

Attachment 5.E.1. Fall-/Late Fall-Run Chinook Salmon Water Temperature Threshold Analysis Results

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5.E.1 Water Temperature Threshold Analysis Results

5.E.1.1 Late Fall- and Fall-run Chinook Salmon

5.E.1.1.1 Sacramento River

Table 5.E.1-1. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Keswick, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	9.7	13.6	3.9	17	21	4	0.53	0.47	-0.06
	D	19.7	15.8	-3.8	58	33	-25	0.49	0.35	-0.14
	C	86.7	83.3	-3.3	2,350	2,273	-77	7.53	7.58	0.04
	All	18.8	17.9	-0.9	2,425	2,327	-98	5.25	5.29	0.04
Oct	W	10.7	10.2	-0.5	45	29	-16	0.52	0.35	-0.17
	AN	5.4	3.8	-1.6	5	2	-3	0.25	0.14	-0.11
	BN	27.9	24.0	-3.8	42	20	-22	0.44	0.24	-0.20
	D	40.8	41.5	0.6	139	112	-27	0.55	0.44	-0.11
	C	99.5	100.0	0.5	2,175	2,019	-156	5.88	5.43	-0.45
	All	32.8	32.1	-0.7	2,406	2,182	-224	2.92	2.70	-0.22
Nov	W	67.2	61.3	-5.9	404	360	-44	0.77	0.75	-0.02
	AN	50.8	37.5	-13.3	128	92	-36	0.70	0.68	-0.02
	BN	40.6	37.0	-3.6	138	101	-37	1.03	0.83	-0.20
	D	45.7	48.3	2.7	199	212	13	0.73	0.73	0
	C	86.1	86.1	0.0	625	617	-8	2.02	1.99	-0.03
	All	58.6	54.9	-3.7	1,494	1,382	-112	1.05	1.04	-0.01
Dec	W	8.3	7.8	-0.5	50	39	-11	0.75	0.62	-0.13
	AN	6.2	3.0	-3.2	15	4	-11	0.65	0.36	-0.29
	BN	11.4	7.6	-3.8	23	17	-6	0.59	0.65	0.06
	D	2.6	2.9	0.3	7	9	2	0.44	0.50	0.06
	C	14.0	14.5	0.5	31	32	1	0.60	0.59	0
	All	7.8	6.8	-1.0	126	101	-25	0.64	0.59	-0.05
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	5.0	5.0	0.0	16	16	0	0.80	0.80	0
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.8	0.8	0.0	16	16	0	0.80	0.80	0

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-2. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Clear Creek, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	10.0	10.3	0.3	55	51	-4	0.71	0.64	-0.07
	AN	13.1	15.1	2.1	24	27	3	0.47	0.46	-0.01
	BN	79.7	86.1	6.4	397	497	100	1.51	1.75	0.24
	D	94.5	99.0	4.5	1,123	1,211	88	1.98	2.04	0.06
	C	100.0	100.0	0.0	3,239	3,189	-50	9.00	8.86	-0.14
	All	53.6	56.0	2.4	4,838	4,975	137	3.67	3.61	-0.06
Oct	W	91.9	91.8	-0.1	813	873	60	1.10	1.18	0.08
	AN	85.5	81.7	-3.8	325	302	-23	1.02	0.99	-0.03
	BN	90.3	93.3	2.9	450	395	-55	1.46	1.24	-0.22
	D	89.8	97.1	7.3	1,044	1,022	-22	1.87	1.70	-0.18
	C	100.0	100.0	0.0	2,843	2,700	-143	7.64	7.26	-0.38
	All	91.4	93.0	1.6	5,475	5,292	-183	2.38	2.27	-0.12
Nov	W	89.5	84.7	-4.7	1,035	953	-82	1.48	1.44	-0.04
	AN	73.6	64.7	-8.9	348	272	-76	1.31	1.17	-0.15
	BN	63.9	63.9	0.0	323	281	-42	1.53	1.33	-0.20
	D	67.5	72.8	5.3	560	583	23	1.38	1.33	-0.05
	C	93.6	93.6	0.0	944	934	-10	2.80	2.77	-0.03
	All	78.8	77.3	-1.5	3,210	3,023	-187	1.68	1.61	-0.07
Dec	W	13.6	12.2	-1.5	96	80	-16	0.87	0.82	-0.06
	AN	8.1	5.6	-2.4	27	13	-14	0.90	0.62	-0.28
	BN	15.2	11.1	-4.1	43	30	-13	0.83	0.79	-0.04
	D	5.2	4.8	-0.3	18	20	2	0.56	0.67	0.10
	C	17.5	18.3	0.8	51	53	2	0.78	0.78	-0.01
	All	11.5	10.2	-1.4	235	196	-39	0.81	0.77	-0.04
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	5.0	5.0	0.0	20	20	0	1.00	1.00	0
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.8	0.8	0.0	20	20	0	1.00	1.00	0

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-3. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Balls Ferry, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	24.4	26.5	2.2	188	184	-4	0.99	0.89	-0.10
	AN	46.2	62.8	16.7	159	247	88	0.88	1.01	0.12
	BN	98.5	99.1	0.6	881	1,030	149	2.71	3.15	0.44
	D	100.0	99.7	-0.3	2,129	2,258	129	3.55	3.78	0.23
	C	100.0	100.0	0.0	3,573	3,550	-23	9.93	9.86	-0.06
	All	67.3	70.6	3.3	6,930	7,269	339	4.19	4.18	0
Oct	W	86.7	89.5	2.7	837	926	89	1.20	1.28	0.09
	AN	84.7	83.6	-1.1	367	349	-18	1.17	1.12	-0.04
	BN	92.1	95.6	3.5	513	438	-75	1.63	1.34	-0.29
	D	92.6	97.6	5.0	1,171	1,135	-36	2.04	1.88	-0.16
	C	100.0	100.0	0.0	2,759	2,638	-121	7.42	7.09	-0.33
	All	90.6	93.0	2.4	5,647	5,486	-161	2.48	2.35	-0.13
Nov	W	75.1	66.7	-8.5	633	550	-83	1.08	1.06	-0.02
	AN	54.7	40.8	-13.9	186	126	-60	0.94	0.86	-0.09
	BN	48.5	47.6	-0.9	220	182	-38	1.38	1.16	-0.22
	D	47.0	49.3	2.3	273	298	25	0.97	1.01	0.04
	C	76.7	76.9	0.3	717	717	0	2.60	2.59	-0.01
	All	61.8	57.5	-4.3	2,029	1,873	-156	1.35	1.34	-0.01
Dec	W	4.8	4.3	-0.5	24	15	-9	0.62	0.43	-0.19
	AN	3.2	1.1	-2.2	7	1	-6	0.58	0.25	-0.33
	BN	4.1	3.8	-0.3	8	6	-2	0.57	0.46	-0.11
	D	0.6	0.6	0.0	1	2	1	0.25	0.50	0.25
	C	2.2	2.4	0.3	2	2	0	0.25	0.22	-0.03
	All	3.1	2.6	-0.5	42	26	-16	0.55	0.40	-0.15
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-4. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Bend Bridge, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	55.8	57.1	1.3	619	639	20	1.42	1.44	0.01
	AN	88.2	96.4	8.2	596	799	203	1.73	2.13	0.39
	BN	100.0	100.0	0.0	1,539	1,730	191	4.66	5.24	0.58
	D	100.0	100.0	0.0	3,392	3,560	168	5.65	5.93	0.28
	C	100.0	100.0	0.0	3,874	3,870	-4	10.76	10.75	-0.01
	All	84.1	85.8	1.7	10,020	10,598	578	4.84	5.02	0.18
Oct	W	89.1	90.7	1.6	1,141	1,268	127	1.59	1.73	0.15
	AN	89.0	86.6	-2.4	544	533	-11	1.64	1.66	0.01
	BN	93.5	96.8	3.2	664	576	-88	2.08	1.75	-0.34
	D	94.4	96.0	1.6	1,476	1,428	-48	2.52	2.40	-0.12
	C	100.0	100.0	0.0	2,674	2,574	-100	7.19	6.92	-0.27
	All	92.6	93.6	1.0	6,499	6,379	-120	2.80	2.71	-0.08
Nov	W	49.5	42.4	-7.1	384	319	-65	0.99	0.96	-0.03
	AN	30.3	18.1	-12.2	85	45	-40	0.78	0.69	-0.09
	BN	38.2	37.0	-1.2	163	128	-35	1.29	1.05	-0.24
	D	25.2	28.3	3.2	122	138	16	0.81	0.81	0
	C	56.1	56.9	0.8	464	478	14	2.30	2.33	0.03
	All	40.1	36.7	-3.3	1,218	1,108	-110	1.25	1.24	-0.01
Dec	W	0.5	0.2	-0.2	1	0	-1	0.25	0	-0.25
	AN	0.3	0.0	-0.3	0	0	0	0	NA	NA
	BN	0.3	0.6	0.3	0	0	0	0	0	0
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.2	0.2	-0.1	1	0	-1	0.17	0	-0.17
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-5. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Red Bluff, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	93.3	95.3	1.9	1,649	1,700	51	2.27	2.29	0.02
	AN	100.0	100.0	0.0	1,300	1,541	241	3.33	3.95	0.62
	BN	100.0	100.0	0.0	2,256	2,470	214	6.84	7.48	0.65
	D	100.0	100.0	0.0	4,755	4,929	174	7.93	8.22	0.29
	C	100.0	100.0	0.0	4,513	4,526	13	12.54	12.57	0.04
	All	97.9	98.5	0.6	14,473	15,166	693	6.01	6.26	0.25
Oct	W	98.9	99.1	0.2	2,178	2,335	157	2.73	2.92	0.19
	AN	98.9	98.4	-0.5	1,047	1,037	-10	2.85	2.83	-0.01
	BN	99.7	100.0	0.3	1,152	1,057	-95	3.39	3.10	-0.29
	D	98.7	99.8	1.1	2,377	2,331	-46	3.88	3.77	-0.12
	C	100.0	100.0	0.0	3,157	3,070	-87	8.49	8.25	-0.23
	All	99.1	99.4	0.3	9,911	9,830	-81	3.98	3.94	-0.05
Nov	W	66.5	56.4	-10.1	647	563	-84	1.25	1.28	0.03
	AN	45.8	34.4	-11.4	160	105	-55	0.97	0.85	-0.12
	BN	46.4	45.5	-0.9	252	218	-34	1.65	1.45	-0.19
	D	39.5	40.7	1.2	256	279	23	1.08	1.14	0.06
	C	65.8	66.1	0.3	610	622	12	2.57	2.61	0.04
	All	54.0	49.2	-4.7	1,925	1,787	-138	1.47	1.49	0.03
Dec	W	1.4	0.4	-1.0	3	1	-2	0.27	0.33	0.06
	AN	0.8	0.0	-0.8	1	0	-1	0.33	NA	NA
	BN	0.9	0.6	-0.3	1	1	0	0.33	0.50	0.17
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.7	0.2	-0.5	5	2	-3	0.29	0.40	0.11
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-6. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Keswick, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jun	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-7. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Clear Creek, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jun	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-8. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Balls Ferry, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	0.7	0.7	0.0	3	3	0	0.50	0.50	0
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.2	0.2	0	0	0	NA	0	NA
	C	1.1	1.1	0.0	2	1	-1	0.50	0.25	-0.25
	All	0.4	0.4	0.0	5	4	-1	0.50	0.36	-0.14
Jun	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.6	0.3	-0.3	0	0	0	0	0	0
	All	0.1	0.0	0.0	0	0	0	0	0	0

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-9. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Bend Bridge, 61°F 7DADM¹

Month	WY T	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.2	0.2	0.0	1	1	0	1.00	1.00	0
	C	0.3	0.3	0.0	1	0	-1	1.00	0	-1.00
	All	0.1	0.1	0.0	2	1	-1	1.00	0.50	-0.50
May	W	6.2	6.2	0.0	50	50	0	1.00	1.00	0
	AN	5.5	5.5	0.0	26	26	0	1.18	1.18	0
	BN	0.3	2.9	2.6	0	7	7	0	0.70	0.70
	D	9.4	7.7	-1.6	66	55	-11	1.14	1.15	0.01
	C	9.4	9.4	0.0	36	32	-4	1.03	0.91	-0.11
	All	6.5	6.5	0.0	178	170	-8	1.07	1.03	-0.04
Jun	W	5.3	5.5	0.3	36	37	1	0.88	0.86	-0.02
	AN	4.4	4.4	0.0	16	16	0	0.94	0.94	0
	BN	3.6	3.3	-0.3	10	10	0	0.83	0.91	0.08
	D	0.3	0.2	-0.2	1	0	-1	0.50	0	-0.50
	C	29.7	26.9	-2.8	113	79	-34	1.06	0.81	-0.24
	All	7.3	6.9	-0.4	176	142	-34	0.98	0.84	-0.14

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-10. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Red Bluff, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.5	0.5	0.0	2	2	0	0.50	0.50	0.00
	AN	0.5	0.5	0.0	1	1	0	0.50	0.50	0.00
	BN	0.0	0.3	0.3	0	0	0	NA	0	NA
	D	2.7	2.8	0.2	11	11	0	0.69	0.65	-0.04
	C	1.7	1.7	0.0	6	6	0	1.00	1.00	0.00
	All	1.1	1.2	0.1	20	20	0	0.71	0.67	-0.05
May	W	15.8	15.9	0.1	162	162	0	1.28	1.27	-0.01
	AN	14.6	12.2	-2.5	81	76	-5	1.37	1.55	0.18
	BN	5.3	8.8	3.5	10	24	14	0.56	0.80	0.24
	D	19.0	14.8	-4.2	181	150	-31	1.53	1.63	0.10
	C	25.3	23.7	-1.6	127	118	-9	1.35	1.34	-0.01
	All	16.4	15.2	-1.1	561	530	-31	1.35	1.37	0.02
Jun	W	12.7	12.4	-0.3	103	103	0	1.04	1.06	0.02
	AN	10.8	9.0	-1.8	39	37	-2	0.93	1.06	0.13
	BN	7.0	6.1	-0.9	23	21	-2	1.00	1.05	0.05
	D	4.3	2.8	-1.5	20	11	-9	0.77	0.65	-0.12
	C	46.7	40.8	-5.8	238	186	-52	1.42	1.27	-0.15
	All	14.6	12.8	-1.7	423	358	-65	1.18	1.13	-0.05

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-11. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Knights Landing, 64°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.5	0.5	0.0	1	1	0	0.33	0.33	0
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.1	0.1	0.0	1	1	0	0.33	0.33	0
Apr	W	5.1	5.1	0.0	35	35	0	0.88	0.88	0
	AN	9.2	9.0	-0.3	34	34	0	0.94	0.97	0.03
	BN	36.7	38.5	1.8	171	181	10	1.41	1.43	0.01
	D	22.2	21.2	-1.0	232	224	-8	1.74	1.76	0.02
	C	35.8	34.4	-1.4	209	203	-6	1.62	1.64	0.02
	All	18.7	18.4	-0.2	681	677	-4	1.48	1.49	0.01
May	W	72.2	72.3	0.1	2,517	2,536	19	4.32	4.35	0.03
	AN	87.8	87.8	0.0	1,768	1,759	-9	4.99	4.97	-0.03
	BN	96.5	97.1	0.6	1,538	1,561	23	4.67	4.72	0.04
	D	95.8	95.3	-0.5	3,299	3,065	-234	5.55	5.19	-0.37
	C	98.7	97.8	-0.8	2,152	2,114	-38	5.86	5.81	-0.06
	All	87.6	87.5	-0.1	11,274	11,035	-239	5.06	4.96	-0.10
Jun	W	98.7	98.7	0.0	5,886	5,747	-139	7.64	7.46	-0.18
	AN	100.0	100.0	0.0	3,022	2,769	-253	7.75	7.10	-0.65
	BN	100.0	100.0	0.0	2,354	2,143	-211	7.13	6.49	-0.64
	D	100.0	100.0	0.0	4,867	4,403	-464	8.11	7.34	-0.77
	C	100.0	100.0	0.0	3,262	3,080	-182	9.06	8.56	-0.51
	All	99.6	99.6	0.0	19,391	18,142	-1,249	7.91	7.40	-0.51

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-12. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Immigration, Sacramento River at Keswick, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Sep	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	2.2	2.2	0	3	3	NA	0.38	NA
	All	0.0	0.3	0.3	0	3	3	NA	0.38	NA
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-13. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Immigration, Sacramento River at Bend Bridge, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	11.6	16.7	5.1	56	81	25	1.30	1.31	0
	All	1.7	2.4	0.7	56	81	25	1.30	1.31	0
Sep	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	28.1	33.3	5.3	163	203	40	1.61	1.69	0.08
	All	4.1	4.9	0.8	163	203	40	1.61	1.69	0.08
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	3.2	1.9	-1.3	10	5	-5	0.83	0.71	-0.12
	All	0.5	0.3	-0.2	10	5	-5	0.83	0.71	-0.12
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-14. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Immigration, Sacramento River at Red Bluff, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	21.0	21.2	0.3	101	129	28	1.29	1.63	0.34
	All	3.1	3.1	0.0	101	129	28	1.29	1.63	0.34
Sep	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.6	0.6	0	1	1	NA	0.5	NA
	D	0.8	0.5	-0.3	1	1	0	0.20	0.33	0.13
	C	51.1	55.0	3.9	408	476	68	2.22	2.40	0.19
	All	7.7	8.3	0.6	409	478	69	2.16	2.35	0.19
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	10.5	9.7	-0.8	49	31	-18	1.26	0.86	-0.40
	All	1.6	1.4	-0.1	49	31	-18	1.26	0.86	-0.40
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-15. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Holding, Sacramento River at Keswick, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.3	0.0	-0.3	0	0	0	0	NA	NA
	All	0.0	0.0	0.0	0	0	0	0	NA	NA
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	32.8	32.5	-0.3	245	269	24	2.01	2.22	0.21
	All	4.8	4.8	0.0	245	269	24	2.01	2.22	0.21

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-16. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Holding, Sacramento River at Balls Ferry, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	9.7	12.1	2.4	54	65	11	1.50	1.44	-0.06
	All	1.4	1.8	0.4	54	65	11	1.50	1.44	-0.06
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	2.3	0.2	-2.1	4	0	-4	0.29	0.10	-0.19
	C	46.0	42.5	-3.5	799	802	3	4.67	5.08	0.40
	All	7.3	6.3	-1.0	803	802	-1	4.34	5.04	0.70

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-17. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Holding, Sacramento River at Red Bluff, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ²		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	8.4	8.4	0.0	46	46	0	0.68	0.68	0.00
	AN	0.5	0.2	-0.2	1	1	0	0.50	1.00	0.50
	BN	5.0	2.9	-2.1	7	4	-3	0.41	0.40	-0.01
	D	10.5	9.5	-1.0	28	19	-9	0.43	0.32	-0.11
	C	66.1	72.6	6.5	470	548	78	1.91	2.03	0.12
	All	3.6	3.7	0.1	552	618	66	1.39	1.51	0.13
Aug	W	18.0	15.9	-2.1	134	117	-17	0.92	0.91	-0.01
	AN	12.7	9.7	-3.0	47	20	-27	0.92	0.51	-0.41
	BN	15.2	24.6	9.4	22	53	31	0.42	0.63	0.21
	D	57.7	51.6	-6.1	519	391	-128	1.45	1.22	-0.23
	C	85.5	79.0	-6.5	1,363	1,311	-52	4.29	4.46	0.17
	All	7.4	7.1	-0.3	2,085	1,892	-193	2.26	2.19	-0.07

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold

Table 5.E.1-18. Water Temperature Threshold Analysis Results, Late fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Keswick, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	8.3	7.8	-0.5	50	39	-11	0.75	0.62	-0.13
	AN	6.2	3.0	-3.2	15	4	-11	0.65	0.36	-0.29
	BN	11.4	7.6	-3.8	23	17	-6	0.59	0.65	0.06
	D	2.6	2.9	0.3	7	9	2	0.44	0.50	0.06
	C	14.0	14.5	0.5	31	32	1	0.60	0.59	0
	All	7.8	6.8	-1.0	126	101	-25	0.64	0.59	-0.05
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	5.0	5.0	0.0	16	16	0	0.80	0.80	0
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.8	0.8	0.0	16	16	0	0.80	0.80	0
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	0.6	0.6	0.0	2	2	0	0.40	0.40	0
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	4.7	4.7	0	12	12	NA	0.75	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	2.4	2.4	0.0	7	5	-2	0.78	0.56	-0.22
	All	0.6	1.2	0.6	9	19	10	0.64	0.63	-0.01
Jun	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.6	1.7	1.1	1	2	1	0.50	0.33	-0.17
	All	0.1	0.2	0.2	1	2	1	0.50	0.33	-0.17

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-19. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Clear Creek, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	13.6	12.2	-1.5	96	80	-16	0.87	0.82	-0.06
	AN	8.1	5.6	-2.4	27	13	-14	0.90	0.62	-0.28
	BN	15.2	11.1	-4.1	43	30	-13	0.83	0.79	-0.04
	D	5.2	4.8	-0.3	18	20	2	0.56	0.67	0.10
	C	17.5	18.3	0.8	51	53	2	0.78	0.78	-0.01
	All	11.5	10.2	-1.4	235	196	-39	0.81	0.77	-0.04
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	5.0	5.0	0.0	20	20	0	1.00	1.00	0
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.8	0.8	0.0	20	20	0	1.00	1.00	0
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	1.5	1.4	-0.1	8	8	0	0.67	0.73	0.06
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	2.1	2.1	0	5	5	NA	0.71	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.5	0.7	0.2	8	13	5	0.67	0.72	0.06
May	W	4.0	4.0	0.0	55	55	0	1.72	1.72	0
	AN	1.0	1.0	0.0	2	2	0	0.50	0.50	0
	BN	2.3	8.5	6.2	6	60	54	0.75	2.07	1.32
	D	0.6	0.8	0.2	1	2	1	0.25	0.40	0.15
	C	11.0	11.0	0.0	66	58	-8	1.61	1.41	-0.20
	All	3.5	4.4	0.9	130	177	47	1.46	1.59	0.13
Jun	W	1.3	1.3	0.0	6	6	0	0.60	0.60	0
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	2.1	0.3	-1.8	4	0	-4	0.57	0	-0.57
	D	0.8	0.5	-0.3	1	0	-1	0.20	0	-0.20
	C	47.8	44.2	-3.6	166	161	-5	0.97	1.01	0.05
	All	7.9	7.0	-0.9	177	167	-10	0.91	0.97	0.05

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-20. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Balls Ferry, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	4.8	4.3	-0.5	24	15	-9	0.62	0.43	-0.19
	AN	3.2	1.1	-2.2	7	1	-6	0.58	0.25	-0.33
	BN	4.1	3.8	-0.3	8	6	-2	0.57	0.46	-0.11
	D	0.6	0.6	0.0	1	2	1	0.25	0.50	0.25
	C	2.2	2.4	0.3	2	2	0	0.25	0.22	-0.03
	All	3.1	2.6	-0.5	42	26	-16	0.55	0.40	-0.15
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.6	0.6	0.0	1	1	0	0.50	0.50	0
	D	1.0	1.0	0.0	2	2	0	0.33	0.33	0
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.3	0.3	0.0	3	3	0	0.38	0.38	0
Apr	W	5.8	5.8	0.0	51	52	1	1.13	1.16	0.02
	AN	4.1	4.4	0.3	9	11	2	0.56	0.65	0.08
	BN	3.3	5.5	2.1	7	18	11	0.64	1.00	0.36
	D	13.7	13.5	-0.2	68	72	4	0.83	0.89	0.06
	C	7.5	6.4	-1.1	22	22	0	0.81	0.96	0.14
	All	7.4	7.5	0.1	157	175	18	0.87	0.95	0.08
May	W	32.0	32.6	0.6	443	447	4	1.72	1.70	-0.02
	AN	34.5	35.2	0.7	161	158	-3	1.16	1.11	-0.05
	BN	29.0	35.2	6.2	91	176	85	0.92	1.47	0.55
	D	37.6	34.4	-3.2	359	313	-46	1.54	1.47	-0.07
	C	69.1	67.5	-1.6	464	441	-23	1.81	1.76	-0.05
	All	38.8	38.9	0.1	1,518	1,535	17	1.54	1.55	0.01
Jun	W	51.0	50.5	-0.5	451	454	3	1.13	1.15	0.02
	AN	24.4	24.1	-0.3	110	101	-9	1.16	1.07	-0.08
	BN	41.2	40.3	-0.9	146	124	-22	1.07	0.93	-0.14
	D	39.5	30.3	-9.2	182	141	-41	0.77	0.77	0.01
	C	91.1	89.7	-1.4	862	816	-46	2.63	2.53	-0.10
	All	48.5	45.8	-2.8	1,751	1,636	-115	1.47	1.45	-0.01

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-21. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Bend Bridge, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	0.5	0.2	-0.2	1	0	-1	0.25	0	-0.25
	AN	0.3	0.0	-0.3	0	0	0	0	NA	NA
	BN	0.3	0.6	0.3	0	0	0	0	0	0
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.2	0.2	-0.1	1	0	-1	0.17	0	-0.17
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.1	0.1	0.0	0	0	0	0	0	0.00
	AN	0.5	0.5	0.0	1	1	0	0.50	0.50	0.00
	BN	3.2	3.2	0.0	12	12	0	1.09	1.09	0.00
	D	3.5	3.5	0.0	15	15	0	0.68	0.68	0.00
	C	3.2	1.9	-1.3	4	2	-2	0.33	0.29	-0.05
	All	1.9	1.7	-0.2	32	30	-2	0.67	0.70	0.03
Apr	W	21.4	21.5	0.1	241	242	1	1.44	1.44	0.00
	AN	28.5	28.7	0.3	173	175	2	1.56	1.56	0.00
	BN	36.4	38.2	1.8	128	147	19	1.07	1.17	0.10
	D	42.3	42.0	-0.3	453	445	-8	1.78	1.77	-0.02
	C	28.9	27.5	-1.4	139	133	-6	1.34	1.34	0.01
	All	30.7	30.8	0.0	1,134	1,142	8	1.50	1.51	0.01
May	W	78.2	78.5	0.4	1,693	1,716	23	2.69	2.71	0.02
	AN	83.6	84.1	0.5	900	895	-5	2.67	2.64	-0.03
	BN	86.5	86.5	0.0	599	689	90	2.03	2.34	0.31
	D	87.6	83.9	-3.7	1,480	1,345	-135	2.73	2.59	-0.14
	C	96.0	95.4	-0.5	1,160	1,124	-36	3.25	3.17	-0.08
	All	85.1	84.3	-0.8	5,832	5,769	-63	2.70	2.69	0.00
Jun	W	95.8	93.8	-1.9	2,349	2,316	-33	3.14	3.16	0.02
	AN	87.7	80.0	-7.7	768	683	-85	2.25	2.19	-0.06
	BN	86.1	82.7	-3.3	691	624	-67	2.43	2.29	-0.15
	D	97.2	93.5	-3.7	1,349	1,148	-201	2.31	2.05	-0.27
	C	98.6	98.6	0.0	1,646	1,558	-88	4.64	4.39	-0.25
	All	93.9	90.8	-3.2	6,803	6,329	-474	2.94	2.83	-0.11

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-22. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Spawning and Embryo Incubation, Sacramento River at Red Bluff, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Dec	W	1.4	0.4	-1.0	3	1	-2	0.27	0.33	0.06
	AN	0.8	0.0	-0.8	1	0	-1	0.33	NA	NA
	BN	0.9	0.6	-0.3	1	1	0	0.33	0.50	0.17
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.7	0.2	-0.5	5	2	-3	0.29	0.40	0.11
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	1.0	1.0	0.0	8	8	0	1.00	1.00	0.00
	AN	1.5	1.0	-0.5	5	4	-1	0.83	1.00	0.17
	BN	11.4	8.2	-3.2	52	45	-7	1.33	1.61	0.27
	D	12.4	12.6	0.2	87	87	0	1.13	1.12	-0.01
	C	15.9	14.0	-1.9	58	41	-17	0.98	0.79	-0.19
	All	7.4	6.7	-0.7	210	185	-25	1.11	1.09	-0.02
Apr	W	36.4	36.2	-0.3	555	558	3	1.95	1.98	0.02
	AN	46.9	46.7	-0.3	380	382	2	2.08	2.10	0.02
	BN	68.5	70.9	2.4	408	437	29	1.81	1.87	0.06
	D	65.8	64.3	-1.5	981	952	-29	2.48	2.47	-0.02
	C	61.7	60.6	-1.1	415	397	-18	1.87	1.82	-0.05
	All	53.3	52.9	-0.3	2,739	2,726	-13	2.09	2.09	0.00
May	W	87.7	87.8	0.1	2,370	2,396	26	3.35	3.38	0.03
	AN	95.0	94.5	-0.5	1,316	1,310	-6	3.44	3.44	0.00
	BN	98.2	98.2	0.0	956	1,040	84	2.85	3.10	0.25
	D	97.1	94.8	-2.3	2,154	1,987	-167	3.58	3.38	-0.20
	C	99.2	98.7	-0.5	1,579	1,538	-41	4.28	4.19	-0.09
	All	94.3	93.6	-0.7	8,375	8,271	-104	3.50	3.48	-0.02
Jun	W	97.8	96.4	-1.4	2,876	2,823	-53	3.77	3.75	-0.02
	AN	93.8	89.7	-4.1	1,057	942	-115	2.89	2.69	-0.20
	BN	95.2	90.6	-4.5	910	823	-87	2.90	2.75	-0.15
	D	98.7	96.7	-2.0	1,817	1,569	-248	3.07	2.71	-0.36
	C	98.9	98.9	0.0	1,903	1,796	-107	5.35	5.04	-0.30
	All	97.2	95.0	-2.2	8,563	7,953	-610	3.58	3.40	-0.18

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-23. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Keswick, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jun	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.3	0.0	-0.3	0	0	0	0.00	NA	NA
	All	0.0	0.0	0.0	0	0	0	0.00	NA	NA
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	32.8	32.5	-0.3	245	269	24	2.01	2.22	0.21
	All	4.8	4.8	0.0	245	269	24	2.01	2.22	0.21

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	64.4	60.0	-4.4	857	909	52	3.69	4.21	0.51
	All	9.4	8.8	-0.7	857	909	52	3.69	4.21	0.51
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	52.7	49.5	-3.2	450	407	-43	2.30	2.21	-0.08
	All	7.8	7.3	-0.5	450	407	-43	2.30	2.21	-0.08
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.6	0.0	-0.6	1	0	-1	NA	NA	NA
	All	0.1	0.0	-0.1	1	0	-1	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-24. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Clear Creek, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jun	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	3.0	3.2	0.3	10	9	-1	0.91	0.75	-0.16
	All	0.4	0.5	0.0	10	9	-1	0.91	0.75	-0.16
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	41.1	39.2	-1.9	543	565	22	3.55	3.87	0.32
	All	6.0	5.7	-0.3	543	565	22	3.55	3.87	0.32

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	73.1	66.4	-6.7	1,458	1,484	26	5.54	6.21	0.67
	All	10.7	9.7	-1.0	1,458	1,484	26	5.54	6.21	0.67
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	79.8	68.0	-11.8	903	801	-102	3.04	3.17	0.13
	All	11.8	10.1	-1.8	903	801	-102	3.04	3.17	0.13
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	5.8	4.2	-1.7	13	9	-4	0.62	0.60	-0.02
	All	0.9	0.6	-0.2	13	9	-4	0.62	0.60	-0.02
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-25. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Balls Ferry, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	0.7	0.7	0.0	3	3	0	0.50	0.50	0
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.2	0.2	0	0	0	NA	0	NA
	C	1.1	1.1	0.0	2	1	-1	0.50	0.25	-0.25
	All	0.4	0.4	0.0	5	4	-1	0.50	0.36	-0.14
Jun	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.6	0.3	-0.3	0	0	0	0	0	0
	All	0.1	0.0	0.0	0	0	0	0	0	0
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	9.7	12.1	2.4	54	65	11	1.50	1.44	-0.06
	All	1.4	1.8	0.4	54	65	11	1.50	1.44	-0.06
Aug	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	2.3	0.2	-2.1	4	0	-4	0.29	0	-0.29
	C	46.0	42.5	-3.5	799	802	3	4.67	5.08	0.40
	All	7.3	6.3	-1.0	803	802	-1	4.34	5.04	0.70

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	3.9	6.1	2.1	6	13	7	0.46	0.65	0.19
	D	12.2	11.0	-1.2	52	37	-15	0.71	0.56	-0.15
	C	83.9	73.9	-10.0	1,667	1,658	-9	5.52	6.23	0.71
	All	15.8	14.3	-1.5	1,725	1,708	-17	4.45	4.85	0.41
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.2	0.2	0	0	0	NA	0	NA
	C	76.6	62.6	-14.0	827	742	-85	2.90	3.18	0.28
	All	11.4	9.3	-2.0	827	742	-85	2.90	3.17	0.27
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	4.4	4.2	-0.3	8	7	-1	0.50	0.47	-0.03
	All	0.7	0.6	0.0	8	7	-1	0.50	0.47	-0.03
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-26. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Bend Bridge, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.2	0.2	0.0	1	1	0	1.00	1.00	0.00
	C	0.3	0.3	0.0	1	0	-1	1.00	0	-1.00
	All	0.1	0.1	0.0	2	1	-1	1.00	0.50	-0.50
May	W	6.2	6.2	0.0	50	50	0	1.00	1.00	0.00
	AN	5.5	5.5	0.0	26	26	0	1.18	1.18	0.00
	BN	0.3	2.9	2.6	0	7	7	0	0.70	0.70
	D	9.4	7.7	-1.6	66	55	-11	1.14	1.15	0.01
	C	9.4	9.4	0.0	36	32	-4	1.03	0.91	-0.11
	All	6.5	6.5	0.0	178	170	-8	1.07	1.03	-0.04
Jun	W	5.3	5.5	0.3	36	37	1	0.88	0.86	-0.02
	AN	4.4	4.4	0.0	16	16	0	0.94	0.94	0.00
	BN	3.6	3.3	-0.3	10	10	0	0.83	0.91	0.08
	D	0.3	0.2	-0.2	1	0	-1	0.50	0	-0.50
	C	29.7	26.9	-2.8	113	79	-34	1.06	0.81	-0.24
	All	7.3	6.9	-0.4	176	142	-34	0.98	0.84	-0.14
Jul	W	3.3	3.7	0.4	7	7	0	0.26	0.23	-0.03
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	1.2	0.6	-0.6	1	0	-1	0.25	0	-0.25
	D	1.3	1.1	-0.2	1	1	0	0.13	0.14	0.02
	C	56.2	64.0	7.8	332	384	52	1.59	1.61	0.02
	All	9.8	10.9	1.1	341	392	51	1.38	1.42	0.04
Aug	W	4.1	3.8	-0.2	21	22	1	0.64	0.71	0.07
	AN	2.7	0.5	-2.2	6	0	-6	0.55	0	-0.55
	BN	0.6	6.5	5.9	1	8	7	0.50	0.36	-0.14
	D	33.1	24.7	-8.4	206	118	-88	1.00	0.77	-0.23
	C	77.2	65.6	-11.6	1,107	1,090	-17	3.86	4.47	0.61
	All	21.2	17.8	-3.4	1,341	1,238	-103	2.49	2.74	0.25

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	0.8	0.5	-0.3	4	1	-3	0.67	0.25	-0.42
	AN	0.8	0.0	-0.8	1	0	-1	0.33	NA	NA
	BN	26.1	41.8	15.8	85	159	74	0.99	1.15	0.16
	D	46.8	54.8	8.0	469	517	48	1.67	1.57	-0.10
	C	93.9	92.2	-1.7	1,897	1,882	-15	5.61	5.67	0.06
	All	29.0	32.6	3.6	2,456	2,559	103	3.44	3.19	-0.25
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	1.8	1.3	-0.5	5	4	-1	0.45	0.50	0.05
	C	69.6	58.6	-11.0	757	685	-72	2.92	3.14	0.22
	All	10.8	9.0	-1.8	762	689	-73	2.82	3.05	0.23
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	1.7	1.9	0.3	2	2	0	0.33	0.29	-0.05
	All	0.2	0.3	0.0	2	2	0	0.33	0.29	-0.05
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-27. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Red Bluff, 64°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
May	W	1.2	1.2	0.0	11	11	0	1.10	1.10	0
	AN	2.0	2.0	0.0	8	8	0	1.00	1.00	0
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	2.7	2.1	-0.6	12	10	-2	0.71	0.77	0.06
	C	3.2	2.7	-0.5	6	5	-1	0.50	0.50	0
	All	1.8	1.6	-0.2	37	34	-3	0.79	0.83	0.04
Jun	W	0.9	0.9	0.0	6	6	0	0.86	0.86	0
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	3.9	1.9	-1.9	7	4	-3	0.50	0.57	0.07
	All	0.9	0.6	-0.3	13	10	-3	0.62	0.71	0.10
Jul	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	12.6	17.7	5.1	46	62	16	0.98	0.94	-0.04
	All	1.8	2.6	0.7	46	62	16	0.98	0.94	-0.04
Aug	W	0.2	0.2	0.0	0	0	0	0	0	0
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	6.1	1.8	-4.4	22	4	-18	0.58	0.36	-0.22
	C	43.0	44.9	1.9	624	632	8	3.90	3.78	-0.12
	All	7.9	7.1	-0.8	646	636	-10	3.23	3.53	0.30

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	0.4	0.0	-0.4	1	0	-1	0.33	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	14.5	26.1	11.5	50	93	43	1.04	1.08	0.04
	D	33.5	39.3	5.8	333	363	30	1.66	1.54	-0.12
	C	90.0	87.2	-2.8	1,481	1,497	16	4.57	4.77	0.20
	All	23.4	25.9	2.4	1,865	1,953	88	3.24	3.07	-0.17
Oct	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	42.7	41.7	-1.1	420	393	-27	2.64	2.54	-0.11
	All	6.3	6.2	-0.2	420	393	-27	2.64	2.54	-0.11
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-28. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Juvenile Rearing and Emigration, Sacramento River at Knights Landing, 64°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.5	0.5	0.0	1	1	0	0.33	0.33	0.00
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.1	0.1	0.0	1	1	0	0.33	0.33	0.00
Apr	W	5.1	5.1	0.0	35	35	0	0.88	0.88	0.00
	AN	9.2	9.0	-0.3	34	34	0	0.94	0.97	0.03
	BN	36.7	38.5	1.8	171	181	10	1.41	1.43	0.01
	D	22.2	21.2	-1.0	232	224	-8	1.74	1.76	0.02
	C	35.8	34.4	-1.4	209	203	-6	1.62	1.64	0.02
	All	18.7	18.4	-0.2	681	677	-4	1.48	1.49	0.01
May	W	72.2	72.3	0.1	2,517	2,536	19	4.32	4.35	0.03
	AN	87.8	87.8	0.0	1,768	1,759	-9	4.99	4.97	-0.03
	BN	96.5	97.1	0.6	1,538	1,561	23	4.67	4.72	0.04
	D	95.8	95.3	-0.5	3,299	3,065	-234	5.55	5.19	-0.37
	C	98.7	97.8	-0.8	2,152	2,114	-38	5.86	5.81	-0.06
	All	87.6	87.5	-0.1	11,274	11,035	-239	5.06	4.96	-0.10
Jun	W	98.7	98.7	0.0	5,886	5,747	-139	7.64	7.46	-0.18
	AN	100.0	100.0	0.0	3,022	2,769	-253	7.75	7.1	-0.65
	BN	100.0	100.0	0.0	2,354	2,143	-211	7.13	6.49	-0.64
	D	100.0	100.0	0.0	4,867	4,403	-464	8.11	7.34	-0.77
	C	100.0	100.0	0.0	3,262	3,080	-182	9.06	8.56	-0.51
	All	99.6	99.6	0.0	19,391	18,142	-1,249	7.91	7.40	-0.51
Jul	W	100.0	100.0	0.0	7,366	7,265	-101	9.14	9.01	-0.13
	AN	100.0	100.0	0.0	3,022	3,025	3	7.50	7.51	0.01
	BN	100.0	100.0	0.0	2,684	2,631	-53	7.87	7.72	-0.16
	D	100.0	100.0	0.0	5,472	5,535	63	8.83	8.93	0.10
	C	100.0	100.0	0.0	4,034	4,189	155	10.84	11.26	0.42
	All	100.0	100.0	0.0	22,578	22,645	67	8.88	8.91	0.03
Aug	W	100.0	100.0	0.0	7,777	7,697	-80	9.65	9.55	-0.10
	AN	100.0	100.0	0.0	3,588	3,642	54	8.90	9.04	0.13
	BN	100.0	100.0	0.0	2,856	3,201	345	8.38	9.39	1.01
	D	100.0	100.0	0.0	6,423	6,282	-141	10.36	10.13	-0.23
	C	100.0	100.0	0.0	4,372	4,303	-69	11.75	11.57	-0.19
	All	100.0	100.0	0.0	25,016	25,125	109	9.84	9.88	0.04

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	82.6	84.1	1.5	2,229	2,272	43	3.46	3.46	0.00
	AN	99.7	100.0	0.3	1,815	2,149	334	4.67	5.51	0.84
	BN	100.0	100.0	0.0	2,886	3,144	258	8.75	9.53	0.78
	D	100.0	100.0	0.0	6,001	6,128	127	10.00	10.21	0.21
	C	100.0	100.0	0.0	4,223	4,261	38	11.73	11.84	0.11
	All	94.4	95.0	0.5	17,154	17,954	800	7.38	7.69	0.30
Oct	W	27.3	34.2	6.9	217	337	120	0.99	1.22	0.23
	AN	31.5	33.1	1.6	250	292	42	2.14	2.37	0.24
	BN	49.3	41.3	-7.9	444	406	-38	2.64	2.88	0.24
	D	57.1	52.7	-4.4	1,004	961	-43	2.84	2.94	0.10
	C	89.8	88.2	-1.6	1,545	1,558	13	4.63	4.75	0.12
	All	47.5	47.6	0.1	3,460	3,554	94	2.90	2.97	0.07
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	2.2	1.7	-0.6	6	5	-1	0.75	0.83	0.08
	All	0.3	0.2	-0.1	6	5	-1	0.75	0.83	0.08
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-29. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Adult Immigration, Sacramento River at Keswick, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-30. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Adult Immigration, Sacramento River at Bend Bridge, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-31. Water Temperature Threshold Analysis Results, Late Fall-run Chinook Salmon, Adult Immigration, Sacramento River at Red Bluff, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

5.E.1.1.2 American River

Table 5.E.1-32. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Spawning and Embryo Incubation, American River at Hazel Avenue, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Oct	W	100.0	100.0	0.0	5,499	5,518	19	6.82	6.85	0.02
	AN	100.0	100.0	0.0	3,083	3,167	84	8.29	8.51	0.23
	BN	100.0	100.0	0.0	3,078	3,054	-24	9.03	8.96	-0.07
	D	100.0	100.0	0.0	5,973	5,785	-188	9.63	9.33	-0.30
	C	100.0	100.0	0.0	4,031	3,871	-160	10.84	10.41	-0.43
	All	100.0	100.0	0.0	21,664	21,395	-269	8.63	8.52	-0.11
Nov	W	89.9	91.4	1.5	2,006	1,957	-49	2.86	2.74	-0.12
	AN	84.4	84.2	-0.3	862	852	-10	2.84	2.81	-0.02
	BN	86.7	83.0	-3.6	951	861	-90	3.33	3.14	-0.18
	D	83.0	80.5	-2.5	1,624	1,528	-96	3.26	3.16	-0.10
	C	80.6	80.3	-0.3	1,153	1,136	-17	3.98	3.93	-0.05
	All	85.6	84.9	-0.7	6,596	6,334	-262	3.17	3.07	-0.10
Dec	W	15.0	15.6	0.6	243	229	-14	2.01	1.82	-0.19
	AN	6.7	6.5	-0.3	33	31	-2	1.32	1.29	-0.03
	BN	9.1	5.0	-4.1	35	21	-14	1.13	1.24	0.11
	D	1.9	2.4	0.5	10	9	-1	0.83	0.60	-0.23
	C	5.1	6.2	1.1	26	27	1	1.37	1.17	-0.19
	All	8.3	8.2	-0.1	347	317	-30	1.67	1.55	-0.12
Jan	W	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	AN	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	BN	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	D	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	C	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	All	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-33. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Spawning and Embryo Incubation, American River at Watt Avenue, 55.4°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Oct	W	100.0	100.0	0.0	7,326	7,391	65	9.09	9.17	0.08
	AN	100.0	100.0	0.0	3,858	3,925	67	10.37	10.55	0.18
	BN	100.0	100.0	0.0	3,752	3,737	-15	11.00	10.96	-0.04
	D	100.0	100.0	0.0	7,196	7,060	-136	11.61	11.39	-0.22
	C	100.0	100.0	0.0	4,837	4,699	-138	13.00	12.63	-0.37
	All	100.0	100.0	0.0	26,969	26,812	-157	10.74	10.68	-0.06
Nov	W	92.1	93.2	1.2	2,648	2,602	-46	3.69	3.58	-0.11
	AN	87.2	88.9	1.7	1,102	1,092	-10	3.51	3.41	-0.10
	BN	88.8	87.6	-1.2	1,195	1,124	-71	4.08	3.89	-0.19
	D	86.3	83.2	-3.2	2,050	1,957	-93	3.96	3.92	-0.04
	C	84.7	84.4	-0.3	1,432	1,428	-4	4.70	4.70	0.00
	All	88.4	88.0	-0.4	8,427	8,203	-224	3.92	3.83	-0.09
Dec	W	15.0	15.6	0.6	224	213	-11	1.85	1.69	-0.16
	AN	6.5	6.5	0.0	32	30	-2	1.33	1.25	-0.08
	BN	8.8	5.0	-3.8	31	16	-15	1.03	0.94	-0.09
	D	2.4	2.4	0.0	15	13	-2	1.00	0.87	-0.13
	C	5.1	6.5	1.3	16	17	1	0.84	0.71	-0.13
	All	8.3	8.2	-0.1	318	289	-29	1.52	1.40	-0.12
Jan	W	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	AN	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	BN	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	D	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	C	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
	All	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-34. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, American River at River at Hazel Avenue, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	10.6	10.9	0.3	28	28	0	0.80	0.78	-0.02
	D	2.2	1.7	-0.5	11	5	-6	0.85	0.50	-0.35
	C	7.8	7.5	-0.3	18	29	11	0.64	1.07	0.43
	All	3.1	3.0	-0.1	57	62	5	0.75	0.85	0.10
May	W	7.6	7.6	0.0	145	143	-2	2.38	2.34	-0.03
	AN	9.7	9.7	0.0	46	46	0	1.18	1.18	0
	BN	43.4	42.5	-0.9	441	442	1	2.98	3.05	0.07
	D	43.5	42.6	-1.0	776	659	-117	2.87	2.50	-0.38
	C	64.2	64.8	0.5	808	834	26	3.38	3.46	0.08
	All	29.8	29.5	-0.3	2,216	2,124	-92	2.93	2.83	-0.10

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-35. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Juvenile Rearing and Emigration, American River at Watt Avenue, 64°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jan	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Feb	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Mar	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Apr	W	0.6	0.6	0.0	5	5	0	1.00	1.00	0
	AN	0.3	0.3	0.0	1	1	0	1.00	1.00	0
	BN	22.1	23.3	1.2	180	185	5	2.47	2.40	-0.06
	D	14.0	13.2	-0.8	179	141	-38	2.13	1.78	-0.35
	C	36.9	36.7	-0.3	367	378	11	2.76	2.86	0.10
	All	12.0	12.0	-0.1	732	710	-22	2.47	2.41	-0.06
May	W	17.7	18.0	0.2	461	461	0	3.22	3.18	-0.04
	AN	48.6	48.9	0.2	402	404	2	2.05	2.05	0
	BN	62.8	61.9	-0.9	996	957	-39	4.65	4.54	-0.12
	D	68.9	68.7	-0.2	1,856	1,761	-95	4.35	4.13	-0.21
	C	84.9	84.7	-0.3	1,832	1,851	19	5.80	5.88	0.08
	All	51.0	50.9	-0.1	5,547	5,434	-113	4.28	4.20	-0.08

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold
³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-36. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Immigration, American River at Hazel Avenue, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	2.9	3.3	0.4	13	11	-2	0.57	0.42	-0.14
	AN	0.0	1.5	1.5	0	1	1	NA	0.17	NA
	BN	3.3	12.1	8.8	15	35	20	1.36	0.88	-0.49
	D	28.3	31.2	2.8	147	192	45	0.86	1.03	0.16
	C	76.7	72.5	-4.2	392	394	2	1.42	1.51	0.09
	All	19.5	21.1	1.6	567	633	66	1.18	1.22	0.04
Oct	W	0.0	0.2	0.2	0	0	0	NA	0	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	2.6	0.9	-1.8	4	1	-3	0.44	0.33	-0.11
	D	4.7	5.2	0.5	25	25	0	0.86	0.78	-0.08
	C	22.6	20.7	-1.9	42	30	-12	0.50	0.39	-0.11
	All	4.9	4.5	-0.3	71	56	-15	0.58	0.49	-0.09
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-37. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Immigration, American River at Watt Avenue, 68°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Sep	W	55.9	54.1	-1.8	619	634	15	1.42	1.50	0.08
	AN	91.5	96.4	4.9	636	708	72	1.78	1.88	0.10
	BN	97.3	96.4	-0.9	1,079	1,134	55	3.36	3.57	0.20
	D	98.7	98.5	-0.2	2,282	2,367	85	3.85	4.01	0.15
	C	97.2	99.7	2.5	2,157	2,159	2	6.16	6.01	-0.15
	All	83.6	84.0	0.4	6,773	7,002	229	3.29	3.39	0.09
Oct	W	3.7	4.5	0.7	30	37	7	1.00	1.03	0.03
	AN	9.7	13.7	4.0	25	33	8	0.69	0.65	-0.05
	BN	22.6	22.9	0.3	98	97	-1	1.27	1.24	-0.03
	D	31.9	31.3	-0.6	308	307	-1	1.56	1.58	0.03
	C	62.1	55.4	-6.7	521	436	-85	2.26	2.12	-0.14
	All	22.8	22.5	-0.3	982	910	-72	1.72	1.61	-0.11
Nov	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum
² Only includes days on which temperature exceeded threshold³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-38. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Holding, American River at Hazel Avenue, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	97.4	97.4	0.0	2,704	2,658	-46	3.44	3.39	-0.06
	AN	93.8	90.8	-3.0	1,625	1,528	-97	4.30	4.17	-0.12
	BN	95.3	93.3	-2.1	1,587	1,516	-71	4.88	4.77	-0.12
	D	94.8	93.5	-1.3	3,383	3,316	-67	5.75	5.72	-0.04
	C	97.3	97.8	0.5	3,118	3,163	45	8.61	8.69	0.08
	All	95.9	94.9	-1.0	12,417	12,181	-236	5.09	5.05	-0.05
Aug	W	94.3	95.0	0.7	2,068	2,108	40	2.72	2.75	0.03
	AN	100.0	100.0	0.0	1,544	1,524	-20	3.83	3.78	-0.05
	BN	100.0	99.1	-0.9	1,668	1,577	-91	4.89	4.67	-0.23
	D	99.8	99.8	0.0	3,247	3,281	34	5.25	5.30	0.05
	C	100.0	100.0	0.0	2,433	2,780	347	6.54	7.47	0.93
	All	98.2	98.3	0.1	10,960	11,270	310	4.39	4.51	0.12
Sep	W	99.2	99.6	0.4	2,619	2,559	-60	3.38	3.29	-0.09
	AN	100.0	100.0	0.0	1,760	1,794	34	4.51	4.60	0.09
	BN	100.0	100.0	0.0	1,704	1,792	88	5.16	5.43	0.27
	D	100.0	100.0	0.0	3,614	3,678	64	6.02	6.13	0.11
	C	100.0	100.0	0.0	2,778	2,706	-72	7.72	7.52	-0.20
	All	99.8	99.9	0.1	12,475	12,529	54	5.08	5.10	0.02
Oct	W	67.4	67.9	0.5	1,475	1,485	10	2.72	2.71	0
	AN	98.9	99.2	0.3	1,001	1,084	83	2.72	2.94	0.22
	BN	95.3	94.7	-0.6	1,188	1,165	-23	3.66	3.61	-0.05
	D	99.0	95.2	-3.9	2,505	2,352	-153	4.08	3.99	-0.09
	C	98.7	99.7	1.1	1,950	1,788	-162	5.31	4.82	-0.49
	All	88.3	87.6	-0.7	8,119	7,874	-245	3.66	3.58	-0.08
Nov	W	5.6	5.1	-0.5	81	67	-14	1.84	1.68	-0.17
	AN	5.8	6.7	0.8	26	32	6	1.24	1.33	0.10
	BN	8.8	7.9	-0.9	55	45	-10	1.90	1.73	-0.17
	D	10.0	8.8	-1.2	117	93	-24	1.95	1.75	-0.20
	C	14.2	15.0	0.8	93	88	-5	1.82	1.63	-0.19
	All	8.4	8.1	-0.3	372	325	-47	1.81	1.65	-0.16
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario

Table 5.E.1-39. Water Temperature Threshold Analysis Results, Fall-run Chinook Salmon, Adult Holding, American River at Watt Avenue, 61°F 7DADM¹

Month	WYT	Percent of Days Above Threshold			Sum of Degree-Days Above Threshold ²			Degrees per Day Above Threshold ^{2,3}		
		NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA	NAA	PA	PA vs. NAA
Jul	W	100.0	100.0	0.0	7,701	7,541	-160	9.55	9.36	-0.20
	AN	100.0	100.0	0.0	3,776	3,783	7	9.37	9.39	0.02
	BN	100.0	100.0	0.0	3,433	3,487	54	10.07	10.23	0.16
	D	100.0	100.0	0.0	7,248	7,226	-22	11.69	11.65	-0.04
	C	100.0	100.0	0.0	6,093	6,096	3	16.38	16.39	0.01
	All	100.0	100.0	0.0	28,251	28,133	-118	11.11	11.07	-0.05
Aug	W	100.0	100.0	0.0	7,248	7,290	42	8.99	9.04	0.05
	AN	100.0	100.0	0.0	4,152	4,099	-53	10.30	10.17	-0.13
	BN	100.0	100.0	0.0	4,150	3,972	-178	12.17	11.65	-0.52
	D	100.0	100.0	0.0	7,674	7,878	204	12.38	12.71	0.33
	C	100.0	100.0	0.0	5,254	5,637	383	14.12	15.15	1.03
	All	100.0	100.0	0.0	28,478	28,876	398	11.20	11.36	0.16
Sep	W	100.0	100.0	0.0	5,640	5,647	7	7.23	7.24	0.01
	AN	100.0	100.0	0.0	3,348	3,427	79	8.58	8.79	0.20
	BN	100.0	100.0	0.0	3,384	3,438	54	10.25	10.42	0.16
	D	100.0	100.0	0.0	6,478	6,563	85	10.80	10.94	0.14
	C	100.0	100.0	0.0	4,669	4,678	9	12.97	12.99	0.02
	All	100.0	100.0	0.0	23,519	23,753	234	9.56	9.66	0.10
Oct	W	92.6	93.7	1.1	2,850	2,911	61	3.82	3.86	0.04
	AN	99.7	99.7	0.0	1,775	1,843	68	4.78	4.97	0.18
	BN	98.8	99.4	0.6	1,845	1,827	-18	5.47	5.39	-0.09
	D	100.0	99.0	-1.0	3,724	3,591	-133	6.01	5.85	-0.16
	C	99.7	99.7	0.0	2,754	2,616	-138	7.42	7.05	-0.37
	All	97.4	97.6	0.2	12,948	12,788	-160	5.30	5.22	-0.08
Nov	W	9.9	10.0	0.1	157	141	-16	2.04	1.81	-0.23
	AN	10.6	12.5	1.9	57	69	12	1.50	1.53	0.03
	BN	16.1	14.5	-1.5	107	95	-12	2.02	1.98	-0.04
	D	17.8	17.0	-0.8	223	191	-32	2.08	1.87	-0.21
	C	30.0	28.1	-1.9	192	204	12	1.78	2.02	0.24
	All	15.8	15.4	-0.4	736	700	-36	1.92	1.87	-0.05
Dec	W	0.0	0.0	0.0	0	0	0	NA	NA	NA
	AN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	BN	0.0	0.0	0.0	0	0	0	NA	NA	NA
	D	0.0	0.0	0.0	0	0	0	NA	NA	NA
	C	0.0	0.0	0.0	0	0	0	NA	NA	NA
	All	0.0	0.0	0.0	0	0	0	NA	NA	NA

¹7DADM = Seven day average daily maximum

² Only includes days on which temperature exceeded threshold

³ NA = Not applicable; this value could not be calculated in these columns because the threshold was not exceeded by the scenario