

# **APPENDIX F1**

## **SURFACE WATER SUPPLY AND MANAGEMENT MODEL OUTPUT**

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# APPENDIX F1

## MODEL OUTPUT

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## CEQA YUBA ACCORD ALTERNATIVE COMPARED TO THE CEQA NO PROJECT ALTERNATIVE

**Table F1-1. YCWA Member Unit Annual Surface Water Allocations**

Year Type	Annual Surface Water Allocation (%)		
	CEQA No Project Alternative	CEQA Yuba Accord Alternative	Change (CEQA Yuba Accord Alternative-CEQA No Project Alternative)
Wet	99.5%	99.7%	0.3%
Above Normal	93.9%	94.7%	0.9%
Below Normal	99.1%	100.0%	0.9%
Dry	97.7%	99.3%	1.6%
Critical	95.3%	95.3%	0.0%
All Years	97.6%	98.3%	0.7%

Table F1-2. Surface Water Deliveries to YCWA Member Units

Surface Water Deliveries (TAF) CEQA No Project Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.3	10.6	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	339
Above Normal	18.4	9.6	4.8	0.4	0.4	2.6	17.6	65.6	62.2	72.8	60.5	20.2	335.1
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.3	64.6	61.2	71.7	59.6	19.9	336.4
Dry	20.2	10.5	5.2	0.4	0.4	2.8	21.6	54.2	50.9	57.7	45.8	14.4	284.2
Critical	20.4	10.7	5.3	0.4	0.4	3.3	20.3	50.1	46.9	54.2	43.0	13.5	268.4
All Years	20.1	10.5	5.2	0.4	0.4	2.8	19.2	60.4	57.0	66.2	54.2	17.8	314.3

Yuba Accord Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.5	10.7	5.3	0.4	0.4	2.8	17.6	65.4	62.0	72.6	60.3	20.1	338.1
Above Normal	18.7	9.8	4.9	0.4	0.4	2.7	17.6	65.6	62.2	72.8	60.5	20.2	335.6
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.6	65.6	62.2	72.8	60.5	20.2	341.0
Dry	20.2	10.6	5.3	0.4	0.4	2.9	22.2	52.3	48.4	54.2	41.9	13.0	271.8
Critical	20.5	10.7	5.3	0.4	0.4	3.3	20.1	47.6	44.5	51.2	40.1	12.4	256.7
All Years	20.2	10.5	5.3	0.4	0.4	2.9	19.4	59.7	56.2	65.1	53.0	17.3	310.4

Change (Yuba Accord Alternative – CEQA No Project Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.5
Above Normal	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Below Normal	0.1	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.9	1.1	0.9	0.3	4.7
Dry	0.1	0.0	0.0	0.0	0.0	0.0	0.6	-1.9	-2.4	-3.5	-3.9	-1.5	-12.4
Critical	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-2.4	-2.4	-3.0	-2.9	-1.1	-11.7
All Years	0.1	0.1	0.0	0.0	0.0	0.0	0.2	-0.7	-0.8	-1.1	-1.2	-0.5	-3.8

Percent Change (Yuba Accord Alternative – CEQA No Project Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
Above Normal	1%	1%	1%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
Below Normal	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%	1%
Dry	0%	0%	0%	0%	0%	1%	3%	-3%	-5%	-6%	-8%	-10%	-4%
Critical	1%	1%	1%	1%	1%	1%	-1%	-5%	-5%	-5%	-7%	-8%	-4%
All Years	1%	1%	1%	1%	1%	1%	1%	-1%	-1%	-2%	-2%	-3%	-1%

Note: Surface water deliveries to Member Units have been reduced to account for any groundwater substitution pumping.

Table F1-3. CVP South-of-Delta Water Service Contractor and Refuge Deliveries

Year Type	South-of Delta CVP Water Service Contractor and Refuge Deliveries (TAF)			
	CEQA No Project Alternative	CEQA Yuba Accord Alternative	Change (CEQA No Project Alternative-CEQA Yuba Accord Alternative)	Percent Change (CEQA Yuba Accord Alternative – CEQA No Project Alternative)
Wet	1,939	1,939	0	0%
Above Normal	1,743	1,743	0	0%
Below Normal	1,574	1,572	-2	0%
Dry	1,267	1,256	-11	-1%
Critical	731	708	-23	-3%
All Years	1,496	1,490	-7	0%

Table F1-4. SWP Table A Deliveries

Year Type	SWP Table A Deliveries (TAF)			
	CEQA No Project Alternative	CEQA Yuba Accord Alternative	Change (CEQA No Project Alternative-CEQA Yuba Accord Alternative)	Percent Change (CEQA Yuba Accord Alternative – CEQA No Project Alternative)
Wet	3,293	3,293	0	0%
Above Normal	3,260	3,260	0	0%
Below Normal	3,268	3,267	-2	0%
Dry	2,657	2,648	-9	0%
Critical	1,596	1,577	-19	-1%
All Years	2,865	2,860	-5	0%

Note: CVP and SWP deliveries do not include water made available from water transfers of water provided under the Yuba Accord Water Purchase Agreement.

Table F1-5. X2 Location

Number of Years of X2 Location < 81 KM (December)				
Year Type	CEQA No Project Alternative	CEQA Yuba Accord Alternative	Change (CEQA Yuba Accord Alternative- CEQA No Project Alternative)	Percent Change (CEQA Yuba Accord Alternative- CEQA No Project Alternative)
Wet	1	1	0	0%
Above Normal	5	5	0	0%
Below Normal	8	8	0	0%
Dry	9	11	2	22%
Critical	11	11	0	0%
All Year	34	36	2	6%

Number of Years of X2 Location < 81 KM (January)				
Year Type	CEQA No Project Alternative	CEQA Yuba Accord Alternative	Change (CEQA Yuba Accord Alternative- CEQA No Project Alternative)	Percent Change (CEQA Yuba Accord Alternative- CEQA No Project Alternative)
Wet	0	1	1	
Above Normal	0	1	1	
Below Normal	3	3	0	0%
Dry	8	8	0	0%
Critical	8	8	0	0%
All Year	19	21	2	11%

Note: The tables show the number of times that for a particular month that X2 is located west of Collinsville for a 73-year period of simulation. For the months of December and January, filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods when X2 is west of Collinsville.

Table F1-6. Years of Surplus Delta Outflow

Years of Surplus Delta Outflow												
CEQA No Project Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	10	21	21	20	18	18	20	13	2	2	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	13	8	6	12	13	3	0	0	0
Dry	1	2	15	16	6	5	8	12	0	0	0	0
Critical	1	1	8	12	4	2	4	8	0	0	0	0
All Years	14	19	63	72	48	41	51	61	19	2	2	14

  

CEQA Yuba Accord Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	10	21	21	20	18	18	20	13	2	6	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	13	8	6	12	13	3	0	0	0
Dry	1	2	14	16	6	6	8	11	0	0	0	0
Critical	1	0	8	12	4	2	4	7	1	0	0	0
All Years	14	18	62	72	48	42	51	59	20	2	6	14

  

Change (CEQA Yuba Accord Alternative – CEQA No Project Alternative)												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	0	0	0	0	0	0	0	0	0	0	4	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	-1	0	0	1	0	-1	0	0	0	0
Critical	0	-1	0	0	0	0	0	-1	1	0	0	0
All Years	0	-1	-1	0	0	1	0	-2	1	0	4	0

Note: The tables show the number of times that for a particular month the Delta is in excess water conditions for a 73-year period of simulation. Filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods of excess water conditions.

**Table F1-7. Monthly Average Mean Daily South Delta Water Levels**

Monthly Average Mean Daily South Delta Water Levels (ft-msl)													
CEQA No Project Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.76	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.27	1.79	1.72	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.69	0.68	1.06	1.21	1.77	1.68	1.43	1.23	2.37	1.87	1.76	1.90	1.47
Middle River near the Undine Road Bridge	1.00	0.89	1.78	2.14	3.16	3.17	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

CEQA Yuba Accord Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.75	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.28	1.79	1.71	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.69	0.67	1.05	1.20	1.77	1.68	1.43	1.23	2.37	1.87	1.76	1.90	1.47
Middle River near the Undine Road Bridge	0.99	0.89	1.77	2.14	3.16	3.16	2.45	1.85	2.93	2.16	1.84	2.00	2.11

  

Change (CEQA Yuba Accord Alternative-CEQA No Project Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily mean simulated water levels for the month shown for a 16-year period of simulation.

Table F1-8. Monthly Average Minimum Daily South Delta Water Levels

Monthly Average Minimum Daily South Delta Water Levels (ft-msl)													
CEQA No Project Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.55	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.14	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

CEQA Yuba Accord Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.55	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.15	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

Change (CEQA Yuba Accord Alternative-CEQA No Project Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily minimum simulated water levels for the month shown for a 16-year period of simulation.

## CEQA MODIFIED FLOW ALTERNATIVE COMPARED TO THE CEQA NO PROJECT ALTERNATIVE

Table F1-9. YCWA Member Unit Annual Surface Water Allocations

Year Type	Annual Surface Water Allocation (%)		
	CEQA No Project Alternative	CEQA Modified Flow Alternative	Change (CEQA Modified Flow Alternative - CEQA No Project Alternative)
Wet	99.5%	100.0%	0.5%
Above Normal	93.9%	96.0%	2.1%
Below Normal	99.1%	100.0%	0.9%
Dry	97.7%	100.0%	2.3%
Critical	95.3%	96.7%	1.3%
All Years	97.6%	98.9%	1.3%

Table F1-10. Surface Water Deliveries to YCWA Member Units

Surface Water Deliveries (TAF)													
CEQA No Project Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.3	10.6	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	339
Above Normal	18.4	9.6	4.8	0.4	0.4	2.6	17.6	65.6	62.2	72.8	60.5	20.2	335.1
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.3	64.6	61.2	71.7	59.6	19.9	336.4
Dry	20.2	10.5	5.2	0.4	0.4	2.8	21.6	54.2	50.9	57.7	45.8	14.4	284.2
Critical	20.4	10.7	5.3	0.4	0.4	3.3	20.3	50.1	46.9	54.2	43.0	13.5	268.4
All Years	20.1	10.5	5.2	0.4	0.4	2.8	19.2	60.4	57.0	66.2	54.2	17.8	314.3

CEQA Modified Flow Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.5	10.7	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	339.1
Above Normal	18.9	9.9	4.9	0.4	0.4	2.7	17.6	65.6	62.2	72.8	60.5	20.2	336.0
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.6	65.6	62.2	72.8	60.5	20.2	341.0
Dry	20.5	10.7	5.3	0.4	0.4	2.9	22.2	54.5	51.0	57.8	45.5	14.2	285.6
Critical	20.5	10.7	5.3	0.4	0.4	3.3	20.7	51.4	48.2	55.7	44.2	14.0	275.0
All Years	20.3	10.6	5.3	0.4	0.4	2.9	19.5	60.8	57.4	66.7	54.6	17.9	316.8

Change (CEQA Modified Flow Alternative – CEQA No Project Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Above Normal	0.5	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Below Normal	0.1	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.9	1.1	0.9	0.3	4.7
Dry	0.4	0.2	0.1	0.0	0.0	0.1	0.6	0.3	0.2	0.1	-0.3	-0.2	1.4
Critical	0.1	0.1	0.0	0.0	0.0	0.0	0.5	1.4	1.3	1.5	1.3	0.4	6.5
All Years	0.2	0.1	0.1	0.0	0.0	0.0	0.3	0.5	0.4	0.5	0.3	0.1	2.5

Percent Change (CEQA Modified Flow Alternative – CEQA No Project Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	1%	1%	1%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
Above Normal	2%	2%	2%	2%	2%	3%	0%	0%	0%	0%	0%	0%	0%
Below Normal	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%	1%
Dry	2%	2%	2%	2%	2%	2%	3%	0%	0%	0%	-1%	-2%	0%
Critical	1%	1%	1%	1%	1%	1%	2%	3%	3%	3%	3%	3%	2%
All Years	1%	1%	1%	1%	1%	2%	1%	1%	1%	1%	1%	0%	1%

Note: Surface water deliveries to Member Units have been reduced to account for any groundwater substitution pumping.

Table F1-11. CVP South-of-Delta Water Service Contractor and Refuge Deliveries

Year Type	CVP South-of-Delta Water Service Contractor and Refuge Deliveries (TAF)			
	CEQA No Project Alternative	CEQA Modified Flow Alternative	Change (CEQA No Project Alternative-CEQA Modified Flow Alternative)	Percent Change (CEQA Modified Flow Alternative – CEQA No Project Alternative)
Wet	1,939	1,939	0	0%
Above Normal	1,743	1,743	0	0%
Below Normal	1,574	1,572	-2	0%
Dry	1,267	1,256	-11	-1%
Critical	731	708	-23	-3%
All Years	1,496	1,490	-7	0%

Table F1-12. SWP Table A Deliveries

Year Type	SWP Table A Deliveries (TAF)			
	CEQA No Project Alternative	CEQA Modified Flow Alternative	Change (CEQA No Project Alternative-CEQA Modified Flow Alternative)	Percent Change (CEQA Modified Flow Alternative – CEQA No Project Alternative)
Wet	3,293	3,293	0	0%
Above Normal	3,260	3,260	0	0%
Below Normal	3,268	3,267	-2	0%
Dry	2,657	2,648	-9	0%
Critical	1,596	1,577	-19	-1%
All Years	2,865	2,860	-5	0%

Note: CVP and SWP deliveries do not include water made available from water transfers of water provided under the Yuba Accord Water Purchase Agreement.

Table F1-13. X2 Location

Number of Years of X2 Location < 81 KM (December)				
Year Type	CEQA No Project Alternative	CEQA Modified Flow Alternative	Change (CEQA Modified Flow Alternative - CEQA No Project Alternative)	Percent Change (CEQA Modified Flow Alternative - CEQA No Project Alternative)
Wet	1	1	0	0%
Above Normal	5	5	0	0%
Below Normal	8	8	0	0%
Dry	9	10	1	11%
Critical	11	11	0	0%
All Year	34	35	1	3%

Number of Years of X2 Location < 81 KM (January)				
Year Type	CEQA No Project Alternative	CEQA Modified Flow Alternative	Change (CEQA Modified Flow Alternative - CEQA No Project Alternative)	Percent Change (CEQA Modified Flow Alternative - CEQA No Project Alternative)
Wet	0	1	1	
Above Normal	0	1	1	
Below Normal	3	4	1	33%
Dry	8	8	0	0%
Critical	8	8	0	0%
All Year	19	22	3	16%

Note: The tables show the number of times that for a particular month that X2 is located west of Collinsville for a 73-year period of simulation. For the months of December and January, filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods when X2 is west of Collinsville.

Table F1-14. Years of Surplus Delta Outflow

Years of Surplus Delta Outflow												
CEQA No Project Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	10	21	21	20	18	18	20	13	2	2	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	13	8	6	12	13	3	0	0	0
Dry	1	2	15	16	6	5	8	12	0	0	0	0
Critical	1	1	8	12	4	2	4	8	0	0	0	0
All Years	14	19	63	72	48	41	51	61	19	2	2	14

CEQA Modified Flow Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	9	21	21	20	18	18	20	13	2	6	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	13	8	6	11	13	3	0	0	0
Dry	1	2	14	15	6	6	7	9	0	0	0	0
Critical	1	0	8	12	4	2	2	4	0	0	0	0
All Years	14	17	62	71	48	42	47	54	19	2	6	14

Change (CEQA Modified Flow Alternative – CEQA No Project Alternative)												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	0	-1	0	0	0	0	0	0	0	0	4	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	-1	0	0	0	0	0
Dry	0	0	-1	-1	0	1	-1	-3	0	0	0	0
Critical	0	-1	0	0	0	0	-2	-4	0	0	0	0
All Years	0	-2	-1	-1	0	1	-4	-7	0	0	4	0

Note: The tables show the number of times that for a particular month the Delta is in excess water conditions for a 73-year period of simulation. Filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods of excess water conditions.

**Table F1-15. Monthly Average Mean Daily South Delta Water Levels**

Monthly Average Mean Daily South Delta Water Levels (ft-msl)													
CEQA No Project Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.76	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.27	1.79	1.72	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.69	0.68	1.06	1.21	1.77	1.68	1.43	1.23	2.37	1.87	1.76	1.90	1.47
Middle River near the Undine Road Bridge	1.00	0.89	1.78	2.14	3.16	3.17	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

CEQA Modified Flow Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.75	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.28	1.79	1.72	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.69	0.67	1.06	1.21	1.77	1.68	1.43	1.22	2.37	1.87	1.76	1.90	1.47
Middle River near the Undine Road Bridge	0.99	0.89	1.78	2.14	3.16	3.17	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

Change (CEQA Modified Flow Alternative-CEQA No Project Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily mean simulated water levels for the month shown for a 16-year period of simulation.

**Table F1-16. Monthly Average Minimum Daily South Delta Water Levels**

Monthly Average Minimum Daily South Delta Water Levels (ft-msl)													
CEQA No Project Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.55	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.14	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

CEQA Modified Flow Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.56	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.14	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

Change (CEQA Modified Flow Alternative-CEQA No Project Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily minimum simulated water levels for the month shown for a 16-year period of simulation.

## CEQA YUBA ACCORD ALTERNATIVE COMPARED TO THE CEQA EXISTING CONDITION

**Table F1-17. YCWA Member Unit Annual Surface Water Allocations**

Year Type	Annual Surface Water Allocation (%)		
	CEQA Existing Condition	CEQA Yuba Accord Alternative	Change (CEQA Yuba Accord Alternative - CEQA Existing Condition)
Wet	100.0%	99.7%	-0.3%
Above Normal	97.3%	94.7%	-2.6%
Below Normal	100.0%	100.0%	0.0%
Dry	100.0%	99.3%	-0.7%
Critical	97.8%	95.3%	-2.5%
All Years	99.3%	98.3%	-1.0%

Table F1-18. Surface Water Deliveries to YCWA Member Units

Surface Water Deliveries (TAF)													
CEQA Existing Condition													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	18.7	10.4	5.2	0.4	0.4	1.8	13.1	59.2	54.2	63.9	53.7	17.7	299
Above Normal	17.7	9.9	4.9	0.4	0.4	1.8	13.1	59.2	54.2	63.9	53.7	17.7	296.8
Below Normal	18.7	10.4	5.2	0.4	0.4	1.8	14.9	59.2	54.2	63.9	53.7	17.7	300.5
Dry	18.7	10.4	5.2	0.4	0.4	1.9	17.3	49.6	44.6	51.0	40.9	12.6	253.0
Critical	18.7	10.4	5.2	0.4	0.4	2.2	16.5	48.2	43.4	50.6	40.9	12.7	249.7
All Years	18.6	10.4	5.2	0.4	0.4	1.9	14.9	55.3	50.3	58.9	48.8	15.8	280.7

Yuba Accord Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.5	10.7	5.3	0.4	0.4	2.8	17.6	65.4	62.0	72.6	60.3	20.1	338.1
Above Normal	18.7	9.8	4.9	0.4	0.4	2.7	17.6	65.6	62.2	72.8	60.5	20.2	335.6
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.6	65.6	62.2	72.8	60.5	20.2	341.0
Dry	20.2	10.6	5.3	0.4	0.4	2.9	22.2	52.3	48.4	54.2	41.9	13.0	271.8
Critical	20.5	10.7	5.3	0.4	0.4	3.3	20.1	47.6	44.5	51.2	40.1	12.4	256.7
All Years	20.2	10.5	5.3	0.4	0.4	2.9	19.4	59.7	56.2	65.1	53.0	17.3	310.4

Change (Yuba Accord Alternative – CEQA Existing Condition)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	1.8	0.2	0.1	0.0	0.0	1.0	4.5	6.2	7.8	8.7	6.6	2.4	39.5
Above Normal	1.0	-0.1	-0.1	0.0	0.0	0.8	4.6	6.4	8.0	8.9	6.8	2.5	38.8
Below Normal	1.9	0.3	0.1	0.0	0.0	1.0	4.7	6.4	8.0	8.9	6.8	2.5	40.6
Dry	1.6	0.1	0.1	0.0	0.0	1.0	4.9	2.7	3.8	3.2	1.1	0.4	18.8
Critical	1.9	0.3	0.1	0.0	0.0	1.0	3.6	-0.5	1.1	0.6	-0.8	-0.3	7.0
All Years	1.7	0.2	0.1	0.0	0.0	1.0	4.5	4.4	5.9	6.2	4.2	1.6	29.7

Percent Change (Yuba Accord Alternative – CEQA Existing Condition)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	10%	2%	2%	0%	0%	56%	35%	11%	14%	14%	12%	14%	13%
Above Normal	6%	-1%	-1%	-4%	-4%	45%	35%	11%	15%	14%	13%	14%	13%
Below Normal	10%	3%	2%	0%	0%	57%	32%	11%	15%	14%	13%	14%	14%
Dry	8%	1%	1%	-1%	-1%	51%	28%	5%	9%	6%	3%	3%	7%
Critical	10%	3%	2%	0%	0%	47%	22%	-1%	3%	1%	-2%	-3%	3%
All Years	9%	2%	2%	-1%	-1%	52%	30%	8%	12%	11%	9%	10%	11%

Note: Surface water deliveries to Member Units have been reduced to account for any groundwater substitution pumping.

**Table F1-19. CVP South-of-Delta Water Service Contractor and Refuge Deliveries**

Year Type	CVP South-of-Delta Water Service Contractor and Refuge Deliveries (TAF)			
	CEQA Existing Condition	CEQA Yuba Accord Alternative	Change (CEQA Existing Condition-CEQA Yuba Accord Alternative)	Percent Change (CEQA Yuba Accord Alternative – CEQA Existing Condition)
Wet	1,947	1,939	-8	0%
Above Normal	1,755	1,743	-11	-1%
Below Normal	1,582	1,572	-10	-1%
Dry	1,265	1,256	-9	-1%
Critical	714	708	-7	-1%
All Years	1,499	1,490	-9	-1%

**Table F1-20. SWP Table A Deliveries**

Year Type	SWP Table A Deliveries (TAF)			
	CEQA Existing Condition	CEQA Yuba Accord Alternative	Change (CEQA Existing Condition-CEQA Yuba Accord Alternative)	Percent Change (CEQA Yuba Accord Alternative – CEQA Existing Condition)
Wet	3,300	3,293	-7	0%
Above Normal	3,270	3,260	-9	0%
Below Normal	3,275	3,267	-8	0%
Dry	2,656	2,648	-8	0%
Critical	1,582	1,577	-5	0%
All Years	2,867	2,860	-7	0%

Note: CVP and SWP deliveries do not include water made available from water transfers of water provided under the Yuba Accord Water Purchase Agreement.

Table F1-21. X2 Location

Number of Years of X2 Location < 81 KM (December)				
Year Type	CEQA Existing Conditions	CEQA Yuba Accord Alternative	Change (CEQA Yuba Accord Alternative-CEQA Existing Conditions)	Percent Change (CEQA Yuba Accord Alternative-CEQA Existing Conditions)
Wet	1	1	0	0%
Above Normal	5	5	0	0%
Below Normal	8	8	0	0%
Dry	10	11	1	10%
Critical	11	11	0	0%
All Year	35	36	1	3%

Number of Years of X2 Location < 81 KM (January)				
Year Type	CEQA Existing Conditions	CEQA Yuba Accord Alternative	Change (CEQA Yuba Accord Alternative-CEQA Existing Conditions)	Percent Change (CEQA Yuba Accord Alternative-CEQA Existing Conditions)
Wet	1	1	0	0%
Above Normal	1	1	0	0%
Below Normal	4	3	-1	-25%
Dry	8	8	0	0%
Critical	8	8	0	0%
All Year	22	21	-1	-5%

Note: The tables show the number of times that for a particular month that X2 is located west of Collinsville for a 73-year period of simulation. For the months of December and January, filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods when X2 is west of Collinsville.

Table F1-22. Years of Surplus Delta Outflow

Years of Surplus Delta Outflow												
CEQA Existing Conditions												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	9	21	21	20	18	18	20	13	2	4	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	12	8	6	11	13	3	0	0	0
Dry	1	2	14	15	6	6	8	9	0	0	0	0
Critical	1	0	8	12	4	2	2	4	0	0	0	0
All Years	14	17	62	70	48	42	48	54	19	2	4	14

CEQA Yuba Accord Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	10	21	21	20	18	18	20	13	2	6	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	13	8	6	12	13	3	0	0	0
Dry	1	2	14	16	6	6	8	11	0	0	0	0
Critical	1	0	8	12	4	2	4	7	1	0	0	0
All Years	14	18	62	72	48	42	51	59	20	2	6	14

Change (CEQA Yuba Accord Alternative – CEQA Existing Conditions)												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	0	1	0	0	0	0	0	0	0	0	2	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	1	0	0	1	0	0	0	0	0
Dry	0	0	0	1	0	0	0	2	0	0	0	0
Critical	0	0	0	0	0	0	2	3	1	0	0	0
All Years	0	1	0	2	0	0	3	5	1	0	2	0

Note: The tables show the number of times that for a particular month the Delta is in excess water conditions for a 73-year period of simulation. Filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods of excess water conditions.

Table F1-23. Monthly Average Mean Daily South Delta Water Levels

Monthly Average Mean Daily South Delta Water Levels (ft-msl)													
CEQA Existing Conditions													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.75	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.28	1.78	1.71	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.68	0.67	1.06	1.21	1.77	1.68	1.43	1.22	2.37	1.86	1.76	1.90	1.47
Middle River near the Undine Road Bridge	0.99	0.89	1.78	2.14	3.16	3.16	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

CEQA Yuba Accord Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.75	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.28	1.79	1.71	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.69	0.67	1.05	1.20	1.77	1.68	1.43	1.23	2.37	1.87	1.76	1.90	1.47
Middle River near the Undine Road Bridge	0.99	0.89	1.77	2.14	3.16	3.16	2.45	1.85	2.93	2.16	1.84	2.00	2.11

  

Change (CEQA Yuba Accord Alternative-CEQA Existing Conditions)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily mean simulated water levels for the month shown for a 16-year period of simulation.

**Table F1-24. Monthly Average Minimum Daily South Delta Water Levels**

Monthly Average Minimum Daily South Delta Water Levels (ft-msl)													
CEQA Existing Condition													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.56	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.15	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

CEQA Yuba Accord Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.55	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.15	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

Change (CEQA Yuba Accord Alternative-CEQA Existing Condition)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily minimum simulated water levels for the month shown for a 16-year period of simulation.

## CEQA MODIFIED FLOW ALTERNATIVE COMPARED TO THE CEQA EXISTING CONDITION

Table F1-25. YCWA Member Unit Annual Surface Water Allocations

Year Type	Annual Surface Water Allocation (%)		
	CEQA Existing Condition	CEQA Modified Flow Alternative	Change (CEQA Modified Flow Alternative - CEQA Existing Condition)
Wet	100.0%	100.0%	0.0%
Above Normal	97.3%	96.0%	-1.3%
Below Normal	100.0%	100.0%	0.0%
Dry	100.0%	100.0%	0.0%
Critical	97.8%	96.7%	-1.1%
All Years	99.3%	98.9%	-0.4%

Table F1-26. Surface Water Deliveries to YCWA Member Units

Surface Water Deliveries (TAF)													
CEQA Existing Condition													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	18.7	10.4	5.2	0.4	0.4	1.8	13.1	59.2	54.2	63.9	53.7	17.7	299
Above Normal	17.7	9.9	4.9	0.4	0.4	1.8	13.1	59.2	54.2	63.9	53.7	17.7	296.8
Below Normal	18.7	10.4	5.2	0.4	0.4	1.8	14.9	59.2	54.2	63.9	53.7	17.7	300.5
Dry	18.7	10.4	5.2	0.4	0.4	1.9	17.3	49.6	44.6	51.0	40.9	12.6	253.0
Critical	18.7	10.4	5.2	0.4	0.4	2.2	16.5	48.2	43.4	50.6	40.9	12.7	249.7
All Years	18.6	10.4	5.2	0.4	0.4	1.9	14.9	55.3	50.3	58.9	48.8	15.8	280.7

CEQA Modified Flow Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.5	10.7	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	339.1
Above Normal	18.9	9.9	4.9	0.4	0.4	2.7	17.6	65.6	62.2	72.8	60.5	20.2	336.0
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.6	65.6	62.2	72.8	60.5	20.2	341.0
Dry	20.5	10.7	5.3	0.4	0.4	2.9	22.2	54.5	51.0	57.8	45.5	14.2	285.6
Critical	20.5	10.7	5.3	0.4	0.4	3.3	20.7	51.4	48.2	55.7	44.2	14.0	275.0
All Years	20.3	10.6	5.3	0.4	0.4	2.9	19.5	60.8	57.4	66.7	54.6	17.9	316.8

Change (CEQA Modified Flow Alternative – CEQA Existing Condition)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	1.9	0.3	0.1	0.0	0.0	1.0	4.6	6.4	8.0	8.9	6.8	2.5	40.4
Above Normal	1.2	0.0	0.0	0.0	0.0	0.9	4.6	6.4	8.0	8.9	6.8	2.5	39.2
Below Normal	1.9	0.3	0.1	0.0	0.0	1.0	4.7	6.4	8.0	8.9	6.8	2.5	40.6
Dry	1.9	0.3	0.1	0.0	0.0	1.0	4.9	4.8	6.4	6.8	4.7	1.6	32.5
Critical	1.9	0.3	0.1	0.0	0.0	1.0	4.2	3.2	4.8	5.1	3.3	1.2	25.3
All Years	1.8	0.2	0.1	0.0	0.0	1.0	4.6	5.5	7.1	7.8	5.7	2.1	36.1

Percent Change (CEQA Modified Flow Alternative – CEQA Existing Condition)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	10%	3%	2%	0%	0%	56%	35%	11%	15%	14%	13%	14%	14%
Above Normal	7%	0%	0%	-3%	-3%	47%	35%	11%	15%	14%	13%	14%	13%
Below Normal	10%	3%	2%	0%	0%	57%	32%	11%	15%	14%	13%	14%	14%
Dry	10%	3%	2%	0%	0%	54%	28%	10%	14%	13%	11%	13%	13%
Critical	10%	3%	2%	0%	0%	47%	26%	7%	11%	10%	8%	10%	10%
All Years	10%	2%	2%	0%	0%	53%	31%	10%	14%	13%	12%	13%	13%

Note: Surface water deliveries to Member Units have been reduced to account for any groundwater substitution pumping.

Table F1-27. CVP South-of-Delta Water Service Contractor and Refuge Deliveries

Year Type	CVP South-of-Delta Water Service Contractor and Refuge Deliveries (TAF)			
	CEQA Existing Condition	CEQA Modified Flow Alternative	Change (CEQA Existing Condition-CEQA Modified Flow Alternative)	Percent Change (CEQA Modified Flow Alternative – CEQA Existing Condition)
Wet	1,947	1,939	-8	0%
Above Normal	1,755	1,743	-11	-1%
Below Normal	1,582	1,572	-10	-1%
Dry	1,265	1,256	-9	-1%
Critical	714	708	-7	-1%
All Years	1,499	1,490	-9	-1%

Table F1-28. SWP Table A Deliveries

Year Type	SWP Table A Deliveries (TAF)			
	CEQA Existing Condition	CEQA Modified Flow Alternative	Change (CEQA Existing Condition-CEQA Modified Flow Alternative)	Percent Change (CEQA Modified Flow Alternative – CEQA Existing Condition)
Wet	3,300	3,293	-7	0%
Above Normal	3,270	3,260	-9	0%
Below Normal	3,275	3,267	-8	0%
Dry	2,656	2,648	-8	0%
Critical	1,582	1,577	-5	0%
All Years	2,867	2,860	-7	0%

Note: CVP and SWP deliveries do not include water made available from water transfers of water provided under the Yuba Accord Water Purchase Agreement.

Table F1-29. X2 Location

Number of Years of X2 Location < 81 KM (December)				
Year Type	CEQA Existing Conditions	CEQA Modified Flow Alternative	Change (CEQA Modified Flow Alternative -CEQA Existing Conditions)	Percent Change (CEQA Modified Flow Alternative-CEQA Existing Conditions)
Wet	1	1	0	0%
Above Normal	5	5	0	0%
Below Normal	8	8	0	0%
Dry	10	10	0	0%
Critical	11	11	0	0%
All Year	35	35	0	0%

Number of Years of X2 Location < 81 KM (January)				
Year Type	CEQA Existing Conditions	CEQA Modified Flow Alternative	Change (CEQA Modified Flow Alternative -CEQA Existing Conditions)	Percent Change (CEQA Modified Flow Alternative-CEQA Existing Conditions)
Wet	1	1	0	0%
Above Normal	1	1	0	0%
Below Normal	4	4	0	0%
Dry	8	8	0	0%
Critical	8	8	0	0%
All Year	22	22	0	0%

Note: The tables show the number of times that for a particular month that X2 is located west of Collinsville for a 73-year period of simulation. For the months of December and January, filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods when X2 is west of Collinsville.

Table F1-30. Years of Surplus Delta Outflow

Years of Surplus Delta Outflow												
CEQA Existing Conditions												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	9	21	21	20	18	18	20	13	2	4	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	12	8	6	11	13	3	0	0	0
Dry	1	2	14	15	6	6	8	9	0	0	0	0
Critical	1	0	8	12	4	2	2	4	0	0	0	0
All Years	14	17	62	70	48	42	48	54	19	2	4	14

CEQA Modified Flow Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	9	21	21	20	18	18	20	13	2	6	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	13	8	6	11	13	3	0	0	0
Dry	1	2	14	15	6	6	7	9	0	0	0	0
Critical	1	0	8	12	4	2	2	4	0	0	0	0
All Years	14	17	62	71	48	42	47	54	19	2	6	14

Change (CEQA Modified Flow Alternative – CEQA Existing Conditions)												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	0	0	0	0	0	0	0	0	0	0	2	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	1	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	-1	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0
All Years	0	0	0	1	0	0	-1	0	0	0	2	0

Note: The tables show the number of times that for a particular month the Delta is in excess water conditions for a 73-year period of simulation. Filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods of excess water conditions.

Table F1-31. Monthly Average Mean Daily South Delta Water Levels

Monthly Average Mean Daily South Delta Water Levels (ft-msl)													
CEQA Existing Conditions													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.75	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.28	1.78	1.71	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.68	0.67	1.06	1.21	1.77	1.68	1.43	1.22	2.37	1.86	1.76	1.90	1.47
Middle River near the Undine Road Bridge	0.99	0.89	1.78	2.14	3.16	3.16	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

CEQA Modified Flow Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.75	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.28	1.79	1.72	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.69	0.67	1.06	1.21	1.77	1.68	1.43	1.22	2.37	1.87	1.76	1.90	1.47
Middle River near the Undine Road Bridge	0.99	0.89	1.78	2.14	3.16	3.17	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

Change (CEQA Modified Flow Alternative-CEQA Existing Conditions)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily mean simulated water levels for the month shown for a 16-year period of simulation.

**Table F1-32. Monthly Average Minimum Daily South Delta Water Levels**

Monthly Average Minimum Daily South Delta Water Levels (ft-msl)													
CEQA Existing Condition													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.56	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.15	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

CEQA Modified Flow Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.56	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.14	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

Change (CEQA Modified Flow Alternative-CEQA Existing Condition)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily minimum simulated water levels for the month shown for a 16-year period of simulation.

## CEQA NO PROJECT ALTERNATIVE COMPARED TO THE CEQA EXISTING CONDITION

**Table F1-33. YCWA Member Unit Annual Surface Water Allocations**

Year Type	Annual Surface Water Allocation (%)		
	CEQA Existing Condition	CEQA No Project Alternative	Change (CEQA No Project Alternative - CEQA Existing Condition)
Wet	100.0%	99.5%	-0.5%
Above Normal	97.3%	93.9%	-3.4%
Below Normal	100.0%	99.1%	-0.9%
Dry	100.0%	97.7%	-2.3%
Critical	97.8%	95.3%	-2.4%
All Years	99.3%	97.6%	-1.7%

Table F1-34. Surface Water Deliveries to YCWA Member Units

Surface Water Deliveries (TAF)													
CEQA Existing Condition													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	18.7	10.4	5.2	0.4	0.4	1.8	13.1	59.2	54.2	63.9	53.7	17.7	299
Above Normal	17.7	9.9	4.9	0.4	0.4	1.8	13.1	59.2	54.2	63.9	53.7	17.7	296.8
Below Normal	18.7	10.4	5.2	0.4	0.4	1.8	14.9	59.2	54.2	63.9	53.7	17.7	300.5
Dry	18.7	10.4	5.2	0.4	0.4	1.9	17.3	49.6	44.6	51.0	40.9	12.6	253.0
Critical	18.7	10.4	5.2	0.4	0.4	2.2	16.5	48.2	43.4	50.6	40.9	12.7	249.7
All Years	18.6	10.4	5.2	0.4	0.4	1.9	14.9	55.3	50.3	58.9	48.8	15.8	280.7

  

CEQA No Project Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.3	10.6	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	338.6
Above Normal	18.4	9.6	4.8	0.4	0.4	2.6	17.6	65.6	62.2	72.8	60.5	20.2	335.1
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.3	64.6	61.2	71.7	59.6	19.9	336.4
Dry	20.2	10.5	5.2	0.4	0.4	2.8	21.6	54.2	50.9	57.7	45.8	14.4	284.2
Critical	20.4	10.7	5.3	0.4	0.4	3.3	20.3	50.1	46.9	54.2	43.0	13.5	268.4
All Years	20.1	10.5	5.2	0.4	0.4	2.8	19.2	60.4	57.0	66.2	54.2	17.8	314.3

  

Change (CEQA No Project Alternative – CEQA Existing Condition)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	1.6	0.2	0.1	0.0	0.0	1.0	4.6	6.4	8.0	8.9	6.8	2.5	40.0
Above Normal	0.8	-0.3	-0.1	0.0	0.0	0.8	4.6	6.4	8.0	8.9	6.8	2.5	38.3
Below Normal	1.8	0.2	0.1	0.0	0.0	1.0	4.4	5.4	7.1	7.8	5.9	2.2	35.9
Dry	1.5	0.1	0.0	0.0	0.0	0.9	4.3	4.6	6.3	6.7	4.9	1.9	31.2
Critical	1.7	0.2	0.1	0.0	0.0	1.0	3.8	1.9	3.5	3.6	2.1	0.8	18.7
All Years	1.5	0.1	0.0	0.0	0.0	1.0	4.3	5.1	6.7	7.3	5.4	2.0	33.5

  

Percent Change (CEQA No Project Alternative – CEQA Existing Condition)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	9%	1%	1%	-1%	-1%	53%	35%	11%	15%	14%	13%	14%	13%
Above Normal	4%	-3%	-3%	-5%	-5%	42%	35%	11%	15%	14%	13%	14%	13%
Below Normal	10%	2%	2%	0%	0%	56%	29%	9%	13%	12%	11%	12%	12%
Dry	8%	1%	1%	-2%	-2%	50%	25%	9%	14%	13%	12%	15%	12%
Critical	9%	2%	2%	-1%	-1%	46%	23%	4%	8%	7%	5%	6%	7%
All Years	8%	1%	1%	-2%	-2%	50%	29%	9%	13%	12%	11%	13%	12%

Note: Surface water deliveries to Member Units have been reduced to account for any groundwater substitution pumping.

Table F1-35. CVP South-of-Delta Water Service Contractor and Refuge Deliveries

Year Type	CVP South-of-Delta Water Service Contractor and Refuge Deliveries (TAF)			
	CEQA Existing Condition	CEQA No Project Alternative	Change (CEQA Existing Condition-CEQA No Project Alternative)	Percent Change (CEQA No Project Alternative – CEQA Existing Condition)
Wet	1,947	1,939	-8	0%
Above Normal	1,755	1,743	-11	-1%
Below Normal	1,582	1,574	-8	-1%
Dry	1,265	1,267	2	0%
Critical	714	731	17	2%
All Years	1,499	1,496	-2	0%

Table F1-36. SWP Table A Deliveries

Year Type	SWP Table A Deliveries (TAF)			
	CEQA Existing Condition	CEQA No Project Alternative	Change (CEQA Existing Condition-CEQA No Project Alternative)	Percent Change (CEQA No Project Alternative – CEQA Existing Condition)
Wet	3,300	3,293	-7	0%
Above Normal	3,270	3,260	-9	0%
Below Normal	3,275	3,268	-6	0%
Dry	2,656	2,657	1	0%
Critical	1,582	1,596	14	1%
All Years	2,867	2,865	-2	0%

Note: CVP and SWP deliveries do not include water made available from water transfers of water provided under the Yuba Accord Water Purchase Agreement.

Table F1-37. X2 Location

Number of Years of X2 Location < 81 KM (December)				
Year Type	CEQA Existing Conditions	CEQA No Project Alternative	Change (No Project Alternative -CEQA Existing Conditions)	Percent Change (No Project Alternative -CEQA Existing Conditions)
Wet	1	1	0	0%
Above Normal	5	5	0	0%
Below Normal	8	8	0	0%
Dry	10	9	-1	-10%
Critical	11	11	0	0%
All Year	35	34	-1	-3%

Number of Years of X2 Location < 81 KM (January)				
Year Type	CEQA Existing Conditions	CEQA No Project Alternative	Change (No Project Alternative -CEQA Existing Conditions)	Percent Change (No Project Alternative -CEQA Existing Conditions)
Wet	1	0	-1	-100%
Above Normal	1	0	-1	-100%
Below Normal	4	3	-1	-25%
Dry	8	8	0	0%
Critical	8	8	0	0%
All Year	22	19	-3	-14%

Note: The tables show the number of times that for a particular month that X2 is located west of Collinsville for a 73-year period of simulation. For the months of December and January, filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods when X2 is west of Collinsville.

Table F1-38. Years of Surplus Delta Outflow

Years of Surplus Delta Outflow												
CEQA Existing Conditions												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	9	21	21	20	18	18	20	13	2	4	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	12	8	6	11	13	3	0	0	0
Dry	1	2	14	15	6	6	8	9	0	0	0	0
Critical	1	0	8	12	4	2	2	4	0	0	0	0
All Years	14	17	62	70	48	42	48	54	19	2	4	14

  

CEQA No Project Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	9	10	21	21	20	18	18	20	13	2	2	14
Above Normal	1	4	9	10	10	10	9	8	3	0	0	0
Below Normal	2	2	10	13	8	6	12	13	3	0	0	0
Dry	1	2	15	16	6	5	8	12	0	0	0	0
Critical	1	1	8	12	4	2	4	8	0	0	0	0
All Years	14	19	63	72	48	41	51	61	19	2	2	14

  

Change (CEQA No Project Alternative – CEQA Existing Conditions)												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	0	1	0	0	0	0	0	0	0	0	-2	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	1	0	0	1	0	0	0	0	0
Dry	0	0	1	1	0	-1	0	3	0	0	0	0
Critical	0	1	0	0	0	0	2	4	0	0	0	0
All Years	0	2	1	2	0	-1	3	7	0	0	-2	0

Note: The tables show the number of times that for a particular month the Delta is in excess water conditions for a 73-year period of simulation. Filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods of excess water conditions.

Table F1-39. Monthly Average Mean Daily South Delta Water Levels

Monthly Average Mean Daily South Delta Water Levels (ft-msl)													
CEQA Existing Conditions													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.75	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.28	1.78	1.71	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.68	0.67	1.06	1.21	1.77	1.68	1.43	1.22	2.37	1.86	1.76	1.90	1.47
Middle River near the Undine Road Bridge	0.99	0.89	1.78	2.14	3.16	3.16	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

CEQA No Project Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.76	0.64	0.98	1.13	1.69	1.58	1.43	1.15	2.27	1.79	1.72	1.88	1.42
Grant Line Canal near Tracy Road Bridge	0.69	0.68	1.06	1.21	1.77	1.68	1.43	1.23	2.37	1.87	1.76	1.90	1.47
Middle River near the Undine Road Bridge	1.00	0.89	1.78	2.14	3.16	3.17	2.45	1.85	2.92	2.16	1.84	2.00	2.11

  

Change (CEQA No Project Alternative-CEQA Existing Conditions)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily mean simulated water levels for the month shown for a 16-year period of simulation.

**Table F1-40. Monthly Average Minimum Daily South Delta Water Levels**

Monthly Average Minimum Daily South Delta Water Levels (ft-msl)													
CEQA Existing Condition													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.56	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.15	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

CEQA No Project Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.67	-0.80	-0.56	-0.43	-0.28	-0.31	-0.41	-0.55	0.00	0.00	0.00	0.00	-0.34
Grant Line Canal near Tracy Road Bridge	-0.14	-0.78	-0.60	-0.47	-0.31	-0.35	-0.05	-0.07	0.00	0.00	0.00	0.00	-0.23
Middle River near the Undine Road Bridge	-0.64	-0.82	-0.21	-0.16	-0.07	-0.11	-0.30	-0.52	0.00	0.00	0.00	0.00	-0.24

  

Change (CEQA No Project Alternative-CEQA Existing Condition)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily minimum simulated water levels for the month shown for a 16-year period of simulation.

## NEPA YUBA ACCORD ALTERNATIVE COMPARED TO THE NEPA NO ACTION ALTERNATIVE

**Table F1-41. YCWA Member Unit Annual Surface Water Allocations**

Year Type	Annual Surface Water Allocation (%)		
	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Change (NEPA Yuba Accord Alternative - NEPA No Action Alternative)
Wet	99.5%	99.7%	0.3%
Above Normal	93.9%	94.7%	0.9%
Below Normal	99.1%	100.0%	0.9%
Dry	97.7%	99.3%	1.6%
Critical	95.3%	95.3%	0.0%
All Years	97.6%	98.3%	0.7%

Table F1-42. Surface Water Deliveries to YCWA Member Units

Surface Water Deliveries (TAF)													
NEPA No Action Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.3	10.6	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	339.0
Above Normal	18.4	9.6	4.8	0.4	0.4	2.6	17.6	65.6	62.2	72.8	60.5	20.2	335.1
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.3	64.6	61.2	71.7	59.6	19.9	336.4
Dry	20.2	10.5	5.2	0.4	0.4	2.8	21.6	55.0	51.6	58.7	46.7	14.8	287.9
Critical	20.4	10.7	5.3	0.4	0.4	3.3	20.3	51.8	48.7	56.3	45.1	14.4	277.1
All Years	20.1	10.5	5.2	0.4	0.4	2.8	19.2	60.8	57.5	66.8	54.8	18.0	316.5

NEPA Yuba Accord Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.5	10.7	5.3	0.4	0.4	2.8	17.6	65.4	62.0	72.6	60.3	20.1	338.1
Above Normal	18.7	9.8	4.9	0.4	0.4	2.7	17.6	65.6	62.2	72.8	60.5	20.2	335.6
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.6	65.6	62.2	72.8	60.5	20.2	341.0
Dry	20.2	10.6	5.3	0.4	0.4	2.9	22.2	53.2	49.1	55.0	42.7	13.8	275.7
Critical	20.5	10.7	5.3	0.4	0.4	3.3	20.1	49.4	46.3	53.4	42.3	13.3	265.5
All Years	20.2	10.5	5.3	0.4	0.4	2.9	19.4	60.2	56.6	65.6	53.6	17.7	312.7

Change (NEPA Yuba Accord Alternative – NEPA No Action Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.5
Above Normal	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Below Normal	0.1	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.9	1.1	0.9	0.3	4.7
Dry	0.1	0.0	0.0	0.0	0.0	0.0	0.6	-1.8	-2.6	-3.7	-4.0	-1.0	-12.2
Critical	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-2.4	-2.4	-2.9	-2.9	-1.1	-11.7
All Years	0.1	0.1	0.0	0.0	0.0	0.0	0.2	-0.7	-0.8	-1.1	-1.2	-0.4	-3.8

Percent Change (NEPA Yuba Accord Alternative – NEPA No Action Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
Above Normal	1%	1%	1%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
Below Normal	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%	1%
Dry	0%	0%	0%	0%	0%	1%	3%	-3%	-5%	-6%	-9%	-6%	-4%
Critical	1%	1%	1%	1%	1%	1%	-1%	-5%	-5%	-5%	-6%	-8%	-4%
All Years	1%	1%	1%	1%	1%	1%	1%	-1%	-1%	-2%	-2%	-2%	-1%

Note: Surface water deliveries to Member Units have been reduced to account for any groundwater substitution pumping.

Table F1-43. CVP South-of-Delta Water Service Contractor and Refuge Deliveries

Year Type	CVP South-of-Delta Water Service Contractor and Refuge Deliveries (TAF)			
	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Change (NEPA No Action Alternative-NEPA Yuba Accord Alternative)	Percent Change (NEPA Yuba Accord Alternative – NEPA No Action Alternative)
Wet	2,051	2,050	0	0%
Above Normal	1,864	1,864	0	0%
Below Normal	1,633	1,630	-2	0%
Dry	1,322	1,311	-12	-1%
Critical	732	709	-23	-3%
All Years	1,569	1,562	-7	0%

Table F1-44. SWP Table A Deliveries

Year Type	SWP Table A Deliveries (TAF)			
	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Change (NEPA No Action Alternative-NEPA Yuba Accord Alternative)	Percent Change (NEPA Yuba Accord Alternative – NEPA No Action Alternative)
Wet	3,667	3,667	0	0%
Above Normal	3,695	3,695	0	0%
Below Normal	3,472	3,470	-2	0%
Dry	2,715	2,705	-9	0%
Critical	1,739	1,721	-19	-1%
All Years	3,108	3,102	-6	0%

Note: CVP and SWP deliveries do not include water made available from water transfers of water provided under the Yuba Accord Water Purchase Agreement.

Table F1-45. X2 Location

Number of Years of X2 Location < 81 KM (December)				
Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Change (NEPA Yuba Accord Alternative- NEPA No Action Alternative)	Percent Change (NEPA Yuba Accord Alternative- NEPA No Action Alternative)
Wet	2	1	-1	-50%
Above Normal	6	6	0	0%
Below Normal	9	10	1	11%
Dry	13	13	0	0%
Critical	12	12	0	0%
All Year	42	42	0	0%

Number of Years of X2 Location < 81 KM (January)				
Year Type	NEPA No Action Alternative	NEPA Yuba Accord Alternative	Change (NEPA Yuba Accord Alternative- NEPA No Action Alternative)	Percent Change (NEPA Yuba Accord Alternative- NEPA No Action Alternative)
Wet	1	1	0	0%
Above Normal	1	1	0	0%
Below Normal	3	5	2	67%
Dry	6	9	3	50%
Critical	9	9	0	0%
All Year	20	25	5	25%

Note: The tables show the number of times that for a particular month that X2 is located west of Collinsville for a 73-year period of simulation. For the months of December and January, filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods when X2 is west of Collinsville.

Table F1-46. Years of Surplus Delta Outflow

Years of Surplus Delta Outflow												
NEPA No Action Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	5	7	19	21	20	17	18	20	9	1	1	8
Above Normal	0	2	5	10	10	10	9	8	2	0	0	0
Below Normal	2	0	8	11	8	5	12	13	0	1	0	1
Dry	1	2	10	14	5	3	9	12	0	3	5	2
Critical	1	0	4	6	1	0	4	8	0	1	2	1
All Years	9	11	46	62	44	35	52	61	11	6	8	12

NEPA Yuba Accord Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	7	9	20	20	20	17	18	20	10	1	1	10
Above Normal	1	2	5	10	10	10	9	8	2	0	0	1
Below Normal	3	1	8	11	8	5	12	13	0	1	0	1
Dry	1	2	9	13	6	5	9	11	0	2	5	3
Critical	1	0	4	5	2	1	7	7	1	1	2	1
All Years	13	14	46	59	46	38	55	59	13	5	8	16

Change (NEPA Yuba Accord Alternative – NEPA No Action Alternative)												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	2	2	1	-1	0	0	0	0	1	0	0	2
Above Normal	1	0	0	0	0	0	0	0	0	0	0	1
Below Normal	1	1	0	0	0	0	0	0	0	0	0	0
Dry	0	0	-1	-1	1	2	0	-1	0	-1	0	1
Critical	0	0	0	-1	1	1	3	-1	1	0	0	0
All Years	4	3	0	-3	2	3	3	-2	2	-1	0	4

Note: The tables show the number of times that for a particular month the Delta is in excess water conditions for a 73-year period of simulation. Filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods of excess water conditions.

Table F1-47. Monthly Average Mean Daily South Delta Water Levels

Monthly Average Mean Daily South Delta Water Levels (ft-msl)													
NEPA No Action Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	1.21	1.29	1.54	1.61	2.01	1.87	1.74	1.69	1.66	1.35	1.35	1.32	1.55
Grant Line Canal near Tracy Road Bridge	1.14	1.17	1.47	1.59	2.04	1.94	1.73	1.67	1.70	1.33	1.27	1.24	1.52
Middle River near the Undine Road Bridge	1.46	1.36	2.04	2.32	3.20	3.18	2.55	2.31	2.42	1.73	1.48	1.49	2.13

  

NEPA Yuba Accord Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	1.21	1.29	1.53	1.60	2.01	1.87	1.74	1.69	1.66	1.34	1.34	1.32	1.55
Grant Line Canal near Tracy Road Bridge	1.13	1.17	1.47	1.59	2.04	1.94	1.73	1.67	1.71	1.32	1.26	1.24	1.52
Middle River near the Undine Road Bridge	1.46	1.36	2.03	2.32	3.19	3.18	2.55	2.32	2.42	1.72	1.47	1.48	2.13

  

Change (NEPA Yuba Accord Alternative-NEPA No Action Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00
Grant Line Canal near Tracy Road Bridge	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
Middle River near the Undine Road Bridge	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00

Note: Values shown in the tables are the average of the daily mean simulated water levels for the month shown for a 16-year period of simulation.

Table F1-48. Monthly Average Minimum Daily South Delta Water Levels

Monthly Average Minimum Daily South Delta Water Levels (ft-msl)													
NEPA No Action													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

  

NEPA Yuba Accord Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

  

Change (NEPA Yuba Accord Alternative-NEPA No Action Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily minimum simulated water levels for the month shown for a 16-year period of simulation.

## NEPA MODIFIED FLOW ALTERNATIVE COMPARED TO THE NEPA NO ACTION ALTERNATIVE

**Table F1-49. YCWA Member Unit Annual Surface Water Allocations**

Year Type	Annual Surface Water Allocation (%)		
	NEPA No Action Alternative	NEPA Modified Flow Alternative	Change (NEPA Modified Flow Alternative - NEPA No Action Alternative)
Wet	99.5%	99.5%	0.0%
Above Normal	93.9%	96.0%	2.1%
Below Normal	99.1%	100.0%	0.9%
Dry	97.7%	99.3%	1.6%
Critical	95.3%	96.7%	1.3%
All Years	97.6%	98.6%	1.0%

Table F1-50. Surface Water Deliveries to YCWA Member Units

Surface Water Deliveries (TAF)													
NEPA No Action Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.3	10.6	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	339
Above Normal	18.4	9.6	4.8	0.4	0.4	2.6	17.6	65.6	62.2	72.8	60.5	20.2	335.1
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.3	64.6	61.2	71.7	59.6	19.9	336.4
Dry	20.2	10.5	5.2	0.4	0.4	2.8	21.6	55.0	51.6	58.7	46.7	14.8	287.9
Critical	20.4	10.7	5.3	0.4	0.4	3.3	20.3	51.8	48.7	56.3	45.1	14.4	277.1
All Years	20.1	10.5	5.2	0.4	0.4	2.8	19.2	60.8	57.5	66.8	54.8	18.0	316.5

NEPA Modified Flow Alternative													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	20.3	10.6	5.3	0.4	0.4	2.8	17.6	65.6	62.2	72.8	60.5	20.2	338.7
Above Normal	18.9	9.9	4.9	0.4	0.4	2.7	17.6	65.6	62.2	72.8	60.5	20.2	336.0
Below Normal	20.5	10.7	5.3	0.4	0.4	2.8	19.6	65.6	62.2	72.8	60.5	20.2	341.0
Dry	20.5	10.7	5.3	0.4	0.4	2.9	21.9	55.0	51.6	58.5	46.4	14.6	288.3
Critical	20.5	10.7	5.3	0.4	0.4	3.3	20.7	52.6	49.4	57.1	45.7	14.5	280.8
All Years	20.3	10.6	5.3	0.4	0.4	2.9	19.5	61.1	57.8	67.1	55.0	18.0	318.2

Change (NEPA Modified Flow Alternative – NEPA No Action Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	0.0	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	0.5	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Below Normal	0.1	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.9	1.1	0.9	0.3	4.7
Dry	0.4	0.2	0.1	0.0	0.0	0.1	0.3	0.0	-0.1	-0.1	-0.3	-0.2	0.4
Critical	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.8	0.7	0.8	0.5	0.1	3.7
All Years	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.2	0.0	1.7

Percent Change (NEPA Modified Flow Alternative – NEPA No Action Alternative)													
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal	2%	2%	2%	2%	2%	3%	0%	0%	0%	0%	0%	0%	0%
Below Normal	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%	1%
Dry	2%	2%	2%	2%	2%	2%	1%	0%	0%	0%	-1%	-1%	0%
Critical	1%	1%	1%	1%	1%	1%	2%	2%	1%	1%	1%	1%	1%
All Years	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	1%

Note: Surface water deliveries to Member Units have been reduced to account for any groundwater substitution pumping.

Table F1-51. CVP South-of-Delta Water Service Contractor and Refuge Deliveries

Year Type	CVP South-of-Delta Water Service Contractor and Refuge Deliveries (TAF)			
	NEPA No Action Alternative	NEPA Modified Flow Alternative	Change (NEPA No Action Alternative-NEPA Modified Flow Alternative)	Percent Change (NEPA Modified Flow Alternative – NEPA No Action Alternative)
Wet	2,051	2,050	0	0%
Above Normal	1,864	1,864	0	0%
Below Normal	1,633	1,630	-2	0%
Dry	1,322	1,311	-12	-1%
Critical	732	710	-22	-3%
All Years	1,569	1,562	-7	0%

Table F1-52. SWP Table A Deliveries

Year Type	SWP Table A Deliveries (TAF)			
	NEPA No Action Alternative	NEPA Modified Flow Alternative	Change (NEPA No Action Alternative-NEPA Modified Flow Alternative)	Percent Change (NEPA Modified Flow Alternative – NEPA No Action Alternative)
Wet	3,667	3,667	0	0%
Above Normal	3,695	3,695	0	0%
Below Normal	3,472	3,470	-2	0%
Dry	2,715	2,705	-9	0%
Critical	1,739	1,722	-18	-1%
All Years	3,108	3,102	-5	0%

CVP and SWP deliveries do not include water made available from water transfers of water provided under the Yuba Accord Water Purchase Agreement.

Table F1-53. X2 Location

Number of Years of X2 Location < 81 KM (December)				
Year Type	NEPA No Action Alternative	NEPA Modified Flow Alternative	Change (NEPA Modified Flow Alternative - NEPA No Action Alternative)	Percent Change (NEPA Modified Flow Alternative - NEPA No Action Alternative)
Wet	2	2	0	0%
Above Normal	6	6	0	0%
Below Normal	9	10	1	11%
Dry	13	13	0	0%
Critical	12	12	0	0%
All Year	42	43	1	2%

Number of Years of X2 Location < 81 KM (January)				
Year Type	NEPA No Action Alternative	NEPA Modified Flow Alternative	Change (NEPA Modified Flow Alternative - NEPA No Action Alternative)	Percent Change (NEPA Modified Flow Alternative - NEPA No Action Alternative)
Wet	1	1	0	0%
Above Normal	1	1	0	0%
Below Normal	3	5	2	67%
Dry	6	7	1	17%
Critical	9	9	0	0%
All Year	20	23	3	15%

Note: The tables show the number of times that for a particular month that X2 is located west of Collinsville for a 73-year period of simulation. For the months of December and January, filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods when X2 is west of Collinsville.

Table F1-54. Years of Surplus Delta Outflow

Years of Surplus Delta Outflow												
NEPA No Action Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	5	7	19	21	20	17	18	20	9	1	1	8
Above Normal	0	2	5	10	10	10	9	8	2	0	0	0
Below Normal	2	0	8	11	8	5	12	13	0	1	0	1
Dry	1	2	10	14	5	3	9	12	0	3	5	2
Critical	1	0	4	6	1	0	4	8	0	1	2	1
All Years	9	11	46	62	44	35	52	61	11	6	8	12

  

NEPA Modified Flow Alternative												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	5	7	19	20	20	17	18	20	9	1	1	8
Above Normal	0	2	5	10	10	10	9	8	2	0	0	0
Below Normal	2	1	7	11	7	5	12	13	0	1	0	1
Dry	1	2	9	13	5	3	8	11	0	3	4	2
Critical	1	0	4	5	1	0	1	4	0	1	2	1
All Years	9	12	44	59	43	35	48	56	11	6	7	12

  

Change (NEPA Modified Flow Alternative – NEPA No Action Alternative)												
Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	0	0	0	-1	0	0	0	0	0	0	0	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	1	-1	0	-1	0	0	0	0	0	0	0
Dry	0	0	-1	-1	0	0	-1	-1	0	0	-1	0
Critical	0	0	0	-1	0	0	-3	-4	0	0	0	0
All Years	0	1	-2	-3	-1	0	-4	-5	0	0	-1	0

Note: The tables show the number of times that for a particular month the Delta is in excess water conditions for a 73-year period of simulation. Filling of Los Vaqueros Reservoir under Contra Costa Water District's Los Vaqueros water right is restricted to periods of excess water conditions.

Table F1-55. Monthly Average Mean Daily South Delta Water Levels

Monthly Average Mean Daily South Delta Water Levels (ft-msl)													
NEPA No Action Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	1.21	1.29	1.54	1.61	2.01	1.87	1.74	1.69	1.66	1.35	1.35	1.32	1.55
Grant Line Canal near Tracy Road Bridge	1.14	1.17	1.47	1.59	2.04	1.94	1.73	1.67	1.70	1.33	1.27	1.24	1.52
Middle River near the Undine Road Bridge	1.46	1.36	2.04	2.32	3.20	3.18	2.55	2.31	2.42	1.73	1.48	1.49	2.13

  

NEPA Modified Flow Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	1.21	1.29	1.54	1.60	2.01	1.87	1.74	1.69	1.67	1.33	1.34	1.32	1.55
Grant Line Canal near Tracy Road Bridge	1.14	1.17	1.47	1.59	2.04	1.94	1.73	1.67	1.71	1.31	1.26	1.24	1.52
Middle River near the Undine Road Bridge	1.46	1.36	2.04	2.32	3.20	3.18	2.55	2.31	2.43	1.71	1.47	1.49	2.13

  

Change (NEPA Modified Flow Alternative-NEPA No Action Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.02	-0.02	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.02	-0.02	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00

Note: Values shown in the tables are the average of the daily mean simulated water levels for the month shown for a 16-year period of simulation.

**Table F1-56. Monthly Average Minimum Daily South Delta Water Levels**

Monthly Average Minimum Daily South Delta Water Levels (ft-msl)													
NEPA No Action Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

  

NEPA Modified Flow Alternative													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

  

Change (NEPA Modified Flow Alternative-NEPA No Action Alternative)													
Location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
Old River Near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grant Line Canal near Tracy Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle River near the Undine Road Bridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Values shown in the tables are the average of the daily minimum simulated water levels for the month shown for a 16-year period of simulation.