

The Oregon Hatchery Research Center (OHRC) Advisory Committee

Date: September 17, 2012
Time: 9:30 a.m. to 3:00 p.m.
Location: Oregon Hatchery Research Center
 2418 E. Fall Creek Rd.
 Alsea, OR 97324
 (541) 487-5510



Type of Meeting:	Oregon Hatchery Research Center (OHRC) Advisory Committee
OHRC Advisory Committee Members:	Members: Reese Bender, Dr. Michael Brinkley, Julie Collins, Dr. Thomas Ebert, Doug Hunt, Ron Mason, Ruth McDonald, Barry McPherson, Dennis Richey, Dave Russel, Paul Stannard, John Wooley
Staff:	David Noakes, Ryan Couture, Joseph O'Neil, Derek Wilson, Charlie Corrarino, Scott Patterson, Michelle Varney, Amanda McKenzie, Melissa Sevall
Guests:	Dr. Nathan Putman, Eric Billman, Michelle Rub
Public:	Joe Rohleder
Welcome and Introduction	
Chair Barry McPherson called the meeting to order at 9:35 AM. Introductions were done around the table. Members Laurie Weitkamp, Norm Ritchie, and Stan Van de Wetering were absent and excused from the meeting. The June 11, 2012 minutes were approved.	
OHRC AC Mission Outreach: AC Members Reports	
Dr. Michael Brinkley – Representing: Conservation. Dr. Brinkley retired as a scientist in 2010; he has a PHD in Organic Chemistry, and is involved in a lot of conservation work and with multiple organizations, his challenge is to bring learning from OHRC back to the people he works with and also bring concerns of constituents back to the OHRC group. Paul Stannard – Representing Commercial Fisheries. Paul is trying to find ways to augment fisheries as well as help with wild salmon. The people he represents just would like to see more fish in the Ocean, Paul has many ties with folks and businesses in Newport, and they would like to see how OHRC is planning to help get that done. Paul brings years of fishing commercial experience. Ruth McDonald – Representing Education K-12. Ruth is a Teacher of Math and Science; she has been coordinating grants over the last several years, working with the OHRC to bring teachers and students to OHRC to learn how to conduct real research. Ruth's main focus is to educate teachers about aquatic science and fisheries.	

- [Julie Collins](#) – Representing the Federal Government. Julie is the Deputy Assistant Regional Director for the Fisheries Program in the Pacific Region of the U.S. Fish and Wildlife Service (USFWS). Julie oversees all fish programs in the Pacific NW, focusing on conservation, restoration, and mitigation. Her goal is to bring projects that USFW is working on to the OHRC, with the focus on hatchery programs and lamprey conservation as well.
- [Norman E. Ritchie](#) – Mr. Ritchie will give his presentation at the December 10th meeting.

OHRC History, an overview of Research Projects, and Management Recommendations

- Charlie Corrarino – Representing Fish and Wildlife gave an update on the Mission of OHRC. He addressed the activities of the OHRC, operations, education, outreach and research. He also addressed statutes, conservation and utilization, the Wildlife Policy, Food Fish Management Policy, Oregon Administrative Rules, funding, including Capital funds and Lottery funds. He discussed how Lindsay Ball was instrumental in getting the OHRC up and running as well.
- Ryan Couture – Representing Fish and Wildlife discussed Tier 2 research; applied research update, and hand picked nine different projects to give a brief explanation and background on each project. The projects he discussed were Holding and Treatment of Wild Brood stock(2006-2008), Pressure Shock Induction of Triploid Trout (2006-present), Evaluation of Moist Air Incubation (MAI) for Alternative Incubation (2011-2012), Evaluation of Moist Air Incubation (MAI) for Thermal Otolith Marking (2012), Migration, Physiology and Behavior of Coastal Steelhead in Oregon (2008-2010), Evaluation of Saltwater Transfer Diet (2008-2009), Adult Winter Steelhead Radio Telemetry (2011-present), Evaluation of Triploid Rainbow Trout to Harvest (2008-2009) and Reproductive Behavior and Success of Jack and Adult Chinook Salmon (2008-2009). Ryan included a brief overview of each project and the projects goals and or outcomes.
- Dr. David Noakes, Senior Scientist OHRC – Oregon State University expanded on Charlie and Ryan's discussions, David talked about all the schools that come to OHRC to research and learn, even students from Russia and China, and people in Oregon who have never even seen a wild salmon. David talked about all the teaching and educating that goes on at the OHRC, and how Gene Halfman does Public Outreach and teaching as well. David also discussed the Mission of the OHRC, planning and research goal, and research questions with direct application to Fish Management, he gave examples about how "we only see what we believe", using a puzzle with the pieces flipped over, so you had to look at the edges to put the puzzle together without seeing the picture. David showed slides and talked about 50 OHRC research projects that were reviewed at the STEP meeting. Then he wrapped up by encouraging people to ask questions and get involved and that OHRC is there for anyone to talk to.

Presentations can be viewed at: [OHRC Review and Overview](#); [OHRC Research Update](#)

Surrogate Willamette Chinook Workshop and Research Update

- Eric Billman – Discussed the development of wild fish surrogate for the upper Willamette River and Chinook salmon. He gave a brief summary about the project and recent workshop, the study was started because of the Willamette Valley Project RME plan and the concern for fish as they pass through dams.

Presentation can be viewed at: [Development of a wild fish surrogate for Upper Willamette River Chinook salmon](#)

Anadromous Salmonids of the Alsea Basin
Derek Wilson, Oregon Department of Fish and Wildlife – Discussed Anadromous Salmonids of the Alsea Basin. The main Topics of Discussion were the Wild Coho Run/Fishery (ESA Listed), Fall Chinook Fishery and Smolt Monitoring, winter steelhead Program and Research, and Smolt Predation (Past and Present. Some Hot topics included smolt release strategies/locations, brood stock evaluation, research projects and in river smolt survival. Presentation can be viewed at: 2012 Alsea River Update
Public Comment
Joe Rohleder, member of the public – made comments regarding issues from his perspective, “If you have too much stuff on your agenda to have a discussion amongst each other and with the public, then change your agenda; fisherman have paid the bill on this hatchery but do not see any extra fish to catch. ODFW, funded mostly by hunting and fishing fees and federal funds; about 1.4 million dollars spent to operate OHRC every biennium; and from the fisherman's perspective we do not see an end result of all the time and money spent.”
Working Lunch-Staff Reports
- Joseph O’Neil – Gave a brief outreach and education overview of what is offered at the OHRC, he talked about OCAMP; STEM a grant to extend OCAMP; free fishing day; the upcoming Fall Creek Festival where people can engage in activities that promote science and also provide cross training opportunities. <i>Presentation can be viewed at:</i> OHRC Education and Outreach - David Noakes – Gave an update on recent research projects and education and outreach activities that he has been involved in. <i>Presentation can be viewed at:</i> OHRC Advisory Committee Research Report - Ryan Couture – Gave a facility update, Otolith marking, and moist air incubation. Otolith marking is done by increasing the temperature 10 degrees Celsius for a certain amount of days and then dropping the temperature 4 degrees Celsius. Rings are dependant on temperature changes; dark bands represent cold water exposure. Ryan said that we still don’t know how soon after fertilization that we can begin marking, in one study the marking started 12 days after fertilization by increasing then decreasing the temperature, all done in a moist air incubator. <i>Presentation can be viewed at:</i> OHRC Operations Update
Acoustic Tag Detection by Predators
Michelle Rub, NOAA Fisheries – Gave an update on the Acoustic Tag Detection by Predators: Concerns from the Columbia River, particularly pinnipeds due to passage of the marine mammal protection act, and the designed two tiered mark recapture study, and study of mortality rate among Chinook salmon. Michelle also discussed the physical evidence of harbor seal attacks on salmon, and how the attacks have been on the rise since the early 1990’s, as well as the PIT tagging, using “dummy AT transmitters, as well as active AT transmitters. <i>Presentation can be viewed at:</i> Acoustic Tag Detection by Predators: Concerns from the Columbia River, USA

Magnetic Orientation in Salmon and Steelhead
• Dr. Nathan Putman, OSU – discussed various experiments including those involving magnetic fields with copper wire to test magnetic theories. The studies were to better understand the mechanisms of navigation and how it could improve fisheries management and conservation. Nathan also discussed how salmon and trout might use the magnetic field at different life-stages, and the magnetic field as a navigational cue. <i>Presentation can be viewed at:</i> Magnetic Orientation in Salmon and Steelhead
Good of the order and adjournment
• Last Agenda Items; Election of a vice chair for the upcoming year and also set the meeting schedule for March through December 2013. During a ten minute break nominations were discussed among members, and upon reconvening, Doug Hunt was nominated, motion was made to close nominations, and all were in favor of electing Doug Hunt. The meeting schedule was also set, and meetings will be held the second Monday of every month, March 11, 2013, June 10, 2013, September 9, 2013, and December 9, 2013. • With no other business to cover, Chair Barry McPherson closed the meeting at 3:05 p.m. The next meeting will be held on Monday, December 10, 2012 at OHRC.