

**North Coast (Derek Wiley, Assistant Project Leader):**

EF Trask: Adult trapping slowed this week, with only 2 wild winter steelhead captured at the adult trap since our last update. We still continue to observe steelhead holding downstream of the dam, but it is unclear how many of these fish are waiting to move upstream past the dam and how many are downstream migrating kelts. With very little rain in the forecast and continuing low flows, it will be interesting to see how many fish we trap over the remainder of this month. A total of 14 new steelhead redds were marked upstream of the dam this week, but counts should drop during our next round of surveys with less fish passed at the adult trap this week.

Catch at the screw trap increased over the weekend, with daily catches of 67 coho smolts, 38 steelhead smolts, and 77 mixed size cutthroat trout occurring at the trap. However, catch decreased significantly by Thursday. Our coho smolt out-migrant estimate through 5/8 (1,415 smolts, shown below) remains well below the average observed over the last 5 years (4,785 smolts). The good news is that coho smolt outmigration typically peaks at this site in May, so we still have several weeks of outmigration to go. But as mentioned last week, we will need big numbers to even approach estimates observed in recent years.

Juvenile out-migrant population estimates for the EF Trask River basin through 5/8/16. Numbers in parentheses indicate extrapolated catch due to insufficient recaptures.

	Species	Size Class	Caught	Marked	Recap	Estimate	95% CI	Efficiency		Fork Length	
								Weighted	Overall	Peak	Season
<b>EF Trask</b>	Coho	Fry	999	785	40	26,376	14,063	4.68%	5.10%	40.12	39.99
	Coho	Smolt	567	453	172	1,415	188	40.94%	37.97%	113.08	103.72
	Chinook	Fry	2,471	1,463	61	69,207	17,991	4.08%	4.17%	42.72	44.54
	Chinook	Fingerling	104	98	20	476	212	22.71%	20.41%	64.88	63.85
	Steelhead	60-89mm	7	7	0	(9)			0.00%		79.29
	Steelhead	90-119mm	11	11	1	(13)			9.09%		105.55
	Steelhead	Smolt	389	387	36	3,860	1,237	10.26%	9.30%	180.92	183.53
	Cutthroat	60-89mm	2	2	0	(2)			0.00%		82.00
	Cutthroat	90-119mm	51	50	5	(52)			10.00%		107.41
	Cutthroat	120-159mm	300	258	30	2,426	864	12.69%	11.63%	142.36	139.54
	Cutthroat	160-249mm	120	120	9	(120)			7.50%		174.10
	Cutthroat	250mm				(3)					357.67

NF Nehalem: The last winter steelhead of this year's run continue to trickle into the NF Nehalem, with 5 new fish captured at the Waterhouse Falls trap this week. Redd surveys show spawning activity dropping off in the basin, with nearly all remaining activity occurring in mainstem reaches. Daily catch of coho smolts at the lower screw trap has been variable, ranging from 92-239 smolts caught per day with only fair trap efficiency due to a new split in the current observed this year with the low water. Coho smolt daily catch at the upper screw trap for the week was consistent at about 200 smolts caught per day with high trap efficiency. Chinook fry and fingerlings continue to be caught at both traps with high trap efficiency.

Juvenile out-migrant population estimates for the NF Nehalem River total basin (upstream of Waterhouse Falls) and upper basin (upstream of Fall Cr Falls) through 5/8/16. Numbers in parentheses indicate extrapolated catch due to insufficient recaptures.

	Species	Size Class	Caught	Marked	Recap	Estimate	95% CI	Efficiency		Fork Length	
								Weighted	Overall	Peak	Season
<b>Total Basin</b>	Coho	Fry	121	110	8	(160)			7.27%		43.48
	Coho	Smolt	6,101	1,189	443	16,202	1,488	38.35%	37.26%	106.80	103.25
	Chinook	Fry	2,451	1,370	215	64,747	80,415	4.73%	15.69%	42.40	46.48
	Chinook	Fingerling	1,400	606	181	4,492	578	31.33%	29.87%	64.52	63.51
	Steelhead	60-89mm	10	9	0	(14)			0.00%		76.60
	Steelhead	90-119mm	20	19	2	(20)			10.53%		101.25
	Steelhead	Smolt	378	364	52	2,663	661	14.37%	14.29%	173.68	171.26
	Cutthroat	60-89mm	2	1	0	(4)			0.00%		81.00
	Cutthroat	90-119mm	40	40	4	(42)			10.00%		108.05
	Cutthroat	120-159mm	205	204	25	1,816	794	12.13%	12.25%	140.96	137.90
	Cutthroat	160-249mm	59	59	7	(59)			11.86%		177.17
	Cutthroat	250mm				(5)					303.80

Upper Basin	Species	Size Class	Caught	Marked	Recap	Estimate	95% CI	Efficiency		Fork Length	
								Weighted	Overall	Peak	Season
	Coho	Fry	216	208	30	2,272	1,446	12.72%	14.42%	37.24	44.68
	Coho	Smolt	5,865	1,014	393	14,329	1,272	41.41%	38.76%	102.08	103.10
	Chinook	Fry	845	781	263	6,595	4,098	13.47%	33.67%	42.48	47.71
	Chinook	Fingerling	404	386	248	609	1,070	68.50%	64.25%	61.48	62.22
	Steelhead	60-89mm	2	2	0	(2)			0.00%		80.50
	Steelhead	90-119mm	35	35	3	(35)			8.57%		106.31
	Steelhead	Smolt	159	159	15	1,851	982	9.17%	9.43%	145.28	159.34
	Cutthroat	60-89mm	1	1	0	(1)			0.00%		88.00
	Cutthroat	90-119mm	18	18	4	(18)			22.22%		108.11
	Cutthroat	120-159mm	124	122	15	1,055	578	12.39%	12.30%	136.48	138.98
Cutthroat	160-249mm	17	17	2	(17)			11.76%		180.18	
Cutthroat	250mm				(1)					255.00	

**N Scappoose (Ron Constable, Assistant Project Leader):**

I was another week of dry weather and low flow on N Scappoose Creek. The screw trap is still spinning, but barely. RPMs were down near 3 toward the end of the week. We are catching fish though. This week we may have seen peak counts and we have had very good recapture rates. The table below summarizes our efforts so far This season and gives a rough (very rough) estimate of the abundances this year:

Species	Age Class	# Caught	# Marked	# Recaptured	Rough Trap Eff.	Rough Est.
Coho	Fry	43	42	1	2.4%	1806
Coho	Smolt	445	318	150	47.2%	943
Cutt	>120mm	111	110	38	34.5%	321
Sthd	Smolt	77	76	25	32.9%	234

Our adult trap has been quiet for a very long time and will be decommissioned next week.

**Chum Reintroduction (Brian Alfonse, Assistant Project Leader):**

The warm and dry weather this week has allowed most of the streams on the lower Columbia to reach unseasonably low flows. These conditions have made trapping difficult in several of the streams we monitor. Out of our four traps only the Clatskanie River and Stewart Creek traps operated consistently throughout the week. With no new salmonids being captured in several weeks at Stewart Creek we plan on removing the trap at this site next week.

Clatskanie River: With consistent trap operation throughout the week, Coho smolt numbers continued to increase. Average daily catch for Coho smolts is now up to 161 smolts with a trap efficiency (TE) of 11%. Steelhead numbers were slightly lower this week with a daily average of 9, but trap efficiency increased to 13%.

Beaver Creek: Despite our best attempts at keeping this trap operating, we only had one full day of trapping this week. Even after digging out the hole under the cone and installing wood panels upstream of the trap, there is still not enough flow to make the cone turn. Our only other options are to either install a motor on this trap or remove it for the season.

Conyers Creek: Issues with our trap motor alignment caused it to keep kicking the chain off and lead to several partial trapping days. This inconsistent trap operation greatly reduced our overall catch for the week. With these motor issues resolved we hope to catch more fish next week.

	Chum	Coho		Chinook	Steelhead			Cutthroat					Trout
	Fry	Fry	Smolt	Fry	<90	90-119	≥120	<90	90-119	120-159	160-249	≥250	Fry
<b>Weekly Catch as of : May 11, 2016</b>													
Clatskanie River (screw trap)			1128				69			3	66	1	4
Conyers Creek (screw trap)		1	1				1			1	1		
Stewart Creek (fry trap)													
Beaver Creek (screw trap)			6				1			1			1
<b>Season Catch Totals</b>													
Clatskanie River (screw trap)		38	2494			2	250	2	2	20	170	10	114
Conyers Creek (screw trap)		239	220	1		13	72	3	30	34	34	2	6
Stewart Creek (fry trap)	122	1,954	15			1	1	1	12	3			
Beaver Creek (screw trap)		6	394	7			54			3	10	2	12

### **Mid-South Coast (Pat Burns, Assistant Project Leader)**

West Fork Smith: The adult trapping has come to an end for this season with the weir panels removed from the river yesterday. We ended this season with a total of 333 adult steelhead tagged (187 females and 146 males). This was our third highest number of tagged adults since the projects beginning (range 87-401). Trap efficiency was exceptional this year at 84% far exceeding the project average of 49%. QA/QC of the spawning survey data needs to be completed for the final wild spawner estimate but the preliminary estimate indicates 386 wild spawners. This estimate would be below the project average of 430 wild spawners (range 241-830).

The smolt trap continues to fish well although stream flows are dropping fast and measures will be taken to get more flow through the cone. The thought of the dreaded "M" word has now entered my sub-consciousness. The catch rate dropped by half of last week's numbers averaging 150 smolts/day but trap efficiency remains similar at 30%. The catch for steelhead and cutthroat trout of all sizes remains low.

Winchester Creek: The trap motor/reducer was repaired and fished for the entire week. The daily catch has been up and down with days where we would catch two or three coho smolts and days where we would catch a dozen. We continue to catch the occasional cutthroat trout but those numbers have been low all year.

### **Mid Coast (Adrian Gonzalez, Crew Leader):**

Coho numbers at Siletz-Mill have been coming down this week, after a big push of fish in the last three weeks. The water level is starting to get low and the trap is spinning around 4 rpms. Last Monday Wes and myself installed the ramp and since then have seen an increase in our recaps (from 45% to 66%). This trend seems to be holding with the lower water. Yaquina-Mill has started to see an increase in the number of fish moving out, although the numbers have remained lower than 30 new fish a day. The reservoir temperature is rising and we are seeing the effects. I had a Coho smolt that was 215mm long; I almost mistook it for a cutthroat. With the trap all buttoned up the recap rate has increased and Wes and I took some time Thursday to lower the trap and tweak the ramp for increased performance.

Cascade creek is still running smooth. We were able to keep the trap spinning on stream power with Bill's ingenuity till Wednesday. Now the unfortunate battery swap begins there. Even with the trap spinning at near snail speed, it has averaged 85% efficiency. Bill has this bad boy dialed in! Tenmile Creek Coho numbers have remained around 100 all week, while the Steelhead numbers have started to drop down around 40. Installing the ramp at Tenmile Creek has improved the recap rate of Coho a lot. Steelhead recaps have also improved marginally.

The Lobster Creek traps have been slowing down a lot this week. Richard had his first Coho smolt 0 count at East Fork. The fry numbers have also decreased a lot at both traps. We are still seeing decent numbers of Cutthroat at both trap sites, it's looking like the season is winding down. East fork is fishing around 50% for Coho smolts and 28% for Coho fry. Upper Main is fishing around 50% for Coho smolts and slightly above 30% for fry.