

**Table CI-13. Alternative 4A-H3 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 EC-Chloride Relationship.**

Chloride	Location	Period <sup>a</sup>	OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		Annual Avg. Change		
			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	
			Alt 4 ELT Scn H3	Delta Interior	Moke R. (SF) at Staten Island	ALL	-1	-1	-1	-1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	-1	0	0	0
DROUGHT	-1	-1			0	0	0	0	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	-1	-1
SJR at Buckley Cove	ALL	5			0	9	1	19	-3	23	-4	12	-5	10	-4	12	4	5	-1	4	-2	7	-3	8	-3	8	0	9	-2
DROUGHT	11	0			17	1	40	-2	85	-9	42	-20	35	-15	38	12	12	-2	19	-5	9	-8	12	-11	14	0	21	-4	
Franks Tract	ALL	83		39	-	-	-	87	32	28	4	2	-1	-2	-2	-2	-1	-2	-1	-1	28	11	27	12	41	19	24	15	
DROUGHT	-	-		-	-	-	-	35	55	3	10	-3	-1	-3	-3	-3	-2	-6	-2	-	69	-	20	-100	-100	25	25		
Old R. at Rock Slough	ALL	24		8	-	91	-	56	29	27	3	1	-1	-2	0	-1	2	0	-2	-2	16	6	16	6	11	3	16	10	
DROUGHT	2	19		-	-	-	-	22	43	5	7	-2	-2	1	-1	-2	-2	-6	-3	68	32	69	14	-31	-26	15	15		
Western Delta	Sac. R. at Emmaton	ALL	-	-	-	-	-	25	29	10	12	-2	2	-3	-1	-10	-9	-24	-6	-100	-100	-	-	-	-	-	-		
		DROUGHT	-	-	-	-	-	-	54	-	8	36	-6	3	-7	-3	-45	-30	-100	-	-	-	-	-	-	-	-	-	
	SJR at Antioch	ALL	-	-	-	-	-	-	-	-	-	-	-8	17	-13	1	-	-	-	-	-	-	-	-	-	-	-	-	
		DROUGHT	-	-	-	-	-	-	-	-	-	-	-35	92	-33	-12	-	-	-	-	-	-	-	-	-	-	-	-	
Sac. R. at Mallard Island	ALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	DROUGHT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Major Diversions (Pump Stations)	NBA at Barker Slough PP	ALL	1	1	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		DROUGHT	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Contra Costa PP #1	ALL	21	-4	36	17	-	73	84	44	-1	11	7	-2	2	-3	7	6	-1	-2	7	4	26	6	14	11	17	9	
		DROUGHT	0	-25	21	72	-	-	78	-	-9	-3	1	2	2	0	2	4	-5	-3	27	18	-	43	5	-8	17	14	
	Banks PP	ALL	22	13	48	35	63	42	58	49	23	20	21	18	17	14	6	3	4	3	14	9	21	11	24	20	24	18	
		DROUGHT	6	3	48	69	94	70	49	66	15	16	55	42	44	33	16	11	-2	-3	42	32	62	22	17	10	32	26	
	Jones PP	ALL	20	15	46	36	40	21	63	45	44	32	47	40	19	16	18	15	14	17	8	5	13	6	20	17	27	21	
		DROUGHT	20	24	43	64	46	26	-	-	-	62	-	-	26	21	37	33	10	10	24	15	46	20	4	1	42	34	

<sup>a</sup> 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.