

# 2017 OUT-MIGRATION REPORT, FAUNTLEROY CREEK

## Volunteer monitors Dennis Hinton and Pete Draughon with Steev Ward

### SUMMARY

Volunteer monitors documented a total of 32 coho smolts that survived their time in Fauntleroy Creek to migrate out to saltwater habitat in Fauntleroy Cove. They were distributed almost evenly between traps in the upper and lower creek. One smolt was found dead. By casual observation, smolt size appeared to be comparable to past years. Volunteers also found 237 live release fry that had washed into the traps.

Year	Monitoring Period	Live Smolts Upper	Live Smolts Lower	Dead Smolts	Smolts to Salt	Smolt Size (mm)	Live Fry Upper	Live Fry Lower	Dead Fry	Eggs to Schools*	Released Fry
2017	3/15 - 5/28	18	14	1	32		237		0	2,400	1,806
2016	3/10 - 5/27	14	5	1	19		60	0	20	2,900	1,795
2015	3/27 - 5/31	2	33	0	35		100		20	2,700	1,700
2014	3/15 - 5/31	8	11	0	19		84	0	1	3,450	2,409
2013	3/15 - 5/31	65	76	12	141			534	0	2,800	1,987
2012	3/17 - 6/7	145	85	2	157	90 -105		924	56	3,100	2,615
2011	3/25 - 5/30	147	36	0	36	---		a few	0	2,900	2,027
2010	4/1 - 5/22		24	0	24	110 - 140		81	2	2,500	2,298
2009	4/1 - 5/31		18	1	18	97 -110		1	0		1,936
2008	4/2 - 5/31		17	0	17	100 -135		85	0		1,790
2007	4/7 - 5/19		24	0	24	115 -128		20	0		2,276
2006	4/9 - 5/18		22	1	22	105 -155		121	0		2,033
2005	3/16 - 5/27		10	0	10	100 -135		34	3		1,138
2004	3/3 - 6/10		11	0	11	97 -123		569	3		1,534
2003	4/2 - 6/16		37	0	37			637	84		1,254

\*Does not include any eggs left by spawners

### METHODOLOGY

The two traps are similar: a wooden box fitted with netting and anchored below a weir such that all water flows through, softly trapping everything headed downstream. Netting over each trap proved necessary this year to ward off birds and raccoons. One trap was positioned as the creek flows out of Fauntleroy Park and the other was positioned just upstream of the fish ladder, about a half block before the creek empties into central Puget Sound. The upper trap catches smolts resulting from Salmon in the Schools releases in the park. The lower trap catches smolts that drift down or that result from natural spawning (no evidence that natural spawning occurred in 2016).

Volunteers checked each trap twice daily. As in past years, we had state permission to transport smolts from the upper trap to below the trap in the lower creek to ensure their safety. We released all smolts to continue their journey and also released fry downstream of where they were caught. To avoid trauma, we did not handle the smolts to get exact measurements.

### COMMENTS

The number of smolts this year was more than last year and similar to 2015. The first sighting was March 20, which validated mid-March installation, and the last was May 20. Heavy rains filled both traps with debris numerous times, requiring mending of the nets, and the one dead smolt appeared to have suffocated in the upper trap.

**Attachments:** Daily records of data

## 2017 Smolt and Fry Count

Date	Smolt						To Salt	Comment
	Upper		Lower		Dead			
	No.	Sum	Live		Upper	Lower		
			No.	Sum	1	0		
15-Mar	NA	NA	0	0	0	0	0	
16-Mar	NA	NA	0	0	0	0	0	
17-Mar	NA	NA	0	0	0	0	0	
18-Mar	NA	NA	0	0	0	0	0	
19-Mar	NA	NA	0	0	0	0	0	
20-Mar	NA	NA	0	0	0	0	0	
21-Mar	0	0	0	0	0	0	0	
22-Mar	0	0	0	0	0	0	0	
23-Mar	1	1	0	0	0	0	1	
24-Mar	0	1	0	0	0	0	1	
25-Mar	0	1	0	0	0	0	1	
26-Mar	0	1	0	0	0	0	1	
27-Mar	0	1	0	0	0	0	1	
28-Mar	0	1	0	0	0	0	1	
29-Mar	1	2	0	0	1	0	2	
30-Mar	0	2	0	0	0	0	2	
31-Mar	0	2	0	0	0	0	2	
1-Apr	1	3	1	1	0	0	4	
2-Apr	0	3	0	1	0	0	4	
3-Apr	0	3	0	1	0	0	4	
4-Apr	0	3	0	1	0	0	4	
5-Apr	0	3	2	3	0	0	6	
6-Apr	3	6	1	4	0	0	10	
7-Apr	1	7	2	6	0	0	13	
8-Apr	0	7	0	6	0	0	13	
9-Apr	0	7	0	6	0	0	13	
10-Apr	2	9	0	6	0	0	15	
11-Apr	0	9	0	6	0	0	15	
12-Apr	0	9	0	6	0	0	15	
13-Apr	0	9	1	7	0	0	16	
14-Apr	0	9	0	7	0	0	16	
15-Apr	0	9	0	7	0	0	16	
16-Apr	0	9	0	7	0	0	16	
17-Apr	0	9	2	9	0	0	18	
18-Apr	3	12	1	10	0	0	22	
19-Apr	0	12	0	10	0	0	22	
20-Apr	0	12	0	10	0	0	22	
21-Apr	0	12	0	10	0	0	22	



### Smolt Count to Salt Water

