Table CI-14. Alternative 4A-H4 ELT Percent Use of Assimilative Capacity Available under Existing Conditions and No Action Alternative ELT Relative to the 250 mg/L Secondary MCL. Calculation of Chloride Concentrations was Based on a Mass Balance Approach.

Chloride			OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		Annual Avg. Change	
Alt 4 ELT Scn H4	Location	Period [a]	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT	Ex. Cond.	No Act. ELT
Delta Interior	Moke. R. (SF) at Staten Island	ALL	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2
		DROUGHT	-1	-1	-1	-1	0	-1	-1	-1	0	-1	-1	-2	-1	-1	-1	-1	-3	-3	-4	-4	-3	-2	-1	-1	-2	-
	SJR at Buckley Cove	ALL	1	0	1	0	3	-1	1	-1	1	-1	1	-1	2	-1	2	-1	4	-1	6	0	6	-1	3	0	3	-1
		DROUGHT	2	0	2	0	5	0	4	-1	2	-1	2	-1	4	-2	4	-2	8	-2	8	-1	11	-2	4	0	5	-
	Franks Tract	ALL	-	-	-	-	-	-	45	58	3	4	-4	-3	-4	-3	-3	-2	-3	-3	-	54	-	92	-	-	65	39
		DROUGHT	-	-	-	-	-	-	44	-	4	11	-1	1	-2	-1	-3	-1	-5	0	-	-	-	-	-	-	-	-
	Old R. at Rock Slough	ALL	-	24	-	-	-	-	38	53	1	2	-3	-3	-2	-1	-1	-1	-5	-5	54	28	77	38	-	49	38	23
		DROUGHT	-	-	-	-	-	-	13	86	4	9	0	1	-1	-1	-3	-2	-5	-2	-	-	-	-	-	-	48	-
Western Delta	Sac. R. at Emmaton	ALL	-	-	-	-	-	-	38	55	8	13	-2	2	-3	0	-10	-8	-83	-42	-	-	-	-	-	-	-	-
		DROUGHT	-	-	-	-	-	-	-	-	6	38	-5	2	-6	-2	-82	-67	-	-	-	-	-	-	-	-	-	-
	SJR at Antioch	ALL	-	-	-	-	-	-	-	-	-	-	-6	16	-8	11	-	-	-	-	-	-	-	-	-	-	-	-
		DROUGHT	-	-	-	-	-	-	-	-	-	-	-21	64	-32	20	-	-	-	-	-	-	-	-	-	-	-	-
	Sac. R. at Mallard Island	ALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		DROUGHT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Major Diversions (Pumping Stations)	NBA at Barker Slough PP	ALL	3	2	2	2	1	1	2	2	2	3	2	2	2	2	3	3	4	3	5	4	4	3	3	3	3	3
		DROUGHT	4	4	2	3	1	1	1	1	1	2	2	2	2	2	3	3	4	4	5	4	5	5	4	4	3	-
	Contra Costa PP #1	ALL	-	-21	-	-	-	-	83	52	0	12	-4	-3	-4	-4	-1	0	-5	-5	24	18	-	50	90	84	29	18
		DROUGHT	-	-	-	-	-	-	-	-	-4	5	1	3	-1	-1	-2	-1	-5	-3	-	74	-	-	-	-88	45	-
	Banks PP	ALL	62	35	-	-	-	95	73	79	22	26	21	21	16	17	18	18	12	12	36	25	71	41	84	67	46	37
		DROUGHT	53	33	-	-	-	-	77	-	7	15	19	19	16	16	12	12	6	7	-	76	-	-	26	4	51	-
	Jones PP	ALL	73	54	-	-	62	41	32	34	22	23	26	26	25	25	23	23	13	13	30	19	44	25	51	38	38	31
		DROUGHT	-	-	-	-	61	49	26	35	7	6	18	17	17	17	18	18	1	2	74	40	-	35	-6	-13	35	-

[a] ALL: Water years 1975–1991 represent the 16-year period modeled using DSM2. DROUGHT: Represents a 5 consecutive year (water years 1987–1991) drought period consisting of dry and critical water year types (as defined by the Sacramento Valley 40-30-30 water year hydrologic classification index).

NOTES:

-- Positive values indicate that implementation of the Alternative increases assimilative capacity available under Existing Conditions or the No Action Alternative ELT (i.e., water quality improves under the Alternative, relative to Existing Conditions or the No Action Alternative ELT). Negative values indicate that implementation of the Alternative decreases assimilative capacity available under Existing Conditions or the No Action Alternative ELT (i.e., water quality degradation occurs under the Alternative, relative to Existing Conditions or the No Action Alternative ELT). Values of -100% represent instances where all available assimilative capacity is used under the Alternative, and therefore concentrations are at or above the criteria.

-- Regulatory objective is the state secondary maximum contaminant level (MCL) incorporated by reference in the Region 2 and 5 Basin Plans.