

1 was defined as the time at which 50% of particles from a given release location exited the Plan Area
 2 (either by movement downstream past Martinez or through entrainment at the south Delta export
 3 facilities, north Delta diversion, North Bay Aqueduct, or agricultural diversions in the Delta). The
 4 data were reduced into mean residence time by subregion and season. The data do not represent the
 5 length of time that water in the various subregions spends in the Delta in total, but do provide a
 6 useful parameter with which to compare generally how long algae would have to grow in the
 7 various subregions of the Delta. Table 8-60a shows the residence time results that are used in the
 8 *Microcystis* assessments. Results for summer and fall are most relevant for the *Microcystis*
 9 assessment, but all seasons are presented for completeness.

10 **Table 8-60a. Average Residence Time for Subregions of the Plan Area by Season and Alternative**

Subregion	Season	Average Residence Time (days)											
		Ex Cond.	No Act.	Alt 1	Alt 2	Alt 3	Alt 4		Alt 5	Alt 6	Alt 7	Alt 8	Alt 9
							Scn H3						
North Delta	Summer	33	38	43	38	41	39	41	43	40	46	40	
	Fall	49	50	61	56	60	57	55	55	57	58	55	
	Winter	36	37	40	40	40	39	41	37	37	37	40	
	Spring	30	33	37	35	36	35	36	34	34	29	35	
	Overall	35	38	43	41	43	41	41	40	40	40	41	
Cache Slough	Summer	18	21	46	40	45	39	39	49	46	59	46	
	Fall	46	46	44	39	43	40	39	39	45	56	39	
	Winter	29	31	33	32	33	32	33	28	29	27	31	
	Spring	22	24	33	33	33	33	33	31	30	33	31	
	Overall	27	29	38	36	38	35	36	36	36	42	36	
West Delta	Summer	22	24	32	28	30	28	29	40	27	33	28	
	Fall	25	27	34	30	33	30	30	30	31	32	27	
	Winter	18	20	21	21	21	21	21	19	19	19	19	
	Spring	18	20	24	22	24	22	23	20	20	17	20	
	Overall	20	22	27	25	26	25	25	27	23	24	23	
East Delta	Summer	22	26	40	34	35	34	31	76	32	48	21	
	Fall	15	35	33	47	32	48	48	58	55	55	21	
	Winter	28	32	40	42	40	42	40	50	51	50	26	
	Spring	42	47	57	54	59	54	56	61	57	54	35	
	Overall	29	36	45	45	44	45	44	61	49	52	27	
South Delta	Summer	8	10	16	17	14	16	11	70	23	33	35	
	Fall	5	11	8	42	8	43	34	79	53	52	33	
	Winter	10	11	19	19	14	16	15	59	57	56	28	
	Spring	25	26	24	29	20	28	27	65	60	58	31	
	Overall	13	16	18	26	15	25	21	67	49	50	32	
Suisun Marsh	Summer	51	58	38	35	37	35	36	37	36	39	42	
	Fall	17	19	39	34	38	34	33	32	34	34	38	
	Winter	9	9	28	28	29	27	29	24	24	24	32	
	Spring	45	51	32	31	31	30	30	29	28	25	33	
	Overall	33	37	33	32	33	31	32	30	30	30	36	

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