



AWARDS



PRIZES

POKER



FUN

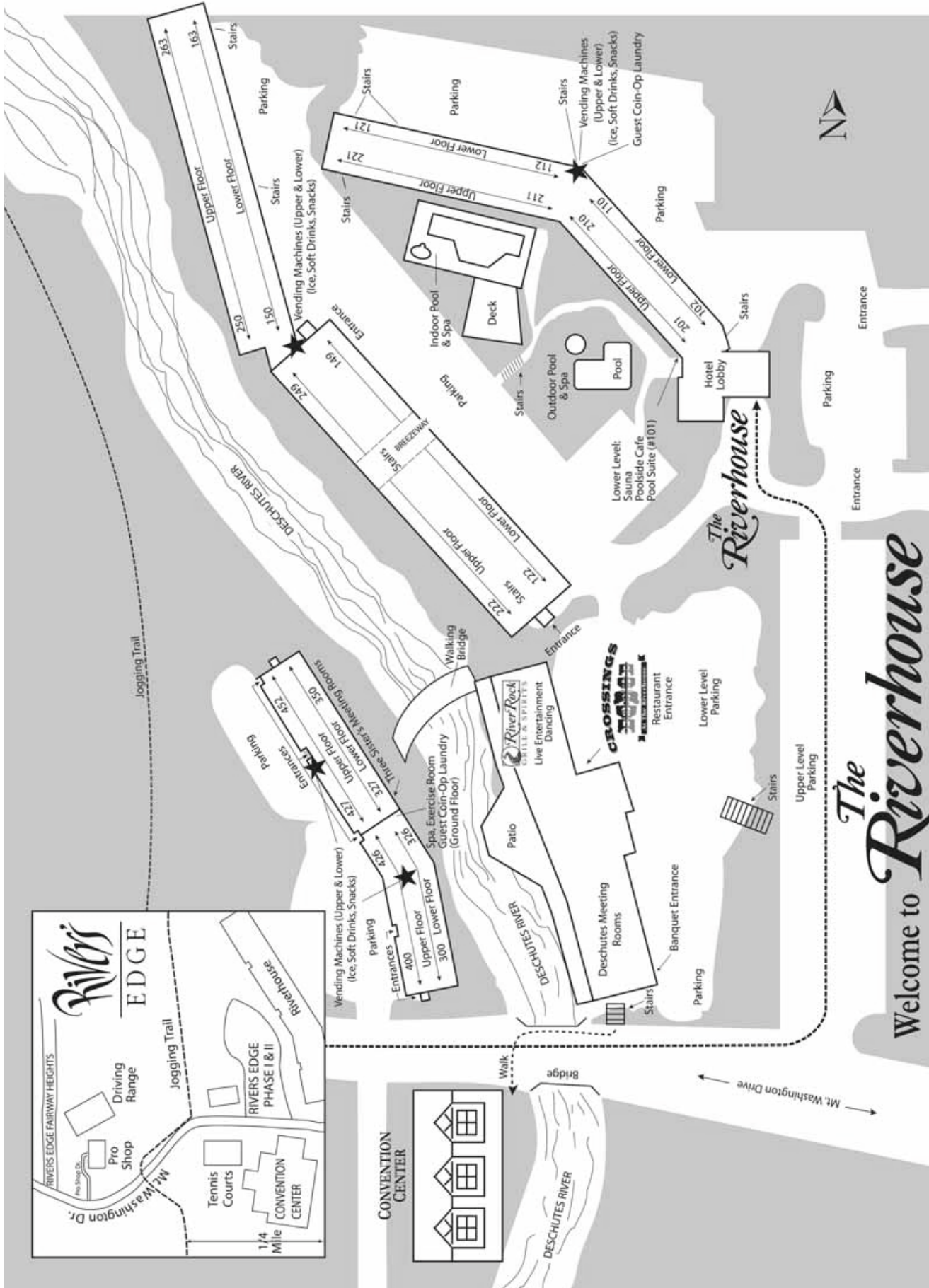


MIXER



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- 2 Conference Maps
- 4 Schedule at a Glance
- 5 Letters of Welcome
- 7 ORAFS Leadership
- 8 2013 Planning Committee
- 9 Plenary Session
- 10 Socials
- 11 Raffle & Auction
- 12 Trade Show
- 13 Annual Business Meeting
- 14 2012 Meeting Minutes
- 16 2012 Financial Report
- 18 Sessions at a Glance
- 19 Schedule of Oral Presentations
- 25 Poster Session

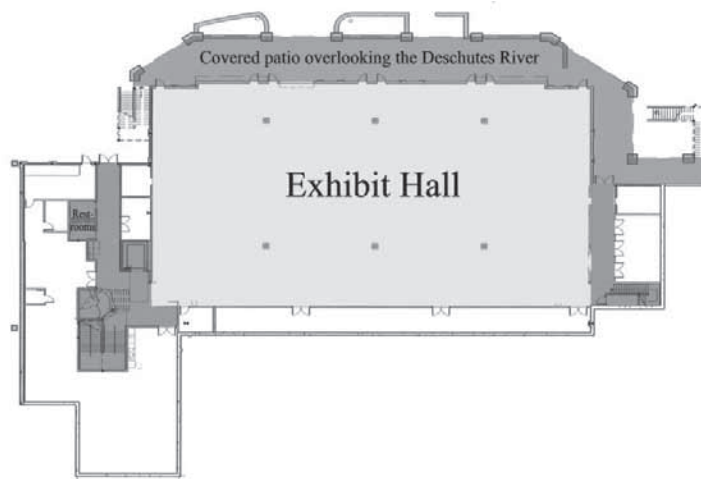


← BUSINESS 97 →

Welcome to *The Riverhouse*



RIVERHOUSE CONVENTION CENTER FLOOR PLAN



SCHEDULE AT A GLANCE

TUESDAY, FEBRUARY 19

7:00 a.m. – 5:00 p.m.	Trade Show Display Setup	Exhibit Hall
11:00 a.m. – 5:00 p.m.	Registration / Information	Cascade Lobby
1:00 p.m. – 5:00 p.m.	Workshops (2)	Cascade C, D, E
3:00 p.m. – 3:20 p.m.	Coffee and Refreshment Service	Cascade Lobby
5:00 p.m. – 6:00 p.m.	Workshop Reception	Cascade ABJ

WEDNESDAY, FEBRUARY 20

7:00 a.m. – 6:30 p.m.	Registration / Information / Sales Desk Open	Cascade Lobby
7:00 a.m. – Noon	Coffee and Refreshment Service	Cascade Lobby
8:00 a.m. – Noon	Workshops (2)	Cascade C, D
8:00 a.m. – 2:30 p.m.	Trade Show Display Setup	Exhibit Hall
Noon – 7:30 p.m.	Poster Session Setup	Exhibit Hall
1:00 p.m. – 2:30 p.m.	Plenary, Keynote Presentation	Cascade ABJ
2:30 p.m. – 3:00 p.m.	Break and Refreshment Service	Exhibit Hall
2:30 p.m. – Midnight	Trade Show	Exhibit Hall
3:00 p.m. – 5:00 p.m.	Concurrent Sessions (4)	Cascade CD, EF, G, HI
5:00 p.m. – 5:30 p.m.	Fish Culture and Marine Habitat and Ecology External Committee Meetings	See page 19
6:00 p.m. – 7:30 p.m.	Student-Mentor Mixer	Cascade ABJ
8:00 p.m. – Midnight	Poster Session and Trade Show Social	Exhibit Hall
9:00 p.m. – Midnight	Acoustic Jam Session	Exhibit Hall

THURSDAY, FEBRUARY 21

7:00 a.m. – 5:00 p.m.	Registration / Information / Sales Desk Open	Cascade Lobby
7:30 a.m. – 8:00 a.m.	Coffee and Refreshment Service	Exhibit Hall
8:00 a.m. – 6:00 p.m.	Posters on Display / Trade Show	Exhibit Hall
8:00 a.m. – 10:00 a.m.	Concurrent Sessions (4)	Cascade CD, EF, G, HI
10:00 a.m. – 10:20 a.m.	Break and Refreshment Service	Exhibit Hall
10:20 a.m. – 12:20 p.m.	Concurrent Sessions (4)	Cascade CD, EF, G, HI
12:30 p.m. – 1:45 p.m.	Awards Luncheon (no charge)	Exhibit Hall
1:45 p.m. – 2:45 p.m.	OR AFS Business Meeting — <i>Special raffle for attendees!</i>	Exhibit Hall
2:45 p.m. – 3:00 p.m.	Break and Refreshment Service	Exhibit Hall
3:00 p.m. – 5:00 p.m.	Concurrent Sessions (4)	Cascade CD, EF, G, HI
4:40 p.m. – 5:30 p.m.	Natural Production, Freshwater Habitat, Education and Outreach, and Native Fish External Committee Meetings	See page 22
5:00 p.m. – 6:00 p.m.	ODFW/OSU Sponsored Mixer	Exhibit Hall
6:00 p.m. – 6:30 p.m.	Banquet Social — Check out the auction items	Cascade ABCDJ
6:00 p.m. – 8:30 p.m.	Silent Auction	Cascade ABCDJ
6:30 p.m. – 9:00 p.m.	Banquet, Awards, Oral Auction, Raffle	Cascade ABCDJ
9:00 p.m. – 12:30 a.m.	Dancing with The Moon Mountain Ramblers / Texas Hold'em Fundraiser	Cascade ABCDJ

FRIDAY, FEBRUARY 22

7:00 a.m. – Noon	Registration / Information / Sales Desk Open	Cascade Lobby
7:30 a.m. – 8:00 a.m.	Coffee and Refreshment Service	Exhibit Hall
7:30 a.m. – 10:20 a.m.	Trade Show / Posters on Display	Exhibit Hall
8:00 a.m. – 9:40 a.m.	Concurrent Sessions (4)	Cascade CD, EF, G, HI
9:40 a.m. – 10:00 a.m.	Break and Refreshment Service	Exhibit Hall
10:00 a.m. – Noon	Concurrent Sessions (4)	Cascade CD, EF, G, HI
10:30 a.m. – Noon	Trade Show and Poster Takedown	Exhibit Hall
11:20 a.m. – Noon	Legislative Committee Meeting	Cascade EF



WELCOME to Bend and the 49th annual meeting of the Oregon Chapter American Fisheries Society!

It has been a true privilege to be President of the largest and most active chapter in the American Fisheries Society. And I've been so grateful to serve alongside the remarkably dedicated members of the Executive Committee who, together with our membership, have worked so hard this past year toward fulfilling our mission.

Our chapter continues to be a leader in supporting programs focused on advancing fishery science. This fall, we brought fishery managers and scientists together to investigate ways to improve anadromous run forecasting techniques. We've also sponsored several regional conferences and both the upcoming Western Division and AFS Annual meetings.

With the goal of conserving Oregon's fishery resources, we've worked with our legislative liaison to strengthen our ability to track bills important to aquatic resources in the state and beyond. We've supported the development of wild fishery emphasis areas, offered input on federal recovery plans, and reviewed land use cases filed in the U.S. Supreme Court.

This chapter fully realizes our role in building public awareness for the sustainability of fishery resources. We updated our website with a more interactive and modern format and increased our use of Twitter and Facebook platforms to distribute information. We developed guidance for our chapter's use of social media, the first of its kind in the Society. Not to forget our past, we also archived our chapter's historical records at Oregon State University in preparation for the chapter's 50th anniversary next year.

As once a young student struggling to make it and be recognized, I am most proud of our continued commitment to develop our young professionals and to build an engaged membership. The numerous scholarships, awards, and fish-out-of-water waivers we offer our members remind me of the support I received that was so integral to my success. I'm also really excited to support our burgeoning student subunit at Oregon State and the unbridled energy of our student members.

It's been a rewarding and fulfilling year for the chapter, and there is so much more to do. We can only continue to maintain our leadership role with your involvement. This week I implore you to attend our business meeting and an external committee meeting. Offer your expertise, your passion, and a small part of your time. It's truly remarkable what can be accomplished when each of us makes just a small investment.

The Planning Committee has worked tirelessly to offer the high-caliber meeting this chapter is famous for. Show them your thanks and appreciation this week, and take in all this meeting has to offer!

JEFF YANKE
President, Oregon Chapter of the American Fisheries Society

Welcome to the 49th Annual Meeting of the Oregon Chapter AFS Partnerships and Community with Fish and Folks

Way back in 1975, I experienced my first Chapter meeting as a student from the Mt. Hood Community College Fish Technology program. The cigarette smoke-filled banquet room at Kah-Nee-Ta Lodge was well attended by over three hundred fish folk, mostly male, mostly white. The dance cards of the few women present were filled to overflowing as the piano player belted out show tunes and '50 pop-rock. The meeting was generally split between a large hatchery contingent and a smaller academic bunch. My youthful impression was that the Chapter was not a small community of fisheries professionals bound together through mutual interest and sense of shared destiny, but more of a fractioned and professionally pigeon-holed bunch of hardworking individuals doing their own thing.

Thirty-eight years later, I see a Chapter that has become inclusive and diverse, while striving to build community inside and outside the boundaries of the Society. Such community- and partnership-building efforts have increased the capacity of this organization to meet the mission of the Oregon Chapter of the American Fisheries Society: Improve the conservation and sustainability of Oregon fishery resources and their aquatic ecosystems for long-term public benefit by advancing science, education, and public discourse concerning fisheries and aquatic science and by promoting the development of fisheries professionals.

The power of our community and partnership building is obvious as you look around this week's conference. Each year more and more of our submitted abstracts

come from watershed councils, tribes, private industry, and political wonks. This power of people and partnerships can translate new possibilities into reality.



Todd Buchholz

PROGRAM CHAIR
2013 ANNUAL MEETING

Dwight Eisenhower is credited with saying something along the lines of, "Whenever I run into a problem I can't solve, I always make it bigger. I can never solve it by trying to make it smaller, but if I make it big enough, I can begin to see the outlines of a solution." This may seem counterintuitive. But as we find ourselves dealing with systems and approaches to managing our aquatic resources across watershed boundaries and multiple jurisdictions, in the face of climate change and budget uncertainties, it is obvious that we need new approaches that enable us to recognize connectivity and interdependence across often siloed issues and sectors. When we make the problem "bigger" by taking a more comprehensive and global approach, we gain the opportunity to develop solutions with multiple and long-lasting benefits: economic, social, and environmental.

So please take this opportunity at our 2013 annual meeting to energize your partnership-building batteries. Go forth and do good things, knowing that we are a part of an ever-increasing community of aquatic resource advocates!

"Live as if you were to die tomorrow. Learn as if you were to live forever."

— Mahatma Gandhi

2012-2013 Executive Committee



Jeff Yanke
ODFW

The **President** of the Chapter presides at all Chapter meetings, chairs the ExCom, is Chapter Representative to the Western Division and to the Parent Society, and makes such appointments and performs other duties and functions as

authorized and necessary for overall Chapter effectiveness. Also crafts a 1-year work plan and budget, arranges sponsorships, and writes columns for the newsletter.



Todd Buchholz
USFS

President-Elect chairs the Program Committee and assumes the duties of the President in the event of the President's absence or inability to act. Plans the Annual Meeting theme, program, and presentations.



Colleen Fagan
ODFW

The **Past President** chairs the Nominating Committee and chairs the ExCom if neither the President nor President-Elect is available. Imparts historical wisdom, manages Trade Show, and prepares for retirement.



Bill Brignon
OSU/USFWS

The **Vice President** chairs the Resolutions and Bylaws Committee and assumes the duties of the President-Elect in the event that office is vacated prior to completion of the term. Manages Student Activities and Raffle & Auction committees.



Garth Wyatt
PGE

The **Secretary-Treasurer** keeps the official records of the Chapter, collects and banks any funds allotted to the Chapter, and disburses funds as authorized by the ExCom. Manages registration and tracks all other cash flow at the Annual Meeting.



Michele Weaver
ODFW

The **Internal Director** appoints the Historian and Chairs of the Awards and Scholarship committees, and chairs the Arrangements Committee. Manages facility, food breaks, and A/V needs and costs for Annual Meeting.



Shivonne Nesbit
ODFW/USFWS

The **External Director** supervises and motivates all External Committees. Ensures that committees respond to ExCom (and vice-versa) and participate in Annual Meeting.



Kat Gillies-Rector
OSU

The **Student Subunit Representative** serves as liaison between the Chapter and the approved Student Subunit(s) of the Chapter. Assists Vice President with student planning for Annual Meeting.

2012-2013 Committee Chairs

INTERNAL COMMITTEES

AFS/TWS LIASONS

Laura Tesler (ODFW)

AWARDS

Colleen Fagan (ODFW)

RESOLUTIONS & BYLAWS

William Brignon (USFWS)

HISTORIAN

Don Ratliff (PGE)

INVESTMENT

Garth Wyatt (PGE)

NEWSLETTER EDITOR

Allison (Niggemyer) Evans (OSU)

NOMINATING

Colleen Fagan (ODFW)

SCHOLARSHIPS

Scott Heppell (OSU)

WEBMASTER

Kara Anlauf-Dunn (ODFW)

EXTERNAL COMMITTEES

EDUCATION & OUTREACH

Karen Hans (ODFW)

FISH CULTURE

Ryan Couture (ODFW)

FRESHWATER HABITAT

Ian Reid (USFS)

LEGISLATIVE

Jeremiah Osborne-Gowey

MARINE HABITAT & ECOLOGY

Scott Heppell (OSU)

NATIVE FISH

Jim Capurso (USFS)

NATURAL PRODUCTION

Jens Lovtang (CTWS)

LEGISLATIVE LIASON

Sue Marshall (Trillium Consulting)

Contact information available at www.orafs.org

2013 Annual Meeting
PLANNING COMMITTEE

PLANNING COMMITTEE CHAIR

Todd Buchholz (USFS)

ANNUAL BUSINESS MEETING

Jeff Yanke (ODFW)

SIGNS & BANNERS

Michele Weaver (ODFW)

BUDGET

Jeff Yanke (ODFW)

SPONSORSHIPS

Jeff Yanke (ODFW)

FACILITY & FOOD ARRANGEMENTS

Michele Weaver (ODFW)

**STUDENT COORDINATION
& ACTIVITIES**

Bill Brignon (OSU/USFWS)

IMBIBEMENTS

Mike Gauvin (ODFW)

Neil Ward (CBFWA)

STUDENT PAPER JUDGING

Brook Silver (USFWS)

MERCHANDISE

Cynthia Sells (OSU)

TECHNICAL PROGRAM

Todd Buchholz (USFS)

POSTER CHAIR

Bill Brignon (OSU/USFWS)

TEXAS HOLD'EM

Mike Gauvin (ODFW)

PROGRAM GUIDE

Todd Buchholz (USFS)

TRADE SHOW

Colleen Fagan (ODFW)

RAFFLE & AUCTION

Luke Whitman (ODFW)

Nik Zymonas (ODFW)

**WEBSITE & ONLINE ABSTRACT
SERVICE**

Kara Anlauf-Dunn (ODFW)

REGISTRATION & ARRANGEMENTS

Garth Wyatt (PGE)

WORKSHOPS

Todd Buchholz (USFS)

Shivonne Nesbit (ODFW/USFWS)



Amy Unthank

1:00–2:30 PM

Wednesday, Feb. 20

Cascade ABJ

The Long Road of Partnerships — Where Have We Been, Where to Next?

Absentee Oregon Chapter member Amy Unthank will be in Bend to warm up the meeting with a journey through the evolution of partnerships. Her perspective on the topic is that of a fisheries biologist who started her conservation career as a volunteer with Seattle Audubon Society during the growing controversy over disappearing old-growth forest. Amy began her professional career in 1987 with the U.S. Fish and Wildlife Service, before moving on to the U.S. Forest Service in 1989, where she did the “W Tour” on the Wallowa-Whitman, Willamette, and Wenatchee national forests. In 2001 she landed in the Southwest as the regional fish manager, and she is now the fishery program leader in Washington, D.C. Amy was the Arizona-New Mexico AFS Chapter President in 2008 and also serves on the board of Forest Service Employees for Environmental Ethics.

NETWORK!

SOCIALIZE!

CELEBRATE!



© www.RichardGrost.com

Workshop Reception

Tuesday, February 19..... 5:00-6:00 PM
Cascade ABJ

After an afternoon of learning new skills and techniques, come on down to the workshop reception and enjoy some snacks and tasty beverages. You can talk with fellow workshop attendees and continue to discuss the new skills you learned, or just relax and unwind.

Student-Mentor Mixer

Wednesday, February 20 6:00-7:30 PM
Cascade ABJ

This social event is quickly becoming a destination for both students and professionals who attend the Annual Meeting. This year we will continue the speed dating format to allow students and professionals maximum opportunities for networking. Participants will have the occasion to discuss experiences, opportunities, and challenges in fisheries careers surrounded by a relaxed, friendly atmosphere. Employers, professors, professionals, and graduate program representatives are encouraged to attend.

Poster Session and Trade Show Social

Wednesday, February 20 8:00 PM – Midnight
Exhibit Hall

This year’s Poster Session and Trade Show Social will include over 22 posters covering a vast array of fisheries-related issues and vendor exhibits. Join us in the Exhibit Hall to read the posters, talk with authors, and meet with local and nationally recognized vendors of fishery equipment and services, all while enjoying some hors d’oeuvres and complimentary beverages. Authors will be present at posters between 8:00 and 9:00 p.m. to discuss their work.

ODFW/OSU Sponsored Mixer 5:00-6:00 PM

Thursday, February 21
Exhibit Hall

ODFW and OSU are sponsoring a mixer for all meeting attendees from 5:00 to 6:00 p.m. Everyone is invited to enjoy appetizers and beverages while networking with friends and colleagues.

Banquet Social, Banquet, Awards, Raffle & Auction

Thursday, February 21 6:00 PM – 9:00 PM
Cascade ABCDJ

Social: 6:00 PM - 6:30 PM

Silent Auction: 6:00 PM – 8:30 PM

Banquet & Awards: 6:30 PM – 8:00 PM

Raffle & Oral Auction: 8:00 PM – 9:00 PM

Everyone is encouraged to join their friends during the festivities planned for Thursday night. This is where we push away from our computers, take off the field gear, park the boats and relax with your friends and colleagues. Do not miss this opportunity to bid on or win some beautiful art work, maybe a long-awaited fishing trip, or some fresh outdoor gear in the auction and raffle. Complimentary beverages will be provided throughout the night, so grab a drink and some raffle tickets and try your luck. Although banquet tickets are not required to participate in the social and raffle/auction, a ticket is required for a banquet meal. To ensure an evening of continuous fun, be sure to purchase your banquet ticket in advance. And don’t forget the raffle tickets.

The Moon Mountain Ramblers

Thursday, February 21 9:00 PM – 12:30 AM
Cascade ABCDJ

One of Bend’s most popular bands, ramblin’ in from all parts of the territory, the Moon Mountain Ramblers have drawn five musicians together to create an original sound and a soulful interpretation of traditional bluegrass, jazz/swing rock and country tunes — a sound that can only be described as Slamgrass straight from Americana. Meeting attendees who enjoy music and dancing will not want to miss out. (moonmountainramblers.com)

Texas Hold’em Fundraiser

Thursday, February 21 9:00 PM – 12:30 AM
Cascade ABCDJ

“Son, I’ve made my life out of readin’ people’s faces, and knowin’ what their cards were by the way they held their eyes.” If this lyric sounds like you then bring your face readin’ skills to a table at the Texas Hold’em Fundraiser and see if you can last til the end and win a prize. You can sign up during registration or at the registration table in the lobby (\$25 registration fee).

Admission to socials requires a conference name badge.



DONATIONS ARE CONTINUOUSLY ROLLING IN, BUT AS OF PRESS TIME, HERE ARE SOME OF THE EXCITING ITEMS YOU CAN WIN.



TRIPS

Grande Ronde steelheading

Jeff Yanke and Kyle Bratcher

Columbia Gorge

Ryan Gerstenber

Clackamas winter steelhead

Garth Wyatt

Marine Discovery Tours

2 sightseeing tickets

North Umpqua Retreat Vacation Rental Houses

Spring Chinook fishing package for 2

RAFFLE

Eagle Claw

bass kit

Vemco

VR2W receiver

Trader Joe's

Favorites package

Freshwaters Illustrated

T-shirts, hats, DVDs

Stinger Lures

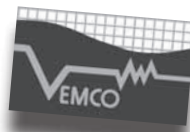
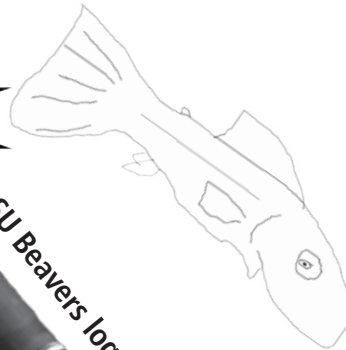
Set of casting spinners

St. Croix Rod

40% discount on two rods

Pacific States Marine Fisheries Commission

Hat, messenger bag, and umbrella



ART

Tomelleri prints

China rockfish

Sturgeon

Deschutes rainbow

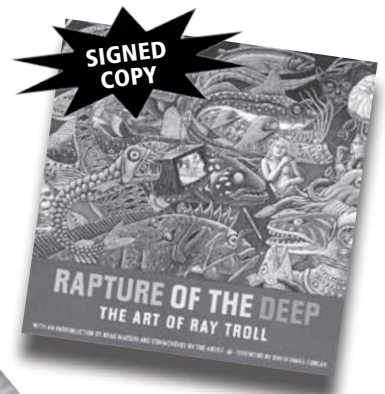
Freshwaters Illustrated prints

RTG Fine Fish Photography

Custom fish photos

Original Gyotaku Fish print

Heather Fortner



Patagonia

Clothing or outerwear

Frank Amato Publications

Subscriptions to both Flyfishing and Tying Journal and Salmon Trout Steelheader

Artists Repertory Theatre

2 tickets

G-Loomis

Fishing rod

Oregon RFID

Fish-themed bottled beers



Raffle tickets will be for sale Tuesday through Thursday in the registration area and during the Poster Social. On Thursday night, tickets will be available during the Banquet Social as well as during the banquet. Several of the raffle items will be on display at the registration table prior to the raffle. The raffle itself will take place after the banquet.
Don't leave early!

COME AND SEE what is happening in fishery science, arts, and technology at the 2013 Trade Show. Stay abreast of new technologies and creative expressions, with abundant opportunities to network with professionals and learn about their products and services. All morning and afternoon refreshment breaks will be served daily in the Trade Show area. We look forward to seeing you there.



SETUP 7:00 AM – 5:00 PM Tuesday, Feb. 19
• 8:00 AM – 2:30 PM Wednesday, Feb. 20

DISPLAY HOURS 2:30 PM – Midnight on Wednesday, Feb. 20 •
8:00 AM – 6:00 PM Thursday, Feb. 21 • 7:30 AM – 10:20 AM Friday, Feb. 22

Biomark Inc.

Boise, ID

www.biomark.com

sam.breidenbach@biomark.com

For over 20 years Biomark has been a worldwide supplier in electronic identification technology to the fisheries community. Biomark specializes in low frequency, passive, RFID tags (PIT tags) and related PIT tagging equipment. Biomark also provides specialized biological services such as PIT tagging, study execution, and report writing.

Bio-Oregon

Warrenton, OR

www.biooregon.com

sales@bio-oregon.com

Bio-Oregon offers a complete line of commercial quality fish feed products. Since 1937, Bio-Oregon has been a leader in providing quality salmon and trout feed throughout North America. Our fish feed is used at government enhancement fish hatcheries, private aquaculture companies, zoos, research institutions and backyard fish ponds. Fish feeds offered include starter feed, fry feed, grower feed, brood feed, low pollution fish feed and specialty fish feeds.

BioSonics Telemetry

Seattle, WA

www.biosonicsinc.com

johnk@biosonicstelemetry.com

BioSonics Telemetry offers acoustic telemetry solutions for tagging, tracking, and analyzing movement of fish and other animals as they travel through fresh water and marine environments. BioSonics also offers the widest range of scientific echosounder systems for fisheries research and aquatic habitat assessment and mapping.

River Design Group

Whitefish, MT & Corvallis, OR

www.riverdesigngroup.com

info@riverdesigngroup.com

River Design Group, Inc. (RDG) is a private consulting firm specializing in river, stream, and wetland restoration projects in the Pacific Northwest and Intermountain West states. Headquartered in Whitefish, Montana with a second office in Corvallis, Oregon, RDG maintains the highest level of technical expertise and a well-trained staff that works exclusively in the river environment. In addition to restoration work, our expertise extends to geomorphic characterization, river corridor habitat enhancement, dam removal, and fish passage and screening.

Upper Snake River Tribes Foundation

www.uppersnakerivertribes.org

heather.ray@uppersnakerivertribes.org

The Upper Snake River Tribes Foundation was created to protect tribal heritage related to fish wildlife and other natural resources. It is a non-profit organization led by a commission consisting of a tribal member from each of the Shoshone-Paiute, Shoshone-Bannock, Paiute-Shoshone, and the Burns-Paiute of Oregon tribes. The USRT works to ensure the protection, enhancement, and restoration of natural and cultural resources, activities, and rights of the Compacting Tribes, reserved by the Treaties and Executive Orders, protected by federal laws and agreements, or are the subject of aboriginal claims asserted by the Tribes.

Agenda
Oregon Chapter of the American Fisheries Society
Annual Business Meeting

February 21, 2013 | Bend, Oregon

- 1:45 PM **Call to Order (Jeff Yanke)**
- Identify Parliamentarian
 - Determination of quorum (50 voting members)
 - Recognitions:
 - Executive Committee
 - Committee Chairs, Newsletter, Web Master
 - Sponsors and Special Guests
- 1:50 PM **Approve Minutes from 2012 Annual Business Meeting (Yanke)**
- Summarize Financial Statement, FY 2011-2012 (Garth Wyatt)
- 1:55 PM **President's Report (Yanke)**
- Strategic Plan Goals and Accomplishments
 - Products, Sponsorships, and Communications
 - New Business
- 2:05 PM **WDAFS Update (Dave Ward)**
- 2013 WDAFS Meeting – Boise, Idaho
 - 2015 Annual Meeting – Portland, Oregon
 - Volunteering
- 2:10 PM **Student Subunit Report (Kat Gillies-Rector)**
- 2:15 PM **External Director's Report (Shivonne Nesbit)**
- External Committee Updates
 - Legislative Liaison (Sue Marshall, Trillium Consulting)
 - Other Committee Actions
- 2:30 PM **Election of New Officers (Colleen Fagan)**
- Candidates*
- President-Elect: Mike Gauvin (ODFW)
 - Vice President: Kevin McDonnell (OSU) and Justin Huff (OSU)
 - Secretary-Treasurer: Garth Wyatt (incumbent)
 - Internal Director: Michele Weaver (incumbent)
 - External Director: Holly Huchko (ODFW)
- 2:35 PM **Presentation of Past President Award**
- 2:40 PM **Business meeting raffle**
- 2:45 PM **Adjourn**
- Sessions start at 3:00 p.m.

**Special raffle
for attendees!**

Annual Business Meeting Draft Minutes

Oregon Chapter of the American Fisheries Society

1 March 2012 | Eugene, Oregon

President Colleen Fagan called the business meeting to order at 2:00 pm. Colleen asked Jim Hall to be the parliamentarian. Jim accepted and established that there was not a quorum, so the meeting was delayed for a couple of minutes until more people arrived. After a few more members came in the room, Jim established that there was a quorum and the meeting began at 2:04 pm.

Colleen began by announcing that the Oregon Chapter won the 2011 Chapter of the Year for both the Western Division and Parent Society. She thanked everybody who participated on the ExCom and Committees, and the membership for making it possible.

She then recognized Dave Ward as a special guest. Dave is an Oregon Chapter member and the current Western Division AFS president.

Colleen referred everyone to the 2011 business meeting minutes included in the program and asked if there were any edits. Ian Reed identified an error in the external director's report – it read “internal” instead of “external”. Michele Weaver, Chapter secretary/treasurer, agreed to edit the minutes to rectify the error. Colleen asked for a motion to approve the minutes as edited. The motion was made to approve the 2011 business meeting minutes as amended and Tucker Jones seconded. Colleen called for additional discussion, hearing none; a vote was taken and the motion passed unanimously.

Colleen next summarized the Financial Statement for 2011 provided in the program. Currently, \$204,745 is in the Chapter's checking account. Colleen indicated that based on the recommendation of the Chapter's Investment Committee, the ExCom had approved opening a money market account using checking account dollars. Michele indicated the investment committee had made this recommendation and was looking at other investment options, and that the money market account had been opened.

WORK PLAN SUMMARY

Colleen next discussed Chapter accomplishments related to its 2010-2013 Strategic Plan goals and its Fiscal Year 2011-2012 Annual Work Plan.

Membership – Colleen indicated that the “check the dam box” campaign developed to increase membership was successful. Oregon Chapter membership has increased to 609, a 34% increase

from last year. She encouraged everyone to check the OR membership box and pay their \$2 when renewing their Parent Society membership.

Professional Development – Professional development is a Chapter priority. This year we offered three workshops at our annual meeting: Introduction to R for Fishery Professionals, Introduction to In-Stream PIT Tag Detection Sites: Design, Construction, and maintenance, and ESA Permitting. Colleen reported she heard nothing by good reviews from the 80 plus participants and thanked them for their involvement.

To develop programs that advance understanding of fishery science and responsible stewardship of fishery resources, this past fiscal year, ORAFS Sponsored the Western Division AFS meeting in Jackson, Wyoming as well as the Parent Society's Seattle meeting. Additional funding and sponsorships were provided to the Oregon State University's Fisheries and Wildlife Graduate Student Association for its Research Advances in Fisheries, Wildlife, and Ecology Symposium (RAFWE), the Pacific Northwest Freshwater Mussel Group, and provided \$12,000 in scholarships to students, and \$2,000 in scholarships to attend the Northwest Fish Culture Conference in Victoria, British Columbia.

In addition, the Chapter is providing banking assistance to the USFWS to help it host the 2012 Northwest Fish Culture Conference, being held this December in Portland.

Just as important, the Chapter put together a successful last second bid to host the 2015 National meeting in Portland, OR at the request of the WDAFS.

To Increase public awareness, understanding, and appreciation of fishery resources, Colleen indicated the Chapter is planning to update its website this year. Idaho, Alaska, and the Western Division recently updated their sites. The Chapter has reviewed these sites and will be using them as a template for our revisions, which are definitely needed. Potential consultants to do the website update have been identified and the Chapter will be seeking proposals for the work shortly.

Colleen discussed the Chapter's activities towards Advocating policies and laws that benefit the conservation and sustainability of Oregon fishery resources. This year, Sue Marshall was retained as the Chapter's Legislative Liaison to keep the Chapter aware of

issues and monitor proposals, bills, and actions that have the potential to influence Oregon's aquatic resources and their ecosystems. The Chapter developed and distributed to Oregon legislators a white paper on Effects of Heavy Metals in Aquatic Systems to help guide legislation on use of copper in brake pads and mercury in light bulbs. Sue Marshall read Chapter testimony on this legislation into the record before the Environment and Natural Resources Senate Committee. The Chapter also developed and submitted to Ken Salazar, Secretary of the Interior, a position paper reading the proposed Klamath River Dam removal. The Chapter's Fish Culture Committee remained active by reviewing and supporting the AFS Policy Statement on “Need for an Immediate-Release Anesthetic/Sedative”.

Last April, Colleen, Demian Ebert and Sue Marshall met with Travis Joseph, Representative DeFazio's Legislative Assistant. We discussed the Columbia River Biological Opinion and other pertinent natural resource issues in Oregon and how ORAFS could be of assistance to DeFazio on fisheries issues.

WDAFS UPDATE

Colleen introduced Dave Ward, current Western Division AFS President. Dave indicated those present could boo him now, since the Washington Chapter won this year's WDAFS Chapter of the Year for putting on the largest Parent Society meeting (with our help). Dave indicated Oregon came as close to winning as any Chapter has when competing with a chapter that has hosted a successful Parent Society Meeting.

Dave indicated the Western Division Annual Meeting was being held in Jackson, Wyoming in 3-4 weeks. Although it is late, there is still time to register. Because of the highly successful 2011 meeting, WDAFS had set aside money for student travel to the meeting, which nobody applied for.

Additional money has been set aside for a student travel fund and to help fund travel to the 2014 WDAFS meeting in Mazatlan, Mexico. Dave indicated WDAFS is also encouraging Chapters to set aside funds for at least one member to travel to Mexico. Additionally, WDAFS is asking the Parent Society to match what the division and chapters provide. Approximately \$20,000-25,000 is being set aside by the WDAFS for professionals to travel to Mexico for the

2014 meeting. Dave also encouraged everyone to keep in mind the student travel grants are available and asked the Chapter to also set aside money for travel.

Lastly, Dave reminded everyone that the 2015 Parent Society Meeting will be in Portland, Oregon. Dave and Neil Ward are co-chairing the Planning Committee and asked for help to plan that meeting. Dave indicated that he is looking forward to it being another large meeting and the best yet.

STUDENT LIAISON REPORT

Colleen introduced Megan McKim and Michelle Scanlan, the Oregon State University student subunit representatives. Colleen reported that the OSU student subunit was informed late yesterday that they received the 2012 WDAFS Best Student Subunit award. The format of the club was changed this year to better meet the needs of both the fish and wildlife student members. They are also looking to maintain or even better their relationship with the Oregon Chapter.

Megan and Michelle discussed how, along with the Chapter ExCom, they had investigated changing affiliations from an OSU fish and wildlife club to a fisheries student subunit. They also discussed how ExCom and the club had investigated forming an Oregon Student Subunit instead of an OSU Student Subunit. But, with the support they get from OSU, the club needs to remain an OSU Student Subunit and maintain the relationship with the university. Students from other universities are welcome to participate in the club, but they cannot be officers. The club currently has 16 AFS members.

This past year, the subunit had some workshops including: ODFW warmwater fishes, seining St. Louis ponds, intro to GPS, a wetland restoration project on the Necanicum River, and a field trip on a coho restoration site. They recently slept with the sharks in the underwater tunnels at the Oregon coast aquarium, which included watching jaws, talking with trainers, and learning more about aquatics. The subunit is looking to hold a professional etiquette workshop, which would include training on how to approach professionals and what to do at these meetings.

Their spring break trip is planned, including visiting Death Valley. Meetings and field work with professionals have been set up to share information and work with desert pup fishes.

The subunit is planning a spring term Oregon Hatchery Research Center workshop with Dr. Noakes, along with other spring term activities including net repair, trailer backing, welding, and boating. For next term, they are also

setting up an Arc GIS workshop and a diversity night to get a tribal perspective on fisheries. Support your student subunit — they have tee shirts for sale!

EXTERNAL DIRECTOR REPORT

Shivonne Nesbit identified and thanked committee chairs and asked them to stand and be recognized by the audience. Shivonne indicated the vision for the next year is for the committees to come up with an annual work plan to guide their activities. She also indicated that this year ExCom changed the meeting format to have committee meetings after sessions rather than after the business meeting. Thus far it has been successful and increased participation.

Shivonne introduced our legislative liaison, Sue Marshall, for her legislative report. Sue indicated that this is her first Chapter conference and that she is happy to be here. Sue reported that this past year was her first annual session where she represented the Oregon Chapter. The current special session is still on-going, and she felt a little uneasy being away from it. This session there were 250 bills, of which 16 were identified as being bills of interest to ORAFS. Because of rapid movement in the legislature, Sue strategized with Shivonne and ExCom on how the Chapter could stay engaged. This included having white papers on hand. This session Sue distributed information to legislators on negative effects of mercury in lighting, which included presenting testimony. Other bills closely tracked included the water withdrawal bill and banning genetically modified organisms. Senate Bill 1512, which recommends reducing the amount of mercury in lighting passed. The water and genetically modified organisms bills died in committee.

Sue recommended that the Chapter identify and develop a list of white papers that can be generated to have on hand based on anticipated need. Sue reported that there is a huge disconnect between policy making and science. Shivonne indicated that ExCom is looking for warm bodies to testify in Salem on legislation, as needed. The Legislative committee needs more people, even if you cannot testify, to look over bills and be involved. Sue then took some questions from the audience.

PRESIDENTIAL THANKS

Colleen took time to acknowledge and thank individuals for their hard work for the Chapter throughout the year, including:

Allison Evans, Piscatorial Press Editor, for a tremendous job and keeping submittals on time, she cannot be thanked enough.

Kara Anlauf-Dunn, website and list serve manager, who is very busy at this time of

year helping to get all of the annual meeting information out. Kara will also be helping with website updating and redesign.

Jason Kent, internal director, who can be seen running around here making sure everything gets accomplished and that we have a good, smooth meeting.

Shivonne Nesbit, External Director, for getting support for the committees and getting more people involved.

Bill Brignon, Vice President, who works very closely with the student subunit. Bill has worked hard relaying information back and forth between ExCom and the subunit and working on the bylaw revisions. Bill is also working to get more graduate student involvement in the subunit.

Jeff Yanke, who will become President on May 1. Colleen praised Jeff for coming up with the program and theme. She indicated there had been numerous positive comments on both.

Demian Ebert, Past President, for all of his help planning for and running the meeting. He will be greatly missed as he moves into ExCom retirement.

Michele Weaver, our Secretary/Treasurer for two years who has now volunteered to move into the Internal Director position to help with preparations for the 2015 meeting.

Don Ratliff, historian, who is or shortly will be getting all of our historic documents scanned.

Laura Tesler was identified as the new liaison between ORAFS and the OR Wildlife Society, a free ticket to both meetings. The TWS Parent Society meeting is in Oregon in Portland. Laura wants to reach out to the AFS crowd, and asks that you come see her if you want to be involved in ORTWS, since there may be more overlap than you may think. Laura encouraged AFS members to give some talks and get involved. This is a great opportunity to get some cross training in with the wildlife

Colleen then announced that Neil and Demian were hosting a past president meeting/social in the Directors Room to get input and people involved in the 2015 meeting planning.

Lastly, Demian presented election results, announcing

President Elect – Todd Bucholtz
Vice President – Bill Brignon
External Director – Shivonne Nesbit
Internal Director – Michele Weaver
Secretary Treasurer – Garth Wyatt

Rich Grost asked ExCom to stick around for a photo opportunity.

A motion was made to adjourn with no objection. The meeting was adjourned at 14:41.

Oregon Chapter American Fisheries Society
FINANCIAL STATEMENT FOR FISCAL YEAR 2012
 (May 1, 2011 to April 30, 2012)

BEGINNING BALANCE – CHECKING 5/1/2011	\$194,658.56
EXPENSES	
Core Costs	
Accountants - tax preparation	
Mileage	-
Misc office expenses (copying, postage, fax...)	(32.35)
ExCom Spring Retreat	(4,759.11)
Excom Fall Retreat	(1,324.60)
Supplies	(18.44)
Postbox Rental	(62.00)
Website Domain	-
Webhosting	(249.98)
Insurance for Inside Events (via Parent Society)	(150.00)
Business registry	(55.00)
Department of Justice	(95.00)
Miscellaneous Costs	(2,248.00)
Subtotal	(8,994.48)
Goal 1 - Program Development	
Expense for President or designee to WDAFS AM	(1,979.20)
Expense for President or designee to Parent Society AM	
Expense for President or designee to WDAFS Mid-Year	-
Sponsorship of non-ORAFS conferences and projects	
Sponsorship of WDAFS and Parent Society Annual Meetings	(500.00)
Support ExCom to attend other prof organization meetings	
Miscellaneous donations	(250.00)
Subtotal	(2,729.20)
Goal 2 - Policy Advocation	
Legislative Liaison	(1,083.25)
Ext. Dir. Mileage (legislative duties)	-
Ext. Dir. Direct expenses (committee suport, testimony)	
Subtotal	(1,083.25)
Goal 3 - Increase Public Awareness...	
Aquatic education for K-12 schools	-
Sponsorship teachers to attend annual meeting	-
Education material projects	-
Support for historian	-
Subtotal	-
Goal 4 - Promote Development...	
Salmon Maturity Workshop	(9,272.39)

Support members to attend ExCom-selected events	
Plaques & engraving for professional awards	(1,362.90)
Online award form development	-
Certification scholarships	-
Four student scholarships (CC, BS, MS, PhD)	(6,000.00)
Carl Bond Scholarship & student membership	(5,000.00)
NWFCC Scholarships	(1,000.00)
Subtotal	(22,635.29)
Goal 5 - Maintain an Active...	
Fish and Wildlife Graduate Student Support (RAFWAY)	(500.00)
Student subunit support	
Expenses to attend WDAFS student colloquium (or other meeting)	
Subtotal	(500.00)
Annual Meeting	
Costs	(61,391.00)
Money Market Account Opened 2/17/2012	(100,000.00)
TOTAL EXPENSES	(197,333.22)
INCOME	
Salmon Maturity Workshop	11,228.50
Interest from WD Investment Fund	
Interest from Money Market Account	
Outstanding Deposits cashed from FY 2010 (Spring retreat)	4,355.70
Annual Meeting	
Sponsorships	3,000.00
Deposits	78,858.31
Deposits from FY10-11	1,449.00
TOTAL INCOME	98,891.51
NET INCOME 5/1/2011-4/30/2012	(98,441.71)
End of FY11 Balance - 4/30/2012	96,216.85
MONEY MARKET ACCOUNT	
Beginning Balance-2/17/12	100,000.00
Interest	22.24
End of FY11 Balance- 4/30/2012	100,022.24
WD GRANTS ENDOWMENT FUND	
Beginning Balance-5/1/11	10,086.91
Interest	(206.86)
End of FY11 Balance- 4/30/2012	9,880.05
TOTAL ASSETS	
END OF FY12	206,119.14

SESSIONS AT A GLANCE

Start Time	Session Titles (Room)			
WEDNESDAY, FEBRUARY 20				
1:00 p.m.	Plenary (Cascade ABJ)			
2:30 p.m.	< Break >			
3:00 p.m. – 5:00 p.m.	Fish Culture and the Wild Places (Cascade CD) Followed by Fish Culture Committee Meeting	Coast Range and Cutthroat (Cascade EF)	Motion of the Ocean (Cascade G) Followed by Marine Habitat and Ecology Committee Mtg	Recovering Salmon (Cascade HI)
6:00 p.m.	Student-Mentor Mixer (Cascade ABJ)			
8:00 p.m.	Poster Session and Trade Show Social (Exhibit Hall)			
9:00 p.m.	Acoustic Jam Session (Exhibit Hall)			
THURSDAY, FEBRUARY 21				
8:00 a.m.	Of Screens and Passage (Cascade CD)	Restoring Our Fish Habitats (Cascade EF)	Natural Production (Cascade G)	Fish That Aren't Chinook or Lamprey (Cascade HI)
10:00 a.m.	< Break >			
10:20 a.m.– 12:20 p.m.	River Worms: The Life and Times of Lamprey (Cascade CD)	Lake and Reservoir Fish Management (Cascade EF)	Watershed Stewardship: Getting Communities Involved (Cascade G)	Fish That Aren't Chinook or Lamprey (Cascade HI)
12:30 p.m.	Awards Luncheon (no charge), Professional and Scholarship Awards (Exhibit Hall)			
1:45 p.m.	OR AFS Business Meeting (Exhibit Hall)			
2:45 p.m.	< Break >			
3:00 p.m.	River Worms: The Life and Times of Lamprey (Cascade CD) Followed by Natural Production Committee Mtg	Lake and Reservoir Fish Management (Cascade EF) Followed by Freshwater Habitat Committee Meeting	Watershed Stewardship: Getting Communities Involved (Cascade G) Followed by Education and Outreach Committee Meeting	Native Fish Biology and Conservation (Cascade HI) Followed by Native Fish Committee Meeting
5:00 p.m.	ODFW/OSU Sponsored Mixer (Cascade Lobby)			
6:00 p.m.	Banquet Social (Cascade ABCDJ)			
6:00 p.m.	Silent Auction (Cascade ABCDJ)			
6:30 p.m.	Banquet, Awards (Cascade ABCDJ)			
8:00 p.m.	Raffle and Auction (Cascade ABCDJ)			
9:00 p.m.	Texas Hold'em Fundraiser (Cascade ABCDJ)			
9:00 p.m.	Entertainment – The Moon Mountain Ramblers (Cascade ABCDJ)			
FRIDAY, FEBRUARY 22				
8:00 a.m.	Run Forecasts, Migration and Survival Challenges (Cascade CD)	Monitoring PNAMP Macroinvertebrates and Fish Habitat Quality (Cascade EF)	Of Weirs and Passage (Cascade G)	Models, Math and Monitoring (Cascade HI)
9:40 a.m.	< Break >			
10:00 a.m.– Noon	Many Things Steelhead (Cascade CD)	Monitoring: PNAMP Macroinvertebrates and Fish Habitat Quality (Cascade EF) Followed by Legislative Committee Meeting	Of Weirs and Passage (Cascade G)	Many Things Chinook (Cascade HI)

Wednesday, 2/20/13, 3:00-5:00 pm

	Fish Culture and the Wild Places	Coast Range and Cutthroat	Motion of the Ocean	Recovering Salmon
Room	Cascade CD	Cascade EF	Cascade G	Cascade HI
Moderator	Colleen Fagan, ODFW	Kat Gillies-Rector, OSU	Scott Heppell, OSU	Steve Kucas, PWB
3:00 pm	Raising the Wild Child: Wild Fish Surrogates for UWR Spring Chinook Salmon, <i>Oncorhynchus tshawytscha</i> Eric Billman, OCFWRU	The Importance of Environmental Characteristics to Coastal Cutthroat Trout Brooke Penaluna*, OSU	Behavior, Hyperstability, and Population Declines of an Aggregating Marine Fish Scott Heppell, OSU	Recovering Salmon: Wild Plans and Challenging Assumptions Steve Kucas, PWB
3:20 pm	Rearing Environment Effects on Smolt Quality and Early Male Maturation in Spring Chinook Salmon Dina Spangenberg, NMFS	Complex Habitat and Salmonid Abundance Around 15-year-old Debris-flow Deposits in the Oregon Coast Range Kristen Kirkby*, OSU	Do Early Estuary Rearing Coho Salmon (<i>Oncorhynchus kisutch</i>) Return to Spawn? Katherine Nordholm*, OSU	Can We Get Unstuck on the Road to Wild Salmon Recovery by Taking on the Big Problems in Watersheds? Kirk Schroeder, ODFW
3:40 pm	Assessing Downstream Movement Behavior of Spring Chinook Salmon Reared Under Various Experimental and Conventional Conditions Julia Unrein*, OCFWRU	Using Volunteers for a Cutthroat Trout PIT Tag Study: We Get the Data, They Get to Hold a Fish! Karen Hans, ODFW	Freshwater Origin of Yearling Columbia River Chinook Salmon Affects Growth and Survival in the Ocean Larissa Rohrbach, NMFS	Direct Intervention: What We Have May Not Be What We Need Doug Cramer, PGE
4:00 pm	Assessment of Disease Outbreak Risks in Hatcheries in the Willamette River System Michelle Jakaitis*, OSU	The Effects of Stream Adjacent Logging on Downstream Populations of Coastal Cutthroat Trout Douglas Bateman, OSU	Space Use, Habitat and Growth of Gag (<i>Mycteroperca microlepis</i>) in the Gulf of Mexico Zy Biesinger, OSU	Salmon 2100: Preparing for the Future Gordon Reeves, PNW
4:20 pm	A new Approach for Imprinting Hatchery Reared Salmon to Targeted Spawning Locations: Olfactory Imprinting in Chinook Salmon <i>Oncorhynchus tshawytscha</i> David Noakes, OSU	Effects of Forest Management on Salmonids in Headwater Streams of Western Oregon Steven Cramer, CFS	The Effects of Temperature and Predator Densities on the Consumption of Walleye Pollock (<i>Theragra chalcogramma</i>) by Three Groundfish in the Gulf of Alaska Kevin Thompson*, OSU	We Predict Major Increases of Native Salmonids in the Klamath River Resulting from the Proposed Removal of Four Dams David Buchanan, KRERFPM
4:40 pm	Loss of Genetic Integrity in Hatchery Steelhead Despite Regular Wild Integration Bingham Daniel, USFWS	Coastal Cutthroat Trout in Headwater Stream Networks: Distribution and Abundance in Space and Time Walter Jason, WNR	A New Cryptic Species of <i>Sebastes</i> from the Northeastern Pacific Benjamin Frable*, OSU	Quit Pretending We Can Make Things the Way They Once Were and Concentrate on What They Can Be Ray Beamesderfer, CFS
5:00 pm - 5:30 pm	Fish Culture Committee Meeting Colleen Fagan, ODFW		Marine Habitat and Ecology Committee Meeting Scott Heppell, OSU	

*Student

AFFILIATION ACRONYMS

AECOM = AECOM Technology Services, Inc.
ANWS = Association of Northwest Steelheaders
BOR = U.S. Bureau of Reclamation
CCPUD = Chelan County PUD
CCUT = Cow Creek Umpqua Tribe
CFS = Cramer Fish Sciences
CRITFC = Columbia River Intertribal Fish Commission
CTWS = Confederated Tribes of Warm Springs
DEQ = Oregon Department of Environmental Quality
ELR = Eco Logical Research, Inc.
EPA = Environmental Protection Agency
FI = Freshwaters Illustrated
IDFG = Idaho Department of Fish and Game
KRERFPM = Klamath River Expert Resident Fish Panel Member (retired)
LTWC = Long Tom Watershed Council

MCFRU = Montana Cooperative Fishery Research Unit
MDAI = MaxDepth Aquatics, Inc.
MF = McKenzie Flyfishers
MSU = Montana State University
MWC = McKenzie Watershed Council
NCASI = National Council of Air and Stream Improvement
NFWF = National Fish and Wildlife Foundation
NMFS = National Marine Fisheries Service
NPS = National Park Service
NPT = Nez Perce Tribe
NWFSC = Northwest Fisheries Science Center
PGE = Portland General Electric
PNW = Pacific NW Research Lab
PSMFC = Pacific States Marine Fisheries Council
PWB = Portland Water Bureau
OCFWRU = Oregon Cooperative Fish and Wildlife Research Unit

ODFW = Oregon Department of Fish and Wildlife
OSU = Oregon State University
SPS = WELL Project, Springfield Public Schools
SS = Stillwater Sciences
SSWS = Siuslaw Salmon and Watershed Studies
TNC = The Nature Conservancy
TT = Tetra Tech
UL = University of Lethbridge, Lethbridge, Alberta, Canada
UO = University of Oregon
USFS = U.S. Forest Service
USFWS = U.S. Fish and Wildlife Service
USGS = U.S. Geological Survey
WDFW = Washington Department of Fish and Wildlife
WF = Western Fishes
WNR = Weyerhaeuser NR
YNF = Yakama Nation Fisheries

ORAL PRESENTATIONS

Thursday, 2/21/13, 8:00-10:00 am

	Of Screens and Passage	Restoring Our Fish Habitats	Natural Production	Fish That Aren't Chinook or Lamprey
Room	Cascade CD	Cascade EF	Cascade G	Cascade HI
Moderator	Ken Loffink, ODFW	Ian Reid, USFS	Kyle Bratcher, ODFW	Jim Capurso, USFS
8:00 am	Priority Unscreened Diversion Inventory Pete Baki, ODFW	Determining Where and What to Fix for Optimum Stream Restoration Benefits Steven Cramer, CFS	A Closer Look: Stress and Parasites in Pre-spawn Mortality Susan Benda*, OSU	Phylogenetic Analysis of Speckled Dace from Oregon's Great Basin Kendra Hoekzema*, OSU
8:20 am	Fish Screens and Fall Freshets — A Cautionary Tale Rich Grost, PacifiCorp	An Example of Quantitatively Identifying the Optimal Spatial Arrangement of Freshwater Salmon Habitat Restoration/Improvement Projects in a California Stream Kevin N. McDonnell*, OSU	Estimating Survival and Movement Rates Using Multistate Mark-recapture Models Mariah Mayfield*, MSU	Use of Dynamic Multi Season Occupancy Models in the Conservation of Desert Fishes Jessica Saenz*, OSU
8:40 am	An Overview of the Biological Performance Evaluation of the 11.3 km North Fork Downstream Migrant Pipeline Located at North Fork Dam on the Clackamas River near Estacada, OR Garth Wyatt, PGE	A River, and Many Fish, Run Through It: The Removal of Condit Dam and Other Large-scale Dam Removals in the PNW Elizabeth Gilliam, SS	Phenology of the <i>Ceratomyxa shasta</i> Life Cycle: Implications for Climate Change Luciano Chiamonte*, OSU	Feasibility Assessment for Translocation of Imperiled Bull Trout Populations in Glacier National Park Ben Galloway*, MCFRU
9:00 am	Lessons Learned from Developing Fish Passage Crossings for Projects Traversing Multiple Watersheds Chris James, TT	Restoring Coho Salmon Habitat in the Illinois River Subbasin: A Tale of Two Streams Ian Reid, USFS	Habitat Characteristics of the Willamette River, Oregon: Relating Fishes to Their Environment Josh Williams*, OSU	Use of Antimycin-A to Restore Native Bull Trout Habitat in Lower Sun Creek, Sun Pass State Forest, and Crater Lake National Park David K. Hering, NPS
9:20 am	Sub-watershed Scale Barrier Prioritization and Habitat Restoration in the Long Tom Watershed Jed Kaul, LTWC	Rehabilitation of Camp Polk Meadow Preserve Paul Powers, USFS	Life History Traits of Native and Non-Native Fish in the Willamette River and Floodplain Habitat Stan Gregory, OSU	Recruitment of Young Bull Trout into Lake Billy Chinook, Oregon Don Ratliff, PGE
9:40 am – 10:00 am	ODFW Fish Passage Priority List — Methodology and Results Ken Loffink, ODFW	Using Ecological Context to Define Riparian Management Areas Brian Pickard*, OSU	Spawning Habitat Selection by Coho Salmon (<i>Oncorhynchus kisutch</i>) in Response to Large Wood Additions Steve Clark*, USGS	Examining Brook Trout Invasion into Bull Trout Streams of the Canadian Rockies Will Warnock*, UL

*Student

ABSTRACTS from the technical sessions and symposia, as well as other conference information, may be found on the ORAFS website at www.orafs.org. A community copy of the abstracts will be available at the registration table.

SILENT AUCTION



Grande Ronde steelheading with Jeff Yanke and Kyle Bratcher

Thursday, 2/21/13, 10:20 am -12:20 pm

	River Worms: The Life and Times of Lamprey	Lake and Reservoir Fish Management	Watershed Stewardship: Getting Communities Involved	Fish That Aren't Chinook or Lamprey
Room	Cascade CD	Cascade EF	Cascade G	Cascade HI
Moderator	Bianca Streif, USFWS	Holly Huchko, ODFW	Shannon Richardson, ODFW	Jim Capurso, USFS
10:20 am	Relationships Between the Abundance of Pacific Lamprey in the Columbia River and Their Common Hosts in the Marine Environment Josh Murauskas, CCPUD	Lakes and Reservoirs Case Study—Howard Prairie Reservoir Dan Van Dyke, ODFW	"Follow Our Fish!" — New Media Outreach and Community Engagement in a Multi-Year Trout Population Study Scott Kinney	The Influence of Sex, Latitude, and Migration Distance on Expression of Anadromy in <i>Oncorhynchus mykiss</i> Haley Ohms*, OSU
10:40 am	Changes in California Lamprey Distribution: Trying to Make Sense of it All Stewart Reid, WF	Improving Rainbow Trout Fisheries in Central Oregon Lakes — Management Strategies for Coping with Introduced Species Mike Harrington, ODFW	Communities and Science: Making the "Connection" Meghan Kearney*, USFWS	High Mortality Rates of Juvenile, Endangered Lost River Suckers Associated with Sub-lethal Water Quality Conditions in Upper Klamath Lake: Two Years of Mesocosm Cage Studies Alex Wilkens, BOR
11:00 am	Pacific Lamprey Status in Fifteenmile Creek Subbasin Matt Fox, CTWS	Tools in the Fisheries Management Toolbox — A Lake Fish District Perspective Dave Banks, ODFW	Fostering Partnerships Through Student Research: A Service-Learning Approach to Riparian Stewardship Keats Conley*, UO	Effects of Chiloquin Dam on Spawning Distribution and Larval Emigration of Lost River, Shortnose, and Klamath Largescale Suckers in Tributaries to Upper Klamath Lake, Oregon Barbara Martin, USGS
11:20 am	Larval Pacific Lamprey <i>Entosphenus tridentatus</i> are Tolerant to Low Concentrations of Salinity Gregory Silver*, USFWS	Diamond Lake Creel : 2006–2012 Holly Huchko, ODFW	Invasive Chub Removal and Biological Monitoring in Three Central Oregon Lakes — A Partnership Between ODFW, OSU Cascades, Angling Clubs and Resorts Jennifer Luke, ODFW	Effects of Spring Time Lake Elevation on Lost River Sucker Spawning Behavior: Evidence from Remote PIT Tag Detections Summer Burdick, USGS
11:40 am	Habitat Factors Related to the Relative Abundance and Distribution of Larval Pacific Lamprey in the Willamette River Basin Luke Schultz, OSU	Smallmouth Bass Abundance and Dietary Habits at Three Mainstem Columbia River Dams: Are Tailrace and Forebay Environments "Hotspots" of Salmonid Predation? Erick Van Dyke, ODFW	Community-based Environmental Education: A Salmon Watch Story Jennifer Weber, MWC	Business Plan Approach to Recovery Planning in the Klamath Basin Krystyna Wolniakowski, NFWF
Noon – 12:20 pm	Monitoring Adult Spawning Activity of Pacific Lamprey (<i>Entosphenus tridentatus</i>) in Three Willamette River Tributaries Lance Wyss, OSU	The Role of Fish Management in Lake Eutrophication in Oregon Joseph Eilers, MDAI	Trout Across the Pond: Environmental Education, Conservation and Connection for School Children in Oregon and Northern Ireland Rebecca Flitcroft, USFS	Does Rarity Constitute a Threat Under the Endangered Species Act? Chris Allen, USFWS

*Student

SILENT AUCTION



Columbia Gorge with Ryan Gerstenberger

Technical Sessions, Thursday, 2/21/13, 3:00-5:30 pm

	River Worms: The Life and Times of Lamprey	Lake and Reservoir Fish Management	Watershed Stewardship: Getting Communities Involved	Native Fish Biology and Conservation
Room	Cascade CD	Cascade EF	Cascade G	Cascade HI
Moderator	Bianca Streif, USFWS	Holly Huchko, ODFW	Shannon Richardson, ODFW	Jim Capurso, USFS
3:00 pm	USFWS Update on Lamprey Conservation Bianca Streif, USFWS	Restoring a Unique, Trophy Trout Fishery in SE Oregon Through Chemical Treatment Shannon Hurn, ODFW	Citizen Science at Gold Lake Robert Bumstead, MF	Life-history Diversity in Oregon Tributaries to the Lower Columbia River: Implications for Recovery Planning for Chum Salmon Brian Alfonso, ODFW
3:20 pm	Columbia River Basin Partnership for Lamprey Conservation Brian McIlraith, CRITFC	Bull Trout — Prey Population Dynamics at Lake Billy Chinook, Oregon Don Ratliff, PGE	The Advanced Water Teams: An Innovative Watershed Monitoring and Stewardship Program Stuart Perlmeter, SPS	Determining the Effectiveness of Infrastructure in Limiting Movements and Recruitment of Common Carp and Monitoring Spatial Distribution of All Species in a Small Eastern Oregon Canal Kristopher Crowley, USFWS
3:40 pm	A Tribal Perspective on Lamprey Research and Conservation in the Umpqua Basin Kelly Crispin Coates, CCUT	Are Willowa Lake Kokanee Showing Signs of Resilience Following Large Size and Low Abundance? Jeff Yanke, ODFW	Salmonberry River Monitoring Ian Fergusson, ANWS	From Feasibility to Field: Tracking the Movements of Oregon Chub Using PIT Tags, Visual Implant Elastomer Marks, and Freeze Brands Brian Bangs, ODFW
4:00 pm	Artificial Propagation of Pacific Lamprey: Lessons Learned and Path Forward Ralph Lampman, YNF	Phillips Reservoir: “Bucket Biology” or Intentional Fishery Management, Which Will Prevail? Tim Bailey, ODFW	Radio Tagging McKenzie River Wild Trout Dave Thomas, MF	Fish Monitoring at the Delta Ponds Floodplain Restoration Project, Eugene, Oregon Shadia Duery, CFS
4:20 pm	Pacific Lamprey Restoration Within the Yakama Nation Ceded Lands: Current Status and Future Plans Patrick Luke, YNF	Torn Between Two Fisheries — Coho and Largemouth at Tenmile Lakes Michael Gray, ODFW	We Couldn’t Do It Without YOU! Jim Grano, SSWS	Resolving the Mystery of the Disappearing California Roach Demian Ebert, AECOM
4:40 pm	The Pacific Lamprey Literacy Kit: A Collection of Imagery and Films to Communicate the Nature and Needs of an Imperiled Fish Jeremy Monroe, FI	Lakes and Reservoirs Case Study — Fish Lake Peter Samarin, ODFW	Education and Outreach Committee Meeting Karen M. Hans, ODFW	NEW! Native Fish Committee Meeting Jim Capurso, USFS
5:00 pm – 5:30 pm	Natural Production Committee Meeting Jens Lovtang	Freshwater Habitat Committee Meeting Ian Reid, USFS		

*Student

Join Oregon Chapter AFS’ newest committee!



Oregon chub

NATIVE FISH COMMITTEE

The initial meeting of the Native Fish Committee of the Oregon Chapter American Fisheries Society will be held in the Riverhouse Hotel, Feb. 21 at 4:40 p.m., after the all-day Native Fish Biology and Conservation Session. Everyone (that includes students, researchers, managers, professionals, technicians, etc.) is welcome to participate, and no fees will be charged to join the committee. The business will be enhancing the understanding and conservation of Oregon’s native fish, with an emphasis on non-game native fish. James Capurso will serve as the initial Committee Chair. YOU are needed to develop the committee’s 2013 work plan. That plan will include a two-day field trip scheduled this summer and open to all, with presentations and field observations featuring a non-game native fish. This is an opportunity for a mutual learning environment while helping to conserve Oregon’s native fish.

Technical Sessions, Friday, 2/22/13, 8:00-9:40 am

	Run Forecasts, Migration and Survival Challenges	Monitoring: PNAMP Macroinvertebrates and Fish Habitat Quality	Of Weirs and Passage	Models, Math and Monitoring
Room	Cascade CD	Cascade EF	Cascade G	Cascade HI
Moderator	Steve Heaseker, USFWS	Amy Pul, USGS	Derrek Farber ODFW	Karen Hans, ODFW
8:00 am	Use of Known Origin PIT-tagged Fall Chinook to Estimate Adult Migration Survival in the Columbia and Snake Rivers 2007-2011 Blane Bellerud, NMFS	Exploring the Relationships Among Macroinvertebrates, Habitat, and Fish Productivity for Better Monitoring Outputs Seth White, CRITFC	How Far Can Weirs Be Pushed? Testing the Limits of Floating Weirs in the Pacific Northwest Kent Mayer, WDFW	Toxics Monitoring in Oregon — A Statewide Approach Lori Pillsbury, DEQ
8:20 am	Predicting Wild and Hatchery Adult Fall Chinook Returns to the Coos Basin, Oregon Gary Vonderohe, ODFW	Relationships Among Macroinvertebrate Assessment Tools and Fish and Habitat Data from the Oregon Coastal Coho ESU Shannon Hubler, DEQ	Nez Perce Tribe Utilization of Fish Weirs for Fish Management and Research in the 21st Century Neal Espinosa, NPT	Fish Monitoring at the Delta Ponds Floodplain Restoration Project, Eugene, Oregon Shadia Duery, CFS
8:40 am	Paradigms Collide: The Synergistic Tale of How Combined Alternative Commercial Fishing Gear and Acoustic Telemetry Evaluations Provided Insight on Lower Columbia River Coho Salmon Run Timing Tucker Jones, ODFW	Linking Fishes to Their Food Via Estimates of Secondary Invertebrate Production Ryan Bellmore, USGS	Finger-weir Livebox Entrance Alternatives for Resistance-panel and Alaskan-style Weirs Shane Smith, ODFW	Determining the Effectiveness of Infrastructure in Limiting Movements and Recruitment of Common Carp and Monitoring Spatial Distribution of All Species in a Small Eastern Oregon Canal Kristopher Crowley, USFWS
9:00 am	Preliminary Protein Evidence for Multiple Sources of Thiaminase in Great Lakes Aquatic Animals Allison Evans, OSU	Linking <i>O. kisutch</i> Population Stability to Isotope-inferred Diet Breadth Along a Stream-age Gradient in Glacier Bay, AK or: Can This Sort of “Snapshot” Information Be Useful in Monitoring? Debra S. Finn, OSU	Salmonid Life Cycle Monitoring Weirs on the Oregon Coast Erik Suring, ODFW	How Many Baskets? Quantifying Spatial Distribution for Anadromous Salmonids Julie Firman, ODFW
9:20 am – 9:40 am	Sharing Data While Maintaining Security Bruce Schmidt, PSMFC	Relationships Between Drifting and Benthic Macroinvertebrates: Bridging the Gap Between Fish Habitat and Water Quality Assessments Nicolaas Bouwes, ELR	Hood River Resistance Board Weirs — Construction, Operation and Biological Uses/Constraints Jeremy Stahler, ODFW	Stream Shade Simulation Models: How Accurate Are They? Mark Teply, CFS

SILENT AUCTION



Clackamas winter steelhead with Garth Wyatt

Technical Sessions, Friday, 2/22/13, 10:00 am-Noon

	Many Things Steelhead	Monitoring: PNAMP Macroinvertebrates and Fish Habitat Quality	Of Weirs and Passage	Many Things Chinook
Room	Cascade CD	Cascade EF	Cascade G	Cascade HI
Moderator	Adrienne Averett, ODFW	Amy Pul, USGS	Derek Faber, ODFW	Christine M Clapp, ODFW
10:00 am	Sink or Smolt — Lower Elevation John Day River Steelhead Populations Shelly Banks, ODFW	Macroinvertebrate Drift Density and Composition in the Upper Calapooia River, Oregon, During Baseflow Conditions: Implications for Recovery of Anadromous Salmonids Robert Danehy, NCASI	30 Years of Weir Operations on the Imnaha River: The Effect of Logistics on Salmon Management and Biology Timothy Hoffnagle, ODFW	Upper Willamette River Spring Chinook Pre-spawn Mortality Synthesis and Modeling Michael Colvin, OSU
10:20 am	Of Wild Steelhead and Steel Fences Timothy Copeland, IDFG	Identification of Stressors to Stream Benthic Communities That Result from Storm Water Impacts with Implications for Salmon Habitat Robert Plotnikoff, TT	Minimizing Adverse Passage Effects of Exclusion Barriers and Traps Bryan Nordlund, NMFS	A Bayesian Meta-analytic Assessment of the Effect of Watershed Geomorphology and Lithology on Chinook Salmon Recruitment Matt Falcly, ODFW
10:40 am	Estimating Summer Steelhead Escapement — Redds Served with GRTS Jim Ruzycski, ODFW	Panel Session	Thermal Impacts and Stability of Channel Spanning Boulder Weirs in Mosby Creek Robert Danehy, NCASI	Spring Chinook Salmon Spawning Demographics and Distribution in the South Fork McKenzie River — Status of a Complex, Long-term Mitigation Effort Nik Zymonas, ODFW
11:00 am	Refining a Stratified GRTS Design to Estimate Summer Steelhead Escapement in Northeast Oregon Kasey Bliesner, ODFW		Stream Flow Effects on Smolt Survival in the Yakima River Basin, Washington Ian Courter, CFS	Long- and Short-term Changes in Age-at-Maturity of Columbia River Basin Spring/Summer Chinook Salmon Steve Haeseker, USFWS
11:20 am	This Spot Is Just Right: Using Channel Morphology to Refine Steelhead Redd Surveys Marika Dobos, ODFW	Legislative Committee Meeting Jeremiah Osborne-Gowey	Evaluation of Modeling Techniques for Forecasting Anadromous Runs Using Correlated Environmental Data Joshua L. McCormick, ODFW	Life History Variation Within and Among Chinook Salmon Populations: A Role for Variation in Emergence Timing? Brian Beckman, NWFSC
11:40 am – Noon	Accounting for Delayed Migration in Out-migration Studies of Salmon and Steelhead Tommy Garrison, CFS		A Comparison of Mortality, Growth, and Tag Retention of Juvenile Spring Chinook Salmon Implanted with Two Types of PIT Tags Luke D. Whitman, ODFW	Improving Confidence in Abundance Estimates of Fall Chinook Salmon in the Nestucca River Basin Michael Sinnott, OSU

Help us make the 2014 meeting even better!

Please take a minute to give us your thoughts and comments.

Click here to give your feedback

www.datagle.com/OregonAFS

MANY THANKS!

Poster Session

SETUP

Noon – 7:30 PM • Wednesday, February 20

Boards will be provided and names of poster authors will be indicated on each board. Authors are responsible for their own hanging hardware. PUSH PINS ONLY, NO TAPE OR VELCRO — they are hard on the boards.

POSTER SESSION and TRADE SHOW SOCIAL

8:00 PM – Midnight • Wednesday, February 20

During the social, authors are asked to be with their posters between 8:00 and 9:00 p.m.

DISPLAY HOURS

8:00 PM – Midnight • Wednesday, February 20

8:00 AM – 6:00 PM • Thursday, February 21

7:30 AM – 10:30 AM • Friday, February 22

TAKEDOWN

10:20 AM – Noon • Friday, February 22

Any materials left after noon on Friday will be discarded.

Cascade Exhibit Hall

Shelly Banks ODFW	1	7	Madeline Eckmann* OSU
Ben Kennedy USFWS	2	8	Natanya Hayden TNC
Joshua Jones USFS	3	9	Mike Gauvin ODFW

Jason Dunham USGS	13	18	William Brignon* OSU/USFWS
Sierra Lewis* OSU	14	19	Joseph Helstab MPS
Charles Korson BOR	15	20	Briita Orwick* USFWS

Matt Weeber ODFW	4	10	James Charland Consultant
Emily Campbell* OSU	5	11	Joe Ebersole EPA
Lindsey Belcher ODFW	6	12	Erin Peterson* OSU

Hazel Owens* OSU	16	21	Robert Danehy NCASI
Brock Phillips BOR	17	22	Sean Roon* OSU

KEY TO ACRONYMS ON PAGE 19

* Student

POSTER SESSION

	Title	Author, Organization
1	Sink or Smolt — Lower Elevation John Day River Steelhead Populations	Shelley Banks, ODFW
2	Migration Dynamics of Released Hatchery Steelhead Smolts Determine Type and Magnitude of Ecological and Genetic Risks	Ben Kennedy, USFWS
3	Upper Thomas Creek Restoration Plan: Halting Disturbances and Assisting Stream Recovery to Enhance Modoc Sucker Habitat	Joshua Jones, USFS
4	Counting Coho: A Case Study in the North Umpqua	Matt Weeber, ODFW
5	Linkages Between Climate Change and the Phenologies of Juvenile Salmon and Their Invertebrate Prey in Streams	Emily Campbell*, OSU
6	Assessing Growth Rates of Age 1 <i>O. mykiss</i> in the John Day River Basin	Lindsey Belcher, ODFW
7	How Do Bull Trout Select Thermal Habitat in Ross Reservoir?	Madeleine Eckmann*, OSU
8	Ecological Benefits of a River Delta Restoration	Natanya Hayden, TNC
9	Deschutes River Anadromous Reintroduction and Passage Program	Michael Gauvin, ODFW
10	Bioenergetic Modeling of Migrating Sockeye: Individual Performance Informs Population Resilience	James Charland, Consultant
11	Simulating Fish Assemblages in Riverine Networks	Joe Ebersole, EPA
12	The Biogeography of Speckled Dace (<i>Rhinichthys osculus</i>) in Oregon	Erin Peterson*, OSU
13	The Influence of Spatial Factors and Large Wood on Juvenile Coho Salmon Density	Jason Dunham, USGS
14	Validating Historic Habitat Use by Anadromous Fishes Using Telemetry and Stable Isotope Analysis Above Barriers	Sierra Lewis*, OSU
15	Effects of Non-Physical Modalities at Reducing Entrainment of Klamath Basin Suckers	Charles Korson, BOR
16	Do Cutthroat Trout Go with the Flow? Hydrologic Determinants of Cutthroat Trout (<i>Oncorhynchus clarkii</i>) Abundance at Hinkle Creek	Hazel Owens*, OSU
17	Continuation of a Power Transfer Curve and Evaluation of Electrofishing Injury in Endangered, Juvenile Suckers in the Klamath Basin	Brock Phillips, BOR
18	Captive Rearing of Bull Trout Within the Framework of Adaptive Resource Management and Strategic Habitat Conservation	William Brignon*, OSU/USFWS
19	Summer Home Range, Movement Behavior, and Habitat Selection of Headwater Resident Bull Trout in Sun Creek, Oregon	Joseph Helstab, NPS
20	Pet Storeowner Survey: Preventing Aquaria Release into the Wild	Britta Orwick*, USFWS
21	Thermal Impacts and Stability of Channel Spanning Boulder Weirs in Mosby Creek	Robert Danehy, NCASI
22	Pathogen Prevalence in Wild/Naturally Reared Juvenile Salmon Populations Above and Below Willamette River Basin Hatcheries	Sean Roon*, OSU

See organization acronyms on Page 19

*Student