

**S1 Table. Median, minimum, and maximum values for the number of days each year when mean daily water temperature is  $\geq CLT_{max}$ , during each decade from 2010-2099, for the juvenile life stage of Delta Smelt (June-December) for the least-warming (PCM-B1), most-warming (GFDL-A2) and two intermediate (PCM-A2 and GFDL-B1) climate change scenarios.** The significance value for Trend is from the Mann-Kendal test (NS,  $P \geq 0.05$ ; \*,  $P < 0.05$ ; \*\*,  $P < 0.01$ ; \*\*\*,  $P < 0.001$ ; NA, no non-zero values; NT, fewer than 3 values so trend not calculated) and the number is the slope of a regression of decadal medians.

	2010-2019			2020-2029			2030-2039			2040-2049			2050-2059			2060-2069			2070-2079			2080-2089			2090-2099			Trend
	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	Median	Mini-mum	Maxi-mum	
<b>Scenario GFDL-A2</b>																												
<b>San Joaquin River</b>																												
Mossdale	28	11	47	41.5	19	79	41.5	26	71	45.5	25	69	59	39	86	71	56	111	82.5	62	110	102	72	128	117	94	130	10.75***
Burns Cut	59.5	24	89	61.5	58	100	71	46	89	67.5	51	111	94.5	62	120	99.5	77	120	102.5	94	135	125	94	133	128	105	140	9.33***
Prisoners Point	0	0	7	0	0	7	4.5	0	12	7.5	0	14	4	0	20	13	7	44	22.5	6	60	31	11	80	56.5	36	73	6***
Jersey Point	0	0	5	0	0	16	0	0	12	12	0	19	11	0	37	21	0	55	29	9	72	54.5	25	83	91.5	73	109	9.94***
Antioch	0	0	11	0	0	21	7.5	0	14	17.5	0	22	11.5	0	45	24	15	54	33.5	12	80	56	25	101	89	68	111	9.71***
<b>Sacramento River</b>																												
Hood	0	0	0	0	0	0	0	0	5	0	0	10	0	0	13	6.5	0	42	19	0	62	24.5	3	84	52.5	45	74	5.47**
Rio Vista	0	0	3	0	0	3	0	0	7	4	0	12	2	0	18	14.5	6	50	26	4	69	34	12	93	68	53	95	7.28***
Decker Island	0	0	0	0	0	0	0	0	5	0	0	9	2	0	13	4	0	43	13	0	68	34	2	74	73	54	101	7.07***
<b>North Delta</b>																												
Upper Cache Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	0	16	5.5	0	38	26.5	2	35	2.11**
Miners Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	2	0	20	6.5	0	41	31	14	37	2.46**
Liberty Island	0.5	0	10	0	0	12	5	0	15	12.5	0	18	16	1	32	19	1	51	27	12	73	42.5	16	79	72.5	55	100	9.51***
Deepwater Ship Channel	0	0	3	0	0	2	0	0	5	1	0	10	0	0	14	7	0	40	15	0	53	24	4	57	50.5	40	73	5.17**
Lower Cache Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9	3	0	26	12	0	43	34	18	43	2.97**
<b>Confluence</b>																												
Mallard Island	0	0	0	0	0	0	0	0	1	0	0	2	0	0	8	0	0	22	9.5	0	44	14.5	0	56	39	25	56	3.64***
<b>Suisun Bay</b>																												
Martinez	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5	0	16	6.5	0	41	22.5	1	33	1.91**
<b>Scenario GFDL-B1</b>																												
<b>San Joaquin River</b>																												
Mossdale	31	13	65	28	5	41	43.5	4	80	42	30	76	50	18	77	51	22	75	61	43	111	48.5	26	81	71	51	94	4.43**
Burns Cut	55	37	79	59	42	74	68	30	88	69.5	56	101	72.5	40	92	82.5	57	103	97.5	64	115	81.5	69	107	92	58	109	4.79**
Prisoners Point	0	0	9	0	0	6	1.5	0	23	1	0	12	3	0	15	4.5	0	31	2.5	0	44	2	0	16	10	0	36	0.86*
Jersey Point	0	0	12	0	0	4	0	0	37	0	0	18	0	0	16	7.5	0	46	0	0	14	2	0	77	15	0	57	NS
Antioch	0	0	11	0	0	17	3	0	40	1.5	0	32	5.5	0	19	6.5	0	50	5.5	0	80	7	0	21	19	0	56	1.79**
<b>Sacramento River</b>																												
Hood	0	0	0	0	0	0	0	0	14	0	0	10	0	0	11	0	0	30	0	0	31	0	0	10	0	0	27	NA
Rio Vista	0	0	3	0	0	4	0	0	24	0	0	13	0	0	15	1	0	33	0	0	48	0	0	12	12	0	37	NS
Decker Island	0	0	0	0	0	0	0	0	20	0	0	10	0	0	6	0	0	29	0	0	0	0	0	51	0	0	36	NA
<b>North Delta</b>																												
Upper Cache Slough	0	0	0	0	0	0	0	0	3	0	0	3	0	0	7	0	0	0	0	0	0	0	0	5	0	0	7	NA
Miners Slough	0	0	0	0	0	0	0	0	3	0	0	3	0	0	5	0	0	0	0	0	0	0	0	4	0	0	9	NA
Liberty Island	0	0	14	0	0	10	4.5	0	27	3	0	23	3	0	17	11	0	34	3.5	0	17	7	0	67	16	0	45	2.04**
Deepwater Ship Channel	0	0	7	0	0	4	0	0	17	0	0	12	0	0	13	0	0	25	0	0	0	0	0	19	5	0	24	NT
Lower Cache Slough	0	0	0	0	0	0	0	0	5	0	0	5	0	0	8	0	0	2	0	0	0	0	0	6	0	0	13	NA
<b>Confluence</b>																												
Mallard Island	0	0	0	0	0	0	0	0	9	0	0	8	0	0	9	0	0	9	0	0	10	0	0	6	0	0	17	NA
<b>Suisun Bay</b>																												
Martinez	0	0	0	0	0	0	0	0	2	0	0	3	0	0	5	0	0	0	0	0	1	0	0	0	0	0	7	NA
<b>Scenario PCM-A2</b>																												
<b>San Joaquin River</b>																												

