

Pacific Coast Steelhead Management Meeting

Fort Worden - Port Townsend, WA
March 13-15, 2012

Monday, March 12, 2012 - USO Hall

2:00 - 500 pm	Registration
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Tuesday, March 13, 2012

7:00 - 8:00 am	Continental breakfast in the dining hall
7:00 - 8:00 am	Registration in the USO hall
8:00 - 8:10 am	Welcome, Introductions & Housekeeping Items Roger Harding, ADFG and Stephen Phillips, PSMFC
8:00 - 10:00 am	Session One - 20 Minute Presentations Steelhead Stock Status Review - Chair: Shivonne Nesbit, ODFW <ul style="list-style-type: none"> • 8:10 California - Jonathon Nelson, CDFG • 8:30 Oregon - Kevin Goodson, ODFW • 8:50 Idaho - Alan Byrnes, IDFG • 9:10 Washington - Bob Leland, WDFW • 9:30 British Columbia - Sue Pollard, BC Ministry of Forests Lands & Natural Resource Operations • 9:50 Alaska - Brian Marston, ADFG
10:10 - 10:25 am	BREAK
10:25 - 12 Noon	Session Two - 25 Minute Presentations Life History Updates - Chair: Alan Byrnes, IDFG <p>10:25 Response of a steelhead population and stream habitat to wildfire in a central California chaparral watershed - David Boughton, NOAA</p> <p>10:50 Contribution of resident <i>O. mykiss</i> to anadromous populations. Implications for VSP analysis - Rich Carmichael, ODFW</p> <p>11:15 Effect of differing age structure in steelhead populations within an MPF on productivity estimates used in VSP analysis - Tim Copeland, IDFG Idaho - Alan Byrnes, IDFG</p> <p>11:40 Iteroparity in SE Alaska steams: Importance of repeat spawning to sustained production - David Love, ADFG</p>
Noon - 1:15 pm	Lunch - USO Hall
1:15 - 2:30 pm	1:15 Natural stray rates - What's a stray and how can we measure it? Insights from Steelhead populations in the Copper River and Prince of Wales Island - Jeff Olsen, USFWS

1:40 - 2:30 pm	<p>Session Two Life History Updates Continued:</p> <p>1:40 How do we incorporate all this variation in a steelhead VSP analysis. Some insights using 'what-if?' modeling - Tom Cooney, NOAA</p> <p>2:05 Panel/audience discussion on how steelhead life history variation affects VSP analysis and determining the viability status of populations and MPG's. Also, how and what should we measure to assess spatial structure and genetic diversity in steelhead populations.</p>
2:30 - 5:10 pm	<p>Session Three - 20 Minute Presentations Hatchery Issues - Chair: James Dixon, WDFW</p> <p>2:30 Ecologic and demographic costs of releasing non-migratory juvenile hatchery summer steelhead - Charlie Snow, WDFW</p> <p>2:50 Lower Snake River Compensation Plan Steelhead Program - A retrospective and program adaptive management - Mark Schuck & Joe Baumgarner, WDFW</p>
3:10 - 3:30 pm	BREAK
	<p>3:30 Is interbreeding of wild and hatchery winter steelhead prevented by divergent life history? - Todd Seamons, WDFW</p> <p>3:50 Reduced recruitment performance in natural populations of anadromous salmonids associated with hatchery-reared fish - Kevin Goodson, ODFW</p> <p>4:10 Variation in the effectiveness of alternative broodstock, rearing and release practices - Upper Columbia River Summer Steelhead - B. Gale, USFWS</p> <p>4:30 Variation in the effectiveness of alternative broodstock, rearing and release practices among three supplemented steelhead populations - Hood Canal, WA - Barry Berejikian, NOAA</p> <p>4:50 Insights from parentage based tagging Snake River hatchery steelhead - Craig Steele, IDFG</p>
5:10 pm 6:00 pm	<p>Adjourn Reception & Dinner in 'Local Goods Café' - in The Commons</p>
7:30 pm	<p>Poster Session in the USO Building - Chair: Carol Coyle, ADFG</p> <ul style="list-style-type: none"> • Puget Sound Steelhead Fisheries - Amilee Wilson, NOAA • Genetic estimation of stock abundance and run-timing of Interior Columbia River Steelhead Passing Bonneville Dam, Jon Hess, CRITFC • Columbia River alternative gear studies: Preliminary survival estimates of steelhead caught and released in seines - Josh Holowatz, WDFW

Wednesday, March 14, 2012

7:00 - 8:00 am	Continental breakfast in the dining hall
7:00 - 8:00 am	Registration in the USO hall
8:10 - 12 Noon	<p>Session Four - 15 Minute Presentations Steelhead Data, Monitoring and Management: Approaches to Steelhead Monitoring and Management with Decreasing Budget - Chair: Dan Rawding, WDFW</p> <p>8:10 Mark-resight estimates using PIT and Floy tags to estimate adult Steelhead responses to Hemlock Dam removal in SW Washington - Charlie Cochran, WDFW</p> <p>8:25 Decomposing Lower Granite Dam steelhead runs into tributary escapement estimates using instream PIT tag arrays - Chris Beasley & Jody White, QCI</p> <p>8:40 Comparisons abundance estimate based on PIT tag detection and weir operations in Snake River tributaries - NPT and others</p> <p>8:55 Genetic based approach to steelhead population estimates above Lower Granite Dam - Mike Ackerman, IDFG</p> <p>9:10 PIT/Genetic Abundance Discussion - 15 minutes</p> <p>9:25 Estimates of steelhead harvest rates based on PIT tag sampling in Columbia River Fisheries - Steve VanderPloeg, WDFW</p> <p>9:40 Examination of Angler Catch by Stock Composition of Summer Steelhead in the Deschutes River, OR 1977-2011: Why Don't Hatchery Fish Bite? - Jason Seals, ODFW</p> <p>9:55 Fisheries Discussion - 10 minutes, end at 10:05</p>
10:05 - 10:25 am	BREAK
10:25 - 12 Noon	<p>10:25 Factors influencing red observer efficiency in the Wenatchee Basin - Chad Herring, WDFW</p> <p>10:40 Estimating steelhead red abundance and variance based on red observer efficiency - Andrew Murdoch, WDFW</p> <p>10:55 Directed Acyclic Graphs: A tool to incorporate uncertainty in steelhead red based escapement estimates for Columbia Basin Coordinated Data Assessments - Danny Warren, WDFW</p> <p>11:10 Estimates of steelhead escapement from video counts - Ken Gates, USGS</p> <p>11:25 Redd/Video Abundance discussion - 15 minutes, end at 11:40</p> <p>11:40 An approach for developing biological reference points for steelhead populations - Bryce Glaser, WDFW</p>
Noon - 1:15 pm	Lunch - USO Hall

1:15 - 1:40 pm	<p>1:15 Integrated Status & Trend (ISTM) Project: An overview of establishing, evaluating and modifying monitoring priorities for LCR Steelhead - Jeff Rodgers, ODFW & Dan Rawding, WDFW</p> <p>1:30 Discussion - 10 minutes, end at 1:40</p>
1:40 - 5:00 pm	<p>Session Five - 20 Minute Presentations Invited Papers - Part I - Chair: Nick Gayeski, Wild Fish Conservancy</p> <p>1:40 <i>Mykiss</i> genetic structure in the Elwha - Gary Winans, NOAA</p> <p>2:00 Plan for recolonization of the Elwha by winter and summer steelhead - Pat Crain, NPS</p> <p>2:20 Physical habitat characteristics contribute to life history variation among seven <i>Oncorhynchus mykiss</i> populations in Hood Canal - Barry Berejikian, et al, NOAA</p> <p>2:40 Local adaptation in juvenile fitness related traits between two geographically proximate populations - B. Berejikian, et al, NOAA</p>
3:00 - 3:20 pm	BREAK
	<p>3:20 Life history responses of <i>Oncorhynchus mykiss</i> to selective processes in early life - Matthew Sloat, OSU</p> <p>3:40 The influence of sex and migration distance on the expression of anadromy in <i>Oncorhynchus mykiss</i> - Haley Ohms, OSU</p> <p>4:00 Sex reversal or selection against hatchery females does not explain differences in sex ratio between hatchery and wild steelhead, <i>Oncorhynchus mykiss</i> - Neil F. Thompson, OSU</p> <p>4:20 Update on development of a nomenclature for steelhead - John McMillen, Bob Gresswell, Hal Michaels and others</p>
5:00 pm 6:00 pm 7:30 pm	<p>Adjourn</p> <p>BBQ in the USO Hall</p> <p>"Steelhead Wisdom & Humor" - Bob Hooten</p>

Thursday, March 15, 2012

7:00 - 8:00 am	Continental breakfast in the dining hall
8:00 - 11:40 am	<p>Session Six - 20 Minute Presentations Invited Papers - Part II - Chair: Hal Michael, Retired WDFW</p> <p>8:00 Discussion of winter steelhead R/S and implications for management - Hal Michael, Salmonid Ecosystem Ecologist, Olympia, WA</p> <p>8:20 Synergistic impacts of climate change: Increased temperature and flooding and the persistence of endangered steelhead in southern California - Matthew Sloat, OSU</p>

	<p>8:40 Differential productivity for Coho based on other species escapement - Leon Shaul, ADFG</p> <p>9:00 Friend or Foe: Influence of Resident Trout on Steelhead Production in the Yakima Basin - Ian Courter, Cramer Fish Sciences</p> <p>9:20 Maybe it wasn't hatchery fish; environmental possibilities to steelhead decline - Wes Hoppler, Steelhead Trout Club of WA</p> <p>9:40 The Clean-Water Paradox: Impacts of Troy WWTP on juvenile steelhead habitat - Ricardo Sánchez-Murillo, University of Idaho</p>
10:00 - 10:20 am	BREAK
	<p>10:20 Western Washington winter steelhead stock structure - Todd Kassler and Ken Warheit, WDFW</p> <p>10:40 <u>Part 1</u>: Management And Recovery Implications Of Wild/Hatchery Steelhead Interactions Within A Large Complex Watershed - Skagit River, Washington - Dave Pflug and Ed Connor, Seattle City Light</p> <p>11:00 <u>Part 2</u>: Management And Recovery Implications Of Wild/Hatchery Steelhead Interactions Within A Large Complex Watershed - Skagit River, Washington - Dave Pflug and Ed Connor, Seattle City Light</p> <p>11:20 WRAP UP and Closing Remarks - Roger Harding, ADF&G and Stephen Phillips, PSMFC</p> <p>11:30 <u>THE END</u></p> <p>1:00 Meet at in Port Angeles for Elwha Dam Tour - Sam Brenkman, National Park Service</p>