

Table 1.— Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage				
				BY07 Fall	BY08 Late-fall	BY08 Winter ²	BY07 Spring	BY08 Steelhead
6/30/08	13,000	15.2	2.4	16,487 (61 – 111)	300 (51 – 60)	0 (–)	0 (–)	1,121 (25 – 91)
7/1/08	13,100	15.1	2.2	23,428 (62 – 123)	452 (54 – 59)	0 (–)	0 (–)	827 (26 – 86)
7/2/08	13,100	15.2	2.2	22,471 (62 – 110)	628 (55 – 61)	0 (–)	0 (–)	1,092 (40 – 88)
7/3/08	13,100	14.8	2.8	27,049 (62 – 104)	683 (37 – 61)	0 (–)	0 (–)	959 (28 – 97)
7/4/08	13,400	14.9	2.0	29,558 (62 – 105)	815 (55 – 61)	0 (–)	0 (–)	928 (42 – 79)
7/5/08	13,200	15.6	2.1	14,776 (63 – 104)	0 (–)	0 (–)	0 (–)	1,019 (43 – 102)
7/6/08	13,100	15.9	1.9	11,026 (64 – 103)	143 (52 – 61)	0 (–)	0 (–)	1,211 (25 – 105)
7/7/08	12,900	14.5	2.4	14,745 (64 – 123)	149 (55 – 63)	0 (–)	0 (–)	968 (27 – 83)
7/8/08	13,100	14.7	2.6	11,945 (64 – 110)	0 (–)	0 (–)	0 (–)	833 (47 – 111)
7/9/08	12,900	14.7	2.9	13,000 (65 – 108)	401 (60 – 63)	0 (–)	0 (–)	622 (40 – 99)
7/10/08	13,900	14.7	2.5	11,460 (68 – 110)	207 (62 – 64)	0 (–)	0 (–)	621 (43 – 75)
7/11/08	13,900	14.8	3.0	8,497 (65 – 104)	623 (58 – 64)	0 (–)	0 (–)	384 (57 – 78)
7/12/08	13,100	14.7	2.1	8,927 (67 – 110)	157 (60 – 63)	0 (–)	0 (–)	235 (58 – 67)
7/13/08	13,000	14.5	2.8	19,244 (66 – 108)	769 (54 – 65)	0 (–)	0 (–)	561 (39 – 100)
Biweekly total ³				232,613	5,327	0	0	11,381
Brood-year total				12,480,517	18,581	0	374,017	52,212

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Brood year 2008 began on 7/01/08 according to length-at-date criteria (Greene 1992); brood year 2007 total was estimated at 1,511,746.

³ Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we used a mean daily passage from the sample immediately preceding and following the un-sampled day. When consecutive days were not sampled, we calculated a mean daily passage for that period by noting the number of days not sampled and then calculating a mean daily passage using the same number of samples immediately preceding and following the un-sampled period (e.g., if three consecutive days were not sampled, we calculated a mean daily passage for each day using the three samples immediately preceding and following the un-sampled period).