

2021 OUT-MIGRATION REPORT, FAUNTLEROY CREEK

Volunteers Dennis Hinton, Pete Draughon, Steev Ward, Phil Sweetland

SUMMARY

Monitors documented 49 coho smolts that survived their year in Fauntleroy Creek to migrate to nearshore habitat in Fauntleroy Cove in central Puget Sound. Monitoring documented salmonids' making use of the entire creek system. Smolt size appeared to comparable to prior years. One smolt was found dead in the lower trap. Monitors found 88 small fry in the two traps after school releases.

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 ¹	Released Fry
2021	3/17 - 5/22	15	34	1	49	Typical	71	17	0	1,500 ²	1,061
2020	2/29 - 5/26	22	55	1	77	Typical	87	85	0	2,400	2,069
2019	3/15 - 5/26	4	18	0	22	Typical	23	5	0	2,400	2,006
2018	3/10 - 5/31	26	19	0	45	Typical	98	4	0	2,400	1,955
2017	3/15 - 5/28	18	14	1	32	Typical	237		0	2,400	1,806
2016	3/10 - 5/27	14	5	1	19	Typical	60	0	20	2,900	1,795
2015	3/27 - 5/31	2	33	0	35	Typical	100		20	2,700	1,700
2014	3/15 - 5/31	8	11	0	19	Typical	84	0	1	3,450	2,409
2013	3/15 - 5/31	65	76	12	141	Typical		534	0	2,800	1,987
2012	3/17 - 6/7	145	85	2	230 ³	90 -105		924	56	3,100	2,615
2011	3/25 - 5/30	147	36	0	183 ³	---		a few	0	2,900	2,027
2010	4/1 - 5/22	No Trap	24	0	24	110 - 140		81	2	2,500	2,298
2009	4/1 - 5/31	No Trap	18	1	18	97 -110		1	0		1,936
2008	4/2 - 5/31	No Trap	17	0	17	100 -135		85	0		1,790
2007	4/7 - 5/19	No Trap	24	0	24	115 -128		20	0		2,276
2006	4/9 - 5/18	No Trap	22	1	22	105 -155		121	0		2,033
2005	3/16 - 5/27	No Trap	10	0	10	100 -135		34	3		1,138
2004	3/3 - 6/10	No Trap	11	0	11	97 -123		569	3		1,534
2003	4/2 - 6/16	No Trap	37	0	37			637	84		1,254

¹Does not include eggs left by spawners ²Participation reduced by pandemic ³Corrected 2018

METHODOLOGY

The two traps have a wooden frame fitted with netting, anchored below a weir so all water flowed through, softly trapping everything headed downstream. Netting over each trap protected trapped fish from birds and raccoons. Steev Ward positioned one trap as the creek flows out of Fauntleroy Park and the other due upstream of the fish ladder, about a half block upstream of the creek mouth. Monitoring began two days after traps installation and continued into late May, when all smolts appeared to have left the creek. Because we had no evidence of home hatch in the lower creek in 2018 or 2019, all smolts and fry would have been from Salmon in the Schools releases.

Dennis Hinton and Pete Draughon each checked both traps daily. As in past years, we had state permission to transport smolts from the upper trap to below the lower trap to ensure their safe out-migration. We released all smolts to continue their journey and released fry downstream of where they were trapped. To avoid trauma, we did not handle the smolts to get exact measurements. Monitors documented each day's activity on a central white board, which Phil Sweetland transcribed at the end (attached tables).

COMMENTS

The first entrapment was March 24 (the same as last year) and the last was May 22 - a 9 1/2-week span compared with nine weeks last year. The heaviest activity was mid to late April, the same as last year. The start of out migration on March 24 validated our mid-March installation of traps. Spring rains were scant again this year and none was heavy enough to clog or damage traps.

DAILY DETAILS

Date	Smolt				Total	To Salt	Fry		Comment	
	Upper		Lower				Upper	Lower		
	Live								Upper	Lower
	No.	Sum	No.	Sum			0	1	PD	DH
19-Mar		0	1	1		1	1		Traps installed 3/17/2021	12:30 P
20-Mar		0		1		1	1			
21-Mar		0		1		1	1			
22-Mar		0		1		1	1			
23-Mar		0		1		1	1			
24-Mar	1	1		1		2	2			4:00 P
25-Mar		1		1		2	2			
26-Mar		1		1		2	2			
27-Mar		1		1		2	2			
28-Mar		1		1		2	2			
29-Mar		1		1		2	2			
30-Mar		1	1	2		3	3			3:30 P
31-Mar		1		2		3	3			
1-Apr		1		2		3	3			
2-Apr		1		2		3	3			
3-Apr		1		2		3	3			
4-Apr		1		2		3	3			
5-Apr		1		2		3	3			
6-Apr		1	1	3		4	4			4:00 P
7-Apr	1	2		3		5	5			4:00 P
8-Apr		2		3		5	5			
9-Apr		2		3		5	5			
10-Apr		2		3		5	5			
11-Apr	1	3		3		6	6			11:00 A
12-Apr		3	1	4		7	7			4:30 P
13-Apr	1	4		4		8	8			4:30 P
14-Apr	2	6	2	6		12	12			3:30 P
15-Apr	1	7	1	7		14	14			6:30 P
16-Apr		7		7		14	14			
17-Apr		7	2	9		16	16			5:00 P
18-Apr	1	8	1	10		18	18		11:00 A	5:00 P
19-Apr		8	4	14		22	22			5:00 P
20-Apr		8	2	16		24	24		10:00 A	5:00 P
21-Apr		8		16		24	24			
22-Apr		8	1	17		25	25		9:00 A	
23-Apr		8	1	18		26	26		11:00 A	
24-Apr	1	9		18		27	27		11:00 A	
25-Apr		9	5	23		32	32		11:00 A	6:30 P
26-Apr		9	2	25		34	34			5:00 P
27-Apr		9		25		34	34			
28-Apr		9	2	27		36	36		10:00 A	4:50 P
29-Apr		9	1	28		37	37			3:00 P
30-Apr	1	10	3	31		41	41			4:30 P
1-May		10		31		41	41			
2-May	3	13		31		44	44			5:00 P
3-May		13		31		44	44			
4-May		13		31		44	44			
5-May		13		31		44	44			
6-May		13		31		44	44			
7-May		13	1	32		45	45			4:00 P
8-May		13		32		45	45			
9-May		13		32		45	45	5		
10-May		13		32		45	45			
11-May		13	1	33		46	46			4:00 P
12-May		13		33	1	47	46			
13-May	1	14		33		48	47	2		3:00 P
14-May		14		33		48	47			
15-May		14		33		48	47	2		
16-May	1	15		33		49	48	4	1	11:00 A
17-May		15		33		49	48	2		
18-May		15		33		49	48	3		
19-May		15		33		49	48	1		
20-May		15		33		49	48	6		
21-May		15		33		49	48	16	6	
22-May		15	1	34		50	49	30	10	1:30 P
TOTAL FRY: 88							71	17		

TOTAL SMOLTS TO SALTWATER BY DAY

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