



Gill Raker Gazette

The Newsletter of the Idaho Chapter of the American Fisheries Society

2009 Annual Meeting Edition



President's Message

(The Cost and the Carbon)

By Jim Fredericks, ICAFS President

Greetings, chapter members! I'm happy to report the annual meeting is shaping up very well. Once again we've got a lot of great presentations lined up. We had a record number of submissions last year (47) and this year it's even higher with 50 contributed oral presentations and 18 posters. That's a real credit to our membership!! Not only is meeting attendance on the rise, but active contribution through oral and poster presentations is up as well. The Anadromous Committee has put together a great plenary session entitled ***Hatchery Supplementation for Fishery Conservation: Diverse Policies and Applications***. They've got an excellent panel lined up to cover policy and management issues, and an afternoon of contributed papers describing relevant case studies and examples.

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Those of you who've visited the website recently know that it's continually being modified to better serve our membership. We've recently added a link to an "Annual Meeting" page, complete with on-line registration. Last year, despite a few minor glitches, the on-line registration was a huge success. The bugs should be worked out for this year, so I think you'll find it quick and painless.

If you've checked the website, you might notice that registration fee is higher. The Presidents Message of October newsletter explained that our income was struggling to keep up with the meeting costs. At our recent Excom meeting, we discussed registration fees and how to balance the equation at great length. We considered a wide range of options, including a scaled down social, charging non-members to attend the social, re-implementing a nominal student fee, or raising registration fees. Based on the 2008 exit survey, the membership did not want a scaled down social. In fact, the majority of respondents (63%) supported the addition of a buffet meal with the social and were willing to pay for it. We also dismissed the idea of charging guests, and/or charging students. Guests bring a lot of energy (and money) to the fundraiser and we want to encourage that. Students do a tremendous amount of "volunteer" work at the annual meeting, and let's not forget that they spend hundreds of dollars feeding the rest of us at the student mixer. In the end, we unanimously agreed that raising the fees by \$75 was appropriate. Lest \$175 seem expensive, I ask you to keep three things in mind: 1) most meals are included in the

registration fee for the chapter meeting, 2) what an exceptional professional development opportunity ICAFS is, 3) the cost of 3-day private sector “professional development” courses you’ve attended (and how much you got from them). I believe, and I hope you will too, that the ICAFS annual meeting is still a bargain.

If you *don’t* agree, then you definitely don’t want to register late! Late registration not only creates a significant burden for our Secretary, Treasurer, and the registration desk, but it complicates the catering order and increases food costs. We’re encouraging on-line registration with a late fee. So please, **register before February 25th**, or you’ll be required to pay \$225 to register at the door.

Following last year’s extensive discussions on climate change, several people suggested the chapter seek ways to minimize our contribution to carbon emissions. I don’t believe our meetings are excessive or particularly wasteful, but there were some good ideas on how we might be able to better “walk the walk”. First, rather than disposing hundreds of plastic once-used beer cups at the social, we’ve arranged with the hotel to use our registration-gift glasses instead. One catch: no glass, no beer. But don’t despair—if you lose or break your glass, you’ll be able to purchase an additional one for \$5.

Another suggestion was to implement a “carbon offset fee”—a means of generating funds for contribution to an organization to plant trees or otherwise mitigate the carbon emissions associated with the meeting. Although this seems reasonable, the Excom had some legitimate concerns. What if an employer refused to pay an employee’s fee? Who would choose the organization to contribute to? Would \$10/person really offset our carbon impact? Inasmuch as we’d just agreed to raise the registration fees, and the potential pitfalls associated with a mandatory surcharge, we opted to offer the offset fee on a voluntary basis. The Palouse Unit has agreed to research and identify a worthy recipient of the proceeds. Therefore, if you and your employer approve of the carbon-offset fee, then you are invited to make the contribution when you register. Your receipt will not be itemized, so only the total registration fee will be recorded. If you (or whoever pays your registration fee) are skeptical, you are under no obligation.

If you’re still reading, I’ve got a final message. The fundraisers are working on a “jam session” during the social. We’ve got a lot of musical talent in the Chapter and a jam would be a great way to showcase it. But, they need to get the word out to musicians. If you, or someone you know is interested, please see Jason Vogel’s article later in this newsletter!

Safe travels throughout the winter and to the annual meeting. Remember, one of the most meaningful things we can do to minimize our carbon emissions during the meeting is minimize the number of vehicles we use to get there. Share a ride with a friend or two. We’ll see you in March!

2009 ICAFS Annual Meeting

Hatchery Supplementation for Fishery Conservation: Diverse Policies and Applications

In March 2009, the Idaho Chapter of the American Fisheries Society will be sponsoring a plenary session entitled "Hatchery Supplementation for Fishery Conservation: Diverse Policies and Applications" at its annual meeting. This event is being organized by the Anadromous Fish Committee. The goal of the session is to expose ICAFS members to the variety of thoughts and approaches to the use of hatchery supplementation as a tool for fishery conservation. We loosely define supplementation as the use of hatcheries to support fish populations in the wild. The plenary will begin with a session of invited speakers, followed by a panel discussion, and an additional session of case studies. The purpose of the first session is to present the policy and management views of local and regional fisheries agencies in regards to supplementation. The purpose of the second session is to present the variety of supplementation projects that are occurring in Idaho. Additionally, we are encouraging submittal of posters concerning any type of project pertinent to supplementation to complement the case studies presented in the second session. Supplementation is a hot topic in Idaho and the rest of the Pacific Northwest; these sessions will be a timely review of the variety of approaches to the subject.

Join Us for the 2009 Idaho Chapter Annual Meeting in Boise
Wednesday, March 4 through Friday, March 6th at the:

Doubletree Hotel Boise-Riverside
2900 Chinden Boulevard (208) 343-1871
Workshops held on Tuesday March 3rd

Reservations can now be made by telephone. For online reservations....check the ICAFS website! Rooms will be available at government rates, so please indicate that you are with AFS.

Meeting Registration Fee:
Before February 25: \$175
After February 25: \$225

[Workshops \(see page 6\): March 3, 2009](#)

Annual Meeting and Workshop Registration

Register online at <http://www.idahoafs.org/> or by sending this form to:

**Coeur d'Alene River Ranger District
 Attn: Matthew A. Davis
 2502 East Sherman Ave.
 Coeur d'Alene, ID 83814**

**All registrations (postal, on-line, e-mail) must be received by February 25th,
 otherwise, registration is at the door (you don't want that!)**

2009 Registration Form

Last Name: _____
 First Name: _____
 Affiliation: _____
 Mailing Address: _____
 City: _____ State: _____ Zip: _____
 Email Address: _____
 Phone:(work) _____ (Home): _____

2009 Annual Meeting Registration Fees:

Pre-Registration (received by Feb 25) (win the early-bird prize!)	\$175 _____
Late Registration (received after Feb 25 or at the door)	\$225 _____
Student Registration (if you are a Current 2009 AFS Member)	\$ 0 _____

2009 Workshop Registration Fees:

(Please indicate intention to attend by writing in the blank after the registration fee.)

Basics of Grant Writing (12:30-5:30)	\$ 65 _____
Preventing the Introduction and Spread Of Aquatic Nuisance and Invasive Species (8:00 to 5:00)	\$ 35 _____

Total Fees: _____

Please make checks payable to Idaho Chapter American Fisheries Society (ICAFS)

REGISTRAR INFO ONLY:

Date Received: _____
 Amount Received: _____
 Payment Method: _____
 Comment: _____

2009 Annual Meeting

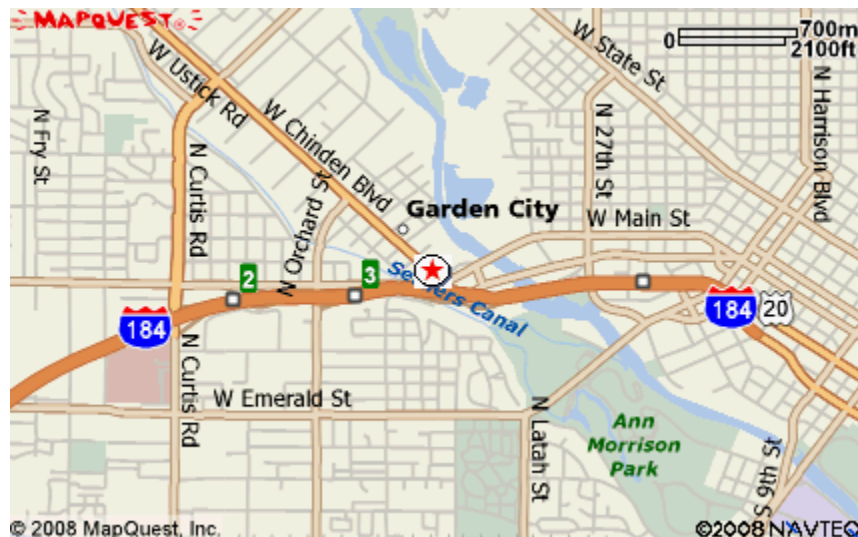
Doubletree Hotel Boise-Riverside

2900 Chinden Boulevard, Boise, Idaho
Tel: 1-208-343-1871, Fax: 1-208-344-1079



We have a block of rooms available but book your arrangements as early as possible. We expect a good turn out for this meeting.

NOTE: To get breakfast voucher and have AFS credited for room block be sure to say you are with the AFS conference when making reservations!



Directions: Interstate 84 West, exit 49 to Interstate 184 East, exit 3 to Fairview Avenue. First left onto Garden Street, continue through stop light, hotel on right hand side, next to Joe's Crab Shack Restaurant.

2009 WORKSHOPS

Workshop Agenda and Registration on-line at <http://www.idahoafs.org/>

Preventing the introduction and spread of Aquatic Nuisance and Invasive Species

Introductions of invasive species have caused significant economic and ecological problems throughout North America. After habitat loss, invasive species are considered the second most significant threat to native species.

A key to addressing the problems caused by aquatic nuisance species (ANS) is increasing public awareness of ANS, their impacts, and what individuals can do to prevent their introduction and spread. Hazard Analysis and Critical Control Point (HACCP) planning is a management tool that provides a structured method to identify risks and focus procedures that is being successfully used in natural resource pathway activities. Understanding pathways and developing plans to reduce non-target species and prevent biological contamination is necessary to avoid unintended spread of species.

The primary intent of this workshop is to prepare participants to develop and implement an HACCP plan. Training will also include: field gear and hatchery disinfection procedures, carcass distribution for nutrient enhancement issues, information on disinfectants and the differences of *in vivo* versus *in vitro* disinfection.

Course Sponsored by: ICAFS Aquaculture Committee

Course Instructor: Paul Heimowitz - USFWS, Aquatic Invasive Species Coordinator

Cost: \$35

Course Date and Location: March 3, 2009, 8AM-5PM Doubletree Riverside - Boise

Grant writing workshop

Many students and professionals are interested in writing grants for external funds to begin new research projects or to support and supplement current research efforts. However, many of us are not sure of where to look for grants or what makes a successful proposal and the idea of grant-writing can be rather intimidating.

The primary intent of this workshop is to provide participants with the basics of grant writing. We will cover the process of submitting a proposal, how to search for funding, how to read requests for proposals, the parts of the proposal, and some basics on budgeting. At the end of the day, participants will have gained a clear understanding of the process of writing a grant and will be ready to write their own grants!

Course Sponsored by: ICAFS Water Quality/Stream Hydrology Committee

Course Instructor: Sarah Koerber - UI, Proposal Development Specialist

Cost: \$65

Course Date and Location: March 3, 2009, 12:30-5:30PM Doubletree Riverside - Boise

2009 MEETING ACTIVITIES

Spawning Run

The "Spawning Run" along the banks of the Boise River will be reintroduced at the 2009 Idaho Chapter of the American Fisheries Society Annual Meeting. The 5K course will follow the Boise Greenbelt path along the Boise River, providing for a scenic and refreshing start to the meeting's second day (Thursday). We encourage all to participate by either walking or running. This is a good way to interact with each other. Bring your shoes to the meeting and plan on joining in.



Timing and official results of the spawning run will be provided by Biomark and will utilize the latest PIT Tag technology (tags to be attached externally). Post-race refreshments will be served. There will be awards for the top male and female finishers and age groupers in four categories: alevin (up to age 29), parr (30-39), smolts (40-49), and adults (50+) (we elected to leave out the "carcass" group).

Look for the sign-up sheets at the registration table. Pre-spawning staging will occur on Thursday at 6:00 am at the registration table. Run/walk will start at 6:15 am.

FishJam 2009

The first annual "FishJam" is planned for the 2009 Idaho Chapter AFS meeting. This is the first call for musicians! All musicians plan on bringing your instrument or your voice and taking part in the first annual Idaho AFS FishJam 2009 Session. After an unplugged practice jam session on Wednesday night March 4, 2009, there will be a stage and sound system for the real FishJam 2009 on Thursday the 5th after the fundraiser activities. The sound system will be provided, so all you need is an instrument. This should be very fun and hopefully the start of a new tradition. If you are interested you can contact Justin Bretz (justinb@nezperce.org) for details.



2009 Annual Meeting Draft Agenda

Wednesday, March 4

- 8:00–8:20 AM **Opening Remarks and Presidential Message**
ICAFS President, Jim Fredericks
- Plenary Session:**
- 8:20–8:30 AM **Introduction to Plenary Session**
Jeff Heindel, Moderator
- 8:30–8:55 **Supplementation—an IDFG Perspective**
Ed Schriever, Chief of Fisheries, Idaho Department of Fish and Game
- 8:55–9:20 **Nez Perce Tribe Perspective: Development and Use of Hatchery
Supplementation as a Tool to Rebuild Salmon Runs and Support Sustainable
Fisheries in the Snake Basin**
Joseph Oatman, Deputy Program Manager, Nez Perce Tribe Department
of Fisheries Resources Management
- 9:20–9:45 **Using Conservation Aquaculture as Part of an Integrated Approach to Native
Fish Restoration in the Lower Kootenai River: A Tribal Perspective**
Susan Ireland, Fish and Wildlife Program Director
Kootenai Tribe of Idaho
- 9:45–10:15 **BREAK**
(Sponsored by USFWS Lower Snake River Comp)
- 10:15–10:40 **Supplementation: A Viable Management Tool or Only Wishful Thinking?**
Rich Carmichael, Program Director, Fisheries Research and Development,
Oregon Department of Fish and Wildlife
- 10:40–11:05 **The Salmonid Enhancement Program in BC: Policies, Processes and Progress**
Don MacKinlay, Program Support Biologist, Department of Fisheries &
Oceans Canada
- 11:05–11:45 **Panel Discussion**
All Speakers
- 11:45–12:00 **Concluding Remarks**
Jeff Heindel, moderator
- 12:00–1:40 PM **BOX LUNCH: COMMITTEE BREAKOUTS** (see previous page for room
assignments)

Session 1: Supplementation Case Studies (contributed papers)

- 1:40–1:45 PM **Introduction to Session,**
Jeff Heindel, Moderator
- 1:45–2:05 PM ***Pedigree analysis reveals relative survival and abundance of juvenile hatchery
steelhead (*Oncorhynchus mykiss*) outplanted as eyed eggs in the Yankee Fork
Salmon River, Idaho***
Lytle Denny, Shoshone-Bannock Tribes
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- 2:05–2:25 PM ***How do we go from Notalota Iota to Alota Lota Iota***
Vaughn L. Paragamian, Idaho Department of Fish and Game
- 2:25–2:45 PM ***Working together to assist Snake River sockeye salmon: Utilizing partnerships between hatcheries and research to gain ground towards recovery***
Mike Peterson, Idaho Department of Fish and Game
- 2:45–3:05 PM ***Bigger is not always better – evaluating parr releases of endangered Snake River sockeye salmon *Oncorhynchus nerka* in three Sawtooth Valley lakes, Idaho***
Robert G. Griswold, Biolines Environmental Consulting
- 3:05–3:25 PM **BREAK**
(Sponsored by Kootenai Tribe of Idaho)
- 3:25–3:45 PM ***The Effects of Supplementation on Abundance, Productivity, and Survival of Johnson Creek Summer Chinook: A Ten Year Review***
Craig Rabe, Nez Perce Tribe
- 3:45–4:05 PM ***Abundance and productivity of spring Chinook from the Nez Perce Tribal Hatchery: A “NATURES” designed supplementation hatchery***
Sherman Sprague, Nez Perce Tribe
- 4:05–4:25 PM ***Captive rearing program for Salmon River Chinook salmon***
Eric Stark, Idaho Department of Fish and Game
- 4:25–4:45 PM ***Snake River Fall Chinook Salmon Management Actions: Use of the Hatchery Tool to Preserve a Population and Enhance Abundance***
Jay A. Hesse
- 4:45–5:00 PM **Concluding Comments and Wrap-up**
Moderator

5:30–PM

STUDENT MIXER!!**Thursday, March 5 (concurrent sessions)**

6:00–7:00 AM

ICAFS Spawning Run

	Session 2-A: Tagging and Techniques Moderator: ?	Session 2-B: Habitat Restoration and Assessment Moderator: ?
8:00–8:10	Announcements and introduction to Session	Announcements and introduction to Session
8:10–8:30	<i>Resolving natal origins and life history of wild fall Chinook salmon using otolith microchemistry</i> Brian P. Kennedy, University of Idaho	<i>Monitoring streams and riparian vegetation to detect effects of grazing management on fish habitat using multiple indicators</i> Tim Burton, Bureau of Land Management
8:30–8:50	<i>Use of dual frequency identification sonar to estimate adult salmon escapement in the Secesh River, Idaho: the rest of the story</i> Paul Kucera, Nez Perce Tribe	<i>Implementing a forest road and fish passage assessment for portions of four watersheds on the Coeur d'Alene Reservation</i> Stephanie Hallock, Coeur d'Alene Tribe Fisheries Program
8:50–9:10	<i>Assessing the feasibility of Parentage Based Tagging for estimating harvest of individual hatchery stocks in Idaho</i> Matthew R. Campbell, Idaho Department of Fish and Game	<i>Full moon demonstration project: restoration after remediation</i> Wade Jerome, USDA Forest Service

9:10–9:30	<i>Preliminary results of an in-stream pass over PIT tag array in the South Fork Salmon River and future applications</i> Rick Orme, Nez Perce Tribe	<i>Assessing the effects of alternative setback channel constraint scenarios employing a river meander migration model</i> Alex Fremier, University of Idaho
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9:30–9:50	<i>Marking of Snake River Basin anadromous fish: What is being done and can it be better integrated?</i> Jay A. Hesse, Nez Perce Tribe	<i>Use of remote sensing, satellite imagery, and on-the-ground field measures to classify salmon habitat and ecosystem structure in Big Creek, Idaho</i> Ellen J. Hamann, University of Idaho
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9:50–10:15 **BREAK**

Session 3-A: Anadromous Life History and Ecology
Moderator: ?

Session 3-B: Culture and Management
Moderator: ?

10:15–10:20 Introduction to Session

Introduction to Session

10:20–10:40 ***Comparison of the Lemhi River and Marsh Creek Chinook salmon populations, Volume 3, the Wet Years***
James Morrow, National Marine Fisheries Service

Evaluation of white sturgeon fishing effort in the CJ Strike Reach of the Snake River using a roving-access creel survey
Joseph R. Kozfkay, Idaho Dept. of Fish and Game

10:40–11:00 ***Sequence divergence of heat shock proteins within and among three Oncorhynchids***
Shawn Narum, Columbia River Inter-Tribal Fish Commission

Angler values, satisfaction, and management opinions for the Henry's Fork in Harriman State Park
Jim De Rito, Henry's Fork Foundation

11:00–11:20 ***Effects of an altered hydrologic regime on juvenile Oncorhynchus mykiss growth, survival and emigration***
Richard Hartson, University of Idaho

An assessment of the potential use of mollusks to improve water quality in aquaculture systems
Rebecca Fritz / Lubia Cajas, University of Idaho

11:20–11:40 ***Production, productivity, and life history characteristics of steelhead, Oncorhynchus mykiss, in the Potlatch River drainage, Idaho***
Brett J. Bowersox, Idaho Department of Fish and Game

Evaluation of mixed cell raceways at Dworshak National Fish Hatchery
Katherine M. Teater, University of Idaho

11:40–12:00 ***Migration and distribution of radio-tagged adult Pacific lamprey in the Snake River, ID***
Brian McIlraith, University of Idaho

Variation in the individual performance of juvenile Oncorhynchus mykiss: a comparison of multiple metrics of growth and condition
Chau Tran, University of Idaho

12:00–2:15 **BUSINESS LUNCHEON**
Location:

Session 4-A: Resident Natives
Moderator:

Session 4-B: Supplementation: Fish, Carcasses, and Nutrients
Moderator:

2:15–2:20 Introduction to Session

Introduction to Session

2:20—2:40	<p><i>A tale of two fishes and their future climatic fates: a case history of the Boise River Basin with relevance for Idaho</i> Daniel J. Isaak, USDA Forest Service</p>	<p><i>Evaluation of the Johnson Creek summer Chinook supplementation program using genetic parentage analysis; Do hatchery fish reproduce in the wild?</i> Jason L. Vogel, Nez Perce Tribe</p>
2:40—3:00	<p><i>A prey-driven model of habitat quality for stream-dwelling salmonid fishes</i> Ernest Keeley, Idaho State University</p>	<p><i>Demographic and genetic impacts of hatchery-origin Chinook salmon to the South Fork Salmon River population</i> William P. Young, Nez Perce Tribe</p>
3:00—3:20	<p><i>Temperature selection of Bonneville cutthroat trout based on summer river temperatures in the Bear River of Idaho and Wyoming</i> Ryan W. Hillyard, Idaho State University</p>	<p><i>Abundance, survival, and productivity of spring Chinook salmon in the Lostine River, Oregon, after eleven years of supplementation</i> Peter J. Cleary, Nez Perce Tribe</p>
3:20—3:40	<p><i>Assessment of cutthroat trout habitat access & availability in three creeks of Caribou County, Idaho</i> Jamie C. M. Young, SWCA Environmental Consultants</p>	<p><i>There's no fish like dead fish: How do salmon additions influence resident-fish growth?</i> Scott Collins, Idaho State University</p>
3:40—4:00	<p><i>Irrigation diversion impacts on the mountain whitefish (<i>Prosopium williamsoni</i>) population in the Big Lost River</i> Patrick Kennedy, Utah State University</p>	<p><i>Short-term periphyton and nutrient responses to experimental salmon additions in headwater streams</i> Amy M. Marcarelli, Idaho State University</p>
4:00—4:20	<p><i>Detecting change with the Conservation Success Index: Mountain whitefish in the Big Lost River basin</i> Daniel C. Dauwalter, Trout Unlimited</p>	<p><i>Testing assumptions behind alternative recovery strategies for anadromous salmonids: An analysis of food limitation in the upper Salmon basin, Idaho</i> J. Ryan Bellmore, Idaho State University</p>
4:30—5:00	<p><i>Poster Session Speed Presentations!</i></p>	

POSTER SESSION (location)

4:30—5:00 PM	<p>Speed Presentations (3 minutes each):</p> <p><i>Determination of Available Late Summer Rearing Habitat for Wild Juvenile Steelhead, <i>Oncorhynchus mykiss</i>, in the Potlatch River, Idaho</i> Ryan Banks, Idaho Department of Fish and Game</p> <p><i>The use of genetic methods to maintain genetic diversity within an endangered captive broodstock program</i> Amanda J. Boone, Idaho Department of Fish and Game</p> <p><i>Managing population specific Chinook salmon (<i>Oncorhynchus tshawytscha</i>) harvest while promoting recovery of a listed species</i> Scott Brandt, Shoshone-Bannock Tribes</p> <p><i>Life History Evaluation of Hatchery Supplementation Fish and Natural Origin Fish in Lolo and Newsome creeks in the Clearwater Basin, Idaho</i> Justin Bretz, Nez Perce Tribe</p> <p><i>Development of aquaculture methods for burbot (<i>Lota lota</i>)</i> Kenneth D Cain, University of Idaho</p>	
Speed Presentation		
Speed Presentation		

- Speed Presentation ***Parr production from adult hatchery steelhead planted in two tributaries to the headwaters of the Salmon River, Idaho***
Tim Copeland, Idaho Department of Fish & Game
- Management of anthropogenically derived hybrid populations: explicit recognition of assumptions***
Matthew P. Corsi, University of Montana
- Speed Presentation ***Relationship of wild steelhead, *Oncorhynchus mykiss*, migration patterns with flow events in Big Bear Creek, Potlatch River, ID***
Ethan Crawford, Idaho Department of Fish and Game
- Relationships Between Benthic and Drift Production and the Trophic Transfer of Energy to Juvenile Chinook Salmon***
Kara J. Cromwell
- Pedigree analysis reveals relative survival and abundance of juvenile hatchery steelhead (*Oncorhynchus mykiss*) outplanted as eyed eggs in the Yankee Fork Salmon River, Idaho***
Lytle Denny, Shoshone-Bannock Tribes
- Emergence survival of progeny from captive-reared Chinook salmon released to spawn naturally in the East Fork Salmon River***
Josh Gable, Idaho Department of Fish and Game
- Speed Presentation ***History and the mystery***
Robert M. Hoover Idaho Department of Fish and Game
- Speed Presentation ***A map of thermally suitable bull trout natal habitats across the interior Columbia River basin: current and future distributions projected under climate change***
Daniel J. Isaak, USDA Forest Service
- Speed Presentation ***Burbot extensive rearing – exploring short term solutions for burbot rehabilitation in the Kootenai River***
Corie Laude, Idaho Department of Fish and Game
- Life history comparisons of natural and supplemented Chinook salmon in Johnson Creek, Idaho***
Doug Nelson, Nez Perce Tribe
- Working together to assist Snake River sockeye salmon: Utilizing partnerships between hatcheries and research to gain ground towards recovery***
Mike Peterson, Idaho Department of Fish and Game
- Speed Presentation ***Develop a naturalized Chinook salmon (*Oncorhynchus tshawytscha*) population in the Yankee Fork Salmon River using volitional adult spawner and juvenile smolt releases***
Kurt Tardy, Shoshone-Bannock Tribes
- Speed Presentation ***Idaho supplementation studies: Determining the long-term effects of supplementation on naturally spawning Chinook salmon populations***
David A. Venditti, Idaho Department of Fish and Game

6:00—?? PM

EVENING SOCIAL AND AUCTION!

Friday, March 6, 2009

Session 5: Managing Invasives

Moderator:

- 8:00–8:10 AM Announcements and Introduction to Session
- 8:10–8:30 ***Using GIS to estimate the risks and benefits of barrier removal to native fish populations in Idaho***
Paul Reyes, University of Idaho
- 8:30–8:50 ***Are population genetic studies of cutthroat trout congruent with our knowledge of cutthroat trout ecology and life history?***
Matthew P. Corsi, University of Montana
- 8:50–9:10 ***Identification of bull trout, brook trout, and their hybrids based on phenotype***
Bart L. Gamett, USDA Forest Service
- 9:10–9:30 ***An experimental comparison of food web effects by native and nonnative trout***
Joseph R. Benjamin, Idaho State University
- 9:30–9:50 ***Comparison of trophic basis of production for native and non-native fishes in the Colorado River, Grand Canyon***
Kevin Donner, Idaho State University
- 9:50–10:10 ***Colorado's zebra/quagga mussel monitoring program***
Kelly Stockton, University of Idaho and Colorado Division of Wildlife
- 10:10– 10:30 **BREAK**
- 10:30–10:50 ***Effects of abiotic and biotic factors on the abundance of larval freshwater drum (Aplodinotus grunniens)***
Chris Sullivan, University of Nebraska
- 10:50–11:10 ***Predator removal in Lake Pend Oreille: an update on recent efforts***
Andy Dux, Idaho Department of Fish and Game
- 11:10–11:30 ***Competition as a factor in displacement of native cutthroat trout by nonnative rainbow and hybrid trout***
Laurie Battle, Montana Tech
- 11:30–11:50 ***Effectiveness of flow management and rainbow trout harvest on long-term viability of native Yellowstone cutthroat trout in the South Fork Snake River***
Rob Van Kirk, Humboldt State University
- 11:50–12:10 ***Age, sex distribution and fecundity of the invasive Oriental Weatherfish (Misgurnus anguillicaudatus) in Idaho***
Alex Urquhart, Boise State University
- 12:15–12:25 Best Paper Awards

Travel Safely!

ICAFS Social and Auction



Thursday, March 5



Featuring:

Food and Beverages

Silent and Live Auction

Dozens of Raffle Items

Football Toss

and

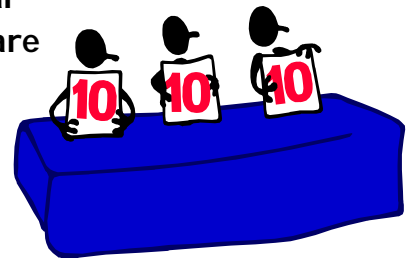
FishJam 2009!



Fly tyers: warm up your vises and bring your handcrafted flies to the meeting or mail them to Mike Peterson, to dress up *O. idahoii*. Flies of all shapes and sizes encouraged. As an added incentive, **FOR EVERY HALF-DOZEN FLIES YOU BRING, YOU GET 3 GENERAL RAFFLE TICKETS!!**

Judges Needed!

The Palouse Unit AFS administers the best paper and poster awards for students and professionals at the Idaho Chapter annual meetings. As always, we need chapter members who are willing to score presentations for us. Because of concurrent sessions, we will need more judges than in the past!



If you are interested in volunteering as a judge please contact Tarah Johnson (john3002@vandals.uidaho.edu) as soon as possible.

2009 Fund Raising--Call for Donations

The meeting is only a few short weeks away and we really need to pick up the pace on donations. Once again, we have sent out over 350 letters to businesses asking for their support and donations. We are hoping that the general membership can assist the fundraising committee this year with gathering donations. Please take a minute to ask friends, family or someone out of the blue who owns a business if they would like to support ICAFS.

If you would be willing to donate your fishing or hunting expertise (for auction trips), or if you know a guide or outfitter who might be willing to donate a day or two of their time please let me know; it would be greatly appreciated!

Over the past few years we have been very fortunate to have some of our artistically talented members show up with artwork to donate. Those items have been a big success and we hope that some of you will once again be willing to share your skills with the chapter. Hand-crafted items are always welcome so bring your favorites. Remember, all donations are tax deductible and we have developed a "face to face letter" which contains our nonprofit information (tax exempt # etc.). Please find a copy of this letter attached to this message. If this would be of use to anyone please contact me, and I will send you a copy.

Please remember to support those businesses that support our chapter. We have a list of our sponsors located on our website at <http://www.idahoafs.org/sponsors.php> . We have tried to make this list as accurate as possible but if you are aware of any omissions, please contact us.

Don't forget about the Fish-O-Flies, *Oncorhynchus idahoii*

Fellow tyers, warm up your vises and bring your handcrafted flies to the meeting or mail them to Mike Peterson, to dress up *O. idahoii*. Flies of all shapes and sizes encouraged. As an added incentive, **FOR EVERY HALF-DOZEN FLIES YOU BRING, YOU GET 3 GENERAL RAFFLE TICKETS!!**

Bring your money to support the ICAFS and have fun at this year's social.

[Remember folks, nothing is too small or too inexpensive to donate, and this is our once-a-year opportunity to raise money for the chapter. If you have items to donate, please send them to the address below or call, and we can make other arrangements.](#)

Idaho Chapter American Fisheries Society
c/o John Cassinelli
1414 E Locust Lane
Nampa, ID 83686

(208)465-8404

2009 AFS OFFICER NOMINATIONS

Brett High, our Nominations Committee Chair, has identified below some extraordinary candidates. Candidates for each position are listed in alphabetical order.

Position: VICE PRESIDENT

Christopher Peery

Chris has recently taken a position as fisheries scientist at Cramer fish Sciences in Moscow, ID. Prior to this Chris served as Assistant Research Professor in the Department of Fish and Wildlife, College of Natural Resources at the University of Idaho. Chris also earned his Ph.D. in fisheries at the University of Idaho. His education also includes an MA in biological Oceanography from The College of William and Mary, Virginia, and BA in Biology from Linfield College, Oregon. Chris's work over the last 13 years has involved studies on a range of aspect of the ecology of salmon and steelhead, lamprey, sturgeon in the Columbia Basin. His work has focused on factors that affect behavior and survival of juvenile and adult migrating salmon. Lately, Chris has been involved in Pacific lamprey and habitat restoration efforts. For fun Chris runs marathons and lavishing attention on his twin daughters. Chris has lived and worked in Idaho for almost 20 years and is familiar with the issues and challenges facing our fisheries and fisheries professionals. He flooks forward to being able to use his scientific background to the benefit of the Chapter and to increasing his interaction with the fisheries community across the state and region.

Jason Vogel

Jason is currently the Research Division Deputy Director with the Nez Perce Tribe Department of Fisheries Resources Management where has worked since 2006. Jason served as a Research Project Leader in the Nez Perce Tribe McCall Office from 1998 - 2005. Prior to joining the Nez Perce Tribe, Jason received an M.S. in Fish & Wildlife from Utah State University and a B.S in Fishery Resources from the University of Idaho. Jason has been an active member of the ICAFS, serving as chair of the Anadromous Fish committee from 2004 through 2007, where he helped develop the "Idaho Salmon and Steelhead" brochure and the plenary session for this year's annual chapter meeting. He also serves as a co-chair of the Fundraising committee (remember to bring your money to donate at this years fundraising activities). Jason has been an active member of AFS since 1993, and has found participation and contribution to the AFS has been very rewarding and has built relationships that will last a lifetime. Also AFS and has been instrumental in his professional development. He would be honored to serve as Vice-President of the ICAFS and assures the membership that he would look forward to using his talents and talents of ExCom in moving the Idaho Chapter forward.

SECRETARY/TREASURER

Mick Hoover

Mick Hoover is currently the Idaho Department of Fish and Game's Assistant Hatchery Manager of the Mackay State Fish Hatchery. His fisheries career started in the private sector allowing for a contrast in hatchery philosophy when starting with IDFG. He has worked for the Department since 1990 and has always been sensitive to the surrounding region's fisheries management goals and objectives with respect to hatchery stocking programs. As a specialty hatchery, Mackay Hatchery has afforded Mick experience in raising and stocking 9 species and 36 different strains of trout and salmon and is responsible for creating the infamous Mackay Magnums. Mick has also participated in fisheries fieldwork such as electrofishing, fishing access acquisition and concerns, creel census, and angler opinion surveys. Mick has enjoyed attendance at ICAFS meetings and workshops since 2004. He earned his BS degree in Biological Sciences in Wildlife Ecology in 1979 from Michigan Technological University. He served as a committee member of the Yellowstone Cutthroat team from 1996-99, providing a hatchery perspective for management goals. This led to the establishment of a viable catchable cutthroat, which has become available for use as a management tool. Mick has cooperated with the regional Forest Service, providing historical documentation relative to their Big Lost River Whitefish management and assisted with related research projects conducted at Mackay Hatchery. Through Mick's personal interests in history, he was asked to draft the Department's Historical Artifacts Policy, was subsequently appointed IDFG's Curator, and created the "A Century of State Fish Hatcheries: 1907-2007" museum exhibit, illustrating history as an outreach tool. Since 2002, he has been a staff writer for the Idaho Fish and Game News tabloid feature "Blast From the Past." Mick has also served as Treasurer of the Mackay Mine Hill Preservation Fund, a 501(c)3 non-profit organization since 1999.

Kajsa Stromberg

Kajsa is a Watershed Coordinator for the Idaho Department of Environmental Quality in Coeur d'Alene, where her work covers a wide range of aquatics issues for the northern 5 counties of Idaho. She primarily focuses on aquatic habitats and water quality management in the North Fork Coeur d'Alene River Subbasin. Kajsa spent most of her childhood in the Boise area and was happy to return to Idaho after receiving a B.S. in Biology from Kansas State University in 2000. She completed an M.S. in Fishery Resources from the University of Idaho in 2004 where she served as co-president for the Palouse Unit. Prior to joining IDEQ in 2007, Kajsa's work experience included technical outreach for the Whirling Disease Initiative, conservation coordinator for the Federation of Fly Fishers, watersheds restoration with the Palouse-Clearwater Environmental Institute, and stream bio-assessments for IDEQ. Kajsa has been an active member of the American Fisheries Society by co-hosting a Hutton Scholar, presenting at state, division, and national meetings, duplicating and distributing the documentary film "Rising From the Shadows:

The Return of the Cutthroat Trout," and serving as Newsletter Editor for the Western Division AFS since 2006. Kajsja would be honored to serve the Idaho Chapter and contribute her commitment, experience and enthusiasm to this great group of fish-heads.

NOMINATIONS CHAIR

Martin Koenig

Martin has been an active member of AFS since 2000 when he joined the organization as a student. He gained some initial leadership experience while serving a year as President of the Davis Student Sub-unit for the Cal-Nevada Chapter. Martin went on to obtain a BS in Wildlife, Fish and Conservation Biology from the University of California, Davis and an MS in Fisheries Biology from Utah State University. After working with salmon and steelhead for the California Department of Water Resources, Martin began working with Idaho fisheries in 2003 during his graduate research at USU. After graduation and a short tenure in environmental consulting, he returned to Idaho in 2006. When Martin isn't searching for the best places to fish throughout the West, he works as a Research Biologist for the Idaho Department of Fish and Game. He currently manages several state-wide projects aimed at evaluating resident fish hatchery programs, focusing mainly on field trials of sterile salmonids. Martin is looking forward to using his diverse background and exceptional interpersonal skills to contribute more directly to the Chapter as the Nominations Chair.

John Chatel

John is currently the Aquatics Program Manager (Fisheries and Hydrology) for the Sawtooth National Forest in Twin Falls Idaho working closely with state, Tribal, Regional, National, Research, and Interagency biologists. He has severed in his current position for the last 6 ½ years. John worked as the assistant forest fisheries biologist on the Umpqua National Forest (1998-2002) and as a zone fisheries biologist in Sandpoint Idaho for the Idaho Panhandle National Forest (1993-1998). John has a B.S. in Environmental Biology from Humboldt State University and a M.S. in Environmental Studies (emphasis fisheries and watershed sciences) from the University of Montana. John also is a member of the Sawtooth's forest leadership team and a Burned Area Emergency Response (BAER) team leader. John has been a national member of the American Fisheries Society since 1993. John is interested in becoming more active in the ICAFS by serving as the Nominations Chair and believes his diverse background and experience will help recruit chapter members from a good cross-section of fisheries professionals that will have the ability to successfully lead the ICAFS in the coming years.

Editors Note: Our entire membership owes ALL of these candidates our gratitude for their willingness to step forward and serve the Chapter! I don't believe a Nominations Chair has ever heard someone say "sure I'll do it! I have lot's of spare time!"

Upcoming Events

1— The 2009 State of the Salmon Conference: Bringing the Future into Focus

February 2-5, 2009, The Fairmont Waterfront Hotel, Vancouver BC, Canada
 State of the Salmon is the event organizer. For details, go to
www.stateofthesalmon.org/conference2009

2 — Western Division — American Fisheries Society, Annual Meeting

Evolution of the Western Landscape: balancing habitat, land, and water management for fish
 May 3— 7, 2009, Albuquerque, New Mexico. For details go to: www.aznmfishsoup.org

ICAFS EXCOM AND COMMITTEE CHAIRS

2008 Executive Committee

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