

---

# Gill Raker Gazette

---

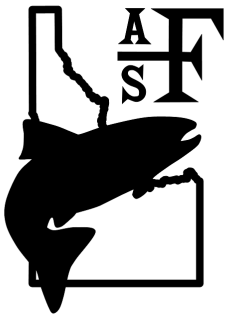
Volume 32, Issue 1

January 2013

Editor: Tom Curet

---

## SPECIAL EDITION!



### INSIDE THIS ISSUE

Introduction	1
Meeting Announcement	2
Call for Papers	3
Workshop Details	4-10
Symposia Details	11-12
Scholarships and Awards	13
Chapter Officers	14

2013 is destined to be a remarkable time for our chapter. In 2013 our chapter turns 50 years old and in April we have the privilege of hosting the western division meeting of the American Fisheries Society in Boise! This year we are able to offer an unprecedented opportunity for training and professional development for chapter members. The 2013 annual meeting will feature five workshops and a student colloquium, which will be held on April 15. **Participation in workshops is limited**, so you should register ASAP if interested. Registration for the workshops is completed when registering for the annual meeting. Detailed information relative to the workshops are found on pages 4-10 of this issue. The 2013 annual meeting will also feature 27 symposia which will be held on April 16-18. Details of the symposia are listed on pages 10-11 and information for the entire meeting, including registration, can be found on our chapter webpage at:

<http://www.idahoafs.org/2013AnnualMeeting/>

Please take a few minutes and read this special edition of the Gill Raker Gazette to see what training and professional development opportunities are available to you. Key deadlines for the upcoming meeting:

**February 14:** deadline for Paper and Poster Submissions ([www.idahoafs.org](http://www.idahoafs.org))

**February 28:** deadline for Award Nominations and Scholarships (page 10)

**March 15:** deadline for early registration



# Western Division AFS

## Boise, Idaho April 15-18, 2013

### Fisheries: Learning from the Past and Looking Towards the Future

#### Highlights of the meeting

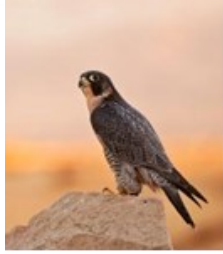
- Six workshops will be provided on April 15
- A Plenary Session where we can learn from some true AFS legends and celebrate the Idaho Chapter's 50-year anniversary
- Twenty-seven symposia will be provided April 16-18
- A wide diversity of contributed papers and posters covering topics across the west.
- Three different socials to network with students and professionals.

Sponsored by AFS Idaho Chapter and



#### While in Boise, you can also:

- Tour the World Center for Birds of Prey
- Experience spring skiing at Bogus Basin
- Whitewater raft one of the local world famous rivers
- Hike, jog, or bike the green belt, foothills, or local wildlife management areas.
- Tour local wineries (20+) or breweries (7)
- Fish for steelhead in the Boise River just 5 minutes from the Grove Hotel.



All photos courtesy of Boise Metro Chamber of Commerce

#### Contacts:

Program and Local Arrangements

Joe DuPont [joe.dupont@idfg.idaho.gov](mailto:joe.dupont@idfg.idaho.gov) or 208-799-5010

Pamela Sponholtz [pamela\\_sponholtz@fws.gov](mailto:pamela_sponholtz@fws.gov) or 303-236-4255

# Call for Paper and Poster Submissions!!

The 2013 Western Division AFS Program Committee is pleased to announce its call for all papers and posters for the Western Division Annual Meeting of the American Fisheries Society to be held in Boise, Idaho from April 15-18, 2013! The Western Division encompasses three countries from Mexico to Alaska and the Pacific Coast to Colorado. People from, but not limited to, this area will be participating at this event.

Presenters will be able to contribute to one of 27 symposia, add to the diverse array of general oral presentations, and/or provide a poster where one can engage one-on-one with numerous attendees on a particular subject. All presentations must be submitted at <http://www.idahoafs.org/2013AnnualMeeting/submissions.php> . Guidelines on how to submit your oral presentations and posters can be found on this website.

**The deadline for paper and poster submissions is**  
**February 14, 2013!**

If you have questions, feel free to contact the program committee:

#### Symposia and Contributing Paper Contacts

Joe DuPont at [joe.dupont@idfg.idaho.gov](mailto:joe.dupont@idfg.idaho.gov) or 208-799-5010

Pamela Sponholtz at [Pamela\\_sponholtz@fws.gov](mailto:Pamela_sponholtz@fws.gov) or 303-236-4255

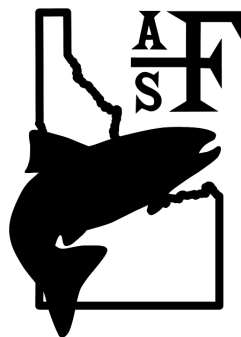
#### Contributing Poster Contact

Corey Lyman, [clyman@fs.fed.us](mailto:clyman@fs.fed.us); 208-557-5838

# 2013 WDAFS Annual Meeting

## Workshops

### April 15, 2013

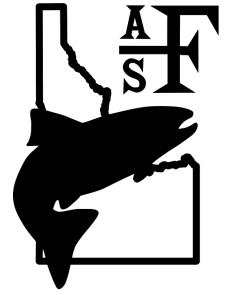


We are pleased to offer several workshops at this year's annual WDAFS meeting in Boise, ID on April 15, 2013. Full and half day workshops will cover topics including stress and fish physiology, habitat restoration, spatial statistics, electrofishing methods, and a new approach to sharing methods and protocols. Additionally, there will be a student colloquium, where students can get extra presentation experience and feedback. Don't miss this opportunity for professional development!



## Power-Based Standardization In Electrofishing

Organizer: James B. Reynolds  
 University of Alaska-Fairbanks  
 jbreynolds@alaska.edu, 480-414-7993



Location: Boise Centre

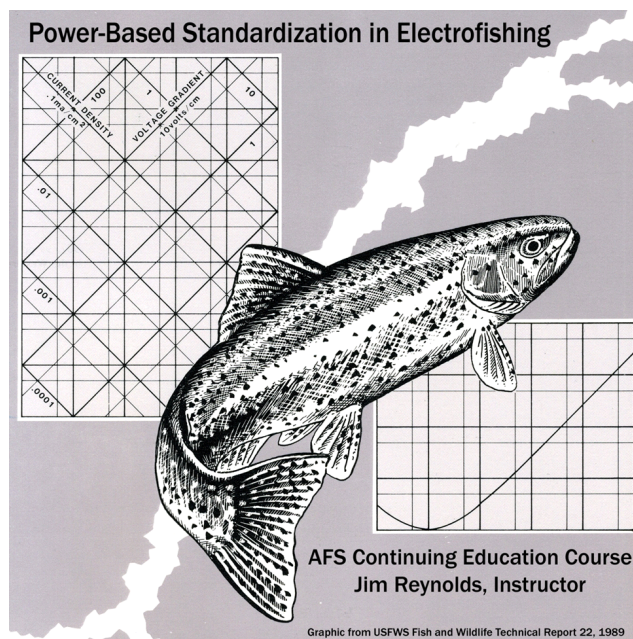
Workshop Length: Half Day

Cost: \$30

Lunch: On your own

Workshop Abstract:

Standardization of electrofishing, a common sampling method, requires an understanding of electrical principles, particularly power transfer theory. This half-day course will present the theory and practice of power-based standardization in electrofishing, and be presented in three 70-minute sessions with two intervening 15-minute breaks. Basic electrical principles, including power transfer, will be covered in Session 1; elements of power-based standardization in Session 2; and development of standardized power procedures in Session 3. Participants will receive an overview of the proper approach to electrofishing standardization, regardless of method (e.g., boat, backpack).



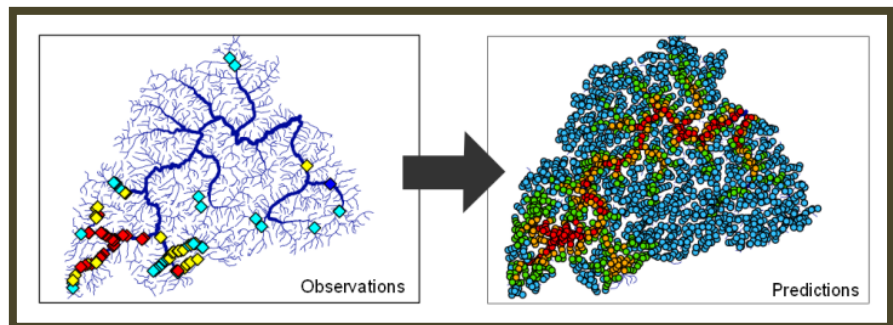


# Spatial Statistical Modeling on Stream Networks



Jay M. Ver Hoef, NOAA Fisheries, Alaska Fisheries Science Center  
Erin Peterson, CSIRO Division of Mathematics, Informatics & Statistics  
Dan Isaak, USFS, Rocky Mountain Research Station

Organizer: Dan Isaak, [disaak@fs.fed.us](mailto:disaak@fs.fed.us), 208-373-4385  
Location: Idaho Water Center (1/2 mile from Boise Centre)  
Workshop Length: Full Day  
Cost: \$100  
Registration Limit: 25  
Lunch: On your own



## Workshop Abstract:

This workshop is being conducted by two of the world's leading stream statisticians. The workshop will use free software to analyze detailed, real-world examples. Exciting new research questions have recently emerged in aquatic ecology; questions that are related to biological, ecological, and physical processes at multiple scales. Sparsely sampled locations make it difficult to recognize multi-scale patterns, and it is prohibitively costly to collect a continuous sample throughout space. Spatial statistical methods, however, use spatial data efficiently, and can be used to investigate spatial patterns in streams, relate patterns to processes, and make predictions throughout stream networks.

Spatial statistical models are typically based on Euclidean distance, which may not be ecologically relevant for many aquatic processes because of flow direction, flow volume, and the network structure of streams. Functional distances that use flow and hydrologic distance better represent the transfer of organisms, material, and energy through networks. Yet, calculating these functional distances for a stream network remains challenging, and substituting hydrologic distance for Euclidean distance usually violates spatial statistical modeling assumptions.

**The goal of this workshop is to share new ideas and software to better analyze data from stream networks.**

<http://www.fs.fed.us/rm/boise/AWAE/projects/SpatialStreamNetworks.shtml>

# Physical and Biological Considerations Related to the Use of Wood in Aquatic Habitat and Stream Restoration Actions

George Pess, NOAA-NWFSC

Roger Peters, USFWS

Mike McHenry, Elwha Tribe

Tim Abbe, PEG/PHG, Natural Systems Design

Jeanne McFall, PSMFC/IDFG

Organizer: Jeanne McFall, PSMFC/IDFG, [jeanne.mcfall@idfg.idaho.gov](mailto:jeanne.mcfall@idfg.idaho.gov), 208-287-2792

Location: Boise Centre

Workshop Length: Full Day

Cost: \$70

Registration Limit: 42

Lunch: On your own

Workshop Abstract:

This Workshop, taught by leading experts in the field of stream restoration and fish response, will focus on improving habitat through the use of wood structures. Included will be an overview of fluvial processes and river dynamics, hydraulic considerations and structure design, implementation and logistics (including permitting), and lessons learned through years of design and construction. Also included will be a discussion on the evolution of project monitoring and the biological response, design of monitoring plans, and the dynamics of fish populations post-construction. We will culminate with an open dialogue from participants and the challenges faced by audience practitioners.

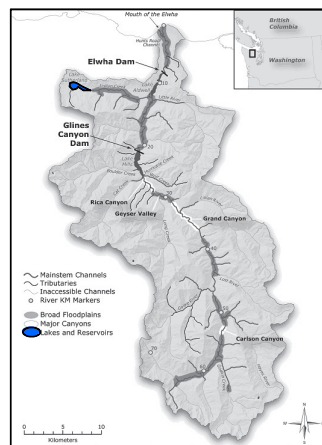


Photo courtesy of John McMillan



## Physiological Stress in Fish Culture and Fish Management

Organizer: Doug Munson, Idaho Department of Fish and Game  
doug.munson@idfg.idaho.gov, 208-939-2413

Location: Boise Centre

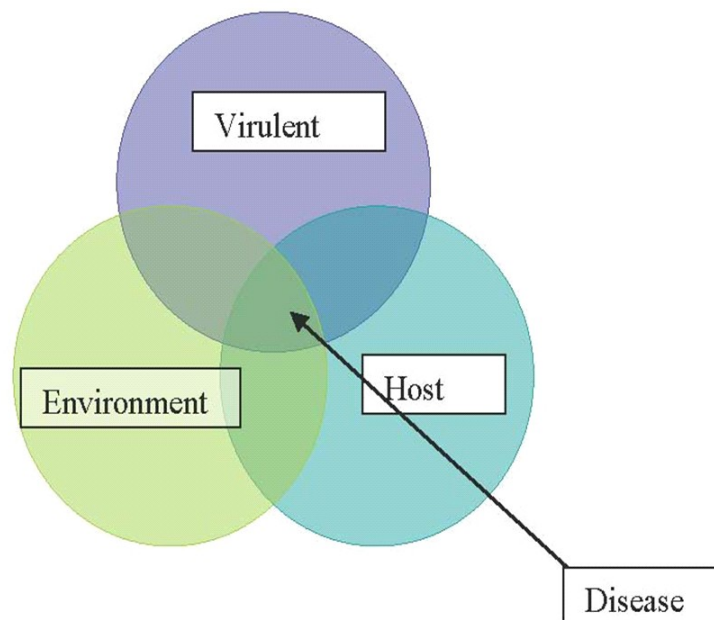
Workshop Length: Half Day

Cost: \$25

Lunch: On your own

Workshop Abstract:

This half day continuing education program will present multiple topics of physiological stress as it relates to fish culture and fish management. Topics will include General Adaptive Syndrome (effects of bad stress) and explore the concepts of training fish to handle stress (good stress) so they might survive at higher rates after release from a hatchery setting. Concepts presented at these presentations will be applicable to fish culture and hatchery management. If you have any questions please call Doug Munson at (208)939-2413 or Bryan Grant at(208)427-6364.



## How Many Different Ways is this Method Implemented?

Discussion of best practices for snorkeling methodology and pool measurement methods.

Amy Puls, PNAMP

Jacque Schei, PANMP



Organizer: Jacque Schei, [jschei@usgs.gov](mailto:jschei@usgs.gov), 509-538-2299 ext. 282

Location: Boise Centre

Workshop Length: Half Day

Cost: \$25

Registration Limit: 20

Lunch: On your own

Workshop Abstract:

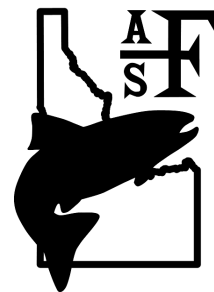
Please join us for a half day workshop to discuss best practices and learn how MonitoringMethods.org can inform and support methods reviews by the community. Developed by the Pacific Northwest Aquatic Monitoring Partnership (PNAMP), MonitoringMethods.org is an online tool that supports documentation of methods and protocols. It also provides an easily accessible library of methods and protocols to support sharing and collaboration. MonitoringMethods.org content has grown to a point that we can now see trends, including documentation of seemingly redundant techniques. Are these methods really documenting different techniques and if so, why? In this workshop, we'd like to convene subject matter experts to discuss the intricacies of how a particular method is implemented. We will focus on two topics: snorkeling methodology, possibly including a mark-recapture element in the discussion, and methods for measuring pool characteristics.





## Student Colloquium

Organizer: John Walrath, University of Idaho/PUAFS  
walr7955@vandals.uidaho.edu, 308-750-1898



Location: Boise Centre

Sponsor: Western Division and Idaho Chapter AFS

Workshop Length: Full Day

Cost: \$25

Registration Limit: 20

Lunch: On your own

Workshop Abstract:

The student colloquium workshop is an opportunity to practice giving your presentation in front of an audience. Feedback will be given on presentation style, tone, organization, etc. by both students and professionals. This is an all day event with a morning and afternoon break during which snacks will be provided, but lunch will be on your own. This is a great opportunity to present your research more than once at a meeting of your peers.



Photo courtesy of Lake Superior State University



# Symposia

The 2013 annual meeting will feature 27 symposia which will be held on April 16-18. The symposia are as follows:

- ♦ [Parentage Based Tagging: From conception to implementation](#)
- ♦ [Hydraulics and Habitat](#)
- ♦ [Upgrading Old and Antiquated Hatcheries Using Modern and Innovative Technology](#)
- ♦ [New information regarding climate effects on aquatic resources in the western US: how do we use this stuff?](#)
- ♦ [PIT-Tag Technology: Progression from Novel to Standard Fisheries Tool](#)
- ♦ [Interactions of fish and hydropower operations in the west - an update on recent studies and trends in re-source management in the FERC relicensing process](#)
- ♦ [Making Fishing Better - How fisheries management has improved the recreational angling experience](#)
- ♦ [Sturgeon Management and Conservation: what have we learned and where are we headed](#)
- ♦ [Status, Management, and Biology of Colorado River Fishes](#)
- ♦ [Aquatic vegetation management](#)
- ♦ [Pacific Groundfish: current research and management strategies](#)
- ♦ [Silver bullet or so much fertilizer? Synthesis and dialogue regarding the science and management of nutrient amendments as mitigation tools](#)
- ♦ [If you build it - they all come - the effects of competing nonnative salmonids in bull trout spawning and rearing habitat](#)
- ♦ [Turning mitigation into beneficial conservation for native fish: challenges, successes, and the attempts to reach a comprehensive approach](#)

# Symposia continued

- ◆ [Challenges of invasive mollusks: threats, management tools and options](#)
- ◆ [The Science of Science Communication: The Art of Telling Compelling Stories in a New Media Environment](#)
- ◆ [Advancing techniques for modeling salmonid life cycles and population production: considerations and case studies](#)
- ◆ [Advancements in co-management of anadromous fishes](#)
- ◆ [Establishing Common Ground in Reproductive Success Studies](#)
- ◆ [Rangewide Status Assessment for Interior Redband Trout](#)
- ◆ [Native species conservation and recreational fisheries for non-native gamefish in the Columbia River: Can we find a balance?](#)
- ◆ [Pacific lamprey conservation and restoration: using data from the past, present, and future to better understand a complex critter](#)
- ◆ [Aquatic Habitat Monitoring: What are we measuring, what trends are emerging, and how is the data being communicated?](#)
- ◆ [Lake and reservoir fisheries management: food web-based approaches](#)
- ◆ [Practical uses of age and growth information in fisheries management](#)
- ◆ [Columbia & Snake Rivers Mainstem Passage: Past, Present, and Prospects](#)
- ◆ [The management and science of upriver bright fall Chinook in the Columbia River basin-What are we learning and how can we use it?](#)

## Call for Award Nominations

The Executive Committee is soliciting nominations for awards to be presented at the 2013 meeting in Boise. These awards are independent from awards presented by the Native Fish, Mentoring, and Aquaculture committees. This is a great opportunity to recognize those who have made important contributions to improve the conservation and sustainability of fishery resources and aquatic ecosystems. Please send nominations to Jason Vogel no later than **February 28, 2013**.

If you have any questions please contact Jason at [jasonv@nezperce.org](mailto:jasonv@nezperce.org) or (208) 621-3602.

### **Lifetime Achievement Award:**

Criteria: Awarded to individuals who are either retired or within five years of retirement and have made significant and sustained contributions to improve the conservation and sustainability of fishery resources and aquatic ecosystems. This work may include but is not limited to making significant contributions in advancing fisheries and aquatic science, implementing important fish and aquatic management, or promoting the development of fisheries professionals. Nomination Process: Submit a one to three page nomination detailing how the individual meets the criteria. The nomination must be supported by at least five Chapter members; their names and contact information should be listed on the nomination.

### **Distinguished Service Award:**

Criteria: Awarded to individuals who have made significant contributions in furthering the work of the Chapter. This award is specific to service within the Chapter. Nomination Process: Submit a nomination not longer than one page detailing how the individual meets the criteria. Although not required, nominations supported by more than one Chapter member will receive the strongest consideration. List the names and contact information of Chapter members supporting the nomination on the nomination.

### **Outstanding Fish Professional:**

Criteria: Awarded to individuals who have made a significant contribution to improve the conservation and sustainability of fishery resources and aquatic ecosystems. This award is specific to service outside of the Chapter. Nomination Process: Submit a nomination not longer than one page detailing how the individual meets the criteria. Although not required, nominations supported by more than one Chapter member will receive the strongest consideration. List the names and contact information of Chapter members supporting the nomination on the nomination.

## \$\$\$ ICAFS Scholarships \$\$\$

The Idaho Chapter AFS is pleased to announce four annually awarded scholarships and a student support grant for students attending Idaho schools.

**Idaho Training Opportunity and Project Grant** – This grant, up to \$750, assists Idaho students pursuing training opportunities consistent with the mission and objectives of the American Fisheries Society. Applications for the grant are accepted year round.

**Idaho High School Student Scholarship** – This \$500 scholarship will be awarded annually to an Idaho high school senior who is planning to attend a college or university located in Idaho.

**Idaho Undergraduate Student Scholarship** – This \$1,000 scholarship will be awarded annually to an undergraduate student who is enrolled at a college or university located in Idaho.

**Idaho Graduate Student Scholarship** – This \$1,000 scholarship will be awarded annually to a graduate student who is enrolled at a college or university located in Idaho.

**Susan B. Martin Graduate Student Scholarship** – This \$1,000 scholarship will be awarded annually to a graduate student who is enrolled at a college or university located in Idaho.

These scholarships were developed by the Executive, Mentoring and Public Education Committees, are funded by the Idaho Chapter, and are administered by the Public Education Committee. Information and application materials are available on the Chapter website <http://www.idahoafs.org/scholarships.php>. Applications must be postmarked (or emailed) by

**February 28, 2013**. Winners will be announced during the business luncheon at the annual meeting. For more information, please visit the Chapter website or contact Lauri Monnot, Public Education Committee Chair, at [lauri.monnot@deq.idaho.gov](mailto:lauri.monnot@deq.idaho.gov) or (208) 373-0461.



# Current Chapter Officers

## Executive Committee



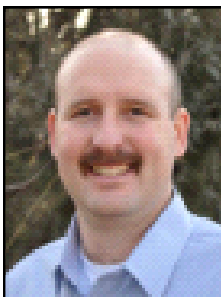
Dmitri Vidergar,  
President  
(208)383-2216



Joe DuPont,  
President-Elect  
(208)799-5010



Tom Curet,  
Vice-President  
(208)756-2271



Jason Vogel,  
Past President  
(208)843-7145



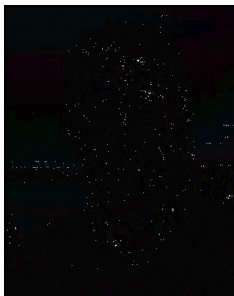
Bill Horton,  
Treasurer  
(208)344-7358



Craig Rabe,  
Secretary  
(208)315-2515



Brett Bowersox,  
Nominations Chair  
(208)799-5010



Kaleb Heinrich,  
Portneuf Unit President  
(208)282-2139

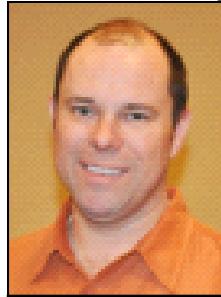


John Walrath  
Palouse Unit President  
(308)750-1898

## Committee Chairpersons



Mike Peterson,  
Anadromous Fish  
(208)465-8404 x 234



Mike Edmondson,  
Anadromous Fish  
(208)334-2189 x 234

Photo not available



Stephanie Hallock,  
Fish Habitat  
(208)686-0701



Corey Lyman,  
Fish Habitat  
(208)557-5838



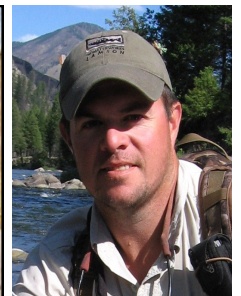
Dan Scaife,  
Fish Habitat  
(208)765-7488



Patrick Kennedy,  
Fundraising  
(208)465-8404 x 271



Chris Sullivan,  
Fundraising  
(208)465-8404



Greg Schoby,  
Fundraising  
(208)525-7290

## Committee Chairs



Dona Horan,  
Membership  
(208)373-4399



Steve Elle,  
Mentoring  
(208)465-8404

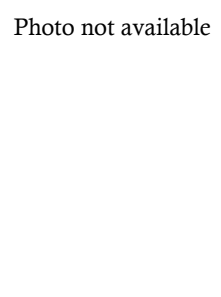


Photo not available

Casey Watson  
Native Fish  
(208)587-7961 x7171



Lauri Monnot,  
Public Education  
(208)373-0461

