

## Wednesday, February 6

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8:00–8:20 AM      **Opening Remarks and Presidential Message**  
ICAFS President Bart Gamett

### ***Plenary Session: Impacts and Implications of Climate Change on Idaho's Fishery Resources***

8:20–8:30 AM      **Introduction to Plenary Session**  
Jim Fredericks, Moderator, ICAFS President Elect

8:30–9:10 AM      **Keynote Address *Nature's Trust: A legal, political, economic, and moral frame for global warming***  
Dr. Mary Christina Wood, University of Oregon School of Law

9:10–9:35 AM      ***Changing climate patterns in Idaho***  
Dr. Jen Pierce, Dept. of Geosciences, Boise State University

9:35–10:00 AM      ***Implications of climate change to fish communities in headwater systems***  
Dr. Dan Isaak, USFS Rocky Mountain Research Station

10:00–10:30 AM      BREAK (Convention Center Lobby)

10:30–10:55 AM      ***Implications of climate change to fish communities in mainstem systems***  
Dr. Rob Van Kirk, Dept. of Mathematics, Idaho State University

10:55–11:25 AM      **Agency Perspectives**  
Steve Yundt, Chief of Fisheries, Idaho Department of Fish and Game  
Ted Koch, Bull Trout Coordinator, US Fish and Wildlife Service  
Dave Tuthill, Director, Idaho Dept. of Water Resources

11:25–11:55 AM      **Panel Discussion**  
All Speakers

11:55–12:00 PM      **Concluding Remarks**  
Jim Fredericks, moderator

12:00–1:40 PM      BOX LUNCH: COMMITTEE BREAKOUTS

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### ***Session 1: Implications of Climate Change (contributed papers)***

1:40–1:45 PM      **Introduction to Session, Moderator**

1:45–2:05 PM      ***Conservation and restoration of native trout in the face of climate change, invasive species, and development***  
Robert E. Gresswell, US Geological Survey

2:05–2:25 PM      ***A GIS-based Approach to Prioritizing Strategies for Restoring Resistance and Resilience to Climate Change in Trout Populations***  
Helen M. Neville, Trout Unlimited

2:25–2:45 PM	<b><i>An Empirical Assessment of Salmonid Distribution Shifts Associated with Fires and Climate Trends in central Idaho Streams</i></b> Dona L. Horan, US Forest Service
2:45–3:05 PM	<b><i>Effects of land use, climate change, and stream riparian condition on fish trophic structure and diet composition in headwater streams</i></b> Mažeika S.P. Sullivan, University of Idaho
3:05–3:35 PM	BREAK
3:35–3:55 PM	<b><i>Spawning ecology and early life-stage survival influence the distribution of brown trout in a native cutthroat trout stream</i></b> Jeremiah Wood, Utah State University
3:55–4:15 PM	<b><i>Effects of Water Temperature on Growth and Physiology of Different Populations of Redband Trout (<i>Oncorhynchus mykiss gairdneri</i>)</i></b> John Casinelli, University of Idaho
4:10–5:00 PM	<b><i>Special Session: Palouse Unit History</i></b> Dean Holocek, Moderator, Palouse Unit President
5:30–PM	<b>STUDENT MIXER!!</b>

## **Thursday, February 7 (concurrent sessions)**

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	<b>Session 2: Culture (location TBA) Moderator: Bryan Grant</b>	<b>Session 3: Management (location TBA) Moderator:</b>
8:00–8:10 AM	Announcements and introduction to Session	Announcements and introduction to Session
8:10–8:30 AM	<b><i>Estimating water, land, and other resources used to produce beef and trout for human consumption in Idaho</i></b> Lubia Cajas-Cano, University of Idaho	<b><i>Identification of lake trout spawning locations in Lake Pend Oreille to enhance predator removal effort</i></b> Greg Schoby, Idaho Dept. of Fish and Game
8:30–8:50 AM	<b><i>Preliminary investigation into disease susceptibility of Burbot <i>Lota lota maculosa</i></i></b> Mark Polinski, University of Idaho	<b><i>Feasibility of Two Step System for Removing New Zealand Mudsnaills from Infested Hatchery Inflow Waters</i></b> Jordan Nielson, University of Idaho
8:50–9:10 AM	<b><i>Environmental Assessments for Therapeutants for Aquaculture Models, Process and Variables</i></b> Christine M. Moffitt, University of Idaho	<b><i>Evaluating the success of fingerling trout stockings in the recreational fishery in Henrys Lake, Idaho</i></b> Dan Garren, Idaho Dept. of Fish and Game
9:10–9:30 AM	<b><i>VHS virus: A threat to wild and cultured fish in Idaho</i></b> Scott LaPatra, Clear Springs Foods, Inc.	<b><i>Tiger muskellunge growth, condition, and effect on target prey species in two eastern Washington lakes</i></b> William Baker, Washington Dept. of Fish and Wildlife
9:30–9:50 AM	<b><i>Quantitative Polymerase Chain Reaction for Bacterial Kidney Disease</i></b>	<b><i>Survival and dispersal of triploid hatchery rainbow trout in an Idaho river</i></b>

**Surveillance at Idaho Department of Fish and Game Chinook Salmon Hatcheries**

Doug Munson, Idaho Dept. of Fish and Game

Brett High, Idaho Dept. of Fish and Game

9:50–10:15 AM

**BREAK**

**Session 4: Anadromous Fish (Location TBA)**

**Moderator:**

**Session 5: Fish Passage and Entrainment (Location TBA)**

**Moderator:**

10:15– 10:20 AM

**Introduction to Session**

Moderator

**Introduction to Session**

Moderator

10:20–10:40 AM

**Comparison of local versus aggregate population productivity for naturally produced spring/summer Chinook salmon in the Snake River basin**

Tim Copeland, Idaho Dept. of Fish and Game

**Mountain Whitefish Prosopium williamsoni Entrainment by Irrigation Diversions From The Big Lost River**

Patrick Kennedy, Utah State University

10:40–11:00 AM

**Genetic Variation and Structure of Chinook Salmon Life History Types in the Snake River**

Shawn R. Narum, Columbia River Inter-Tribal Fish Commission

**Effectiveness of Fish Screens to Reduce Entrainment and Losses of Threatened Salmonids into Irrigation Systems on the Lemhi River**

Chuck Warren, Idaho Dept. of Fish and Game

11:00–11:20 AM

**The Prevalence of Wild Juvenile Chinook Salmon from Lake Creek, Idaho that Rear a Second Year in Freshwater**

Ryan Kinzer, Nez Perce Tribe Dept. of Fisheries

**A consumptive-use approach to estimating the effects of water diversions on streamflow, Upper Salmon River Basin**

Eric Rothwell, National Marine Fisheries Service

11:20–11:40 AM

**Effects of tributary streamflow on juvenile spring/summer Chinook salmon size, migration, and survival in relation to life cycle productivity**

David L. Arthaud, National Marine Fisheries Service

**AOP-barrier removal on National Forests slowed by economic and political challenges**

Mike Kellett, USDA Forest Service

11:40–12:00 PM

**Abundance and Age of Migrating Juvenile Lemhi River Steelhead**

James V. Morrow Jr., National Marine Fisheries Service

**Movement, migration and spawning patterns of adult trout in a dammed and diverted section of the Henrys Fork**

Jim DeRito, Henry's Fork Foundation

12:00–2:15 PM

**Business Luncheon**

**Session 6: Stream Ecology (Location TBA)**

**Moderator:**

**Session 7: Resident Natives (Location TBA)**

**Moderator:**

2:15–2:20 PM

**Introduction to Session**

Moderator

**Introduction to Session**

Moderator

2:20—2:40 PM	<p><b><i>Juvenile Chinook Salmon Microhabitat Use, Availability, and Selection in a Central Idaho Wilderness Stream</i></b> Dean E. Holecek, University of Idaho</p>	<p><b><i>Abyssal Oasis: A Deeper Look into Lake Pend Oreille Fishes</i></b> Tarah Johnson, Idaho Dept. of Fish and Game</p>
2:40—3:00 PM	<p><b><i>The relative roles of biotic and abiotic factors in determining growth of juvenile Chinook in an Idaho wilderness stream</i></b> Kara J. Cromwell, University of Idaho</p>	<p><b><i>Evaluation of Recovery Goals for Endangered White Sturgeon in the Kootenai River, Idaho USA</i></b> Vaughn L. Paragamian, Idaho Dept. of Fish and Game</p>
3:00—3:20 PM	<p><b><i>Factors Influencing the Use of Side Channel Habitat by Westslope Cutthroat Trout</i></b> Bryan Stevens, University of Idaho</p>	<p><b><i>Preliminary investigations of an egg release to determine environmental requirements for successful spawning and recruitment of Kootenai River white sturgeon <i>Acipenser transmontanus</i></i></b> Tim Kiser, University of Idaho</p>
3:20—3:40 PM	<p><b><i>Floodplain contributions to basal resources and retention in montane rivers: Comparison of dredge-mined to reference segments</i></b> J. Ryan Bellmore, Idaho State University</p>	<p><b><i>An abundance estimate for redband trout (<i>Oncorhynchus mykiss gairdneri</i>) in the upper Spokane River, Washington</i></b> Rod O'Connor, Washington Dept. of Fish and Wildlife</p>
3:40—4:00 PM	<p><b><i>Comparison of Benthic and Emergent Insect Community Composition Affected by Wildfires of Varying Burn Severities</i></b> Rachel L. Malison, Idaho State University</p>	<p><b><i>Wood River sculpin distribution, abundance, and life history characteristics in Idaho</i></b> Kevin Meyer, Idaho Dept. of Fish and Game</p>
4:00—4:20 PM	<p><b><i>Do nonnative brook trout exhibit higher density, biomass and annual production than native cutthroat trout? A call for meta-analysis</i></b> Joseph R. Benjamin, Idaho State University</p>	<p><b><i>The Latest "Bull" on Bull Trout and the Endangered Species Act</i></b> Ted Koch, US Fish and Wildlife Service</p>
4:20—5:30 PM	<b>POSTER SESSION</b>	
Poster	<p><b><i>Genetic investigations of Bonneville cutthroat trout in the Bear River drainage, ID: Intra- and interspecific hybridization/introgression and distribution of mitochondrial DNA diversity</i></b> Matt Campbell, Idaho Dept. of Fish and Game</p>	
Poster	<p><b><i>Emergence Survival for Progeny of Captive-Reared Chinook Salmon Allowed to Spawn Naturally</i></b> Danielle Dorsch, Idaho Dept. of Fish and Game</p>	
Poster	<p><b><i>Efficacy of calcein as a fish mass-marking tool</i></b> Steven Elle, Idaho Dept. of Fish and Game</p>	
Poster	<p><b><i>PIT Tag Retention in stream-dwelling resident redband trout</i></b> Nick Gastelcutto, Idaho Dept. of Fish and Game</p>	
Poster	<p><b><i>Angler Use and Economics of Urban Fisheries in Idaho's Treasure Valley</i></b> J. Lance Hebdon, Idaho Dept. of Fish and Game</p>	

- Poster ***Hangman Creek Fisheries Enhancement Project: Summary of Assessment Phase***  
Bruce Kinkead, Coeur d'Alene Tribe Fisheries Program
- Poster ***Kootenai River Model Watershed Project***  
Gretchen Kruse, KTOI/Free Run Aquatic Research
- Poster ***Using Full Parental Genotyping to Determine the Efficacy of Streamside Incubators for Rearing Hatchery-Origin Steelhead Trout Eggs, and Increasing Population Abundance in the Yankee Fork, Salmon River, ID***  
Kurt Tardy, Shoshone-Bannock Tribes
- Poster ***Testing the Washington Department of Natural Resource's GIS Based Logistic Regression Model Predicting the Upper Extent of Fish Distribution in a Forested North Idaho Watershed***  
Chris Tretter, Idaho Dept. of Lands
- Poster ***Implementation Of A Model Watershed Approach In The Benewah Creek Watershed***  
Angelo Vitale, Coeur d'Alene Tribe Fisheries Program
- Poster ***Implementation Of A Model Watershed Approach: Catalyzing A Paradigm Shift Towards Long-Term, Scientific, And Adaptive River Restoration***  
Angelo Vitale, Coeur d'Alene Tribe Fisheries Program

## Friday, February 8, 2007

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### ***Session 8: Stream Restoration (Location TBA)***

**Moderator:**

- 8:00–8:10 AM Announcements and Introduction to Session
- 8:10–8:30 AM ***Restoring Kootenai River (Idaho) Fisheries Through Nutrient Enhancement***  
Ryan Hardy, Idaho Dept. of Fish and Game
- 8:30–8:50 AM ***Benewah Creek Temperature Dynamics in Relation to Native Westslope Cutthroat Trout Requirements***  
Stephanie Hallock, Coeur d'Alene Tribe Fisheries Program
- 8:50–9:10 AM ***Yellowdog Downey Watershed Restoration Project, its Effects on Channel Condition, Water Quality, and Fish Habitat***  
Ed Lider, USDA Forest Service
- 9:10–9:30 AM ***Integrating fish, forests, and fire to define restoration opportunities and conservation priorities in the South Fork Boise River, Idaho***  
Matthew R. Dare, USDA Forest Service
- 9:30–9:50 AM ***Longitudinal Variability in PNW Rivers: Implications for Survey Design***  
Robert M. Hughes, Oregon State University
- 9:50–10:15 AM BREAK

### ***Session 9: Techniques (Location TBA)***

**Moderator:**

- 10:15– 10:20 AM Introduction to Session
- 10:20–10:40 AM ***Relative effects of 8.5 mm Passive Integrated Transponder tags on subyearling***

**summer Chinook survival and growth**

Craig Rabe, Nez Perce Tribe Dept. of Fisheries

10:40–11:00 AM

***Development of a PIT-Tag Detection Array for the John Day River to Monitor Straying Snake River Adult Salmon and Steelhead***

Steve Anglea, Biomark, Inc.

11:00–11:20 AM

***Tracking fluvial cutthroat trout movements in the Bear River with stable isotope markers***

Warren Colyer, Trout Unlimited

11:20–11:40 AM

***An overview of otolith microchemistry: its application, utility and potential for addressing statewide issues in fish ecology and management***

Brian Kennedy, University of Idaho

11:40–12:00 PM

***Building the virtual museum: using digital photography to document fish populations for conservation and education purposes***

Ernest Keeley, Idaho State University

12:00–12:15 PM

Best Paper Awards