

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

The West Fork Smith River screw trap was successfully removed Monday.

Chum Reintroduction (Brian Alfonse, Crew Leader):

This is the last week of smolt trapping on the Lower Columbia River tributaries and crews have been busy dismantling and storing our RSIs, fry trap, and screw traps. During the last few days of trapping at Clatskanie, the majority of smolting coho were of a smaller size (80-100 mm FL) than the typical yearling smolts (>110 mm FL). These may be sub-yearling smolts. We also captured a large number of trout fry this week (n = 246), surpassing the largest weekly catch from any previous year (n = 182). Overall, the trapping season was very successful; across species, trap efficiencies and total catch were consistently high and mortalities were low. Currently, the crew is finishing data entry and error checking and downloading our network of temperature and water height loggers. Stay tuned for exciting end-of-season results at the Life Cycle Monitoring Symposium next week!

Table 1. Weekly and total catch of salmonids at lower Columbia River monitoring sites, 2015.

	Chum	Coho		Chinook	Steelhead			Cutthroat					Trout
	Fry	Fry	Smolt	Fry	<90	90-119	≥120	<90	90-119	120-159	160-249	≥250	Fry
Weekly Catch as of : June 17, 2015													
Clatskanie River (screw trap)		50	72			1	1			4	4		246
Stewart Creek (fry trap)													
Big Creek (screw trap)		10	46			2		1	2	6	1		2
Season Catch Totals													
Clatskanie River (screw trap)		31,218	11,146	422	1	30	1594	0	11	131	1416	38	407
Stewart Creek (fry trap)	3,107	8,016	32		2	2	4	25	5	2			52
Big Creek (screw trap)	2,591	2,590	1091		2	224	2	9	79	151	2		41

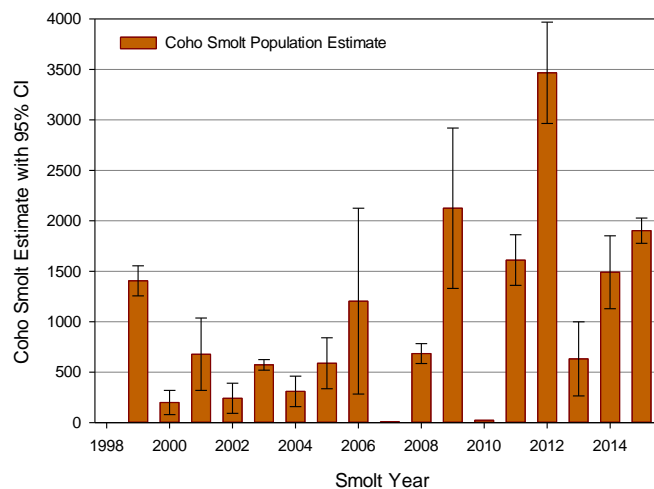
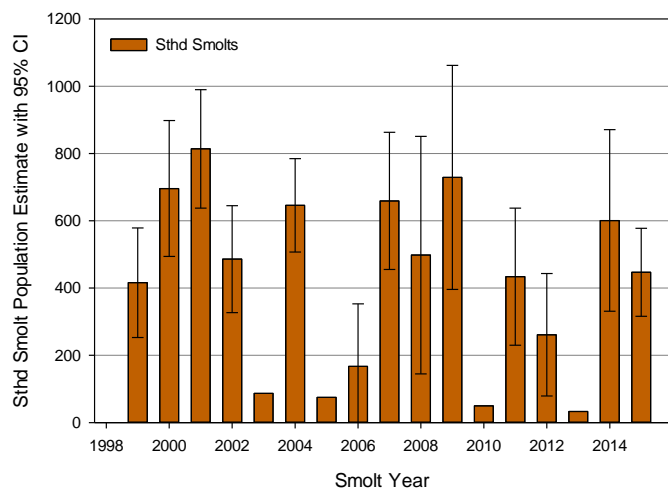
N Scappoose Creek (Ron Constable, Asst. Project Leader):

This will be the final update of the season, as our trap was removed on June 10th. Take heart. We will be back next year. The trap came out very smoothly. It only took 2.5 hours to get it and all the gear and rigging loaded on to the trailer. Thanks you Josh, Dirk, Tony, and Brian for all the help all season long.

Here are our preliminary totals for the spring season:

We had a whopping 12 adult steelhead, which was our lowest count since 2009. We did fairly well on coho smolts – just over 1900 with a good 95% CI, which was about 6.5% of the point estimate. The trap averages 65% efficiency for coho. We had 447 steelhead smolts, with a decent 95%CI that was 29% of the point estimate. The trap was 345 efficient for steelhead.

It should be a real interesting summer for snorkel surveys.



North Coast (Derek Wiley, Assistant Project Leader):

The EF Trask screw trap was removed and hauled back to Corvallis earlier this week and we finished up juvenile trapping on the NF Nehalem today (6/18). The NF Nehalem traps will be removed next Monday and Tuesday and transported to Corvallis prior to the LCM symposium. Our preliminary juvenile estimates through the end of the season are shown below:

Estimates & Interpolated Catch (in Parentheses) through 6/11/15 at the EF Trask Screw trap

	Species	Size Class	Caught	Marked	Recap	Estimate	95% CI	Efficiency		Fork Length (mm)	
								Weighted	Overall	Peak	Season
EF Trask	Coho	Fry	7,732	2,274	159	145,834	31,540	5.81%	6.99%	39.44	43.15
	Coho	Smolt	1,727	1,029	412	4,346	367	40.22%	40.04%	112.12	107.10
	Chinook	Fry	3,392	1,802	99	70,646	17,436	5.28%	5.49%	42.96	47.37
	Chinook	Fingerling	634	497	156	2,042	312	31.50%	31.39%	81.16	70.57
	Chinook	All	4,026	2,299	255	75,109	18,375	5.91%	11.09%		
	Steelhead	60-89mm	6	5	1	(6)			20.00%		85.00
	Steelhead	90-119mm	56	56	8	(57)			14.29%		106.42
	Steelhead	Smolt	1,028	908	126	8,343	1,911	12.80%	13.88%	178.80	170.78
	Cutthroat	60-89mm	4	4	1	(4)			25.00%		85.50
	Cutthroat	90-119mm	120	115	15	1,114	606	11.76%	13.04%	114.13	109.66
	Cutthroat	120-159mm	861	789	108	6,538	1,278	13.46%	13.69%	138.16	138.14
	Cutthroat	160-249mm	248	246	37	1,735	543	14.67%	15.04%	173.56	177.47

Estimates & Interpolated Catch (in Parentheses) through 6/18/15 at the Lower (Total Basin) and Upper (Upper Basin) Screw Traps on the NF Nehalem

	Species	Size Class	Caught	Marked	Recap	Estimate	95% CI	Efficiency		Fork Length (mm)	
								Weighted	Overall	Peak	Season
Total Basin	Coho	Fry	19,667	1,871	175	410,129	158,989	5.71%	9.35%	38.56	47.39
	Coho	Smolt	13,364	2,234	954	30,778	1,795	43.84%	42.70%	103.44	99.97
	Chinook	Fry	19,909	1,700	122	322,118	83,251	7.29%	7.18%	41.72	47.32
	Chinook	Fingerling	3,376	1,251	391	10,860	970	31.33%	31.25%	75.64	72.62
	Chinook	All	23,285	2,951	513	320,842	79,584	8.37%	17.38%		
	Steelhead	60-89mm	18	17	2	(20)			11.76%		79.11
	Steelhead	90-119mm	105	100	20	570	247	19.21%	20.00%	104.14	104.19
	Steelhead	Smolt	909	773	135	5,573	1,072	16.75%	17.46%	181.32	167.77
	Cutthroat	60-89mm	17	16	4	(19)			25.00%		79.50
	Cutthroat	90-119mm	74	74	14	571	484	15.59%	18.92%	109.69	108.08
	Cutthroat	120-159mm	665	637	110	4,008	774	16.90%	17.27%	141.88	140.31
	Cutthroat	160-249mm	331	328	41	2,929	960	11.79%	12.50%	180.12	184.08

	Species	Size Class	Caught	Marked	Recap	Estimate	95% CI	Efficiency		Fork Length (mm)	
								Weighted	Overall	Peak	Season
Upper Basin	Coho	Fry	21,843	1,961	233	418,547	118,751	6.00%	11.88%	36.60	44.40
	Coho	Smolt	10,314	2,144	1,087	19,395	917	54.50%	50.70%	97.68	95.99
	Chinook	Fry	3,848	1,161	125	43,300	9,849	10.15%	10.77%	39.84	47.08
	Chinook	Fingerling	1,045	847	470	1,965	153	54.91%	55.49%	81.48	72.42
	Chinook	All	4,893	2,008	595	45,084	9,878	12.14%	29.63%		
	Steelhead	60-89mm	17	16	3	(17)			18.75%		75.61
	Steelhead	90-119mm	58	58	3	(60)			5.17%		104.25
	Steelhead	Smolt	328	323	33	3,360	1,115	10.07%	10.22%	161.84	158.89
	Cutthroat	60-89mm	7	5	0	(8)			0.00%		83.43
	Cutthroat	90-119mm	54	53	11	621	1,466	10.92%	20.75%	95.00	110.96
	Cutthroat	120-159mm	364	357	76	2,028	586	18.85%	21.29%	136.88	139.33
	Cutthroat	160-249mm	102	102	18	652	312	16.67%	17.65%	172.48	175.58

Mid Coast (Chris Lorion, Assistant Project Leader):

The smolt trapping season is over at the mid-coast LCM sites. We will be shutting the Yaquina-Mill Creek trap down today, and Tenmile Creek finished up on Wednesday. We've already removed three of our traps, and will have the other three safely back at Adair by the end of next week. Coho smolt numbers had dropped down to 2-3 per day when we shut down the Tenmile Creek trap, but we were still catching 50-100 Chinook fingerlings each day. In past years when we ran the Tenmile trap into the summer, we caught Chinook out-migrants throughout July and into early August, so getting a good total count on these guys is elusive. At Yaquina-Mill, it looks like we've run the trap long enough to get just about every coho smolt straggler, although we continue to see some large fry that are showing signs of smolting. This happens every year at the end of the season at Yaquina-Mill and it would be interesting to know more about the fate of these fish. Look for a summary of what has been the fishiest season ever for the mid-coast LCM sites at the annual meeting next week.