

Chum Reintroduction (Brian Alfonse, Crew Leader):

The smolt catch at our traps was low this week as we near the end of our trapping season. After several consecutive weeks without any new salmonids, the Stewart creek trap was stopped last Friday and is currently being taken apart. Catch this year was much higher in the Clatskanie River than we have seen in the past. Some of this difference may be explained by the new (more effective) trapping site that we selected mid-season last year. However we also see much larger preliminary estimates for coho smolts, steelhead (>120mm FL), and cutthroat trout (160-249mm FL), which all have peak migration periods after the time that we moved our trap last year and would be comparable between the two years. Chinook fingerling catch has been low this spring at the Clatskanie River; only 15 have been caught since early April, compared to an average of 125 caught in this time period over the past three seasons. At Big Creek, daily catch for coho smolts is now in the single digits.

- Kris presented results from experimental reintroductions of chum salmon, updates on the broodstock, and early results from the limiting factors analysis at the Research, Monitoring, and Evaluation Meeting this week in The Dalles.

| | 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 10, 2015 | | | | | | | | | | | | | |
| Clatskanie River (screw trap) | | 79 | 175 | | | | 3 | | | 5 | 32 | | 109 |
| Stewart Creek (fry trap) | | | | | | | | | | | | | |
| Big Creek (screw trap) | | 15 | 39 | | | | 2 | | | 12 | 17 | | 2 |
| Season Catch Totals | | | | | | | | | | | | | |
| Clatskanie River (screw trap) | | 31,168 | 11,074 | 422 | 1 | 29 | 1593 | | 11 | 127 | 1412 | 38 | 161 |
| Stewart Creek (fry trap) | 3,107 | 8,016 | 32 | | | 2 | 2 | 4 | 25 | 5 | 2 | | 52 |
| Big Creek (screw trap) | 2,591 | 2,580 | 1045 | | | 2 | 222 | 2 | 8 | 77 | 145 | 1 | 39 |

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

The screw trap was successfully removed.

North Coast (Derek Wiley, Assistant Project Leader):

All three adult traps have now been disassembled, as no adult steelhead were captured in the last several weeks. We will be performing QA/QC of adult data over the coming weeks and hope to have final estimates by early July. The EF Trask screw trap was removed yesterday and will be transported to Adair next Monday. The NF Nehalem traps will not be far behind, although we continue to catch a decent number of coho smolts for this late in the year. We hope to have both NF Nehalem screw traps removed and back in Corvallis prior to our end of season meeting. See below for detailed information on juvenile catch at the north coast screw traps.

Estimates & Interpolated Catch (in Parentheses) through 6/7/15 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 | 7,597 | 2,199 | 142 | 143,291 | 32,258 | 5.82% | 6.46% | 39.44 | 42.66 |
| | Coho | Smolt | 1,720 | 1,022 | 407 | 4,340 | 376 | 40.11% | 39.82% | 112.12 | 107.30 |
| | Chinook | Fry | 3,392 | 1,798 | 98 | 71,395 | 17,389 | 5.23% | 5.45% | 42.96 | 47.19 |
| | Chinook | Fingerling | 438 | 422 | 116 | 1,559 | 294 | 28.49% | 27.49% | 67.40 | 68.52 |
| | Chinook | All | 3,830 | 2,220 | 214 | 74,810 | 18,408 | 5.62% | 9.64% | | |
| | Steelhead | 60-89mm | 6 | 5 | 1 | (6) | | | 20.00% | | 85.00 |
| | Steelhead | 90-119mm | 55 | 55 | 8 | (56) | | | 14.55% | | 106.44 |
| | Steelhead | Smolt | 1,026 | 906 | 125 | 8,468 | 1,954 | 12.60% | 13.80% | 178.80 | 170.94 |
| | Cutthroat | 60-89mm | 4 | 4 | 1 | (4) | | | 25.00% | | 85.50 |
| | Cutthroat | 90-119mm | 117 | 113 | 14 | 1,134 | 594 | 11.18% | 12.39% | 114.13 | 109.59 |
| | Cutthroat | 120-159mm | 843 | 776 | 106 | 6,422 | 1,286 | 13.46% | 13.66% | 138.16 | 138.03 |
| | Cutthroat | 160-249mm | 245 | 245 | 36 | 1,745 | 551 | 14.41% | 14.69% | 171.32 | 177.59 |

Estimates & Interpolated Catch (in Parentheses) through 6/7/15 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 | 19,567 | 1,795 | 160 | 421,569 | 178,438 | 5.54% | 8.91% | 38.56 | 44.58 |
| | Coho | Smolt | 13,235 | 2,112 | 899 | 30,322 | 1,748 | 44.07% | 42.57% | 103.44 | 100.28 |
| | Chinook | Fry | 19,908 | 1,700 | 122 | 319,240 | 82,365 | 7.35% | 7.18% | 41.72 | 47.29 |
| | Chinook | Fingerling | 2,684 | 1,001 | 317 | 8,324 | 819 | 32.49% | 31.67% | 75.64 | 70.38 |
| | Chinook | All | 22,592 | 2,701 | 439 | 324,681 | 85,409 | 8.06% | 16.25% | | |
| | Steelhead | 60-89mm | 16 | 16 | 2 | (18) | | | 12.50% | | 80.81 |
| | Steelhead | 90-119mm | 104 | 100 | 20 | 571 | 243 | 18.98% | 20.00% | 104.14 | 104.07 |
| | Steelhead | Smolt | 904 | 769 | 135 | 5,427 | 1,005 | 17.06% | 17.56% | 181.32 | 168.38 |
| | Cutthroat | 60-89mm | 17 | 16 | 4 | (19) | | | 25.00% | | 79.50 |
| | Cutthroat | 90-119mm | 74 | 74 | 14 | 625 | 625 | 14.10% | 18.92% | 113.00 | 108.08 |
| | Cutthroat | 120-159mm | 662 | 634 | 110 | 3,926 | 747 | 17.14% | 17.35% | 141.88 | 140.32 |
| | Cutthroat | 160-249mm | 327 | 324 | 41 | 2,788 | 866 | 12.17% | 12.65% | 180.12 | 184.30 |

| | Species | Size Class | Caught | Marked | Recap | Estimate | 95% CI | Efficiency | | Fork Length (mm) | |
|-------------|-----------|------------|--------|--------|-------|----------|---------|------------|---------|------------------|--------|
| | | | | | | | | Weighted | Overall | Peak | Season |
| Upper Basin | Coho | Fry | 20,959 | 1,733 | 131 | 414,022 | 116,908 | 5.84% | 7.56% | 36.60 | 41.67 |
| | Coho | Smolt | 10,114 | 1,991 | 1,004 | 18,920 | 913 | 54.80% | 50.43% | 97.68 | 96.17 |
| | Chinook | Fry | 3,846 | 1,159 | 125 | 43,515 | 10,055 | 10.10% | 10.79% | 39.84 | 47.00 |
| | Chinook | Fingerling | 811 | 672 | 387 | 1,412 | 112 | 59.59% | 57.59% | 71.32 | 70.04 |
| | Chinook | All | 4,657 | 1,831 | 512 | 44,839 | 10,114 | 11.68% | 27.96% | | |
| | Steelhead | 60-89mm | 10 | 10 | 1 | (10) | | | 10.00% | | 82.45 |
| | Steelhead | 90-119mm | 54 | 54 | 3 | (56) | | | 5.56% | | 104.02 |
| | Steelhead | Smolt | 328 | 323 | 33 | 3,352 | 1,121 | 10.08% | 10.22% | 161.84 | 158.89 |
| | Cutthroat | 60-89mm | 7 | 5 | 0 | (8) | | | 0.00% | | 83.43 |
| | Cutthroat | 90-119mm | 53 | 52 | 11 | 545 | 835 | 11.51% | 21.15% | | 111.26 |
| | Cutthroat | 120-159mm | 359 | 352 | 72 | 1,991 | 535 | 18.93% | 20.45% | 141.16 | 139.42 |
| | Cutthroat | 160-249mm | 101 | 101 | 17 | 671 | 329 | 16.07% | 16.83% | 172.48 | 175.64 |

Mid Coast (Chris Lorion, Assistant Project Leader):

The smolt trapping season came to an end at two more of our traps this week, Siletz-Mill Creek and Cascade, and we are down to just two traps at this point. At Yaquina-Mill Creek, we are still seeing coho smolt numbers in the teens, and will likely keep fishing the trap until the end of next week. At Tenmile Creek, coho smolt numbers have dropped down into the single digits, and so the end of the season is nigh. Chinook fingerling numbers remain strong at Tenmile, and we are still seeing a few late steelhead kelts. This week we also worked with staff from the Oregon Department of Environmental Quality to identify macroinvertebrate sampling sites in Mill Creek and other control sites in the Siletz basin as part of the Mill Creek large wood addition study. We will be collecting pre-treatment samples at these sites in a few weeks, and then handing them off to OSU for identification.

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

West Fork Smith: Trap catch of out-migrating coho smolts over the last week dipped into low single digits prompting us to call an end to our smolt trap season. Preliminary estimates show 27,167 ($\pm 1,151$) out-migrating coho smolts. This would be our lowest coho smolt estimate since 2007 (26,697). Trap efficiency for coho smolts was one of our highest this season coming in at 43 percent. Preliminary results show 4,693 ($\pm 1,186$) steelhead smolts leaving the basin this year. Trap efficiency while better than last year's dismal 3.2 percent was still lower than what we had hoped for at 7.4 percent.

The demolition/recycling of the old weir panels continues with less than a quarter of panels left to cut apart. The final prefabrication of needed pieces should be completed by the end of next week with the rebuild starting shortly thereafter.