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Chum Reintroduction (Brian Alfonse, Assistant Project Leader):

The Conyers Creek and Beaver Creek traps operated intermittently throughout the week due to continued issues with our batteries not holding a full charge. However, on the days we have been able to run these traps throughout the night we have caught very few fish. At Clatskanie the total weekly catch for Coho smolts, Steelhead, and cutthroat trout were all down from last week. Our trap efficiency for Coho smolts was slightly up this week at 12% compared to the 7% we had last week. On Wednesday we caught 636 peamouth at our Clatskanie trap, which was one of our largest daily catches every recorded at this trap. These fish are making their way up the river to spawn and can be seen in large school in the shallow clear water. One of these schools of peamouth has also been seen swimming in the pools downstream of our Beaver Creek trap.

	Chum Fry	Coho		Chinook Fry	Steelhead			Cutthroat					Trout Fry
		Fry	Smolt		<90	90-119	≥120	<90	90-119	120-159	160-249	≥250	
Weekly Catch as of : May 26, 2016													
Clatskanie River (screw trap)			455			1	27			3	67		3
Conyers Creek (screw trap)											1		
Stewart Creek (fry trap)													
Beaver Creek (screw trap)													
Season Catch Totals													
Clatskanie River (screw trap)		39	3693			3	325	2	2	29	306	10	121
Conyers Creek (screw trap)		239	223	1		13	72	3	30	43	35	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 (Stephen Staiger, Field Technician)

West Fork Smith: With low flows in the WFS we have installed plywood structures to direct the flows into the cone of the smolt trap to keep the RPMs high. With the adult trap decommissioned our efforts have been focused on keeping the smolt trap going before we have to motorize it. The little rain that we received the last few days was helpful with keeping the cone spinning. There is some good news with low flows, our trap efficiency has improved! The catch of coho smolts this past week averaged 60/day with a trap efficiency around 52%. With the exception of chinook fry, catch for all size classes of salmonids remain low, however we are starting to see more trout and coho fry this week. We are continuing spawning ground surveys but have not recorded spawning activity for the last three weeks for steelhead. We still have been seeing high numbers of brook lamprey redds along with moderate numbers of Pacific lamprey redds on the mainstem surveys.

Winchester Creek: The motorized trap continues to fish although the catch of coho smolts continues to be low. The average catch of coho smolts this past week was 2/day. Flows in the basin are very low which may make fishing the trap at lower tides problematic. We will keep an eye on the level of the stream at lower tides in regards to the cone and any contact with the mud bottom.

Mid Coast (Adrian Gonzalez, Crew Leader):

Siletz-Mill has seen a dramatic drop in fish this week. The forecasted weather didn't produce much rain, but it did get a few more fish on the move. However, we had to remove the ramp from Siletz last week so the trap hasn't been fishing great. We've seen recaps of 16, 17 and then 1. Thursday Wes and I reinstalled the ramp for what will hopefully be the last time this month (as long as there isn't any monsoon like rains in Logsdon). The PIT-tag antenna has been working great and we've seen some hits this week. Yaquina-Mill has seen an increase in Coho smolt numbers as the reservoir continues to increase in temperature and all around gnarliness. There seems to be a mystery animal eating Coho smolts above the self-release, so I am going to track down a game camera to track down the culprit. My money is on a mink or fisher. We have also begun to take scale samples on any fish greater than 170mm to determine its age.

Tenmile Creek has had quite the resurgence of fish in the last few days. Bill has had his hands full with 240+ chinook "fry" (60-90mm), 130 Coho smolts and around 20 steelhead smolts daily. Looks like the little bit of rain may have jump started a last move of fish, likely to last a few more weeks. He has also been having adult steelhead in the trap making a ruckus (a few mortis). Tenmile Creek is usually the last trap to shut down every year. Cascade Creek has continued to drop in fish numbers. We are seeing around 15 out migrants a day, with 14 recaps of 15 marked. The cutthroat numbers have come into the single digits. Cascade will probably run till the end of next week and sit dormant until we show it off during the LCM fieldtrip (and have everyone's help getting it out of the creek).

The Lobster Creek traps have been winding down for some time now. The tentative plan is to shut them down this Sunday. However, we will see if any last minute stragglers decide to move out before we make the final decision. Richard is catching a hand full of cutts, Coho smolts and fry. At this point the run is a quick one and we need to get the traps out before we lose people to AQI and vacation.

North Coast (Derek Wiley, Assistant Project Leader):

NF Nehalem: Derek gave a presentation to the Nestucca-Neskowin Watershed Council Tuesday evening at the Pelican Pub in Pacific City, showing *Journey's End* and *Salmonid Life Cycle Monitoring in the NF Nehalem River Basin (2015)*. The event was very well attended, as 73 people showed up to see the two films. On Thursday morning Derek did a radio interview with KTL in Tillamook to publicize the same presentation to be given to the Tillamook Bay Watershed Council on Tuesday, May 31st at the Tillamook library (<https://tillamookbay.org/2016/04/27/life-in-the-river/>).

The adult trapping season is quickly winding down on the NF Nehalem, although one new steelhead was captured at Waterhouse Falls this week and a handful of redds were observed on mainstem spawning surveys. We have begun to zero out steelhead redd surveys this week, most of which are tributary reaches that have had very little spawning activity over the season. Mainstem reaches will be surveyed at least one more time as we still have some spawning activity in these areas. Some redds in mainstem reaches have been exposed or are nearly exposed due to low water.

Coho smolts and Chinook fingerlings are the majority at the screw traps right now, although coho smolt catch has dipped below triple digits at both traps with high trap efficiency observed. Chinook fingerling catch increased to approximately 200 fish this week at the lower screw trap, also with very high trap efficiency observed.

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 5/22/16. 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
Total Basin	Coho	Fry	131	120	9	(170)			7.50%		44.91
	Coho	Smolt	7,872	1,539	597	20,057	1,435	39.83%	38.79%	106.80	103.77
	Chinook	All	5,202	2,460	600	67,085	50,495	8.58%	24.39%		
	Steelhead	60-89mm	11	10	0	(15)			0.00%		75.55
	Steelhead	90-119mm	22	21	2	(22)			9.52%		102.32
	Steelhead	Smolt	441	426	70	2,752	637	16.27%	16.43%	173.68	168.60
	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	218	217	28	1,961	1,090	12.20%	12.90%	138.08	138.33
	Cutthroat	160-249mm	70	70	8	(70)			11.43%		177.74
	Cutthroat	250mm				(6)					304.83

	Species	Size Class	Caught	Marked	Recap	Estimate	95% CI	Efficiency		Fork Length	
								Weighted	Overall	Peak	Season
Upper Basin	Coho	Fry	257	249	52	2,816	2,085	12.02%	20.88%	36.18	50.39
	Coho	Smolt	7,930	1,369	628	17,251	1,268	46.41%	45.87%	102.08	102.97
	Chinook	All	1,810	1,522	774	7,733	3,107	23.88%	50.85%		
	Steelhead	60-89mm	3	3	0	(3)			0.00%		77.33
	Steelhead	90-119mm	38	37	3	(38)			8.11%		106.37

	Steelhead	Smolt	173	172	18	1,821	925	10.12%	10.47%	145.28	158.17
	Cutthroat	60-89mm	1	1	0	(1)			0.00%		88.00
	Cutthroat	90-119mm	27	27	7	(27)			25.93%		109.33
	Cutthroat	120-159mm	168	166	21	1,383	598	12.57%	12.65%	136.48	137.62
	Cutthroat	160-249mm	24	24	3	(24)			12.50%		178.00
	Cutthroat	250mm				(1)					255.00

EF Trask: It appears this year's steelhead run is just about over, as no new fish were captured at the adult trap or seen below the dam this week. We will be decommissioning the trap for the last time after the Memorial Day holiday. We have begun to zero out steelhead redd surveys upstream of the dam and observed no new steelhead redds this week. Catch at the screw trap continues to be light, with coho smolts, Chinook fingerlings, and cutthroat dominating the catch.

Juvenile out-migrant population estimates for the EF Trask River basin through 5/22/16. 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
EF Trask	Coho	Fry	1,013	799	40	28,030	15,043	4.49%	5.01%	40.12	40.57
	Coho	Smolt	828	702	312	1,882	188	44.76%	44.44%	113.08	106.05
	Chinook	Fry	2,504	1,494	67	67,741	19,437	4.26%	4.48%	42.72	45.28
	Chinook	Fingerling	233	223	48	1,080	308	21.96%	21.52%	65.44	66.45
	Steelhead	60-89mm	7	7	0	(9)			0.00%		79.29
	Steelhead	90-119mm	13	13	3	(15)			23.08%		106.62
	Steelhead	Smolt	484	482	55	4,453	1,256	11.12%	11.41%	180.92	179.05
	Cutthroat	60-89mm	3	3	0	(3)			0.00%		83.67
	Cutthroat	90-119mm	70	69	10	551	306	13.67%	14.49%	111.42	108.67
	Cutthroat	120-159mm	505	455	62	3,771	933	13.64%	13.63%	142.36	139.68
	Cutthroat	160-249mm	172	172	21	1,511	625	11.84%	12.21%	176.68	174.16
	Cutthroat	250mm				(4)					339.25

N Scappoose (Ron Constable, Assistant Project Leader):

The adult trap was decommissioned this week. We had a total of 14 steelhead this season, 7 males and 7 females. One of the females was a hatchery fish, the first hatchery female ever caught at Bonnie Falls.

A small trickle of smolts is still heading out of the basin. We have not caught more than 5 in one day this week and recap rates are high. Below is a summary of our screw trap catch this year and some very rough estimates of smolt abundance for this spring.

Species	# Caught	# Marked	# Recaptured	Trap Eff.	Rough Estimate
Coho Smolts	567	439	253	57.6%	984
Steelhead Smolts	91	90	33	36.7%	248
Cutts 120-159mm	66	66	26	38.4%	168
Cutts 160-249mm	75	74	25	33.8%	222