

2018 OUT-MIGRATION REPORT, FAUNTLEROY CREEK

Volunteer monitors Dennis Hinton and Pete Draughon with Steev Ward

SUMMARY

Volunteer monitors documented a total of 45 coho smolts that survived their time in Fauntleroy Creek to migrate out to saltwater habitat in Fauntleroy Cove - the most since 2013. More than two-thirds were trapped in the upper creek. By casual observation, smolt size appeared to be comparable to past years. Volunteers also found 102 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
2018	3/10 - 5/31	26	19	0	45		98	4	0	2,400	1,955
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	230**	90 -105		924	56	3,100	2,615
2011	3/25 - 5/30	147	36	0	183**	---		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

**Corrected 2018

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 protected fish from 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. All smolts were from Salmon in the Schools releases in the park as we had no evidence of natural spawning by the four spawners documented in fall 2017.

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 first sighting was March 13, validating our earlier installation of traps. With the last on May 23, we were wise to leave them in through May. Fewer weak fry landed in the traps compared with last year; the lack of major rain events this spring may have contributed. With relatively mild rains, clogging of traps by debris was not an issue.

Attachments: Daily records of data

2018 SMOLT AND FRY COUNTS

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

Date	Smolt						To Salt	Fry	
	Upper		Lower		Dead			Upper	Lower
	Live		Upper	Lower					
	No.	Sum			No.	Sum			
17-Apr	1	16	1	10	0	0	26		
18-Apr	0	16	0	10	0	0	26		
19-Apr	1	17	0	10	0	0	27		
20-Apr	1	18	2	12	0	0	30		
21-Apr	2	20	0	12	0	0	32		
22-Apr	0	20	0	12	0	0	32		
23-Apr	0	20	2	14	0	0	34		
24-Apr	0	20	0	14	0	0	34		
25-Apr	0	20	0	14	0	0	34		
26-Apr	0	20	1	15	0	0	35		
27-Apr	0	20	0	15	0	0	35		
28-Apr	1	21	0	15	0	0	36		
29-Apr	0	21	0	15	0	0	36		
30-Apr	0	21	0	15	0	0	36		
1-May	0	21	0	15	0	0	36		
2-May	0	21	0	15	0	0	36		
3-May	0	21	1	16	0	0	37		
4-May	0	21	1	17	0	0	38		
5-May	0	21	0	17	0	0	38		
6-May	0	21	0	17	0	0	38		
7-May	1	22	0	17	0	0	39		
8-May	0	22	0	17	0	0	39		
9-May	0	22	0	17	0	0	39		
10-May	2	24	1	18	0	0	42		
11-May	0	24	0	18	0	0	42		
12-May	0	24	0	18	0	0	42		
13-May	0	24	1	19	0	0	43		
14-May	0	24	0	19	0	0	43		
15-May	1	25	0	19	0	0	44		
16-May	0	25	0	19	0	0	44	40	
17-May	0	25	0	19	0	0	44	22	
18-May	0	25	0	19	0	0	44	4	
19-May	0	25	0	19	0	0	44	7	
20-May	0	25	0	19	0	0	44	4	
21-May	0	25	0	19	0	0	44	6	
22-May	0	25	0	19	0	0	44	7	
23-May	1	26	0	19	0	0	45	12	

SMOLT COUNT TO SALTWATER BY DATE

	0	1	2	3	4
10-Mar	0				
11-Mar	0				
12-Mar	0				
13-Mar	0				
14-Mar	0				
15-Mar	0				
16-Mar		1			
17-Mar	0				
18-Mar		1			
19-Mar		1			
20-Mar		1			
21-Mar	0				
22-Mar		1			
23-Mar			2		
24-Mar	0				
25-Mar			2		
26-Mar	0				
27-Mar	0				
28-Mar		1			
29-Mar	0				
30-Mar			2		
31-Mar	0				
1-Apr		1			
2-Apr		1			
3-Apr			2		
4-Apr	0				
5-Apr		1			
6-Apr		1			
7-Apr	0				
8-Apr	0				
9-Apr	0				
10-Apr	0				
11-Apr		1			
12-Apr			2		
13-Apr	0				
14-Apr			2		
15-Apr		1			
16-Apr	0				
17-Apr			2		
18-Apr	0				
19-Apr		1			

20-Apr				3	
21-Apr			2		
22-Apr	0				
23-Apr			2		
24-Apr	0				
25-Apr	0				
26-Apr		1			
27-Apr	0				
28-Apr		1			
29-Apr	0				
30-Apr	0				
1-May	0				
2-May	0				
3-May		1			
4-May		1			
5-May	0				
6-May	0				
7-May		1			
8-May	0				
9-May	0				
10-May				3	
11-May	0				
12-May	0				
13-May		1			
14-May	0				
15-May		1			
16-May	0				
17-May	0				
18-May	0				
19-May	0				
20-May	0				
21-May	0				
22-May	0				
23-May		1			
24-May					
25-May					
26-May					
27-May					
28-May					
29-May					
30-May					
31-May					