0
1991	C	-167.3	-166.4	0.9	-0.5
	Mean:	-62.4	-62.3	0.2	0.0
	Median:	-133.3	-133.3	0.0	0.0
	Min:	-170.5	-170.5	0.0	-0.5
	Max:	401.9	401.9	0.9	0.5