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.

				Estimated passage				
Date	Discharge volume (cfs) [1]	Water temperature (°C)	Water turbidity (NTU)	BY11 Winter	BY11 [2] Spring	BY10 Fall	BY11 Late-Fall	BY11 RBT
10/8/2011	9,130	12.7	4.7	20,188 (29 – 55)	(0 – 0)	83 (133 – 139)	124 (103 – 110)	41 (63)
10/9/2011	9,150	12.7	4.5	16,567 (30 – 62)	(0 – 0)	85 (126 – 137)	85 (111 – 112)	129 (52 – 68)
10/10/2011	9,050	12.7	6.0	8,652 (30 – 47)	(0 – 0)	0 (–)	0 (–)	44 (75)
10/11/2011	9,510	13.0	5.3	7,685 (29 – 56)	(0 – 0)	0 (–)	46 (71)	88 (80 – 98)
10/12/2011	9,340	13.1	5.3	9,839 (30 – 61)	(0 – 0)	0 (–)	0 (–)	0 (–)
10/13/2011	9,000	12.9	4.8	10,977 (28 – 61)	(0 – 0)	40 (120)	0 (–)	0 (–)
10/14/2011	9,210	12.9	5.3	11,893 (29 – 57)	(0 – 0)	0 (–)	43 (91)	81 (59 – 107)
10/15/2011	9,090	13.0	4.8	18,095 (29 – 48)	(0 – 0)	44 (147)	50 (115)	47 (56)
10/16/2011	8,820	13.4	4.2	8,135 (34 – 67)	1,931 (29 – 33)	0 (–)	34 (74)	35 (79)
10/17/2011	7,640	13.8	5.8	7,548 (34 – 67)	2,222 (30 – 33)	0 (–)	0 (–)	37 (70)
10/18/2011	6,850	13.7	4.0	7,961 (35 – 64)	4,469 (29 – 34)	33 (134)	197 (69 – 117)	66 (75 – 86)
10/19/2011	7,020	13.6	4.3	6,307 (35 – 55)	2,667 (30 – 34)	71 (128 – 131)	95 (94 – 110)	225 (59 – 89)
10/20/2011	6,870	13.4	4.1	6,267 (35 – 69)	4,497 (29 – 34)	0 (–)	64 (72 – 110)	97 (71 – 89)
10/21/2011	7,720	12.9	4.1	7,731 (35 – 69)	3,835 (29 – 34)	0 (–)	165 (72 – 119)	33 (75)
Biweekly Total [3]				**147,845**	**19,621**	**356**	**903**	**923**
Biweekly Lower 90% Confidence Interval				112,644	15,256	15	362	372
Biweekly Upper 90% Confidence Interval				183,046	23,986	697	1,444	1,474
Brood Year Total				**605,098**	**19,621**	**8,410,593**	**84,357**	**54,680**
Brood year Lower 90% Confidence Interval				433,778	15,256	4,781,906	14,074	22,804
Brood year Upper 90% Confidence Interval				776,417	23,986	12,039,281	154,640	86,557

[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 2011 began on 10/16/11 according to length-at-date criteria (Greene 1992); brood year 2010 total was estimated 151,701

[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 impute missed sample days with the weekly mean value of days sampled within the week.

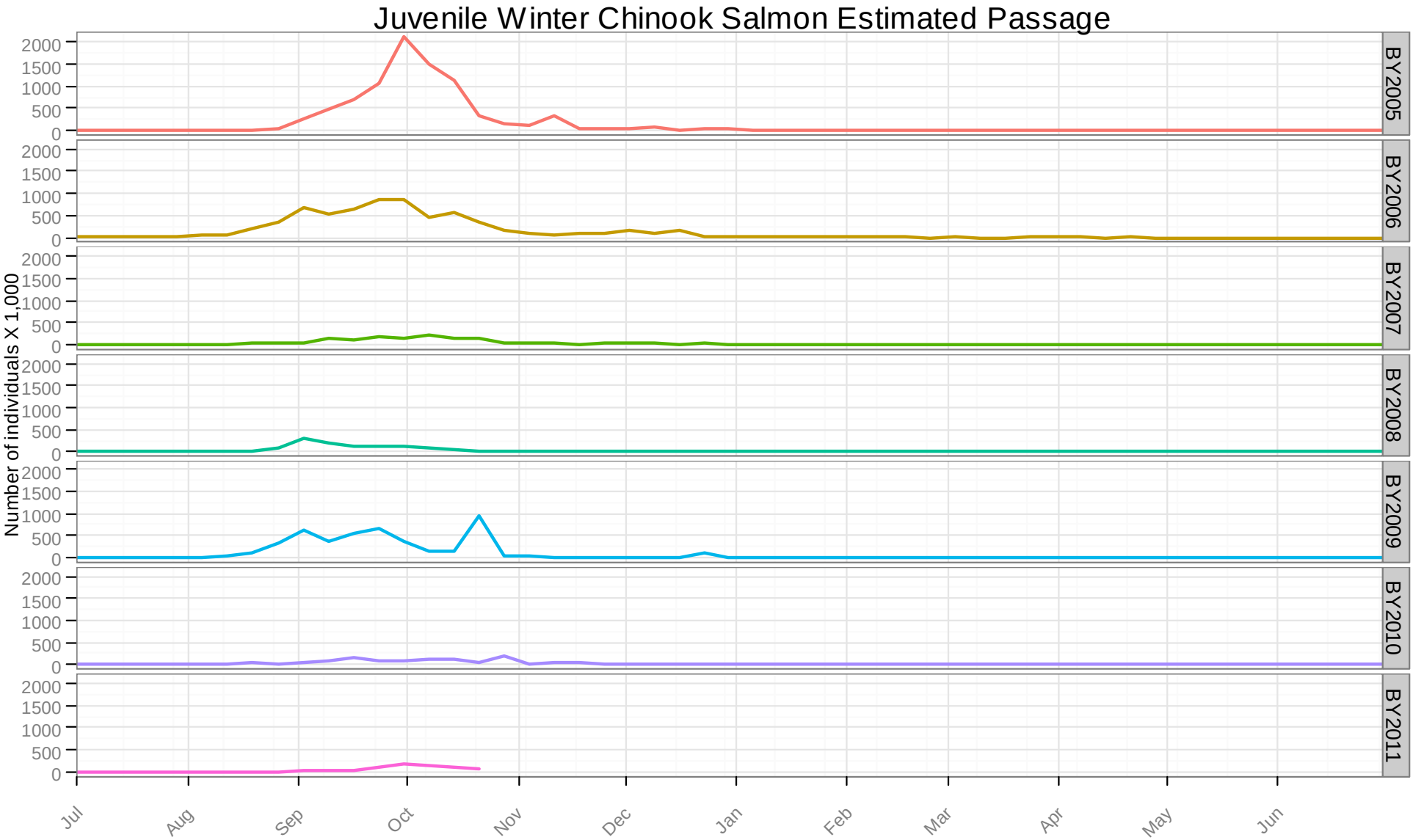

Figure 1. Weekly estimated passage of juvenile winter Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period July 1 2005 to present .

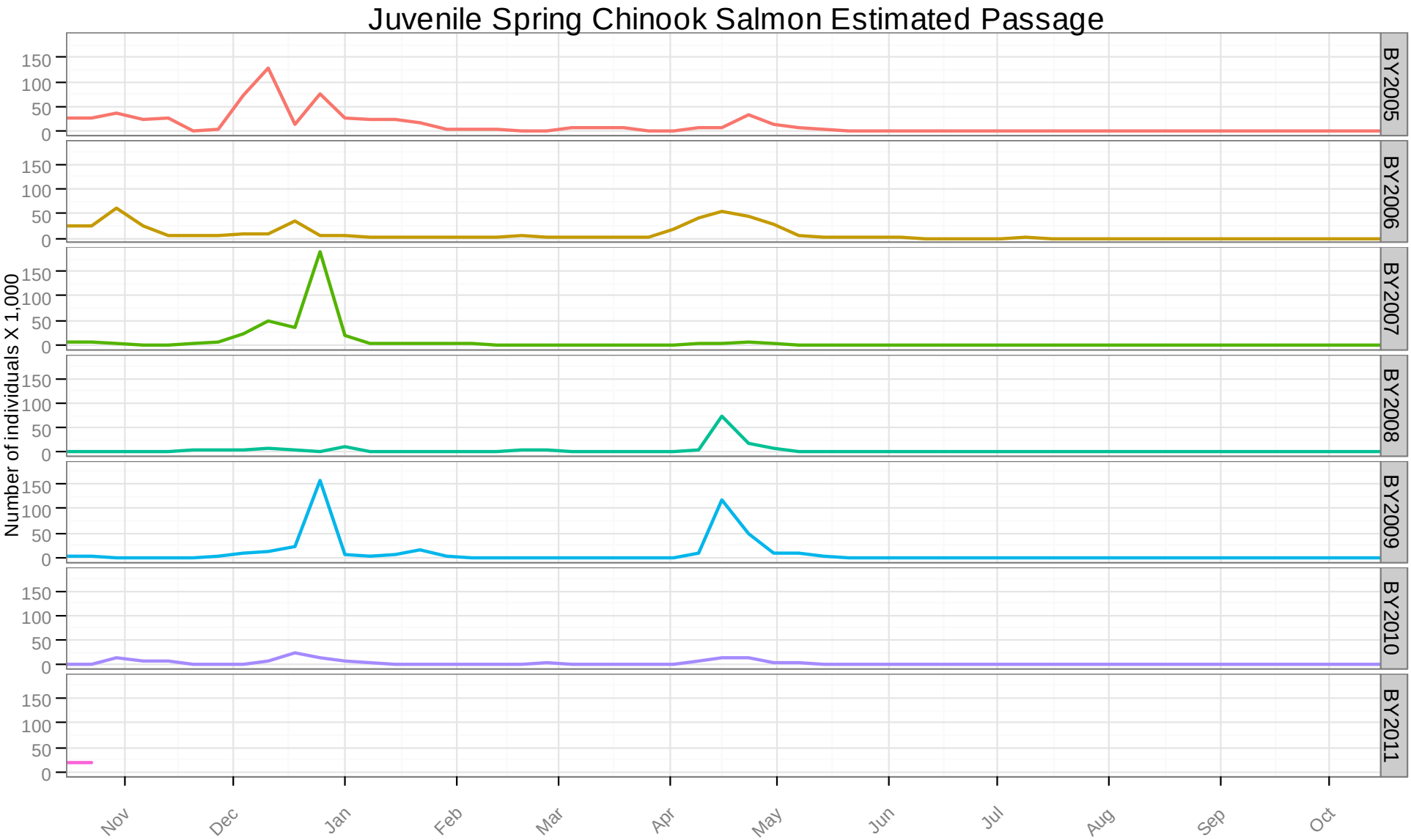

Figure 2. Weekly estimated passage of juvenile Spring Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period October 16 2005 to present .

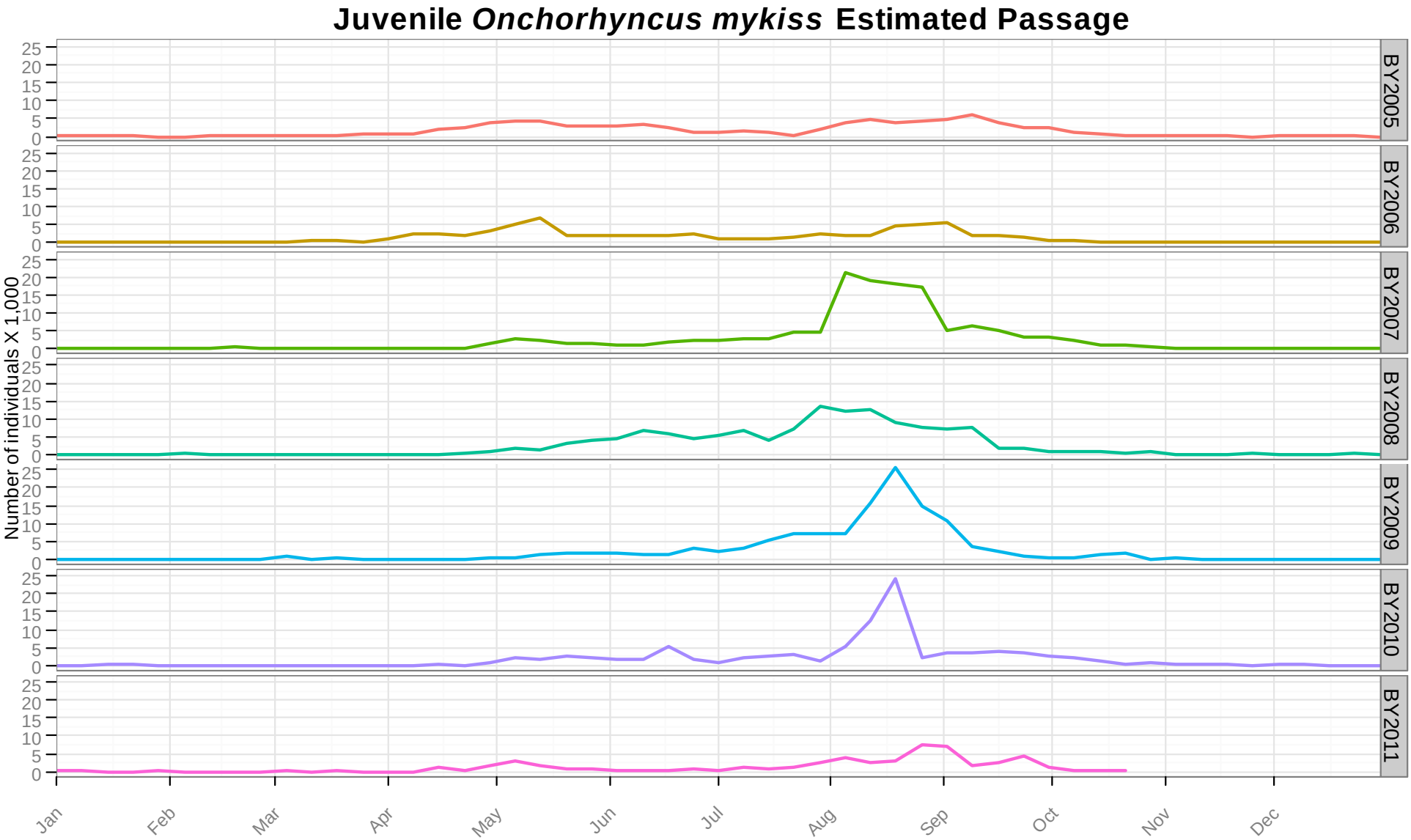

Figure 3. Weekly estimated passage of juvenile Rainbow/Steelhead trout at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period January 1 2005 to present .

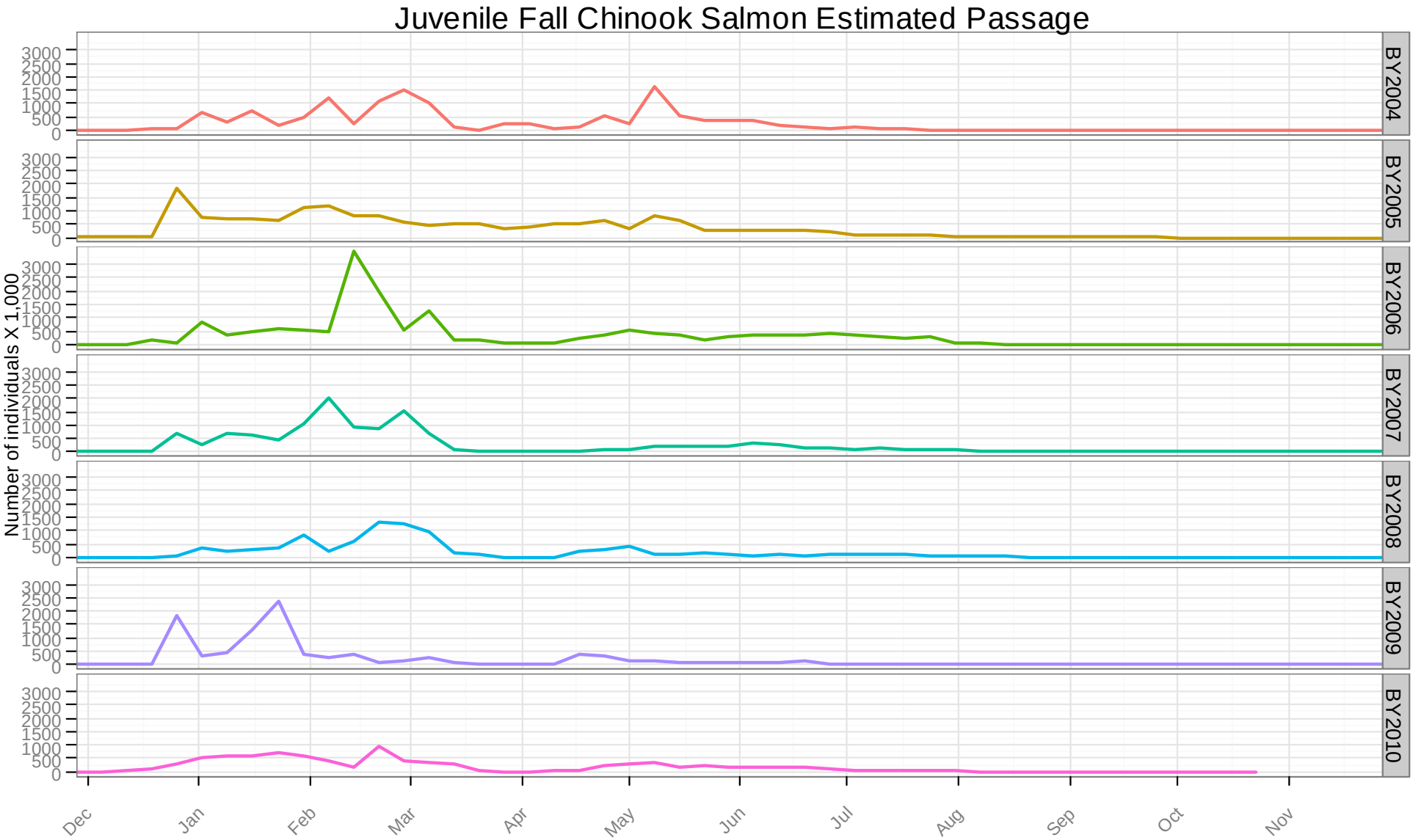

Figure 4. Weekly estimated passage of juvenile Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period December 1 2004 to present .

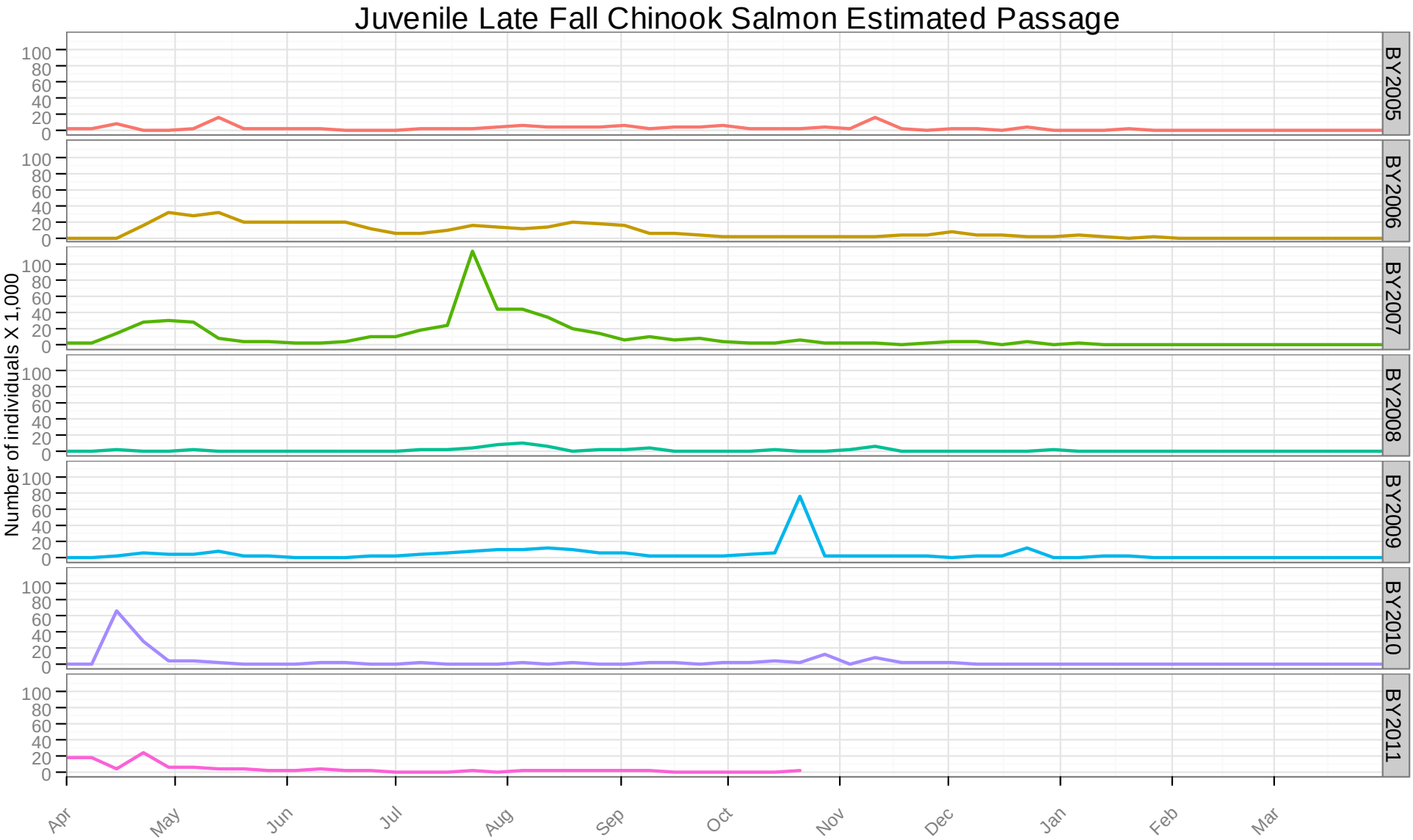

Figure 5. Weekly estimated passage of juvenile Late Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period April 1 2005 to present .

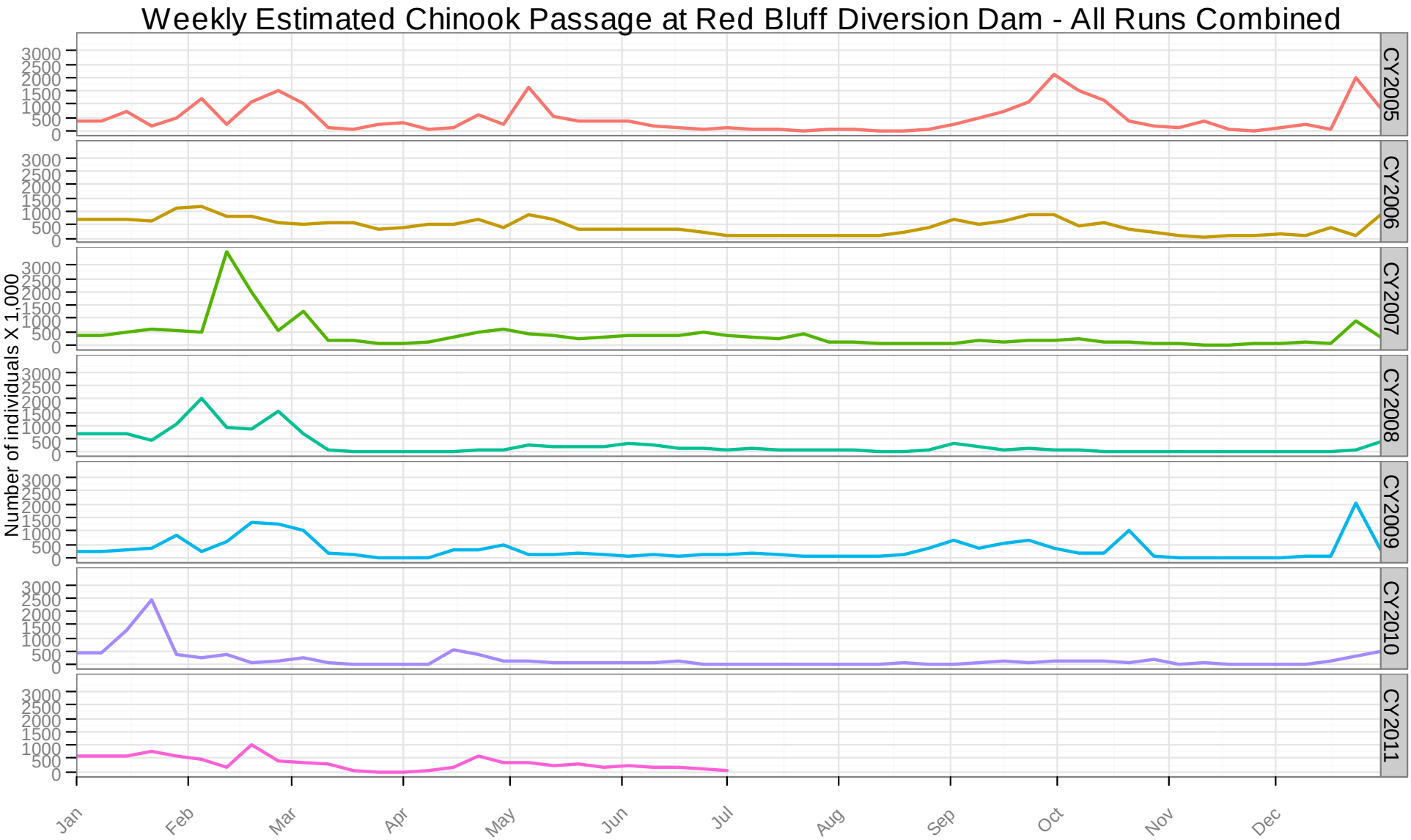

Figure 6. Weekly estimated passage of juvenile Chinook Salmon at Red Bluff Diversion Dam (RK391), by calendar year. Fish were sampled using rotary-screw traps for the period January 1 2005 to June 30 2011