

Pacific Coast Steelhead

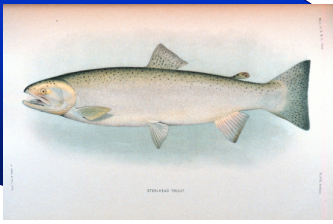
Oxford Suites - Boise
1426 S. Entertainment Avenue
Boise, ID

March 4-6, 2008

AGENDA

March 4th	Tuesday	
8:15 - 8:30 am	Welcome, Introductions and Housekeeping Items	Bob Leland , Meeting Chair, Washington Department of Fish and Wildlife Stephen Phillips , Pacific States Marine Fisheries Commission
8:30 - 10:00 am	<u>Session One</u> Steelhead Stock status Review and ESA <ul style="list-style-type: none"> 8:30 California - <u>Terry Jackson</u>, California Department of Fish and Game 9:00 Oregon - <u>Kevin Goodson</u>, Oregon Department of Fish and Wildlife 9:30 Idaho - <u>Alan Byrne</u>, Idaho Department of Fish and Game 	Roger Harding , Session Chair, Alaska Department of Fish and Game
10:00 - 10:15 am	Break	
10:15 - 11:45 am	<ul style="list-style-type: none"> 10:15 Washington – <u>Amilee Wilson</u>, Washington Department of Fish and Wildlife 10:45 British Columbia – <u>Robert Bison</u>, British Columbia Ministry of Environment 11:15 Alaska – <u>Peter Bangs</u>, Alaska Department of Fish and Game 	Session One continued
12:00 - 1:00 pm	Lunch	
1:00 - 2:00 pm	<u>Session Two -</u> Historical Abundance Estimation Methods <ul style="list-style-type: none"> 1:00 - Historic steelhead life history diversity in Washington as exemplified by run timing and how it has been reshaped by fisheries management <u>Bill McMillan</u>, Wild Fish Conservancy 1:30 - Historic population sizes as related to current runs, escapement goals, and “habitat capacity”. Loss of institutional memory, shifting baselines, etc. <u>Pete Soverel</u>, Wild Fish Conservancy 	Nick Gayeski , Session Chair, Wild Fish Conservancy
2:00 - 3:00 pm	<u>Session Three -</u> Technology Application for Steelhead Studies <ul style="list-style-type: none"> 2:00 - Trade-offs associated with alternative egg collection strategies for salmon and steelhead conservation hatcheries <u>Barry Berejikian</u>, NOAA Fisheries 2:30 - Migratory behavior and estimated survival of hatchery and natural-origin steelhead in Hood Canal, Washington. <u>Megan Petrie</u>, <u>Skip Tezak</u> and <u>Barry Berejikian</u>, NOAA Fisheries 	Fred Goetz , Session Chair, US Army Corps of Engineers

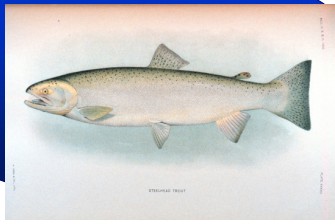
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Pacific Coast Steelhead Management Meeting

AGENDA

March 4th Tuesday - continued		
3:00 - 3:15 pm	Break	
3:15 - 4:45 pm	<ul style="list-style-type: none"> 3:15 - Migratory behavior of hatchery and wild steelhead smolts in Puget Sound as measured by acoustic telemetry <u>Fred Goetz</u>, US Army Corps <u>Sayre Hodgson</u>, Nisqually Tribe <u>Bob Leland</u>, Washington Department of Fish & Wildlife <u>Ed Connor</u>, Seattle City Light <u>Russ Ladley</u> and <u>Andrew Berger</u>, Puyallup Tribe 3:45 - Using acoustic telemetry technology to compare the migration timing and survival of hatchery-reared and naturally-reared steelhead smolts in the Alsea River, Spring 2007 <u>Steve Johnson</u>, Oregon Department of Fish and Wildlife (Retired) 4:15 - PIT tagging of steelhead smolts and adults for 5 years at Sitkoh Creek, Alaska <u>David Love</u>, Alaska Department of Fish and Game 	Session Three continued
4:45 pm	Adjourn	
6:15/6:30 pm	Reception/Poster Session <ul style="list-style-type: none"> Natural reproductive success of hatchery steelhead: Implications of recent findings. <u>Pat Hulett</u>, Washington Department of Fish Wildlife John Day origin PIT-tagged steelhead, where are they going? <u>Tim Unterwegner</u> and <u>Jim Ruzycki</u>, Oregon Department of Fish and Wildlife, and <u>Steve Anglea</u>, Biomark Assessment of a flat panel resistivity counter in Peterson Creek, Alaska. <u>Carol Coyle</u>, Alaska Department of Fish and Game Using GPS and handheld computers to monitor steelhead populations. <u>Erik Suring</u>, <u>Dave Stewart</u> and <u>Mark Lewis</u>, Oregon Department of Fish and Wildlife Population-of-origin assignments for winter-run steelhead captured as by-catch in the Columbia River tangle net fishery. <u>Todd W. Kassler</u> and <u>Cheryl A. Dean</u>, Washington Department of Fish and Wildlife Using habitat conditions to formulate the parameters of a density-dependent stock-recruitment function. <u>Lucy Flynn</u>, Washington Department of Fish and Wildlife The spawning behavior of <i>O. Mykiss</i> <u>John McMillan</u>, Oregon State University 	Patricia Michael , Session Chair, Washington Department of Fish and Wildlife

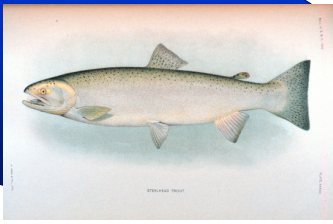


Pacific Coast Steelhead Management Meeting

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March 5th	Wednesday	
8:30 - 9:20 am	<u>Session Four</u> - Idaho Steelhead <ul style="list-style-type: none"> 8:30 - Steelhead genetic diversity at multiple Spatial scales in the Snake River, Idaho. <u>Alan Byrne</u>, Idaho Department of Fish and Game 8:55 - Parr and smolt yield, migration timing, And age structure in a wild steelhead population, Fish Creek, Idaho. <u>Alan Byrne</u>, Idaho Department of Fish and Game 	Session Four
9:20 - 10:10 am	<u>Session Five</u> - Steelhead Life History, Biology and Modeling <ul style="list-style-type: none"> 9:20 - A review of quantitative genetic components of fitness in salmonids: Implications for adaptations to future change. <u>Todd Seamons</u>, University of Washington School of Aquatic and Fishery Sciences 9:45 - Life history differentiation in Alaskan Steelhead and the consequences of inbreeding and outbreeding. <u>Jeff Hard</u>, NOAA Fisheries 	Lucy Flynn , Session Chair, Washington Department of Fish and Wildlife
10:10 - 10:25 am	Break	
10:25 am - 12:30 pm	<ul style="list-style-type: none"> 10:25 - Heritability of run-timing, adult size and ocean age in Kalama summer steelhead. <u>Cameron Sharpe</u>, Washington Department of Fish and Wildlife 10:50 - Observational evidence of spatial and temporal structure in a sympatric anadromous (winter steelhead) and resident rainbow trout mating system on the Olympic Peninsula, WA <u>John McMillan</u>, Oregon State University 11:15 - Movement of resident rainbow trout transplanted below barriers to anadromy. <u>Peggy Wilzbach</u>, U.S. Geological Survey, California Cooperative Fish Research Unit 11:40 - Supplementation using steelhead fry: performance, interactions with natural steelhead and effect of enriched hatchery rearing environments. <u>Chris Tatara</u>, NMFS, NW Fisheries Science Center 12:05 - Evaluating the relative natural productivity of hatchery origin steelhead trout (<i>Oncorhynchus mykiss</i>) from a segregated hatchery program in Eagle Creek, Oregon. <u>Andrew Matala</u>, US Fish and Wildlife Service 	Session Five continued

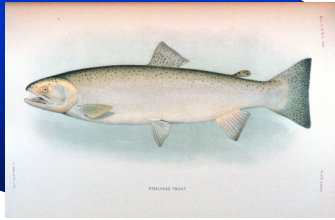
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Pacific Coast Steelhead Management Meeting

AGENDA

March 5th		Wednesday - continued	
12:30 - 1:30 pm	Lunch		
1:30 - 3:10 pm	<u>To Sea or Not to Sea?</u> <ul style="list-style-type: none">• 1:30 - Toward an understanding of patterns and processes contributing to anadromy and residency of <i>Oncorhynchus mykiss</i> in the John Day River, OR. <u>Jason Dunham</u>, U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center, Corvallis Research Group• 1:55 - Growth trajectories of Wild California steelhead parr. <u>David Swank</u>, University of California, Santa Cruz• 2:20 - Life history pathways in <i>Oncorhynchus mykiss</i>: Insights from stochastic dynamic programming models. <u>Will Satterthwaite</u>, University of California, Santa Cruz• 2:45 - Ocean Distribution and habitat of North American steelhead trout. <u>Nancy Davis</u>, University of Washington - High Seas Salmon Program		Session Five continued
3:10 - 3:25 pm	Break		
3:25 - 4:15 pm	<u>Population Dynamics: Incorporating environment</u> <ul style="list-style-type: none">• 3:25 - Assessing the impact of climate change on steelhead viability based on a newly found linkage between mountain snowpack and recruitment performance. <u>Mark Chilcote</u>, Oregon Department of Fish and Wildlife• 3:50 - Modeling life-history traits as functional responses to environmental conditions: an adaptation of the SHIRAZ model for <i>Oncorhynchus mykiss</i>. <u>Lucy Flynn</u>, Washington Department of Fish and Wildlife		Session Five continued
4:15 pm	Adjourn		
6:00 pm	Dinner and No-host bar		



Pacific Coast Steelhead Management Meeting

AGENDA

March 6th

Thursday

8:30 - 11:00am

Session Six - Bob Hooten Sorta Memorial "I'm Your Worst Nightmare" - Invited Panel

The speakers in this session will be presenting data and concepts that present "issues" for fishery managers. Following their presentations there will be a focused discussion that will involve the audience in determining how, or if, the observations presented can be managed for or included in steelhead life history and population dynamics models.

Hal Michael, Session Chair, Washington Department of Fish and Wildlife

- **8:30 - Modeling the upper extent of wild steelhead distribution in Washington's Lower Columbia River tributaries based on field surveys and GIS data: a method for estimating historical spawning distribution?**
Dan Rawding, Steve VanderPloeg, and Bryce Glaser, Washington Department of Fish and Wildlife
- **9:00 - Steelhead age structure. Differential time of return for different ages and life history trajectories, plus implications for management.**
Hal Michael, Washington Department of Fish and Wildlife
- **9:15 - What is the importance of repeat spawners, including return timing, spawn timing, differential sex ration, and fecundity? What is a good level of repeat spawners in a population? How do you manage to protect kelts?**
John McMillan, Oregon State University
- **9:30 - Nutrients for fish.**
Ken Ashley, Ken Ashley & Associates Ltd. Vancouver, BC
- **9:45 - Escapement goals for salmon and catch and release.**
Hal Michael, Washington Department of Fish and Wildlife
- **10:00 - Focused discussion involving panel members and audience.**

11:00 am

Adjourn