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)	BY10 Winter	BY10 Spring	BY10 Fall	BY11 Late-Fall	BY11 RBT
4/23/2011	11,700	12.7	–	–	–	–	–	–
4/24/2011	11,100	12.9	–	–	–	–	–	–
4/25/2011	11,900	13.4	–	–	–	–	–	–
4/26/2011	11,400	13.1	–	–	–	–	–	–
4/27/2011	11,200	13.3	4.5	40 (128)	466 (89 – 94)	41,152 (54 – 88)	736 (31 – 39)	323 (49 – 70)
4/28/2011	10,700	13.2	4.3	0 (–)	798 (90 – 116)	48,449 (47 – 88)	944 (32 – 36)	220 (57 – 76)
4/29/2011	10,300	12.6	–	–	–	–	–	–
4/30/2011	9,000	12.7	–	–	–	–	–	–
5/1/2011	9,000	13.2	–	–	–	–	–	–
5/2/2011	8,800	13.9	–	–	–	–	–	–
5/3/2011	8,520	14.4	3.2	0 (–)	362 (93 – 105)	47,365 (51 – 87)	815 (33 – 41)	577 (57 – 73)
5/4/2011	10,200	14.5	4.3	0 (–)	298 (93 – 106)	59,173 (53 – 92)	394 (33 – 34)	452 (57 – 106)
5/5/2011	10,500	14.8	3.8	0 (–)	1,155 (93 – 121)	62,016 (51 – 92)	194 (34 – 36)	452 (54 – 71)
5/6/2011	10,500	8.8	4.6	0 (–)	320 (95 – 100)	39,574 (54 – 93)	1,210 (33 – 36)	266 (54 – 77)
Biweekly Total [2]				**140**	**8,161**	**677,830**	**10,452**	**4,961**
Biweekly Lower 90% Confidence Interval				-2,425	-26,137	-1,298,938	-31,221	-18,268
Biweekly Upper 90% Confidence Interval				2,705	42,459	2,654,598	52,125	28,190
Brood Year Total				**1,281,785**	**147,537**	**6,988,929**	**57,289**	**7,418**
Brood year Lower 90% Confidence Interval				837,358	52,236	3,928,708	5,528	802
Brood year Upper 90% Confidence Interval				1,726,212	242,838	10,049,150	109,050	14,034

[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] 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.

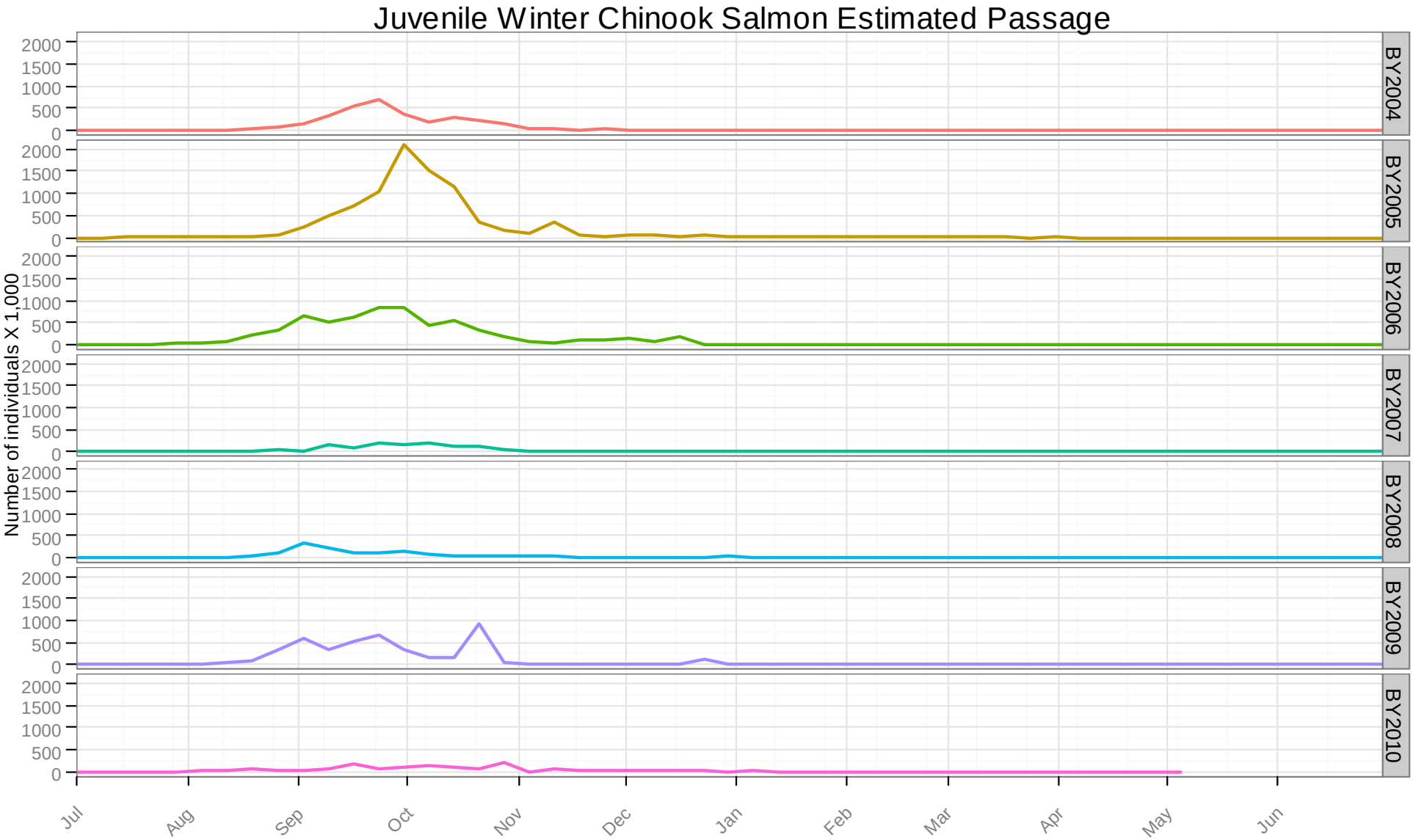

Figure 1. Weekly estimated passage of juvenile winter Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period July 1 2004 to present .

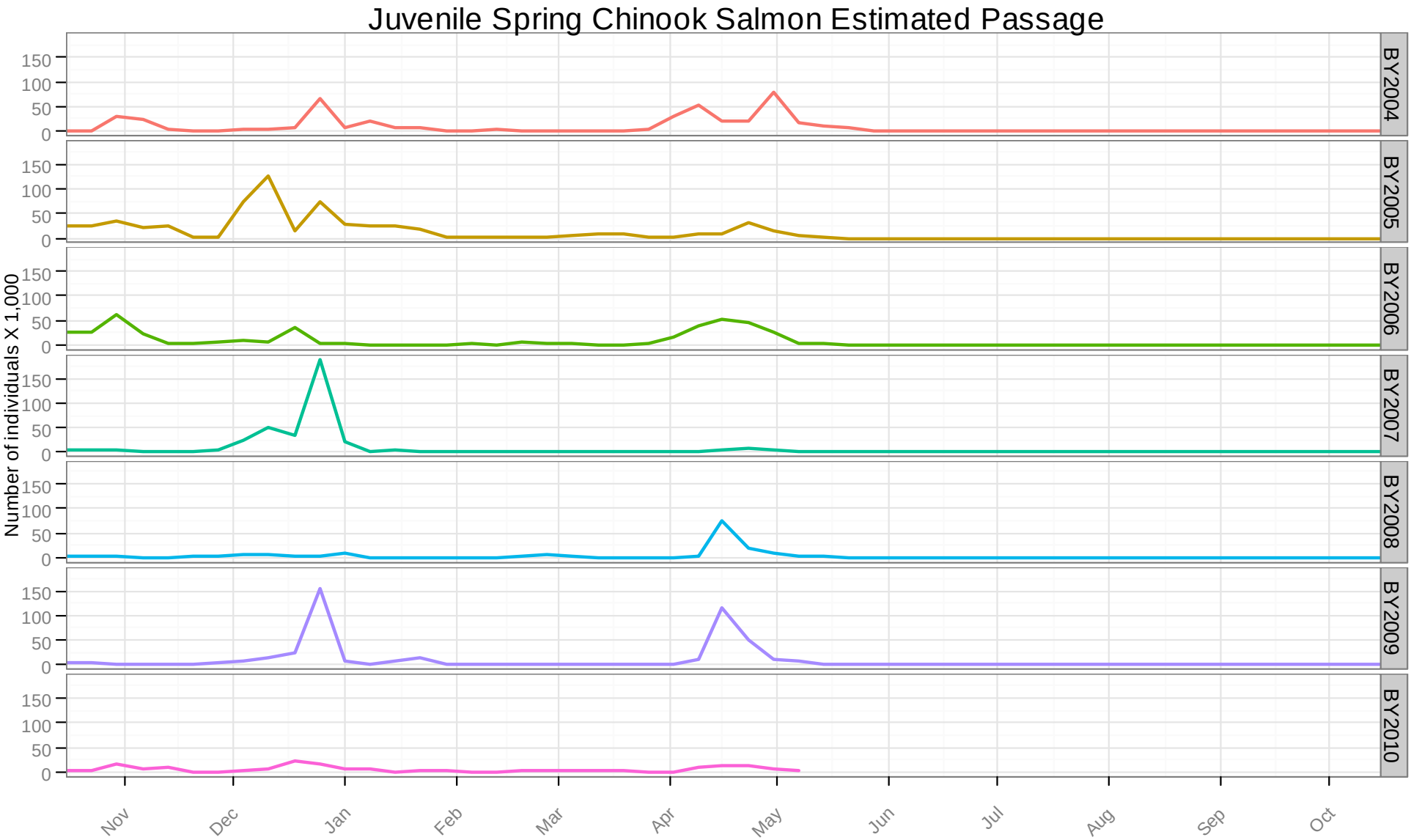

Figure 2. Weekly estimated passage of juvenile Spring Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period October 16 2004 to present .

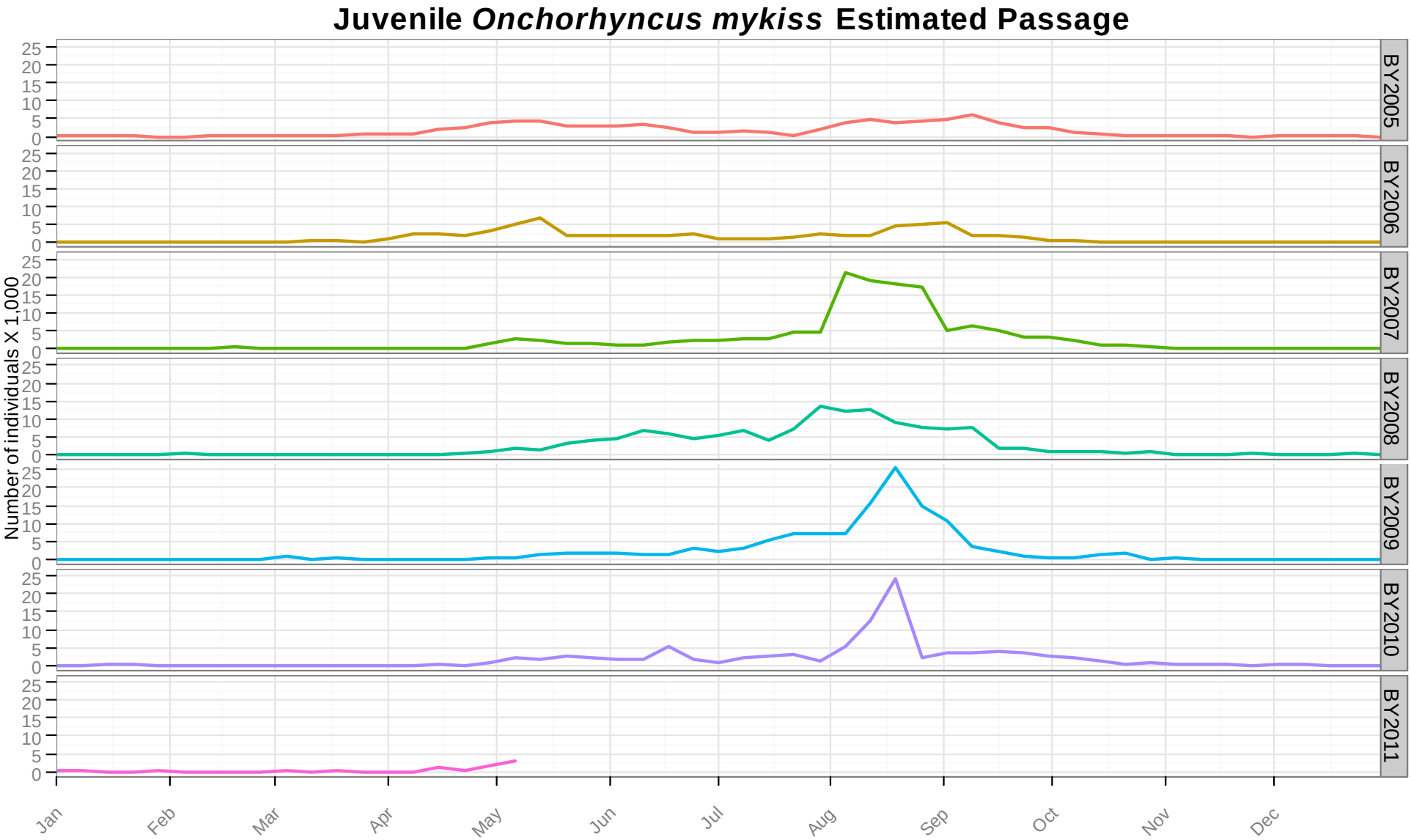

Figure 3. Weekly estimated passage of juvenile Rainbow/Steelhead trout at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period January 1 2005 to present .

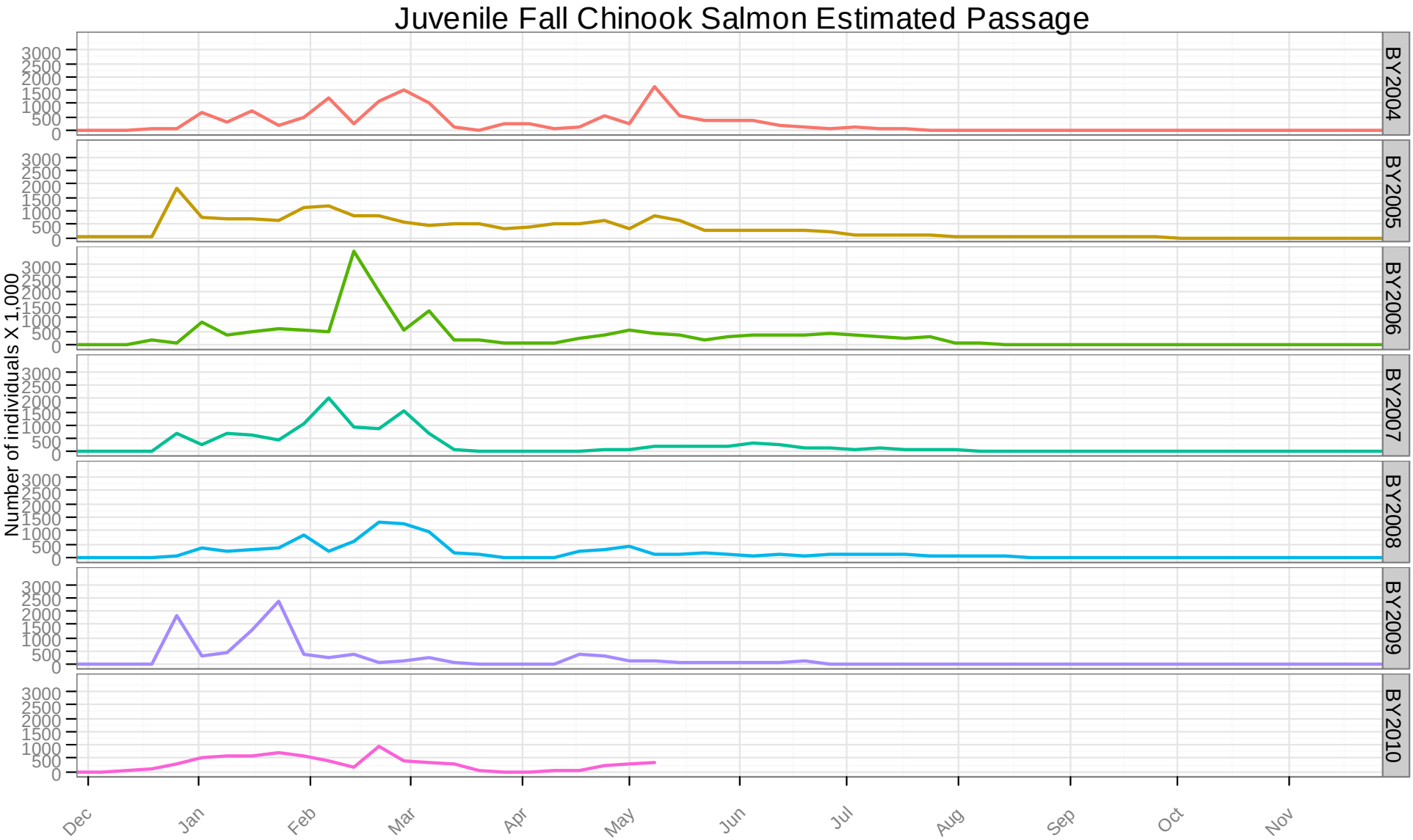

Figure 4. Weekly estimated passage of juvenile Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period December 1 2004 to present .

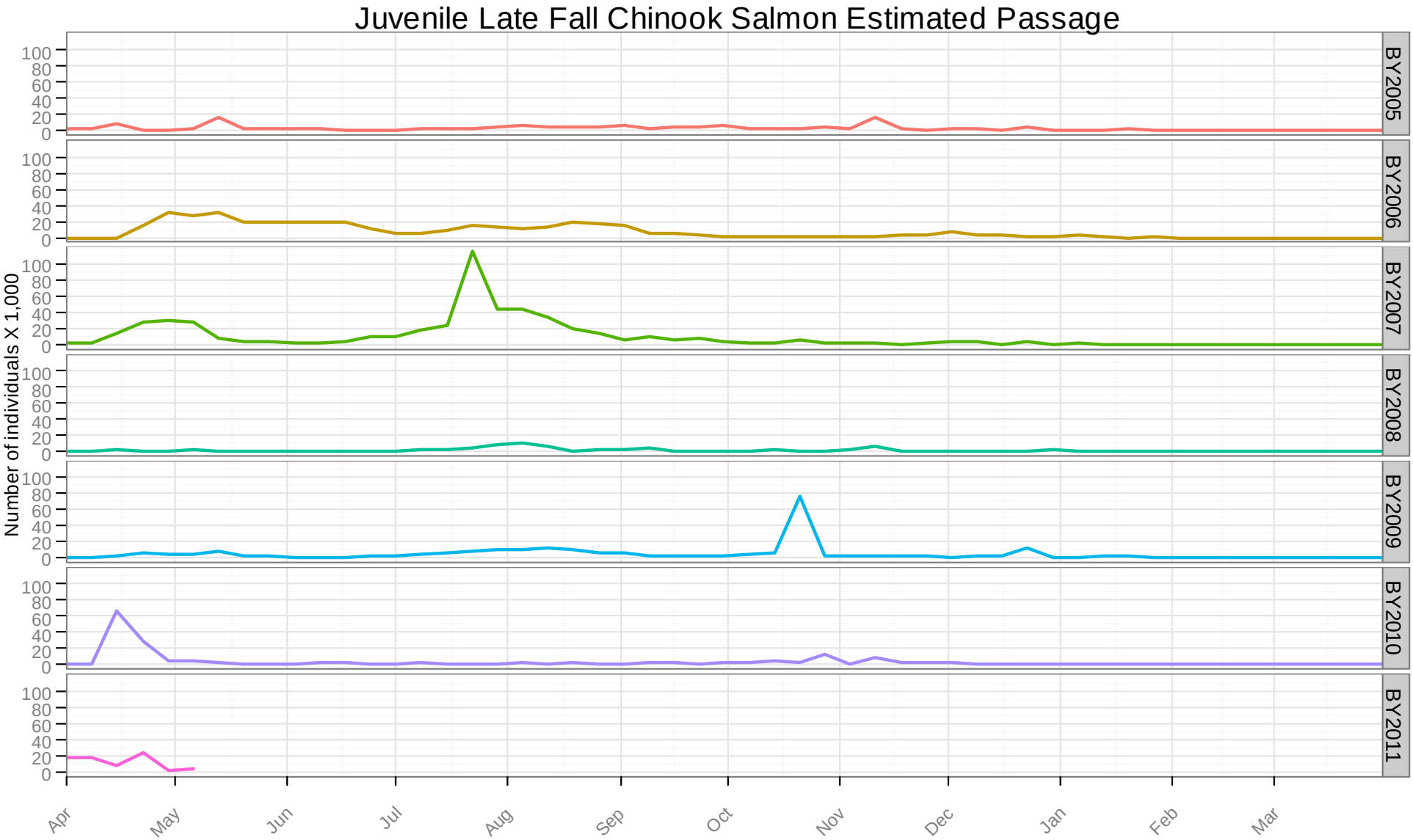

Figure 5. Weekly estimated passage of juvenile Late Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period April 1 2005 to present .

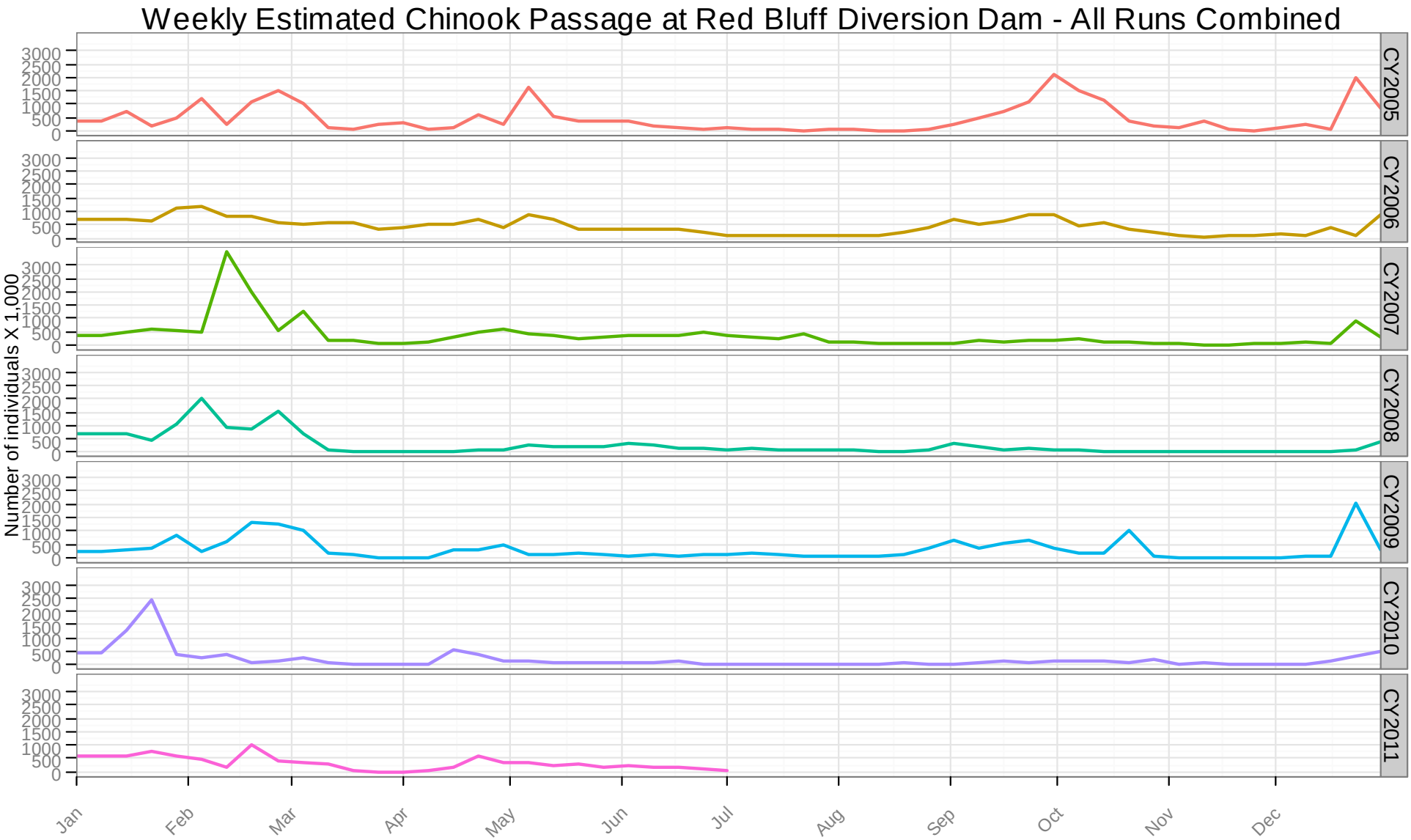

Figure 6. Weekly estimated passage of juvenile Chinook Salmon at Red Bluff Diversion Dam (RK391), by calendar year. Fish were sampled using rotary-screw traps for the period January 1 2005 to June 30 2011