

2020 OUT-MIGRATION REPORT, FAUNTLEROY CREEK

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

SUMMARY

Monitors documented 77 coho smolts - the highest number in seven years - that survived their year in Fauntleroy Creek to migrate to nearshore habitat in Fauntleroy Cove in central Puget Sound. Unlike last year when only 4 came out of Fauntleroy Park, this year's monitoring documented salmonids' making use of the entire system without any apparent blockages. Smolt size was comparable to prior years. One smolt was found dead in the lower trap, likely smothered by debris during an overnight rain. Monitors found 87 fry in the upper trap and 85 in the lower trap, all presumed to have been released fish.

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
2020	2/29 - 5/26	22	55	1	77		87	85	0	2,400	2,069
2019	3/15 - 5/26	4	18	0	22		23	5	0	2,400	2,006
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 eggs left by spawners

**Corrected 2018

METHODOLOGY

The two traps are similar: a wooden frame fitted with netting and anchored below a weir so all water flowed through, softly trapping everything headed downstream. Netting over each trap protected 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 east of the creek mouth. Monitoring began the day after traps were installed and continued into May until a full week without finding any smolts. Because we had no evidence of home hatch in the lower creek in either 2017 or 2018, all smolts and fry would have been from Salmon in the Schools releases.

Although not always noted, 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 trap in the lower creek to ensure their safety. We released all smolts to continue their out migration 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 trap inspection on a central white board, which Phil Sweetland transcribed at the end (attached tables).

COMMENTS

The first entrapment was March 24 and the last was May 17 - a nine-week span compared with about six weeks last year. The start of out migration on March 24 suggests that traps might go in about March 10. Major spring rains were scant again this year, making clogged or damaged traps a minor occurrence.

DAILY DETAILS

Date	Smolt				Total	To Salt	Fry		Comment			
	Upper		Lower				Upper 0	Lower 1	Upper	Lower	PD	DH
	No.	Sum	No.	Sum								
29-Feb		0		0	0	0				Traps installed		
1-Mar		0		0	0	0						
2-Mar		0		0	0	0						
3-Mar		0		0	0	0						
4-Mar		0		0	0	0						
5-Mar		0		0	0	0						
6-Mar		0		0	0	0						
7-Mar		0		0	0	0						
8-Mar		0		0	0	0						
9-Mar		0		0	0	0						
10-Mar		0		0	0	0						
11-Mar		0		0	0	0						
12-Mar		0		0	0	0						
13-Mar		0		0	0	0						
14-Mar		0		0	0	0						
15-Mar		0		0	0	0						
16-Mar		0		0	0	0						
17-Mar		0		0	0	0						
18-Mar		0		0	0	0						
19-Mar		0		0	0	0						
20-Mar		0		0	0	0						
21-Mar		0		0	0	0						
22-Mar		0		0	0	0						
23-Mar		0		0	0	0						
24-Mar	1	1		0	1	1						4:00 P
25-Mar		1	1	1	2	2				2:00 P		
26-Mar		1		1	2	2						
27-Mar		1		1	2	2						
28-Mar		1		1	2	2						
29-Mar		1	1	2	3	3						5:00 P
30-Mar		1		2	3	3						
31-Mar	1	2		2	4	4				9:30 A		
1-Apr		2		2	4	4						
2-Apr		2		2	4	4						
3-Apr	1	3		2	5	5				10:00 A		
4-Apr		3	1	3	6	6				10:00 A		
5-Apr		3	1	4	7	7						4:00 P
6-Apr		3	2	6	9	9				10:00 A		
7-Apr		3		6	9	9						
8-Apr	1	4	1	7	11	11						4:00 P
9-Apr		4		7	11	11						
10-Apr	1	5		7	12	12						4:00 P
11-Apr		5	1	8	13	13						
12-Apr	1	6	1	9	15	15				11:00 A		
13-Apr		6		9	15	15						
14-Apr		6		9	15	15						
15-Apr		6	1	10	16	16				11:00 A		
16-Apr	2	8		10	18	18				9:00 A		4:00 P
17-Apr		8	1	11	19	19						4:00 P
18-Apr		8	2	13	21	21				11:00 A		4:00 P
19-Apr	2	10	3	16	26	26				9:00 A		5:00 P
20-Apr		10		16	26	26						
21-Apr	1	11	1	17	28	28						5:00 P
22-Apr	1	12	2	19	31	31				10:00 A		5:00 P
23-Apr	1	13		19	33	32				10:00 A		5:00 P
24-Apr		13	3	22	36	35				10:00 A		4:00 P
25-Apr	1	14	1	23	38	37				11:00 A		5:00 P
26-Apr		14	6	29	44	43				10:00 A		
27-Apr	3	17	2	31	49	48				10:00 A		5:00 P
28-Apr	2	19		31	51	50						4:00 P
29-Apr		19	4	35	55	54						12 & 5 P
30-Apr		19	2	37	57	56				12:00 P		
1-May	1	20	2	39	60	59				12:00 P		5:00 P
2-May	1	21	4	43	65	64				12:00 P		5:00 P
3-May		21	1	44	66	65						12 & 5 P
4-May		21		44	66	65						5:00 P
5-May		21	1	45	67	66				10:00 A		
6-May	1	22		45	68	67	1	1				5:00 P
7-May		22	1	46	69	68	1	1		10:00 A		5:00 P
8-May		22	5	51	74	73				9:00 A		4:30 P
9-May		22		51	74	73						
10-May		22		51	74	73						
11-May		22	1	52	75	74						
12-May		22	1	53	76	75						
13-May		22	2	55	78	77						
14-May		22		55	78	77						5:30 P
15-May		22		55	78	77	10	5		24		5:00 P
16-May		22		55	78	77						
17-May		22		55	77	77						5:00 P
18-May		22		55	77	77	1	12				
19-May		22		55	77	77		22				
20-May		22		55	77	77	28	22				
21-May		22		55	77	77	22	10				

TOTAL SMOLTS TO SALTWATER BY DAY

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