

Table 19-3. The percentage of time on the Stanislaus River that USEPA salmon and steelhead temperature criteria (7DADM unit of measurement) are met each month under modeled baseline (base) conditions during 1970 to 2003, and the magnitude of expected percent change under modeled unimpaired flows of 20%, 30%, 40%, 50% and 60% at different river mile (RM) locations. Positive numbers under the unimpaired flows represent the magnitude of increases compared to baseline in the percentage of time that criteria are expected to be met, and negative numbers under the unimpaired flows represent the magnitude of reductions compared to baseline in the percentage of time that criteria are expected to be met. Expected changes in the amount of time that USEPA temperature criteria are met which are greater than positive 10% or less than negative 10% are highlighted green or red respectively (if applicable), and represent significant changes to salmon and steelhead temperature habitat if indicated at locations which are utilized by that life stage.

Stanislaus River		Confluence (RM0)					1/4 River (RM13.3)					1/2 River (RM28.2)					3/4 River (RM43.7)					Below Goodwin (RM58.5)									
Life Stage	Month / USEPA Criteria (°F)	Base	Percent Unimpaired Flow					Base	Percent Unimpaired Flow					Base	Percent Unimpaired Flow					Base	Percent Unimpaired Flow										
			20%	30%	40%	50%	60%		20%	30%	40%	50%	60%		20%	30%	40%	50%	60%		20%	30%	40%	50%	60%						
AM	Sep (64.4)	10%	0%	0%	2%	0%	-2%	11%	0%	0%	8%	6%	4%	17%	2%	0%	14%	13%	11%	67%	3%	-1%	-1%	-1%	-6%	88%	12%	12%	12%	12%	12%
AM	Oct (64.4)	71%	7%	6%	12%	11%	11%	75%	8%	7%	12%	12%	10%	82%	9%	8%	11%	11%	10%	87%	11%	11%	12%	11%	11%	88%	12%	12%	12%	12%	12%
R	Oct (55.4)	3%	0%	-1%	-3%	-3%	-3%	3%	0%	0%	-2%	-2%	-3%	5%	0%	0%	1%	0%	-2%	17%	0%	0%	2%	-2%	-4%	55%	4%	1%	-2%	-5%	-9%
R	Nov (55.4)	27%	2%	2%	3%	1%	0%	27%	2%	1%	3%	1%	-1%	36%	2%	0%	2%	-1%	-4%	45%	6%	1%	3%	0%	-4%	64%	5%	1%	1%	2%	-4%
R	Dec (55.4)	99%	1%	1%	1%	1%	1%	99%	1%	1%	1%	1%	1%	97%	3%	3%	3%	3%	3%	95%	4%	4%	5%	5%	4%	90%	6%	6%	8%	7%	7%
R	Jan (55.4)	99%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	0%
R	Feb (55.4)	85%	2%	3%	3%	4%	6%	85%	2%	3%	4%	5%	7%	93%	1%	0%	1%	2%	3%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%
R	Mar (55.4)	36%	7%	9.9%	9.6%	16%	21%	41%	4%	9%	9.96%	16%	21%	53%	0%	7%	12%	16%	22%	78%	-1%	4%	11%	14%	17%	100%	0%	0%	0%	0%	0%
CR	Mar (60.8)	91%	-1%	2%	5%	7%	8%	92%	-1%	4%	5%	7%	7%	97%	-1%	2%	2%	3%	3%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%
CR	Apr (60.8)	78%	-2%	1%	3%	9.9%	13%	81%	-1%	1%	8%	11%	13%	90%	0%	5%	7%	8%	8%	99%	1%	1%	1%	1%	1%	100%	0%	0%	0%	0%	0%
CR	May (60.8)	51%	-2%	4%	6%	14%	22%	61%	-1%	3%	7%	12%	18%	73%	1%	6%	9.7%	11%	13%	94%	2%	2%	3%	5%	6%	100%	0%	0%	0%	0%	0%
S	Apr (57.2)	39%	-2%	-1%	1%	5%	9.7%	45%	1%	2%	3%	8%	11%	64%	-1%	0%	2%	4%	9%	85%	1%	6%	8%	11%	12%	99%	1%	1%	1%	1%	1%
S	May (57.2)	5%	-2%	0%	2%	8%	17%	13%	-4%	-1%	2%	11%	22%	31%	-6%	0%	7%	16%	22%	67%	2%	3%	7%	10%	13%	97%	3%	3%	3%	3%	3%
S	Jun (57.2)	0%	0%	0%	1%	5%	7%	3%	0%	0%	1%	5%	6%	5%	0%	3%	4%	8%	13%	27%	-3%	-1%	2%	11%	17%	96%	2%	0%	1%	-1%	-2%
SR	Jun (64.4)	38%	-1%	1%	3%	12%	19%	47%	-4%	-2%	2%	11%	17%	56%	-2%	3%	7%	12%	15%	81%	3%	4%	5%	5%	7%	100%	0%	0%	0%	0%	0%
SR	Jul (64.4)	5%	0%	2%	2%	3%	4%	8%	-2%	2%	0%	1%	3%	12%	-1%	4%	4%	5%	7%	43%	3%	4%	9%	8%	8%	100%	0%	0%	0%	0%	0%
SR	Aug (64.4)	5%	2%	0%	-2%	-2%	-4%	6%	2%	-1%	-3%	-3%	-3%	8%	0%	-2%	-5%	-5%	-5%	47%	3%	-2%	1%	-1%	-7%	96%	4%	4%	4%	4%	4%

AM = Adult Migration
R = Reproduction (Spawning, Egg Incubation, and Fry Emergence)
CR = Core Rearing
S = Smoltification
SR = Summer Rearing