



Oregon Department of Fish and Wildlife

"DRAFT"

Oregon Hatchery Research Center (OHRC) Monthly Progress Report

Month: January 2010

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Facility Issues

- OHRC staff picked up four 16 foot troughs from Alsea Hatchery this month. The troughs will be used for a controlled experiment by Christine May while she is here doing work in the simulated streams. She will be measuring survival of steelhead fry exposed to various amounts of sediment.
- Securecom was onsite this month to perform routine annual maintenance and inspection of the facilities fire alarm system. A few minor issues were detected and taken care of.
- The facilities annual Department of Environmental Quality report for the septic treatment system was sent in this month for 2009. All samples were within parameters and the system was operating well.
- A pre-bid meeting was held on site this month for a construction project to install a drum filter in the OHRC water system to filter water for the raceways, tank farm and wet lab. There was a huge turnout of 19 contractors to the pre bid meeting. The project should take place in the spring.

Fish Handling/Research Projects

- Robbins Church and Kirk Rensmeyer from the EPA Lab in Corvallis spent one afternoon at OHRC this month. They measured, weighed, and sampled fin and mucus for their Mucus Wash/Stable Isotope Study. This study has been ongoing since 2006.
- To follow-up on prior project experimenting with anosmia, damaging a fish's sense of smell in hopes of altering reproductive behavior, a preliminary project was started this month. Two female steelhead were placed in each of two of the simulated streams. Five control and five treatment males were placed in each of the two streams as well. Shaun Clements and OHRC staff will monitor behavior over the next few weeks. We hope this provides insight into ability to use anosmia to alter behavior of adult fish.
- Adult trap numbers to date are:

	Chinook	Coho	Steelhead
2009-'10 (to date)	55	414	20
2008-'09 (season total)	40	115	196 (all steelhead)

Outreach & Education

-An OSU field sampling class led by PhD student Brooke Penaluna spent a day at OHRC this month. The class used electro fishing gear to collect and identify juvenile cutthroat in Carnes Creek and assisted in the adult fish trap.

-Sixty two eighth graders from Crestview Middle School in Waldport spent a day at OHRC this month as part of their science curriculum. The class split into four groups where they dissected juvenile trout, sampled and measured water quality between two different streams, search for local fungi and toured the facility.

Miscellaneous

-OHRC staff and volunteers held a safety meeting this month. Staff viewed a safety video about safe operation of the facilities backhoe as a safety refresher.