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 Spring	BY11 Fall [2]	BY11 Late-Fall	BY11 RBT
11/19/2011	8,590	9.9	2.7	4,091 (44 – 84)	310 (31 – 41)	(0 – 0)	387 (85 – 125)	80 (77 – 90)
11/20/2011	8,720	10.1	–	–	–	–	–	–
11/21/2011	8,740	10.1	–	–	–	–	–	–
11/22/2011	8,700	10.6	2.4	1,362 (48 – 84)	78 (29 – 32)	(0 – 0)	193 (87 – 136)	0 (–)
11/23/2011	8,760	10.7	2.5	913 (48 – 78)	43 (43)	(0 – 0)	43 (122)	0 (–)
11/24/2011	9,490	10.8	–	–	–	–	–	–
11/25/2011	9,610	11.0	–	–	–	–	–	–
11/26/2011	9,210	10.8	3.1	7,443 (46 – 85)	444 (29 – 40)	(0 – 0)	524 (92 – 127)	0 (–)
11/27/2011	8,920	10.7	–	–	–	–	–	–
11/28/2011	8,780	10.8	2.3	1,802 (46 – 83)	481 (34 – 42)	(0 – 0)	0 (–)	0 (–)
11/29/2011	7,700	10.6	2.9	4,359 (45 – 85)	249 (33 – 36)	(0 – 0)	166 (93 – 107)	42 (90)
11/30/2011	7,640	10.4	2.2	4,577 (46 – 90)	681 (32 – 43)	(0 – 0)	217 (93 – 126)	31 (85)
12/1/2011	7,680	9.7	2.2	6,308 (47 – 91)	182 (34 – 45)	469 (31 – 33)	363 (101 – 136)	0 (–)
12/2/2011	7,640	9.7	2.0	5,836 (46 – 88)	564 (34 – 45)	108 (33)	352 (92 – 132)	70 (102 – 110)
Biweekly Total [3]				**50,233**	**4,042**	**577**	**3,347**	**355**
Biweekly Lower 90% Confidence Interval				-50,365	-9,390	4	-9,988	-3,588
Biweekly Upper 90% Confidence Interval				150,831	17,474	1,150	16,682	4,298
Brood Year Total				**765,590**	**84,470**	**577**	**92,502**	**55,651**
Brood year Lower 90% Confidence Interval				545,825	62,702	4	18,197	22,733
Brood year Upper 90% Confidence Interval				985,356	106,238	1,150	166,806	88,569

[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 12/01/11 according to length-at-date criteria (Greene 1992); brood year 2010 total was estimated 8,411,000

[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.

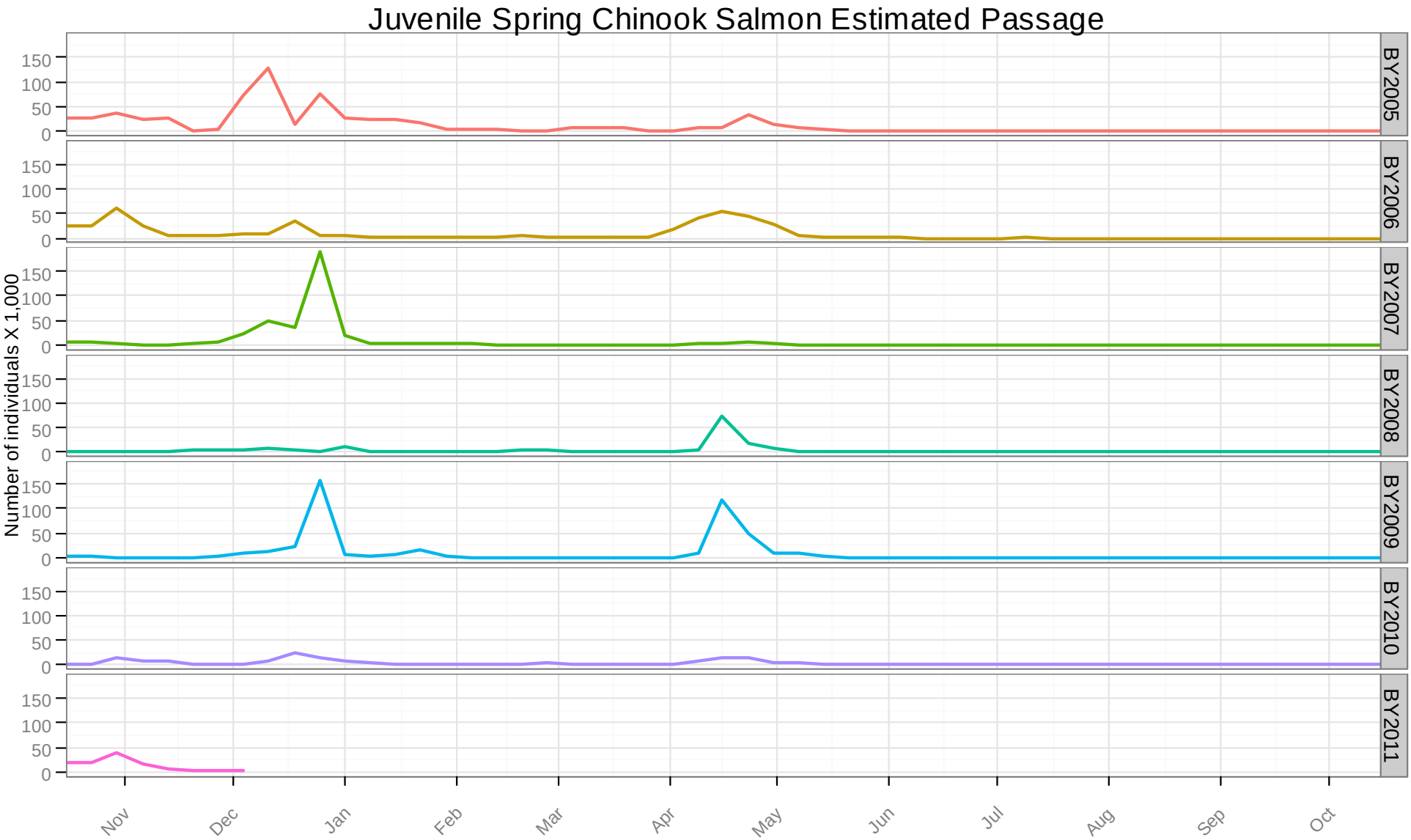

Figure 2. Weekly estimated passage of juvenile Spring Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period October 16 2005 to present .

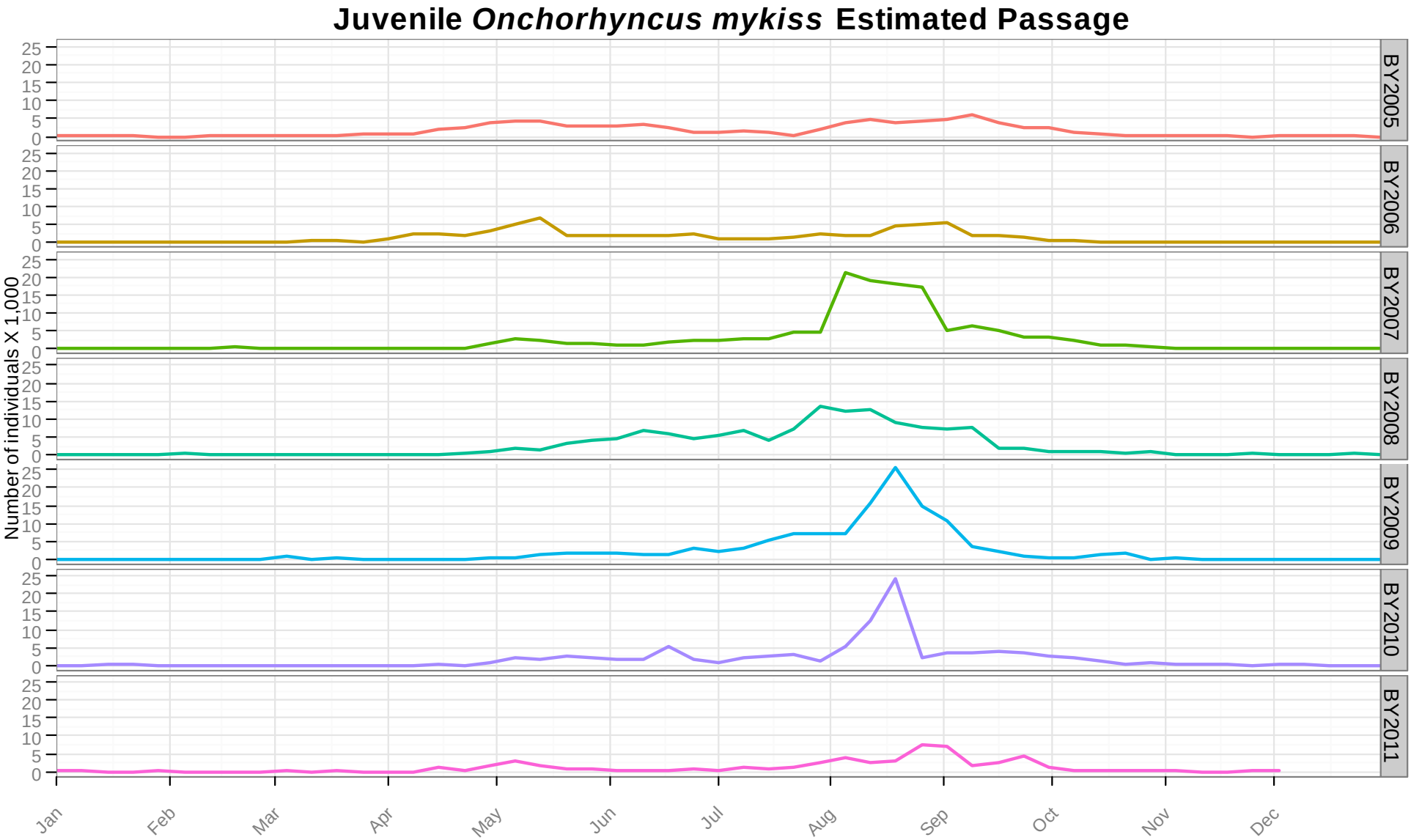

Figure 3. Weekly estimated passage of juvenile Rainbow/Steelhead trout at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period January 1 2005 to present .

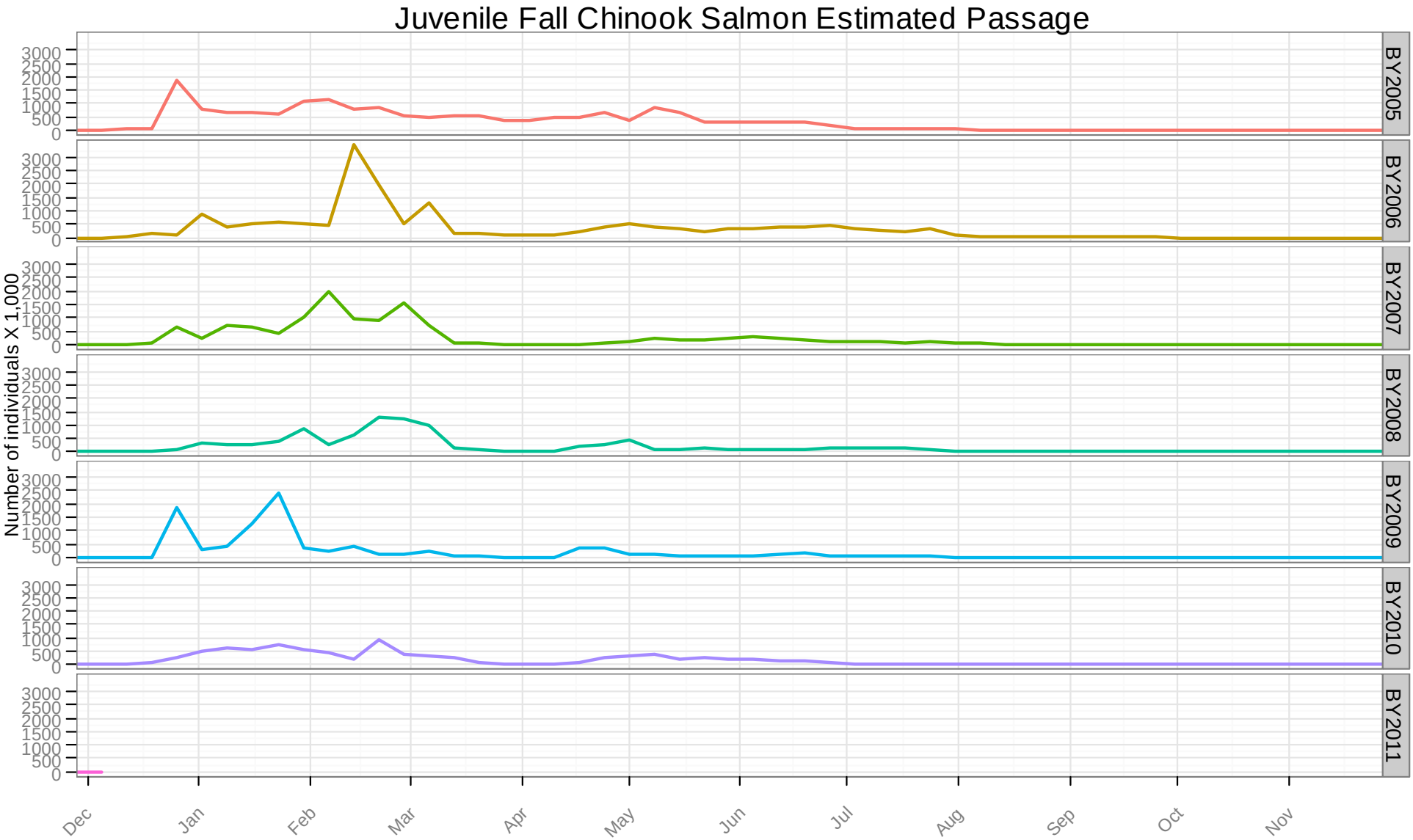

Figure 4. Weekly estimated passage of juvenile Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period December 1 2005 to present .

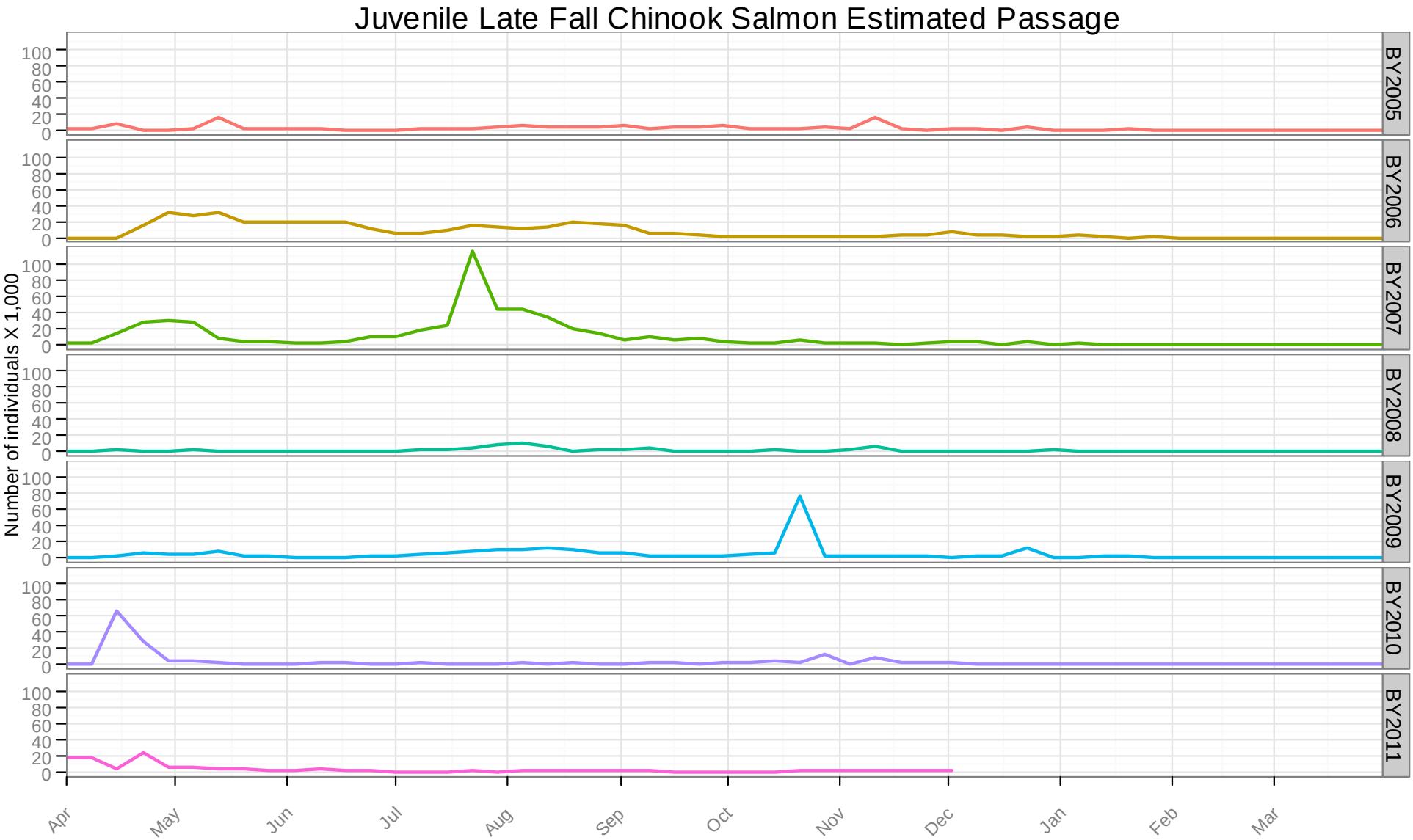

Figure 5. Weekly estimated passage of juvenile Late Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period April 1 2005 to present .

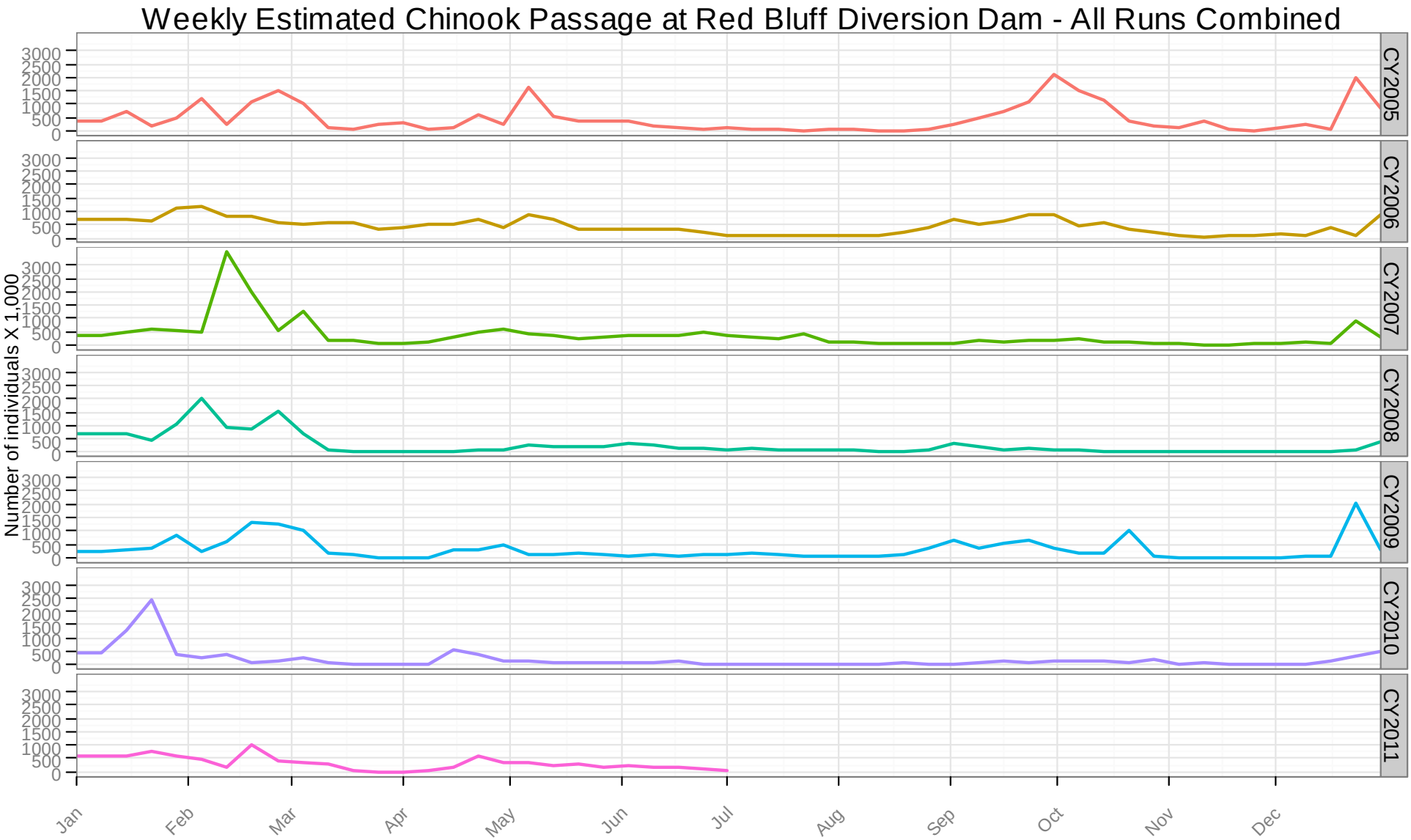

Figure 6. Weekly estimated passage of juvenile Chinook Salmon at Red Bluff Diversion Dam (RK391), by calendar year. Fish were sampled using rotary-screw traps for the period January 1 2005 to June 30 2011