

S4 Table. Median, minimum, and maximum values for the julian date of the beginning of the spawning window (15-20°C) each year, during each decade from 2010-2099, for the adult life stage of Delta Smelt 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≥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	
Scenario GFDL-A2																												
San Joaquin River																												
Mossdale	78.5	60	97	75.5	55	102	81.0	69	95	75.5	52	101	72.5	59	94	75.0	42	87	68.5	56	77	49.0	34	78	57.5	51	76	-3.56**
Burns Cut	84.0	77	98	82.0	73	104	88.0	81	97	81.0	73	103	77.0	68	95	78.5	52	88	70.5	64	78	68.5	54	88	65.0	59	87	-2.57**
Prisoners Point	82.5	75	99	84.5	70	105	86.5	81	96	80.0	73	102	75.5	67	95	77.5	51	88	70.0	62	78	64.0	48	79	64.5	57	87	-2.82**
Jersey Point	93.0	79	112	96.5	78	109	98.5	85	119	93.0	81	107	83.5	69	105	83.0	51	93	72.5	65	104	75.5	55	91	70.5	61	98	-3.58**
Antioch	89.5	77	105	86.0	72	108	91.0	82	103	84.5	79	105	77.0	67	96	79.0	50	90	70.0	63	85	64.0	48	87	64.5	52	96	-3.56**
Sacramento River																												
Hood	98.0	82	113	101.0	92	110	103.0	88	120	98.5	81	112	93.0	77	108	93.5	75	100	81.0	72	105	82.5	69	92	79.5	64	99	-2.98**
Rio Vista	97.0	81	113	100.5	92	110	103.0	88	120	97.5	81	112	93.0	76	108	91.0	68	100	78.5	72	105	82.5	57	92	78.5	63	99	-3.06**
Decker Island	99.0	82	114	101.5	92	111	104.5	89	124	99.0	82	113	93.5	77	109	90.0	54	102	79.5	69	105	79.0	57	92	79.0	63	99	-3.44**
North Delta																												
Upper Cache Slough	94.5	76	112	96.5	67	109	95.0	84	119	93.0	79	105	79.0	66	107	83.5	42	99	70.5	62	87	56.5	46	88	67.5	52	98	-4.78**
Miners Slough	95.5	78	112	98.0	70	109	95.0	85	119	93.0	80	105	86.5	67	107	83.5	51	94	72.5	64	104	69.0	47	89	69.5	58	98	-4.09***
Liberty Island	96.5	79	113	100.5	78	109	99.0	86	120	96.5	80	112	87.5	68	108	84.5	51	99	74.5	65	105	77.5	48	91	71.0	61	99	-4.92**
Deepwater Ship Channel	90.5	76	112	95.5	67	108	92.5	84	119	91.5	79	104	79.5	66	106	79.5	43	93	70.0	62	86	54.5	39	88	64.5	53	97	-4.73**
Lower Cache Slough	92.0	76	112	96.5	67	109	94.5	84	119	91.5	79	105	79.5	67	107	82.5	43	93	70.5	62	87	56.0	39	88	65.5	55	98	-4.74**
Confluence																												
Mallard Island	95.5	79	113	98.5	78	110	99.5	86	120	96.0	81	112	87.0	75	107	84.0	52	98	76.5	67	104	78.0	56	91	72.5	62	99	-3.53**
Suisun Bay																												
Martinez	97.0	80	113	101.0	79	110	103.5	88	124	98.5	81	113	93.0	76	109	86.0	53	100	78.5	68	105	78.5	57	92	75.5	62	99	-3.60**
Scenario GFDL-B1																												
San Joaquin River																												
Mossdale	91.5	73	98	85.5	77	107	71.0	41	96	74.0	57	93	78.0	67	97	72.0	50	88	69.5	41	99	74.0	54	94	70.0	45	81	-2.09*
Burns Cut	92.5	76	100	93.0	84	108	78.0	65	96	79.5	70	94	85.0	71	98	76.5	70	88	86.5	62	101	78.5	62	95	78.5	61	96	NS
Prisoners Point	93.5	74	99	92.5	80	108	77.0	65	96	79.0	68	95	85.0	70	98	76.0	69	90	86.0	60	100	78.0	56	95	78.0	60	95	NS
Jersey Point	103.0	84	108	101.0	90	113	87.5	66	99	90.5	71	99	96.0	73	113	85.0	77	94	89.0	66	107	82.5	62	104	89.5	66	106	-1.87*
Antioch	96.0	76	106	94.5	87	109	78.5	47	98	82.0	70	98	88.0	71	101	77.0	70	92	87.5	60	105	80.5	60	96	80.0	60	98	NS
Sacramento River																												
Hood	103.5	90	111	103.5	91	117	95.0	68	103	96.5	90	113	99.5	87	114	95.5	79	99	95.0	67	108	94.0	66	107	93.0	78	112	-1.19**
Rio Vista	103.5	90	109	103.5	91	117	94.5	67	101	94.5	90	113	99.5	86	114	95.0	79	98	92.5	67	108	94.0	66	106	93.0	76	112	-1.23*
Decker Island	105.5	91	123	105.0	92	118	95.0	67	105	97.0	91	113	100.5	87	115	96.5	79	99	98.0	67	109	95.0	66	109	94.0	76	113	-1.18*
North Delta																												
Upper Cache Slough	101.5	74	112	97.0	79	114	88.0	41	100	92.0	68	99	95.5	68	114	77.0	50	95	87.0	59	106	85.5	55	105	81.0	45	99	-2.23**
Miners Slough	102.5	84	108	100.5	89	117	90.5	66	100	92.5	70	99	96.5	71	114	78.5	70	95	88.0	60	107	86.0	59	105	88.0	66	107	-2.01*
Liberty Island	102.5	84	112	103.0	90	117	94.5	66	101	92.5	71	100	99.0	71	114	83.0	77	96	89.0	63	107	87.0	62	106	92.0	75	112	-1.84*
Deepwater Ship Channel	98.5	74	107	93.5	80	112	81.5	42	98	90.5	67	98	92.5	68	113	76.5	51	93	87.0	59	105	80.0	56	96	80.5	65	98	-1.93*
Lower Cache Slough	99.0	74	108	100.5	88	117	82.0	42	99	91.5	68	99	94.0	70	114	77.0	51	94	87.0	59	106	80.5	56	105	80.5	66	99	-2.31*
Confluence																												
Mallard Island	103.0	85	109	102.0	90	117	92.0	66	100	92.5	72	100	98.5	75	114	86.0	78	96	89.5	66	108	93.0	63	105	90.5	75	107	NS
Suisun Bay																												
Martinez	104.5	90	123	103.5	91	117	94.5	66	103	96.0	83	113	99.5	84	114	90.0	78	98	92.5	66	108	94.0	63	107	93.0	75	113	-1.41*
Scenario PCM-A2																												
San Joaquin River																												

