

August 2011 Newsletter for the WA-BC Chapter of AFS THE BIG SEATTLE ANNUAL MEETING ISSUE



NEW FRONTIERS IN FISHERIES MANAGEMENT AND ECOLOGY:
LEADING THE WAY IN A CHANGING WORLD

AMERICAN FISHERIES SOCIETY 141ST ANNUAL MEETING
SEATTLE, WASHINGTON . SEPTEMBER 4-8, 2011 . WWW.FISHERIES.ORG/AFS2011

Editors: Orlay Johnson, Communications Director (orlay.johnson@noaa.gov) and
Stephanie M Caballero, Assist. Newsletter Editor (scaballero@fs.fed.us)

September 4-8, 2011 – The AFS Annual Meeting is in Seattle this summer and is the largest ever in the 141-year history of the Society! There are 24-29 concurrent sessions to choose from EACH day, and over 90 symposia (listed at the end of our newsletter) total. These symposia are of local, regional, and global interest, with many having a WA-BC Chapter member as an organizer. To help you navigate through this great selection, AFS has instituted a new feature this year, the Personal Scheduler software. The link to the personal scheduler, along with links to the complete program, daily program tables, and the “Schedule at a Glance”, can be found at: <http://afs2011.org/program/>.

If you haven't done so yet, you can still submit your registration and get information on all the many programs, events, symposia, and lodging and sight-seeing options: <http://afs2011.org/>



Left: Larry Dominguez (left) and Cleve Steward, General Co-Chairs of 2011 Annual Meeting. Right: Alki Beach site of the Salmon Spawning Run on September 7th, 6-10am.

Index for this Issue of the WA-BC Newsletter

- **2011 AFS Annual Meeting in Seattle**
- **Upcoming Chapter Events**
- **Sept 5th - WA-BC Business Meeting**
– RSVP by August 23rd.
- **Fall -- 2011 WA-BC EXCOM
Retreat – all members welcome**
- **May 15-18 - 2012 meeting of WA-
BC Chapter in Victoria**
- **Newly Elected Officers**
Brian Missildine - Vice President Elect
Emily Pizzichemi - Treasurer Elect
Chris Clark - Student Representative to
the Executive Committee
- **UW Sub Chapter News**
- **UW Hatchery program ending** – do
you have any stories about your
experiences as a student you would like
to share in the next Newsletter
- **Officer Reports**
 - President - Mark Pedersen
 - Past President - Jim Shannon -
The Last Cast is Bitter-Sweet
 - Secretary - Lisa Harlan
 - President-Elect - Mark Celedonia
- **Don't forget the Spawning Run Sept
7th, 6-10AM at Alki Beach**
- **List of Symposia at the 2011 AFS
Annual Meeting**



Program Co-chairs Craig Busack (left) and Dave Ward attempting to escape Seattle on their bicycles after facilitating the largest program in the 141-year history of AFS

Upcoming WA-BC Chapter Events

WA-BC Business Meeting and Free Luncheon

Monday, Sept 5th

**RSVP by August 23rd for the free
lunch**

**Yes, Virginia, there is a free lunch
– but only if you RSVP by August
23rd.**

The Chapter Annual Business Meeting will be held on Monday Sept. 5th, 12-1:15pm in WSCC Room 2AB during the Annual Meeting of the AFS Parent Society in Seattle, WA. The agenda includes Chapter updates, annual awards, and other Chapter business. All WA-BC members are invited to attend. Lunch will be provided free of charge to all WA-BC members in good standing who have paid the \$5 Chapter annual dues for 2011. WA-BC members who have paid AFS 2011 dues but not Chapter 2011 dues must pay \$5 for lunch. Non-chapter members and guests may attend for a fee of \$15. Non-chapter student members may attend for a fee of \$13. Please RSVP to Lisa Harlan (lharlan@smith-root.com) if you have not already registered online through the conference website. The cutoff date is August 23 in order to receive a lunch. Thanks!

2012 meeting of WA-BC Chapter in Victoria, BC May 15-18

The Washington-British Columbia Chapter of the American Fisheries Society is pleased to invite you to save the date for our annual conference to be held in Victoria, British Columbia on May 15th-18th, 2012. This conference will be held in partnership with the Society for Ecological Restoration, Northwest and British Columbia Chapters, and the Restoration of Natural Systems Program at the University of Victoria

<http://web.uvic.ca/enweb/community/restoration/>

More details will be forthcoming in future WA-BC Chapter Newsletter and on the Chapter website.

2011 WA-BC EXCOM Retreat to be held this fall

Every year, about the time the big leaf maples start changing colors and the salmon start their upstream migrations, the WA-BC Chapter's Executive Committee (EXCOM) gets together for a one-day retreat. The purpose of the retreat is to orient new EXCOM members to the workings of the Chapter, to get to know one another a bit better, and to chart the course for the upcoming year. We usually go

over our budget and spending plan, discuss planning needs for the upcoming Chapter Annual General Meeting, and generally brainstorm and discuss things that we hope to accomplish, as well as action plans for accomplishing them. General members interested in becoming more involved in the Chapter are very welcome to join us. We have yet to nail down a time and place for this year's retreat, but we expect it will be in late-September or early-October. Stay tuned for details.

Newly Elected Officers **for 2011-2012**

Brian Missildine, Vice President Elect



Brian works as a Senior Fisheries Scientist for Skillings Connolly, Inc. He has been involved in fisheries issues for over 15 years,

both in the private and federal sectors. In those 15 years, Brian has worked at hatcheries, on research teams investigating bull trout and Chinook salmon, and with Endangered Species Act-related issues. He has also been the lead author on a peer-reviewed research article that was published in *Environmental Science and Technology*, and he has also written an editorial for *Fisheries*. Brian has been an AFS member for 5 years and was involved in the 2009 AGM. He is now serving as the Committee Chair for the Social Responsibility Committee for the upcoming AFS Annual Meeting in Seattle. His goals as a Vice-President are to keep the WA-BC Chapter's momentum from the previous several years moving forward into 2012 and beyond, as well as increasing member involvement in the WA-BC Chapter.

Brian Missildine, MES; FP-C
Senior Fisheries Scientist
Skillings Connolly Inc.
5016 Lacey Blvd
Lacey, WA 98503
360-491-3399
www.skillings.com

Emily Pizzichemi, Treasurer Elect



Emily Pizzichemi is the Treasurer Elect for the WA-BC Chapter. Emily is a 2010 graduate of Dartmouth College and her career experience includes: electrofishing in the White Mountains of New Hampshire, SCUBA diving in the coral reefs of the Cayman Islands, working on a trout fishery in sub-alpine Costa Rica, and macroinvertebrate and plankton sampling in New England. Emily is currently a junior scientist at Anchor QEA, LLC where she has worked on projects involving underwater acoustics, wetland assessment, population projection modeling, and snorkel surveying. Emily is eager to begin her role as Treasurer and her goals include being timely with reports and budget updates, developing rules and procedures that pertain to this office, and infusing her position with her experience, knowledge, positive outlook, and energy.

Chris Clark, Student Representative to the Executive Committee



Chris is looking forward to becoming involved in the Executive Committee. He is currently a student at Western Washington University (College of Huxley, Environmental Sciences). He co-founded the Western Washington University AFS Student Chapter and has been an AFS member since fall 2009. Chris has been working in the marine environment for over 10 years, and he is dedicated to obtaining his B.Sc. and then his M.S. in Estuary Science. He is particularly interested in the chemical properties of estuaries, as well as the survival rates of juvenile salmonids and steelhead kelts within the estuary. Chris' past experiences in the field of fisheries are diverse, ranging from being a deckhand on commercial fishing boats in the Bering Sea (halibut, pot cod, and crab) and on the

Washington and Oregon coasts (tuna) to monitoring freshwater escapements and GIS habitat analysis.

Officer Reports

President's Report

As Chapter President, I have been very busy the past few months at several levels of AFS activity: the 2011 AFS Annual Meeting, Western Division actions, Chapter activities, and helping foster the development of our students.

I couldn't be more proud of our many Chapter members who have spent countless hours organizing all the different aspects of the 2011 AGM. Special thanks to Cleve Stewart, Larry Dominguez, and Eric Knudsen for leading the charges. I personally had the privilege to line up our conference ambassadors: 19 high level politicians and leaders involved in Pacific NW fisheries; and I secured consensus and signatures on a letter of greeting from the Mayor of Seattle, Director of WDFW, and Governor of Washington for the 2011 program. I also helped with fund raising and, with the assistance of Eric Knudsen, secured Alaska Airlines as a major sponsor and the official airline of the 2011 conference.

In collaboration with our Executive Committee and the Western Division of AFS, I coordinated distribution of several thousand dollars in scholarships to our WA-BC Chapter students, 3 from British Columbia and 3 from Washington, so far. Special thanks to John Morgan at Vancouver Island University for receiving and reviewing all the applications!

We have been very pleased with the progress of our two Student Chapters at the University of Washington and Western Washington University. The officers of these sub-units are very enthusiastic and participation has been high at their meetings. We have been in contact with advisors at Evergreen State College and Washington State University to gauge their interest in establishing sub-units at these institutions.

We are now in the final stages of planning for our 2011 WA-BC Chapter Business Meeting to be held on Monday, September 5th from Noon-1: 15pm at the Washington State Convention Center (Room 2AB). At this meeting, we will introduce our new Chapter Officers, which include: Vice President-Elect Brian Missildine; Treasurer-elect Emily Pizzichemi; and Student Representative Christopher Clark. Jim Shannon will be leaving the

Executive Committee (EXCOM) after serving many years in virtually all our key positions, so we want to thank him for his service and encourage his future involvement in the Chapter.

I look forward to welcoming all the WA-BC Chapter members to our upcoming Business Meeting and to seeing you all enjoy the best AFS annual meeting ever!

Mark Pedersen

Past President's Last Cast is Bitter-sweet

Being a part of the Planning Committee for AFS 2011 Seattle is a sweet way to end my tenure on the AFS Executive Committee. I am really looking forward to the start of the conference and, particularly, to two events that I have been involved in planning: the Spawning Run and the Student Career Fair. The Spawning Run is a 5k run/walk. This year's run will be held in West Seattle along the Alki Beach Trail. Beautiful views of the Olympic Mountains and Puget Sound will help you along to the finish line. Please register for the race when you register for the conference. The Seattle Aquarium Student Career Fair is happening on Tuesday, September 6th from 5:30 p.m. to 8:00 p.m. If your company or organization is interested in having a table to

reach out to future aquatic scientists, then please contact me (jshannon@anchorqea.com). AFS 2011 Seattle also signifies the end of my time on the WA-BC Executive Committee and, thus, is bitter. All the relationships and friendships I have made over the past years have been priceless. I will miss being involved in the day-to-day operations and planning that is making the WA-BC Chapter of AFS a great organization. However, I plan to stay involved. I have a few more action items to get to for the good of the Chapter. Hope to see you in Seattle.

Jim Shannon
Senior Scientist
ANCHOR QEA, LLC
jshannon@anchorqea.com
206-601-1554

Whatever you do, don't forget the

Secretary Lisa Harlan's Report

I continue to take minutes at the Executive Committee teleconferences and post them on the WA-BC Chapter website under the "About Us" tab (check it out – it's a great way to keep up with what's happening!). Serving on the Social Responsibility Committee for the conference in Seattle has been my other main focus for Chapter business. Our

committee is working very hard to make this conference as environmentally responsible as possible and will be taking it one step further by hosting a “Sustainability” booth at the Trade Show. Stop by and learn more ways in which you can help reduce harmful impacts to the planet. My term continues for another year and I am really looking forward to working with the incoming officers, but I’ll miss the folks they are replacing – Jim, Erin, and Nicole!

President-Elect Mark Celedonia’s Report

I have been occupied almost exclusively with the upcoming Seattle AFS Parent Society Annual Meeting. As a member of the Accommodations Committee, my main functions have been to maintain the “Schedule at a Glance” and to ensure that ancillary meetings (like our WA-BC Chapter Business Meeting Luncheon, Continuing Education classes, Section meetings, etc.) are booked into the appropriate rooms. These roles have required *extensive* communication with the conference planning committees, the ancillary meeting leads, and the hotel and conference center personnel. By default, I end up helping to iron out discrepancies and ensuring that everyone’s meeting or event needs are met.

The emails right now are boundless – as I’m sure they are for most, if not all, members of the Planning Committee. In addition, I have been planning the WA-BC Business Meeting Luncheon, and I’m in the early stages of planning for the 2011 WA-BC Chapter Executive Committee Retreat. I have also reviewed scholarship applications from students seeking financial assistance to attend the Seattle Annual Meeting. I am looking forward to seeing everyone in Seattle!!

News of the University of Washington Sub Chapter

All of us in the University of Washington AFS Student Sub-unit are eagerly looking forward to the national meeting, as, for many of us, this will be our first national AFS meeting. Things have slowed down during the summer with many of our members out for their field season, but we are ready to hit the ground running come September with our new EXCOM, lead by President-Elect Jessica Rhode, formerly our communications officer. One of our favorite activities last year was our first Career Development Seminar Series, and we are excited about resuming this series with a NGO representative who will

discuss opportunities for fisheries students. To keep abreast of our activities and events, please visit us on Facebook (American Fisheries Society University of Washington Student Chapter) or at our website (http://students.washington.edu/afs_uw/news.html). Lastly, as outgoing University of Washington AFS president, I would like to thank everyone for helping to make this a wonderful opportunity. See you in Seattle!

Caroline Storer
2010-11 UW AFS President

UW Alums, the Fisheries Hatchery Program is Closing

Due to ageing equipment, rising water temps in Portage Bay, and lack of research programs - the UW Hatchery will soon see its last fish. As many AFS members were students, TA's or techs at the hatchery, we would like to honor the memory of this institution by sharing some of your experiences, photos, and memories of what the hatchery meant to you. If you would like, please send them to our Communications Director Orlay Johnson at

Orlay.Johnson@noaa.gov and we will publish them in the next edition of the WA-BC Chapter Newsletter.

Finally -- Don't forget the Spawning Run – as much fun as anyone can have at 6AM at Alki Beach!

- Weds, Sept 7 6:00–10:00 A.M.
- Where: Alki Beach Park West Seattle
- Cost: \$25 with T-shirt
- Registration at Spawning Run booth until 7:00 P.M., Tuesday Sept. 6th

The \$25 registration includes transportation to and from the Spawning Run and a themed tech t-shirt. Hope to see you at the starting line. Contact Jim Shannon for more information

jshannon@anchorqa.com .

Info is also here: <http://wabc-afs.org/?p=2376&preview=true>



List of Symposia at the 2011 AFS Annual Meeting

Program Co-chairs Craig Busack and Dave Ward have facilitated the organization of AFS's largest program ever with 24-29 concurrent sessions of symposia and contributed papers to choose from each day of the conference. These symposia are focused on diverse and critical topics of regional, national, and global interest. Personal scheduler software, a new feature of this year's AFS Annual Meeting, is available online to help you navigate through the many offerings and plan your time. The link to the personal scheduler, along with links to the complete program, daily program tables, and the "Schedule at a Glance", can be found at:

<http://afs2011.org/program/>. The program includes an unprecedented 95 symposia, listed below, ranging from 0.25 to 2 days in length. The symposium titles are listed below, and a complete searchable listing of all program offerings is available at:

<http://afs.confex.com/afs/2011/webprogram/start.html>.

List of All Symposia

- Using Models to Evaluate Predator/Prey Balance (or Imbalance) In the Great Lakes Ecosystems
- Riverscape: Synoptic, High-Resolution Mapping and Modeling of Biophysical Attributes and Interactions in Riverine Environments
- Incorporating Estimates of Survival, Biological Diversity, and Spatial Distribution into Salmonid Life-Cycle Models
- Parameters That Aren't: Time-Varying Effects in Stock Assessment
- Riverscape Ecology: Theory and Application for Understanding and Conserving Lotic Fishes
- Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle
- Food and Space Revisited: Drift-Foraging Ecology and Habitat Selection
- Connecting Climate Science to Fisheries Management and Ecology in a Changing World
- Comparative Analysis of Marine Fisheries and Ecosystems
- Potential Effects of Ocean Acidification on Fisheries and Other Marine Resources

- Aquatic Invasive Species Control and Native Species Restoration: Technical and Regulatory Challenges
- Conservation of Organisms in Dendritic Systems
- Fisheries and Hard Rock Mining
- American Shad of the Pacific Coast: A Benign Introduction or Harmful Invasive Species?
- Collaborative Fisheries Research Fellowship: Leading the Way in Building Conservation Engineering Capacity and Assessing e-Learning Strategies
- Challenges in Managing Marine & Estuarine Recreational Fisheries
- What Influences Fisheries Production? Comparing the Effects of Environmental, Fishing, and Food Web Forcing Across Large Marine Ecosystems
- San Francisco Estuary: A Dynamic Confluence of Fisheries, Policy, and Resource Management
- Impacts of Oil Spill Disasters on the Biology of Marine Fisheries: From Exxon Valdez to Deepwater Horizon
- Assessing the Role of Marine Protected Areas in Restoring, Sustaining, and/or Enhancing Fisheries
- Global Conservation, Trophic Relationships and Ecology of Forage Fish in Marine Ecosystems
- Effects of Renewable Energy Installations on Marine Ecosystems
- Larval Dispersal, Population Connectivity and the Management of Marine Species
- The Biology, Ecology, and Management of Summer Flounder
- Life History Variability in Marine Fish: Climate and Fishing Induced Controls
- Management of Elasmobranch Fisheries: Sustainability, Conservation, and Regulation of Global Trade
- Human Influence on Connectivity and Population Structure for River Fishes
- Leading Edge Tools for Investigative Fish Science
- Innovations in Electrofishing Technology and Techniques
- Challenges in Monitoring Outmigrating Juvenile Salmonids.
- Improving Survey Methods for Monitoring Recreational Fishing Effort and Catch
- Alternative Survey Strategies: Technology, Research, Methods and Applicability
- Using Acoustic Telemetry Techniques to Estimate Fish Survival and Behavior

- One Fish, Two Fish: Using Fixed Electronic Fish Counting Systems for Real Time Monitoring of Freshwater Species
- Far-Reaching Technologies: International Technical Programs for the Conservation and Improvement of Aquatic Ecosystems
- Protecting Fish at Power Plant Cooling Water Intakes: New Developments and Science on Clean Water Act §316(b)
- Conservation Genetics and Genomics in Fisheries
- Chemical Signatures of Otoliths and Application in Fisheries
- Ecology of Infectious and Parasitic Diseases in Populations of Wild Fish
- Cognitive, Sensory, and Behavioral Frontiers Exploring Fish Movement and Habitat Use
- The Effects of Semi-Intensive Aquaculture on Biodiversity in Nearshore and Inland Waters
- Incorporating Genetic Data into Population Introduction Programs
- Hatchery Nutrition: Feeding Fish for Tomorrow's Changing World
- Nature-Like Fishways: Design, Assessment & Monitoring
- Reflections on Forest Management; Can Fish and Fiber Coexist?
- Initial Implementation of the San Joaquin River Settlement Agreement to Restore Chinook Salmon to the San Joaquin River, California.
- Investigating the World of Lamprey Biology and Ecology
- Crayfish in Western North America: Research Opportunities and Management Challenges
- New Frontiers in the Management, Status, and Biology of Western Native Freshwater Fishes
- Ecology and Evolutionary Biology of Gobies in North America: Conservation Concerns in a Changing World
- Biology and Management of Walleye and Sauger: Status and Needs
- Environmental Flow Applications in the Management of Hydroelectric Dams: Science, Policy, and Management
- Great Lakes Fisheries Management and Policy: A Binational Perspective
- The National Fish Habitat Action Plan: Progress, Partnerships, and Next Steps in Protecting, Restoring and Enhancing Sustainable Fisheries in North America
- Global Fisheries: Balancing Overfishing and Food Production
- Rigorous Adaptive Management Approaches to Benefit Fish Populations and Aquatic Ecosystems

- Evaluating Effects of Sportfishing Regulations: What Have We Done and What Can We Do Better?
- Managing Diversity in a Changing World
- Long-Term Monitoring Strategies for Large River Systems; Providing a Long-Term Context to Fish Management Strategies
- Frontiers in Fisheries Science Leadership
- Improving the Quality of Research and Management of Columbia River Basin Fish and Wildlife: Examples from Two Decades of Independent Scientific Review
- Colonization and Reintroduction of Anadromous Salmonids
- Variation in Age and Size at Maturation in Salmonids: Causes and Consequences.
- Coastal Cutthroat Trout Symposium: Research, Status, and Conservation
- Salmon Spawning Levels and Ecosystem Connections
- Juvenile Salmon Ecology and Ecosystem Restoration in the Lower Columbia River and Estuary
- Northern Exposure: The Ecology and Conservation of Charr Species
- Factors Contributing to the Population Resilience of Anadromous and Resident Salmonids
- Iteroparity in Steelhead Trout: Managing for a Diversity of Reproductive Life History Characteristics
- Conservation and Management of Kokanee, the Little O. nerka, In an Altered and Changing Landscape
- Pacific Salmon Recovery, Planning and Implementation
- Sockeye on the Brink-Can Good Fisheries Management Maintain and Restore Sockeye Stocks in the Pacific Northwest?
- Advances in Data Management and Dissemination: The View from the Edge of a New Frontier
- Ecosystem Modeling: Joint Modeling of Human Behavior and Fish Populations; Ecosystem Models to Address Fishery Management Needs
- Climate Change and Pacific Salmonids
- Can Aquatic Resources Survive Global Climate Change and Humanity's Best Intentions?
- Setting Realistic Goals for Species and Habitat Restoration in Aquatic Systems: Examples from Great Lakes and Pacific Coast Ecosystems
- Effective Fish Habitat Conservation: Assessment, Protection, and Rehabilitation

- Science and Strategies for Conservation of Land and Stream Flows through Acquisition, Exchange and Other Financial Incentives
- Fisheries Education & Outreach: Collaborations That Inspire and Empower Students, Teachers and the Public to Be Responsible Advocates for Aquatic Resources
- Design and Implementation of Catch Shares in U.S. Commercial Fisheries
- Advances in Coastal Atlases, Habitat Mapping, and Habitat Assessment Science to Support Fisheries and Ecosystem Decisions
- The Cutting Edge of Bycatch Management: Science, Policy and Engineering
- Evolutionary Ecology, Plasticity, and Adaptability of Fish Life Histories: a Symposium in Two Parts
- Nature and Nurture: Local Adaptation, Life History Diversity, and Salmonid Conservation
- Using Hydroacoustic Telemetry to Understand Movement and Ecology of Critical Species
- Recent Advances in Hydroacoustic Assessment of Fish Populations Using “Fixed” Hydroacoustic Technologies
- Advances in Hydroacoustic Assessment of Fish and Underwater Habitat Using “Mobile” Hydroacoustic Technologies
- Electronic Frontiers in Fisheries Management – Log Books and Real Time Fishery Information Systems – Case Studies and Issues
- Fish Passage through Turbines: What Do We Know and Where Are We Going
- High Head Reservoirs – A Black Box? What Do We Know about Fish Growth, Behavior, Distribution, Survival, and Passage Timing in These Reservoirs
- Fish Passage Restoration on Rivers and Streams
- Fish Passage Monitoring- Build It and They Will Come: Measuring Success of Fish Passage Enhancements
- Stocking Conservation Issues: Integrative Methods in Recreational Fisheries; Science and Policy of Fish Propagation