



# 48TH ANNUAL MEETING

# WELCOME FISH MIND OUR SOCIETY FEBRUARY

FEBRUARY 28 - MARCH 2 2012  
EUGENE, OREGON

Program printing sponsored by



*Let's turn the answers on.*

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#### ABOUT THE COVER

Tina Galli was the winner of our Chapter's inaugural cover art design contest. Regarding her submission, Tina writes: "The inspiration for this piece came from its title. I envision the man-made elements of our social fabric to be harder and more unyielding, while the natural elements are softer and overflowing, without boundaries. Here, the two are intertwined or forced together in one space."

Tina holds a degree in photography and graphic design. After working as a freelance artist on the Oregon Coast for four years, she recently relocated to the beautiful Columbia River Gorge.



## Raise Your Hand

Now is the time to get involved with the Oregon Chapter! During the annual meeting, all of the external committees will meet to discuss work plans for the upcoming year. **Every committee can use some fresh ideas, more bodies, and new faces.** Check out the program, and plan to attend an external committee meeting to learn about how you can get involved. If you are interested in stepping up your participation and can't attend the meetings, email [ExternalDirector@orafs.org](mailto:ExternalDirector@orafs.org). To borrow a line from a good friend and fellow biologist: "Together We Are Better."

**Get involved and become a more active member of the Oregon Chapter!**

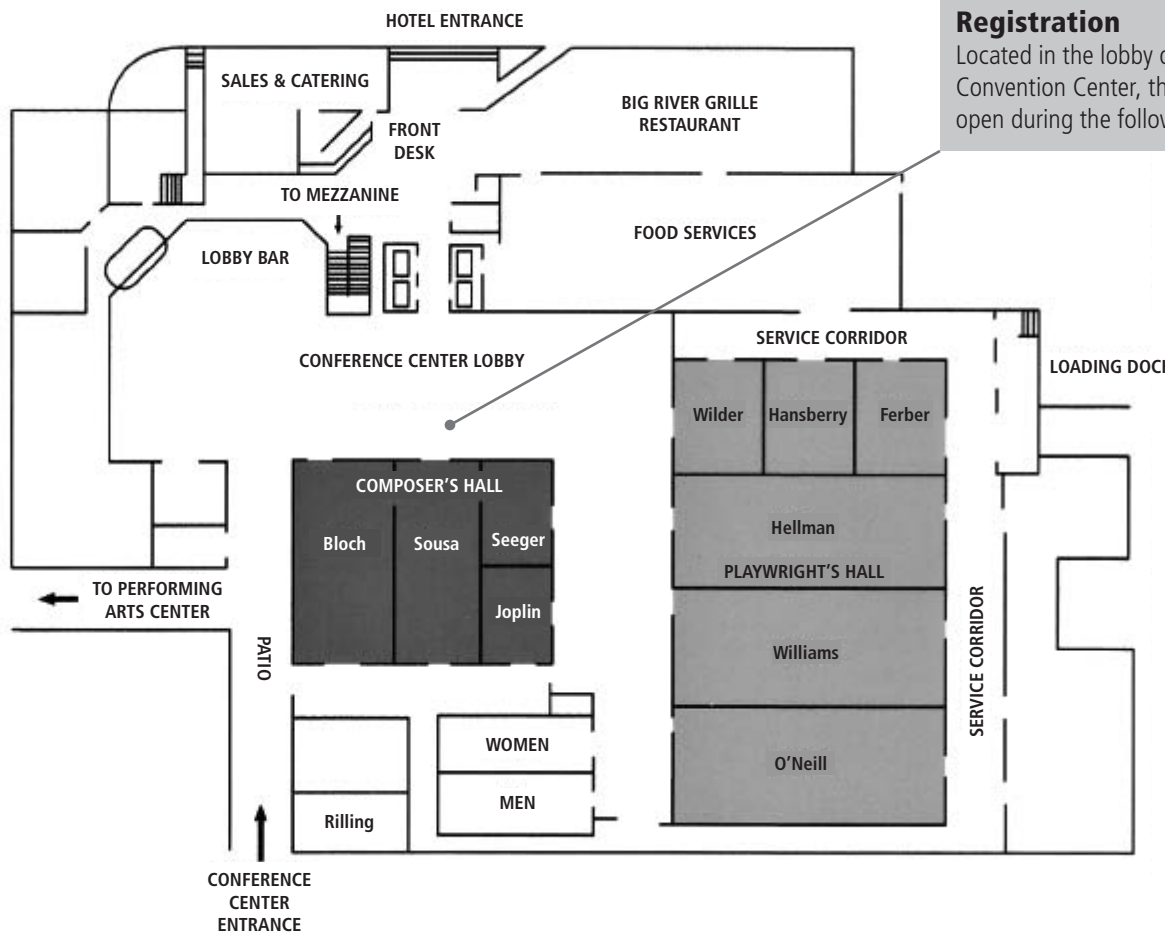
<b>2</b>	<b>Conference Maps</b>
<b>4</b>	<b>Schedule at a Glance</b>
<b>5</b>	<b>Letters of Welcome</b>
<b>7</b>	<b>ORAFS Leadership</b>
<b>8</b>	<b>2012 Planning Committee</b>
<b>9</b>	<b>Plenary Session</b>
<b>10</b>	<b>Socials</b>
<b>11</b>	<b>Raffle &amp; Auction</b>
<b>12</b>	<b>Vendor Exhibits</b>
<b>13</b>	<b>Annual Business Meeting</b>
<b>14</b>	<b>2011 Meeting Minutes</b>
<b>16</b>	<b>2011 Financial Report</b>
<b>18</b>	<b>Sessions at a Glance</b>
<b>19</b>	<b>Schedule of Oral Presentations</b>
<b>25</b>	<b>Poster Session</b>
<b>27</b>	<b>Evaluation Form</b>



## Downtown Eugene Restaurants

- 1 **SIXTH STREET GRILL** 541-485-2961, 55 W. 6th Ave. (Northwestern \$\$) \$5-\$25
- 2 **RED AGAVE** 541-683-2206, 454 Willamette St. (Latin American \$\$\$) \$10-\$25
- 3 **OREGON ELECTRIC STATION** 541-485-4444, 27 E. 5th Ave. (Northwestern \$\$\$) \$10-\$25
- 4 **SUSHI STATION** 541-484-1334, 199 E. 5th Ave. (Japanese \$\$\$) \$10-\$25
- 5 **STEELHEAD BREWERY** 541-686-2739, 199 E. 5th Ave. (Brew Pub \$\$) \$5-\$25
- 6 **LUCKY NOODLE** 541-484-4777, 207 E. 5th Ave. (Thai/Italian Noodles \$\$\$) \$10-\$25
- 7 **CORNUCOPIA** 541-485-2676, 207 E. 5th Ave. (Continental \$) \$5-\$25
- 8 **THE GRANARY PIZZA CO.** 541-343-8488, 259 E. 5th Ave. (Thin Crust Rustica \$\$) \$10-20
- 9 **BELLY** 541-683-5896, 291 E. 5th Ave. (Rustic European \$) \$4-16
- 10 **SUSHI PURE** 541-654-0608, 296 E. 5th Ave. (Japanese \$\$\$) \$5-\$25
- 11 **LAVELLE WINE BAR & BISTRO** 541-338-9875, 296 E. 5th Ave. (Wine Bar \$\$) \$10+
- 12 **MARCHE** 541-342-3612, 861 Willamette St. (French/Continental \$\$\$) \$10-\$25
- 13 **SUSHI YA** 541-686-3464, 5 E. 8th Ave. (Japanese \$\$) \$10-\$25
- 14 **BAGEL SPHERE** 541-341-1335, 810 Willamette St. (Bagels \$) \$5-\$10
- 15 **THE LOUIE** 541-242-3315, 861 Willamette St. (Variety/Deli \$) \$5-\$12
- 16 **DAVIS'** 541-485-1124, 94 W. Broadway (Continental \$\$\$) \$5-25
- 17 **POPPI'S ANATOLIA** 541-343-9661, 992 Willamette St. (Greek/Mediterranean \$\$\$) \$10-\$25
- 18 **VOODOO DOUGHNUT** 541-868-8666, 20 E. Broadway (Specialty Doughnuts \$) \$1-10
- 19 **CAFÉ MAROC** 541-434-5862, 28 E. Broadway (Moroccan/Tunisian \$\$\$) \$14-23
- 20 **ADAM'S SUSTAINABLE KITCHEN** 541-344-6948, 30 E. Broadway (Continental \$\$\$) \$12+
- 21 **HAWTHORNE'S DELI** 541-683-0738, 153 E. Broadway (Deli \$) \$5-\$15
- 22 **PALACE BAKERY** 541-484-2435, 844 Pearl St. (Bakery \$) \$5-\$15
- 23 **NOODLE BOWL** 541-686-1114, 860 Pearl St. (Korean Noodle House \$) \$5-\$15
- 24 **CAFÉ ZENON** 541-684-4000, 898 Pearl St. (Continental \$\$\$) \$16-\$22
- 25 **AMBROSIA** 541-342-4141, 174 E. Broadway (Italian \$\$\$) \$10-\$25
- 26 **STARBUCKS** 541-338-7951, 901 Pearl St. (Continental \$) \$1-\$10
- 27 **MEZZA LUNA** 541-684-8900, 933 Pearl St. (Pizzeria \$\$\$) \$5-\$25
- 28 **SWEET BASIL** 541-284-2944, 949 Pearl St. (Thai \$\$\$) \$5-\$25

# Hilton Eugene Conference Center



## Registration

Located in the lobby on the first floor of the Convention Center, the registration table will be open during the following hours:

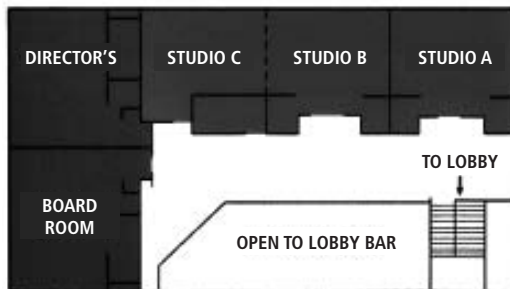
**Tues., Feb. 28**  
10:00 AM – 5:00 PM

**Wed., Feb. 29**  
7:00 AM – 6:30 PM

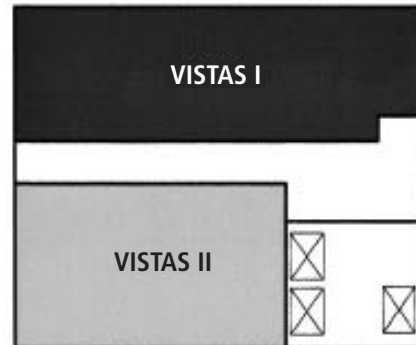
**Thurs., March 1**  
7:00 AM – 5:00 PM

**Fri., March 2**  
7:00 AM – Noon

## Hotel Mezzanine



## Vistas, 12<sup>th</sup> Floor



## SCHEDULE AT A GLANCE

### TUESDAY, FEBRUARY 28

7:00 am – 5:00 pm	Vendor Exhibits Display Setup	Lobby
10:00 am – 5:00 pm	Registration / Information	Lobby
1:00 pm – 5:00 pm	Workshops (3)	Bloch/Sousa/Hellman
3:00 pm – 3:20 pm	Coffee and Refreshment Service	Lobby
5:00 pm – 6:00 pm	Workshop Social	Lobby

### WEDNESDAY, FEBRUARY 29

7:00 am – 6:30 pm	Registration / Information / Sales Desk Open	Lobby
7:00 am – Noon	Coffee and Refreshment Service	Lobby
8:00 am – Noon	Workshops (3)	Bloch/Sousa/Hellman
8:00 am – 2:30 pm	Vendor Exhibits Display Setup	Lobby
Noon – 7:30 pm	Poster Session Setup	Hellman/Williams
1:00 pm – 2:30 pm	Plenary Session	Williams/O'Neill
2:30 pm – 3:00 pm	Break and Refreshment Service	Lobby
2:30 pm – Midnight	Vendor Exhibits	Lobby
3:00 pm – 5:00 pm	Concurrent Sessions (5)	
6:00 pm – 7:30 pm	Student-Mentor Mixer	Vistas I
8:00 pm – Midnight	Poster Session and Vendor Exhibits Social	Hellman/Williams/Lobby
10:00 pm – Midnight	Acoustic Jam Session	Hellman/Williams

### THURSDAY, MARCH 1

7:00 am – 5:00 pm	Registration / Information / Sales Desk Open	Lobby
7:30 am – 8:00 am	Coffee and Refreshment Service	Lobby
8:00 am – 6:00 pm	Poster Session	Hellman/Williams
8:00 am – 6:00 pm	Vendor Exhibits	Lobby
8:00 am – 10:00 am	Concurrent Sessions (5)	
10:00 am – 10:20 am	Break and Refreshment Service	Lobby
10:20 am – 12:20 pm	Concurrent Sessions (5)	
12:30 pm – 2:00 pm	Awards Luncheon (no charge), Professional Awards, Scholarship Awards	Williams/O'Neill
2:00 pm – 2:45 pm	OR AFS Business Meeting	Williams/O'Neill
2:45 pm – 3:00 pm	Break and Refreshment Service	Lobby
3:00 pm – 5:00 pm	Concurrent Sessions (5)	
4:00 pm – 5:00 pm	Past Presidents Social	Directors
5:00 pm – 6:00 pm	ODFW/OSU Sponsored Mixer	Lobby
6:00 pm – 6:30 pm	Banquet Social	Playwright's Hall
6:00 pm – 8:30 pm	Silent Auction	Playwright's Hall
6:30 pm – 8:00 pm	Banquet, Awards	Playwright's Hall
8:00 pm – 9:00 pm	Raffle and Auction	Playwright's Hall
9:00 pm – 12:30 am	Texas Hold'em Fundraiser	Playwright's Hall
9:00 pm – 12:30 am	Entertainment – The Deb Cleveland Band	Playwright's Hall

### FRIDAY, MARCH 2

7:00 am – Noon	Registration / Information / Sales Desk Open	Lobby
7:30 am – 8:00 am	Coffee and Refreshment Service	Lobby
8:00 am – 10:20 am	Vendor Exhibits	Lobby
8:00 am – 10:20 am	Poster Session	Hellman/Williams
8:00 am – 10:00 am	Concurrent Sessions (5)	
10:00 am – 10:20 am	Break and Refreshment Service	Lobby
10:20 am – 12:20 pm	Concurrent Sessions (5)	
10:20 am – 12:20 pm	Vendor Exhibits and Poster Takedown	Lobby



**G**REETINGS, and welcome to the 48<sup>th</sup> Annual Meeting of the Oregon Chapter of the American Fisheries Society. All of us have much to be proud of regarding our Chapter's accomplishments in 2011. For the 10th time since 1993, we were named the AFS Outstanding Chapter of the Year. It is an honor to serve on the Executive Committee of the most diverse, active and dedicated AFS Chapter in the nation.

I am proud of the support our Chapter continues to provide to professional and student members, including

- the awarding of scholarships and professional awards,
- contributions to the Oregon State University Fish and Wildlife Club for participation in fisheries-related activities and attendance at our annual meeting, and
- our "Fish out of Water Waiver," which offers need-based financial assistance for members to attend the annual meeting.

I am also proud of our support of other AFS chapters and organizations with similar missions, including sponsorships to the 2011 AFS Annual Meeting and the 2012 Western Division Annual Meeting, and funding to support the STEP and the 2011 State of the Beaver conferences.

With the help of the 2012 Annual Meeting Planning Committee, the Chapter has organized an outstanding meeting, packed with the presentations, posters, professional development, and networking opportunities we are famous for. Many thanks to all of you for attending and for those agencies, universities, and businesses that continue to support our efforts (many are listed on the back cover of the program).

New this year, our committee breakout sessions will follow the technical sessions, rather than the Annual Business Meeting. Our hope is to get more members involved with our internal and external committees, thereby providing the Chapter the expertise needed to develop and provide statements in response to proposed policy direction and legislative actions. For years we have relied on the many efforts of too few people. Attend a committee meeting, learn which major legislative issues are being tracked by the Chapter, and volunteer to draft white papers, provide testimony, disseminate science-based information to lawmakers, and participate in meetings with leadership from conservation and resource management organizations.

Learn more about Chapter activities and help elect the new Executive Committee at Thursday's Business Meeting. You can also get involved and stay informed via our Chapter e-mail distribution list announcements, website uploads, and our Twitter and Facebook accounts.

Take advantage of everything our 2012 meeting has to offer and, again, Welcome!

COLLEEN FAGAN

*President, Oregon Chapter of the American Fisheries Society*

## Welcome to Weaving Fish into Our Social Fabric, the 48<sup>th</sup> Annual Oregon Chapter Meeting

Deeply rooted in historical and ancestral relationships between people and natural resources, the Pacific Northwest has an immense fisheries network, or “fabric,” if you will. The connections of this fabric are wide and the layers deep, linking not only ourselves as professionals but also the people most of us serve. From the biologist to the child learning to fish, from the elder celebrating the year’s first salmon to the rancher serving on the local watershed council or the administrator steering policies for his or her agency — we each have a unique thread woven through this social fabric.

The extensive nature of this social fabric presents our organization with a special challenge. To achieve our mission of advancing science, education, and public discourse concerning fisheries, our science must be connected to myriad public policies, social ideals, and political will. This requires that our work reach a wider audience beyond those with access to scientific journals, and the fewer yet who can comprehend the content. If that weren’t challenge enough, we must do this while preserving the integrity of our science.

To support the goal of science-based decision making, our work can’t simply be tied to the social fabric; it must be woven into the very structure. “Weaving fish into our Social Fabric” is more than a theme; it’s a challenge and a call to action. This year’s technical program was structured to encourage us to keep a wider view, beyond the research contracts on our desks. Knowing how our science can fit into the broader needs of society strengthens the social fabric we, and the resource we aim to conserve, depend on to thrive.

Our plenary speakers will address the concept of “Weaving Fish into our Social Fabric” from several different perspectives: the common threat facing fish and society in climate change, management initiatives that reconnect people with natural resources, and the

social benefits of fish and watershed conservation. Thanks to the vision and hard work of our moderators and presenters, the technical sessions will highlight the great research our members are conducting,

juxtaposed with examples of how science is addressing important resource management challenges.

Sustaining the relevance of fisheries in our social fabric requires that we continue to act as a voice for the resource long after the program concludes this week. Providing scientific information at the rapid pace of the public process necessitates an active and energized membership year-round. To increase participation on our external committees, we’re bringing their annual meetings right to the sessions and to those (read: YOU) with the interest and expertise to make them effective. With your response and involvement, we can build a stronger voice for fish in the year ahead.

During the course of a year, our own social fabric — woven between ourselves as fishery professionals — can become frayed. Enjoy the social events we’ve

planned to help mend those relationships, and hopefully create new ones. In addition, please help with one of our most important missions: the development of fishery professionals. Remember to play an active role this week in engaging our students and young professionals, and recruit them into our social fabric.

Finally, thanks to all you for attending and participating in this meeting. We understand that you faced some difficult challenges finding the resources and support to be here this week. Thanks to your commitment to our professional organization, we’ve assembled an excellent and diverse program with over 160 presentations and a full poster session. Your involvement is truly the heart and soul of our Chapter, and we are so fortunate to have your support. Enjoy!



Jeff Yanke

PROGRAM CHAIR  
2012 ANNUAL MEETING

## 2011-2012 Executive Committee



**Colleen Fagan**  
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.



**Jeff Yanke**  
ODFW

**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.



**Demian Ebert**  
AECOM

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.



**Michele Weaver**  
ODFW

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.



**Jason Kent**  
Tetra Tech

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.



**Michelle Scanlan**  
OSU



**Megan McKim**  
OSU

The **Student Representatives** serve as liaisons between the Chapter and the approved Student Subunit(s) of the Chapter. Assist Vice President with student planning for Annual Meeting.

## 2011-2012 Committee Chairs

### INTERNAL COMMITTEES

#### AWARDS

Mindy Simmons (COE)

#### HISTORIAN

Don Ratliff (PGE)

#### INVESTMENT COMMITTEE

Michele Weaver (ODFW)

#### LIAISON TO THE WILDLIFE SOCIETY

Laura Tesler (ODFW)

#### NEWSLETTER EDITOR

Allison Evans (OSU)

#### RESOLUTIONS & BYLAWS

Bill Brignon (OSU/USFWS)

#### 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)

#### NATURAL PRODUCTION

Jens Lovtang (CTWS)

#### LEGISLATIVE LIAISON

Sue Marshall (Trillium Consulting)

Contact information available at [www.orafs.org](http://www.orafs.org)

*2012 Annual Meeting*  
**PLANNING COMMITTEE**

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**PLANNING COMMITTEE CHAIR**

*Jeff Yanke (ODFW)*

**ANNUAL BUSINESS MEETING**

*Colleen Fagan (ODFW)*

**BUDGET**

*Colleen Fagan (ODFW)*

**FACILITY & FOOD ARRANGEMENTS**

*Jason Kent (Tetra Tech)*

**IMBIBEMENTS**

*Mike Gauvin (ODFW)*

*Neil Ward (CBFWA)*

**POSTER CHAIR**

*Bill Brignon (OSU/USFWS)*

**PROGRAM GUIDE**

*Jeff Yanke (ODFW)*

**RAFFLE & AUCTION**

*Alison Dauble (ODFW)*

*Brook Silver (USFWS)*

**REGISTRATION**

*Michele Weaver (ODFW)*

**SIGNS & BANNERS**

*Jason Kent (Tetra Tech)*

**SPONSORSHIPS**

*Colleen Fagan (ODFW)*

**STUDENT COORDINATION  
& ACTIVITIES**

*Bill Brignon (OSU/USFWS)*

**STUDENT PAPER JUDGING**

*Mike Hudson (USFWS)*

**TECHNICAL PROGRAM**

*Jeff Yanke (ODFW)*

**TEXAS HOLD'EM**

*Tom Iverson (CBFWA)*

*Dave Ward (HDR)*

**VENDOR EXHIBITS**

*Demian Ebert (AECOM)*

**WEBSITE & ONLINE ABSTRACT  
SERVICE**

*Kara Anlauf-Dunn (ODFW)*

**WORKSHOPS**

*Shivonne Nesbit (ODFW/USFWS)*

*Jeff Yanke (ODFW)*



**Climate Change and Salmon in Oregon**

**BILL BRADBURY**

With a 27-year career in public office, and as the executive director of the nonprofit organization For the Sake of the Salmon, Bill Bradbury knows a thing or two about weaving fish into Oregon’s social fabric. Mr. Bradbury has an impressive resume of leading initiatives that bring salmon conservation and diverse social values together. Currently, he represents Oregon on the Northwest Power and Conservation Council and will speak about a pressing challenge for Oregonians and our beloved salmon: climate change. From freshwater spawning streams to mid-ocean feeding grounds, the consequences of climate change will affect every mile of our salmon’s extensive migrations. Trained by Al Gore, Mr. Bradbury is well-versed in climate change issues, and has given more than 250 presentations on the subject.

**Plenary Session**

**1:00–2:30 PM**

**Wednesday, Feb. 29**

**O’NEILL / WILLIAMS**



**Fisheries Restoration in a First Foods Context**

**ERIC QUAEPTS**

No other people in history have woven fish into their social fabric like our Northwest Native American tribes. Eric Quaempts currently serves as the director for the Confederated Tribes of the Umatilla Indian Reservation’s (CTUIR) Department of Natural Resources and will present “Fisheries Restoration in a First Foods Context.” The CTUIR has organized its functions and responsibilities through a focus on traditionally gathered resources identified by the tribal community as “First Foods.” The First Foods serving ritual in the CTUIR community’s ceremonies and events identifies a reciprocal relationship between people and the environment on which they depend. The First Foods initiatives have been widely recognized, and Mr. Quaempts has presented the concept in a variety of natural and cultural resource forums, including the National Science Foundation’s sustainability conference in Concepcion, Chile, in 2008.



**Empowering People to Address Watershed Health**

**KEN BIERLY**

The Oregon Plan for Salmon and Watersheds epitomizes how fish can be successfully woven into our social fabric. Ken Bierly, special projects manager for the Oregon Watershed Enhancement Board, will talk about “Empowering People to Address Watershed Health.” Across the state of Oregon, local non-governmental organizations, other local residents and public agencies have taken on significant challenges and started to address the conditions necessary to sustain salmon. Particularly in these hard economic times, a relatively modest investment in funding for local action and support of local groups can mean a big boost to rural economies. Mr. Bierly serves on the board of directors of the Association of State Wetland Managers and is a recipient of the EPA/ELI Wetland Protection Award for outstanding individual achievement in wetland conservation.

**To maximize networking opportunities and celebrate our Chapter's accomplishments, the 2012 ORAFS Annual Meeting will host several social events in Eugene. Admission to socials requires a conference name badge.**



**Student-Mentor Social  
Wednesday, February 29..... 6:00 – 7:30 PM  
Vistas I**

This social event is quickly becoming a destination for both students and professionals who attend the Annual Meeting. Our popular “speed dating” format maximizes the opportunity for students to network with a diverse array of professionals. Participants will have the occasion to share experiences and challenges from their fisheries careers and discuss potential future opportunities, all in a relaxed, friendly atmosphere. Students from all Oregon colleges and universities are welcome to attend.

**Poster & Vendor Exhibits Social  
Wednesday, February 29..... 8:00 PM – Midnight  
Hellman/Williams/Lobby**

Thirty-six informative posters, covering a wide variety of fisheries related topics, will be coupled with featured vendor exhibits in the lobby. Weave your way through the posters and crowd while enjoying a fine local craft brew. Stop and chat with the poster presenters and other colleagues. Authors will be present at their posters from 8:00 to 9:00 p.m. to discuss their work.

**Acoustic Jam Session  
Wednesday, February 29..... 10:00 PM – Midnight  
Hellman/Williams**

Meeting attendees who enjoy music, especially that produced by fellow fish-heads, are welcome to partake in the acoustic jam session during the latter part of the poster and vendor exhibits social. All those who are musically-inclined are welcome to participate!

**Banquet Social, Banquet, Auction & Raffle  
Thursday, March 1..... 6:00 – 9:00 PM  
Playwright's Hall**

**Social:** 6:00 PM – 6:30 PM

**Silent Auction:** 6:00 PM – 8:30 PM

**Banquet:** 6:30 PM – 9:00 PM

**Raffle and Oral Auction:** 8:00 PM – 9:00 PM

Everyone is encouraged to attend Thursday night's events, where we push away from our computers, take the waders off, park the boats, and relax with friends and colleagues. Who knows, you might win some sweet artwork, a long-awaited fishing trip, or some fresh outdoor gear. Complimentary beverages will be provided throughout the night, so grab a drink and some raffle tickets and try your luck. A banquet ticket is required to receive a banquet meal, but not necessary to participate in the raffle and auction. This event is sure to be continuous fun, so purchase your tickets in advance.

**The Deb Cleveland Band  
Thursday, March 1..... 9:00 PM – 12:30 AM  
Playwright's Hall**

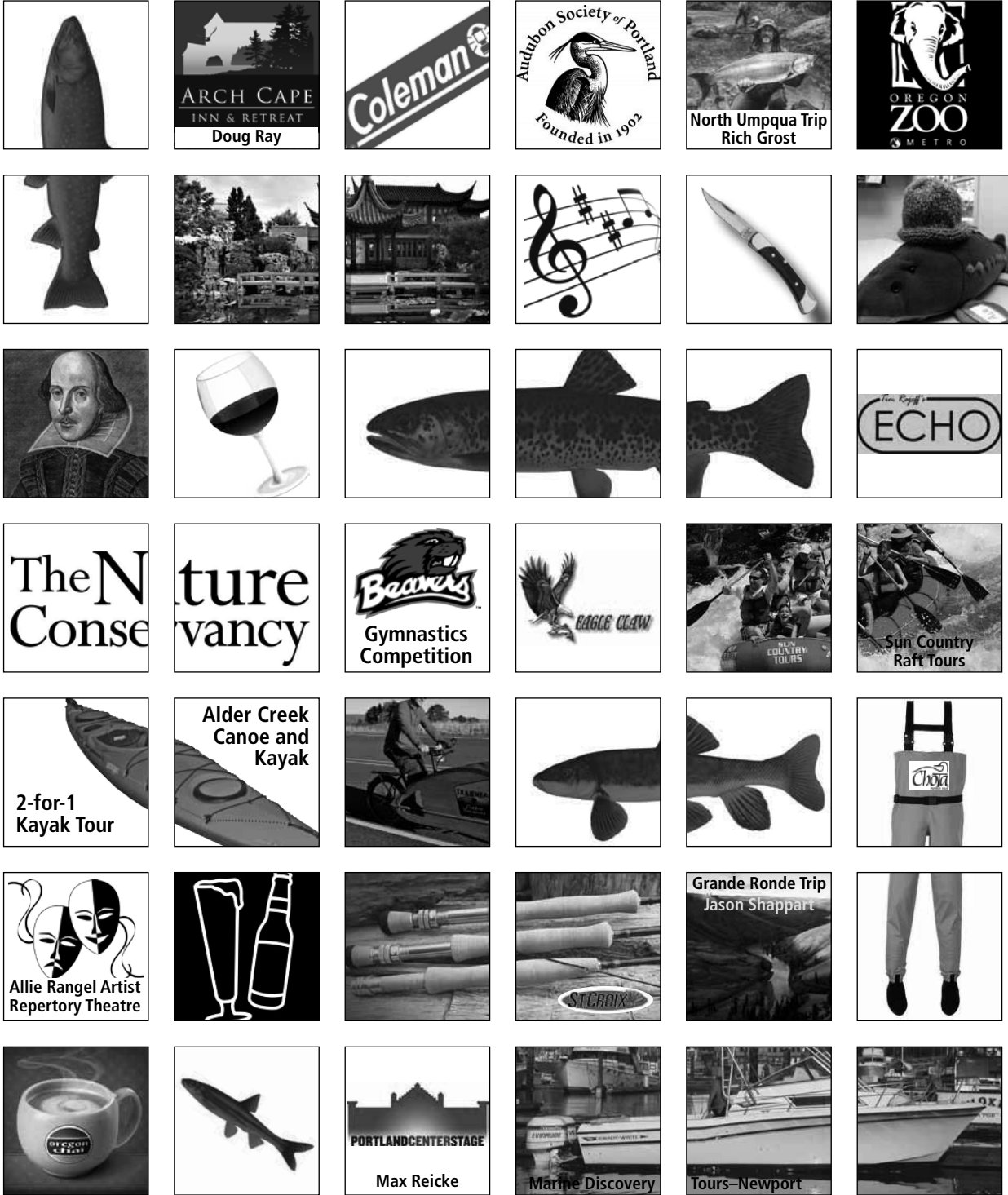
Meeting attendees who enjoy music and dancing will not want to miss Eugene's own The Deb Cleveland Band. For over 10 years, The Deb Cleveland Band has been doing just that: delivering soulful, swinging jazzy blues and funk. Deb is widely recognized as the regional Queen of Voice, having been voted the Eugene Weekly's Best Blues Singer three times, being featured on OPB's Artbeat, and bringing down the house at the Eugene Celebration. She is the real thing!



**Texas Hold'em Fundraiser  
Thursday, March 1..... 9:00 PM – 12:30 AM  
Playwright's Hall**

“Son, I've made a 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. Sign up at the registration table in the lobby during registration hours. (\$25 registration fee).

*Purchase some raffle tickets and get your winning on! Donations are continuously rolling in, but as of press time, here are some of the exciting items you can win.*



**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!

## VENDOR EXHIBITS



**COME AND SEE** what is happening in fishery science, arts, and technology at the 2012 Vendor Exhibits. 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 Vendor Exhibits area. We look forward to seeing you there.

### **Biomark Inc.**

**Boise, ID**

**208-275-0011; kirstyn.mckay@biomark.com**

**www.biomark.com**

Biomark specializes in RFID tag (PIT tag) and related PIT tagging equipment. This pioneering company integrates their products by designing, manufacturing, installing, managing, and maintaining the systems that detect the tags at specific and strategic locations for invaluable data collection and comprehensive results. Biomark also provides specialized biological services to the fish and wildlife research community, including PIT tagging fish and wildlife, study execution, and report writing.

### **BioSonics Telemetry and LOTEK**

**Seattle, WA**

**206-783-9356; ewaters@biosonicstelemetry.com**

**www.biosonicsinc.com**

**www.lotek.com**

BioSonics Telemetry and LOTEK Wireless have partnered as the leading supplier of acoustic tags (JSATS, MAP, R-Code), autonomous and mobile tracking receivers, and software analysis tools. Their innovative solutions provide effective means for fine-scale tracking of fish through any aquatic environment.

## **Vendor Exhibits**

### **Setup**

Begins 7:00 AM Tuesday

### **Display Hours**

2:30 PM – Midnight • Wednesday, Feb. 29

8:00 AM – 6:00 PM • Thursday, March 1

8:00 AM – 10:20 AM • Friday, March 2

### **Creative Pewter Designs**

**Silverdale, WA**

**360-620-3460; les@wildlifepins.com**

**www.wildlifepins.com**

Sculptor Kevin E. Johnson designs beautiful fish and wildlife collectibles that let you wear your passion on your lapel. The pewter, copper and bronze creations are made in the U.S.A. and hand painted by a team of talented artisans. Creative Pewter Designs' extensive collection includes 1,400 designs available as pins, key chains, ornaments and magnets.

### **River Design Group Inc.**

**Corvallis, OR**

**503-307-8367; tbrandt@riverdesigngroup.net**

**http://www.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, their expertise extends to geomorphic characterization, river corridor habitat enhancement, dam removal, and fish passage and screening.

### **Smith-Root Inc.**

**Vancouver, WA**

**360-573-0202; sjanson@smith-root.com**

**www.smith-root.com**

With over four decades of experience, Smith-Root is widely considered to be the world's leading designer and producer of fisheries conservation equipment. Smith-Root markets a broad range of fisheries investigation products, including electrofishing equipment, fish counters, and electric fish barriers. Smith-Root currently produces well over 600 items and maintains a significant manufacturing facility on-site.

**Agenda**  
**Oregon Chapter of the American Fisheries Society**  
**Annual Business Meeting**

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**March 1, 2012 | Eugene, Oregon**

- 2:00 p.m. Call to Order (Colleen Fagan)**
- Identify Parliamentarian
  - Determination of quorum (50 voting members)
  - Recognitions:
    - 2011 National Outstanding Chapter of the Year Award
    - Executive Committee
    - Committee Chairs, Newsletter, Web Master
    - Sponsors and Special Guests
- 2:05 p.m. Approve Minutes from 2011 Annual Business Meeting (Fagan)**
- Summarize Financial Statement, FY 2010-2011
- 2:10 p.m. President's Report (Colleen Fagan)**
- Strategic Plan Goals and Accomplishments
  - Products, Sponsorships, and Communications
  - 2015 Parent Society Meeting – Portland, Oregon
  - New Business
- 2:20 p.m. WDAFS Update (Dave Ward)**
- 2012 WDAFS Meeting – Jackson Hole, Wyoming
  - 2015 Parent Society Annual Meeting – Portland, Oregon
- 2:25 p.m. Student Subunit Report (Megan McKim, Subunit President and Co-Liaison, and Michelle Scanlan, Secretary and Co-Liaison)**
- 2:30 p.m. External Director's Report (Shivonne Nesbit)**
- Legislative Committee
  - Legislative Liaison (Sue Marshall, Trillium Consulting)
  - Other Committee Actions
- 2:35 p.m. Election of New Officers (Demian Ebert)**
- Candidates*
- President-Elect: Todd Buckholz and Mike Gauvin
  - Vice President: Bill Brignon (incumbent)
  - Secretary-Treasurer: Amy Mai and Garth Wyatt
  - Internal Director: Michele Weaver
  - External Director: Shivonne Nesbit (incumbent)
- 2:40 p.m. Presentation of Past President Award**
- 2:45 p.m. Adjourn**

## Draft Minutes Oregon Chapter of the American Fisheries Society Annual Business Meeting

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24 February 2011 | Bend, Oregon

*Submitted by Michele Weaver*

President Demian Ebert called the meeting to order at 1:45 p.m. Demian identified the parliamentarian, Dave Ward. Dave determined that a quorum of at least 50 voting members was present. Demian recognized the Executive Committee and Annual Meeting Planning Committee. He also gave special thanks to Allison Evans for her help in organizing and editing the Piscatorial Press newsletter content and to Kara Anlauf for her continued volunteer efforts keeping the website updated. Next, Demian recognized the meeting sponsors and pointed them out on the back of the program. Two special guests were recognized, both longtime Oregon AFS (ORAFS) members. Dave Ward was recognized as the President-Elect of Western Division AFS (WDAFS), and Bob Hughes was recognized as the second Vice President of National AFS.

Demian called attention to the minutes from the 2010 Annual Business Meeting and the Financial Statement for FY 2009-2010, which were included in the meeting program. He asked for any corrections to the minutes. Hearing none, the minutes were approved as written. There were no comments or questions on the financial report.

### PRESIDENT'S REPORT

**Strategic Plan Goals and Accomplishments:** Demian informed us that the mid-year report for WDAFS was completed. The report documented what ORAFS has done toward the strategic plan goals and accomplishments. There were eight elements. 1. Develop programs. We held the 2010 Annual Meeting in Eugene. We had a Salmon in the City workshop with a diverse array of participants who came to discuss and learn about issues revolving around salmon in city limits. 2. Continue to support our students through sponsorships and support. The students are a key piece to running our meetings. Their volunteer hours go a long way toward a successful meeting. 3. Laws and policy. This is the second year in a row that we have a legislative liaison. Barry McPherson is working on a Marine Pinniped Task Force. 4. Increase public awareness. The Education & Outreach Committee is working on getting our website updated and revamping the chapter poster. We have entered the Twittersphere, and Jeremiah Osborne-Gowey (External Director) and Demian are both tweeting updates during this meeting. 5. Develop fishery professionals. We have financial assistance available to help get our members certified as fishery professionals. This year we also implemented a Fish Out of Water Waiver for up to 10 people to participate in the annual meeting at a reduced cost, with about five members thus supported. 6. Encourage and active and diverse membership and support OSU participation. We provide student lodging in exchange for volunteer hours. One half of the AFS members living in Oregon are Oregon Chapter members. 7. Finances. We have money available to help fund things and/or invest. Michele is looking for input and accepting members for an investment committee. 8. Organizational structure. We are updating the handbook and revising the bylaws.

**Products, Sponsorships, and Communications:** A highlight of 2010 included the Salmon in the City workshop. This workshop was inspired by a technical session at the 2010 Annual Meeting, which Mike Reed from

the City of Portland helped organize. We are helping the U.S. Fish and Wildlife Service with a salmon maturity workshop in spring 2011. ORAFS is providing support for the financial transactions for that workshop. We are planning on a science and policy workshop this fall. We will work with The Wildlife Society to help connect policy writers with science professionals. We have given several scholarships this year and sponsored three meetings. We sponsored the Parent Society (via Western Division), the State of the Beaver Conference, and the ODFW STEP conference. We have contributed \$2,000 to date toward sponsorships.

**Bylaw Revisions:** After the spring 2010 retreat, the ExCom started revising the bylaws. Most changes are to look and formatting, and most of the content remains the same; however, there are three changes of note. 1. Change the beginning term of officers from September 1 to May 1. The reason for this is to better align the dates with the planning and budget cycle. As is, the current president develops a budget that the incoming president has to live with. 2. Update the process by which we conduct business. We would like to conform to the parent society's method of electronic voting. This change would allow us to use a secure, web-based electronic voting format. 3. Add a formal process by which an officer or committee chair can be removed from his or her position. Most of us work in an environment where we can relate to a "refined structure" to get things done; this change will help with that. After countless revisions, we now have final revised bylaws that were sent to the membership for review 30 days prior to this meeting and were also summarized in the meeting program. We can vote now at this meeting to accept the revised bylaws. We need a 2/3 vote. Demian called for a motion, Bob Hughes made the motion and there were multiple seconds. During discussion, Don Ratliff spoke up to say that he thought it was a good idea. A vote was called and there was no opposition. The parliamentarian confirmed that the motion passed by more than a 2/3 majority vote. The revised bylaws were accepted as written. Demian reviewed the process of what happens next: We will send the revisions to the WDAFS ExCom and national governing board, in that order, for their approval.

**Western Division AFS Update:** Dave Ward gave a WDAFS update. Two of the five Executive Committee members of WDAFS are ORAFS members, and they are here today. The mid-year officer meeting is in Grand Junction. Dave reminded everybody that WDAFS has funds available to help members get their fishery professional certification. There is also a small student travel fund for students to go to meetings. This year's National AFS Meeting is being co-hosted by WDAFS. Dave acknowledged the loss of meeting attendees to the Seattle meeting. He said that the Seattle meeting will be a record breaker. The largest number of symposia in the past was 61; there were 123 symposia proposals for the Seattle meeting. He said they will end up with somewhere around 90 symposia and expect to have over 3,000 participants.

### STUDENT SUBUNIT REPORT

Justin Huff (Student Representative) gave the Student Subunit report. They are in the process of restructuring the subunit to include more schools. There has been some effort made to reach out to other schools. The student subunit will update the wording in the handbook to say

“Oregon chapter student subunit” and not the “OSU student subunit.” The Student Subunit is in the process of planning a spring break trip to Yellowstone National Park to see other species and diversify their experiences. Justin reminded everybody that a meeting to talk about the student restructuring will break out in the back of the room after this business meeting.

## ELECTION OF NEW OFFICERS

Demian passed the election of the new officers off to Rich Grost (Past President). Rich thanked all the candidates who agreed to run for office. He asked all to stand up and be recognized. He appreciated having multiple candidates for the President-elect and External Director positions, and encouraged the non-winning candidates, Todd Buchholz and Jeff McEnroe, to consider serving in other capacities and run again in the future. The new officers for the 2010-2011 term are as follows: Demian will move into the Past President position, Colleen Fagan will become President, Jeff Yanke has been elected President-elect, Bill Brignon was elected Vice President, Michele Weaver was re-elected for a second term as Secretary-Treasurer, Jason Kent was re-elected for a second term as Internal Director, and Shivonne Nesbit was elected to the External Director position.

## PRESENTATION OF THE PAST PRESIDENT AWARD

At 2:13 p.m. Demian presented the Past President’s Award to Rich Grost. Rich has provided much institutional knowledge, which has been very helpful over the past three years. Demian believes Rich even channeled previous past presidents at some points, an event that ExCom found quite frightening. Demian said, “Thank You! You will probably not be forgotten. In fact, you will probably be asking Michele all about the numbers next year (just like Neil did this year).”

## EXTERNAL DIRECTOR’S REPORT

Demian then passed the microphone to Jeremiah for the Internal Director’s report. Jeremiah mentioned that he was thankful for the opportunity to serve for three years in the position of External Director, but he is ready for other roles. He has been involved with the Oregon Chapter for the past 12 years and is excited for the next step. He reflected back on his participation in a number of roles and was impressed with the energy of the Executive Committee. He challenged the young members to step up and to continue helping the Executive Committee keep the energy going.

**Legislative Committee:** Jeremiah mentioned that we hired (through a competitive process) Sue Marshall, a contract lobbyist with Trillium Consulting, to be our Legislative Liaison. He mentioned that she has worked with Dave Moskowitz in the past and that we are excited to work with her this year tracking and weighing in on some important and pertinent bills. Sue wanted to come to this meeting to meet and talk with everybody; however, she was turned back by inclement weather. Jeremiah gave a brief background and bio for Sue. He informed us how she had put together a “hot list” of bills that she will be tracking for us and when it becomes opportune will let us know how best to participate. He mentioned that the goal of the ORAFS will be to give impartial, science-based information to the legislators for them to use.

We have provided letters of support for the National Fish Habitat Conservation Act (NFHCA), which was recently included in a large federal Omnibus bill. However, the Omnibus bill didn’t pass so we may have other opportunities to support the NFHCA. We have had some missed opportunities this year. It would be good to have some more pressure on the media platforms. Twitter and Facebook are some avenues that could use more action. We missed an opportunity to review an Oregon Department of Environmental Quality gold mining and suction dredging bill. We missed the opportunity to provide comments to a

Marine Reserves proposal; we sent out a notice to the membership but had no reply. We sent out a draft forestry program, which had a 30-day comment period, but we received no feedback. Jeremiah didn’t want to belabor or have a negative feeling; he would like to issue a challenge to get involved.

Looking forward, there is a legislative policy workshop with The Wildlife Society that is in the planning stage. Sue Marshall has polled the members of the legislature and their aides, and we got some good input to the timing of the event (fall would be best) as well as some content.

**Education & Outreach Committee:** We have had communication with a local Corvallis business that has offered to update our website free of charge. Kara Anlauf, who volunteers her time to keep our website up to date, only has so much time, and while she is able to keep things updated, doesn’t have much time for revamping or redesigning. To update our site, the company in Corvallis, offered to host a design competition (which would require some feedback from us) with three nonprofit organizations. The winner would get an overhaul/update to their website.

We are in the process of updating the ORAFS poster. The Education & Outreach Committee has been working on this, and we hope to have an updated poster to take to trade shows and other meetings to help inform potential members what the chapter is about and help recruit new members. After this business meeting, the committee will break out and discuss the updates to this poster. We are interested in pursuing the possibility of making some YouTube educational videos. If there are any members that have experience or are good at that, let us know.

In wrapping up, Jeremiah mentioned that we have a number of committees. He encouraged members to sign up for them so they can get involved and we can have some people who are willing to help in their areas of expertise. He mentioned that we are working on a couple of white papers, one on hatchery/wild fish interaction and one on the impacts of heavy metals on aquatic species. There are a number of issues that we can weigh in on. Some examples are the impacts of recreational gold mining, the marine reserves, the National Fish Habitat Conservation Act, and the Klamath Basin dam removal issue. Jeremiah reiterated that it would be nice to see the external committees active and able to contribute when called upon.

## HISTORIAN UPDATE

At 2:30 p.m. Demian introduced Chapter Historian Don Ratliff. Don’s goal is to create an overall written history of the chapter, including all the activities and accomplishments by decade. He would like to get the photos digitized and archived and create a running list of award winners and Executive Committee members. This will inform the new members of the “legacy of the chapter.” Don warned us all that he will be asking for help in the near future as he begins to work on this.

## OTHER BUSINESS

At 2:33 p.m. Demian asked if there were any other items that the members would like to discuss. Jim Hall requested that the Executive Committee consider moving the annual meeting one month later (March) in honor of local climate change. He said many were unable to make it to Bend this year because of the winter storm that made travel difficult. Recognizing that this year was an unusual storm, Jim thought a March meeting may still be better. Demian explained that the dates for 2012 are already contracted, but ExCom will consider this request as dates for 2013 and future meetings are selected.

Demian asked for any additional business from the floor. Hearing none, the meeting was adjourned at 2:34 p.m., and the committee roundtable discussions followed.

Oregon Chapter American Fisheries Society  
**FINANCIAL STATEMENT FOR FISCAL YEAR 2011**  
 (May 1, 2010 to April 30, 2011)

<b>BEGINNING BALANCE</b>	<b>\$191,189</b>
<b>EXPENSES</b>	
<b>Core Costs</b>	
Mileage	\$384
Office Supplies (copying, postage, fax...)	\$68
Bank Charges	\$382
Post office box rental	\$60
Webhosting/Web Development	\$420
Insurance (for events via National AFS)	\$150
ExCom Fall Retreat	\$2,925
<b>Subtotal</b>	<b>\$4,389</b>
<b>Goal 1 – Program Development</b>	
Expense for President or designee to AFS AM	\$979
Expense for President or designee to WDAFS Mid-Year	\$691
Sponsorship of non-ORAFS conferences and projects	\$1,000
Sponsorship of AFS National Annual Meeting	\$1,000
<b>Subtotal</b>	<b>\$3,670</b>
<b>Goal 2 – Policy Advocation</b>	
Confluence Consulting (liaison support for Leg. Com.)	\$3,124
<b>Subtotal</b>	<b>\$3,124</b>
<b>Goal 3 – Increase Public Awareness</b>	
T-shirts and other products to sell	\$1,423
Support ORAFS representative to promote chapter at related professional conferences	\$1,027
<b>Subtotal</b>	<b>\$2,450</b>
<b>Goal 4 – Promote Development Opportunities</b>	
Four student scholarships (CC, BS, MS, PhD)	\$8,000
Carl Bond Scholarship	\$5,000
NWFCC Scholarships	\$1,000
Plaques & engraving for professional awards	\$1,072
<b>Subtotal</b>	<b>\$15,072</b>
<b>CORE AND PROGRAM EXPENSES</b>	<b>\$28,705</b>

**INCOME**

Interest from WD Investment Fund	\$1,290
Chapter Rebates/Dues	\$1,659
2010 Annual Meeting	
Sponsorships	\$4,252
Registrations (minus hotel and fixed costs)	\$15,276
Vendors	\$2,500
Raffle/Auction	\$8,589
OSU	\$310
Salmon in the City Workshop	\$1,385
Outstanding Checks	\$7,000
<b>TOTAL INCOME</b>	<b>\$42,261</b>
<b>NET INCOME/DEFICIT</b>	<b>\$13,556</b>
<b>ENDING BALANCE</b>	<b>\$204,745</b>
<b>Non-Property Assets as of May 1, 2010</b>	<b>\$191,189</b>
<b>Non-Property Assets as of April 30, 2011</b>	<b>\$204,745</b>

**Allocation of ORAFS Holdings**

as of January 1, 2012

Umpqua Checking	\$188,819.59	95%
WDAFS Endowment (as of 11/30/11)	\$9,253.78	5%
<b>Total</b>	<b>\$198,073.37</b>	<b>100%</b>

**WDAFS Endowment Fund**

DATE	BALANCE	GAIN/LOSS	%
31-Oct-10	\$8,953.70		
30-Nov-10	\$8,943.68	-\$10.02	-0.11%
31-Dec-10	\$9,439.53	\$495.85	5.54%
31-Jan-11	\$9,472.66	\$33.13	0.35%
28-Feb-11	\$9,677.67	\$205.01	2.16%
31-Mar-11	\$9,734.67	\$57.01	0.59%
30-Apr-11	\$10,086.91	\$352.23	3.62%
31-May-11	\$10,042.35	-\$44.56	-0.44%
30-Jun-11	\$9,911.47	-\$130.88	-1.30%
31-Jul-11	\$9,710.06	-\$201.41	-2.03%
31-Aug-11	\$9,277.61	-\$432.45	-4.45%
30-Sep-11	\$8,640.57	-\$637.04	-6.87%
31-Oct-11	\$9,362.46	\$721.89	8.35%
30-Nov-11	\$9,253.78	-\$108.68	-1.16%
<b>TOTAL GAIN</b>		<b>\$300.08</b>	<b>3.35%</b>

# SESSIONS AT A GLANCE

Start Time	Session Titles (Room)				
<b>WEDNESDAY, FEBRUARY 29</b>					
1:00 pm	<b>Plenary</b> (Williams/O'Neill)				
2:30 pm	< Break >				
3:00 pm– 5:00 pm	<b>Climate Change: Impacts on Fish and Their Habitats</b> (Williams)	<b>Beyond the Adipose Fin: Oregon's Non-game Native Species</b> (Sousa)	<b>Estimating and Managing Returns of Wild Anadromous Fish</b> (Hellman)	<b>Women in Fishery Science</b> (Bloch)	<b>From the Raceway to Gravel: Artificial Propagation</b> (O'Neill) <b>Followed by Fish Culture Committee Meeting</b>
6:00 pm	<b>Student-Mentor Mixer</b> (Vistas I)				
8:00 pm	<b>Poster Session and Vendor Exhibits Social</b> (Hellman/Williams/Lobby)				
10:00 pm	<b>Acoustic Jam Session</b> (Hellman/Williams)				
<b>THURSDAY, MARCH 1</b>					
8:00 am	<b>Connections Between Fish and Their Habitat</b> (Wilder)	<b>Beyond the Adipose Fin: Oregon's Non-game Native Species</b> (Sousa) <b>Followed by Education &amp; Outreach Com. Mtg</b>	<b>Estimating and Managing Returns of Wild Anadromous Fish</b> (Hellman)	<b>Advances in Fish Health</b> (Bloch)	<b>Innovative Methods for Fisheries Research</b> (Joplin/Seeger)
10:00 am	< Break >				
10:20 am– 12:20 pm	<b>Connections Between Fish and Their Habitat</b> (Wilder)	<b>Fish Passage and Screening</b> (Sousa)	<b>Estimating and Managing Returns of Wild Anadromous Fish</b> (Hellman) <b>Followed by Natural Production Com. Mtg</b>	<b>Spots and Slashes: Oregon's Cutthroat Trout</b> (Bloch)	<b>Home Waters: Willamette River Initiatives</b> (Joplin/Seeger)
12:30 pm	<b>Awards Luncheon</b> (no charge), <b>Professional and Scholarship Awards</b> (Williams/O'Neill)				
2:00 pm	<b>OR AFS Business Meeting</b> (Williams/O'Neill)				
2:45 pm	< Break >				
3:00 pm– 5:00 pm	<b>Aquatic Invasive Species</b> (Wilder)	<b>Fish Passage and Screening</b> (Sousa)	<b>Applied Habitat Restoration</b> (Hellman)	<b>Ocean Renewable Energy</b> (Bloch)	<b>Science and Policy</b> (Joplin/Seeger) <b>Followed by Legislative Committee Meeting</b>
4:00 pm	<b>Past Presidents Social</b> (Directors)				
5:00 pm	<b>ODFW/OSU Sponsored Mixer</b> (Lobby)				
6:00 pm	<b>Banquet Social &amp; Silent Auction</b> (Playwright's Hall)				
6:30 pm	<b>Banquet, Awards</b> (Playwright's Hall)				
8:00 pm	<b>Raffle and Auction</b> (Playwright's Hall)				
9:00 pm	<b>Texas Hold'em Fundraiser &amp; The Deb Cleveland Band</b> (Playwright's Hall)				
<b>FRIDAY, MARCH 2</b>					
8:00 am	<b>Salmonid Reintroduction and Recolonization</b> (Williams)	<b>Big Water Linkages: The Lower River, Estuary, and Marine Habitats</b> (Sousa)	<b>Applied Habitat Restoration</b> (Hellman)	<b>The Beaver's Role in Fish Restoration</b> (Bloch)	<b>Science and Policy</b> (O'Neill)
10:00 am	< Break >				
10:20 am– 12:20 pm	<b>Salmonid Reintroduction and Recolonization</b> (Williams)	<b>Big Water Linkages: The Lower River, Estuary, and Marine Habitats</b> (Sousa) <b>Followed by Marine Habitat &amp; Ecology Committee Meeting</b>	<b>Applied Habitat Restoration</b> (Hellman) <b>Followed by Freshwater Habitat Com. Meeting</b>	<b>The Beaver's Role in Fish Restoration</b> (Bloch)	<b>Implications of Wildfire on Native Fishes in the West</b> (O'Neill)

Wednesday, 2/29/12, 3:00 – 5:00 pm

	Climate Change: Impacts on Fish and Their Habitats	Beyond the Adipose Fin: Oregon's Non-Game Native Species	Estimating and Managing Returns of Wild Anadromous Fish	Women in Fishery Science	From the Raceway to Gravel: Artificial Propagation
Room	Williams	Sousa	Hellman	Bloch	O'Neill
Moderator	Matthew Sloat, OSU	Haley Ohms, OSU	Jens Lovtang, CTWS	Noëlle Yochum, OSU	Diane Deal, ODFW
3:00 pm	Effects of Climate Change on Life History Trajectories of Juvenile <i>Oncorhynchus mykiss</i> <b>Joseph Benjamin, USGS</b>	Morphological Divergence Among Threespine Stickleback ( <i>Gasterosteus aculeatus</i> ) in the Upper Deschutes River Basin, Oregon <b>Jeremiah Psiropoulos*, OSU</b>	Predicting the Run: Spring Chinook Salmon in the Deschutes River Basin <b>Jens Lovtang, CTWS</b>	Advocating for Yourself and Your Work <b>Flaxen Conway, OSU</b>	Disease Risks Associated with Hatcheries in the Willamette River System <b>Michelle Jakaitis*, OSU</b>
3:20 pm	The Paradox of Cooling Streams in a Warming World: Evaluating Temperature Trends in Minimally and Highly Human-Influenced Streams <b>Ivan Arismendi, OSU</b>	Tiny Fish in a Hot Spring: Monitoring the Status of the Endangered Borax Lake Chub, <i>Gila boraxobius</i> , in a Geothermal Lake in Southeastern Oregon <b>Paul Scheerer, ODFW</b>	A Retrospective Analysis of Run Forecasting Models for Warm Springs River Spring Chinook Salmon <b>David Hand, USFWS</b>	Yes, in Fact, Women Can Do Math <b>Selina Heppell, OSU</b>	Genetic Evidence of Vertical Transmission and Cycling of the Enteric Redmouth Disease Organism ( <i>Yersinia ruckeri</i> ) in Hatchery-Origin Fall Chinook Salmon ( <i>Oncorhynchus tshawytscha</i> ) <b>Richard Glenn, USFWS</b>
3:40 pm	Spatial Variability in Egg-Incubation Temperature Regimes on the Copper River Delta, Alaska: Implications for Understanding Likely Climate Change Impacts <b>Steve Wondzell, USFS</b>	Taxonomic, Morphometric, and Phylogenetic Analysis of Speckled Dace From Fosskett Spring and Adjacent Basins <b>Kendra Hoekzema*, OSU</b>	Chinook Harvest Management on the Deschutes River: A 40-Year Retrospective on Successful and Unsuccessful Approaches <b>Rod French, ODFW</b>	The Three R's: Respect, Relationships, and Rank <b>Laura Tesler, ODFW</b>	Born to Behave Wild? Utilizing Data on Growth, Development and Behavior of Wild Spring Chinook to Develop Rearing Strategies to Produce Artificially Reared Fish with a Wild Phenotype <b>Julia Unrein, OSU</b>
4:00 pm	Effects of Temperature and Behavioral Dominance on Maturation Reaction Norms in <i>Oncorhynchus mykiss</i> <b>Matthew Sloat*, OSU</b>	Abundance and Habitat Use of Larval Lamprey in Five Willamette River Tributaries <b>Lance Wyss, USGS</b>	Predicting Escapement of Wild Spring Chinook in the John Day River <b>Ian Tattam, ODFW</b>	Anybody Heard My Voice? I Know I Left It Around Here Somewhere ... <b>Kelly Burnett, USFS</b>	Sex Reversal Or Selection Against Hatchery Females Does Not Explain Differences in Sex Ratio Between Hatchery and Wild Steelhead, <i>Oncorhynchus mykiss</i> <b>Neil Thompson*, OSU</b>
4:20 pm	Do Thermal Refugia in the Klamath River Offer Parasite Protection for Salmonids? <b>Luciano Chiamonte*, OSU</b>	Physiological and Behavioral Diversity in the Adult Pacific Lamprey, <i>Entosphenus tridentatus</i> , During the Freshwater Spawning Migration <b>Ben Clemens, USGS</b>	Predicting Spring Chinook Returns to Northeastern Oregon: Magic or Science? <b>Joseph Feldhaus, ODFW</b>	Do women need a unique perspective before selecting a career or field within science? <b>Patricia Burke, NOAA</b>	Ecological Differences of Juvenile Steelhead Produced By Natural Origin vs. Local Hatchery Origin Adult Steelhead Spawning in a Natural Stream <b>Benjamin Kennedy, USFWS</b>
4:40 pm	Elevation Envelopes for Redband Trout and Invasive Brook Trout: Current Status and Potential Change <b>Dana Warren, OSU</b>	Behavior, Migration Timing, and Movement Patterns of Returning Adult Pacific Lamprey ( <i>Lampetra tridentata</i> ) in the Snake River Basin, ID <b>Brian McIlraith, CRITFC</b>	Post-Dam Removal Run Forecasting and Escapement Modeling for the Hood River <b>Phil Simpson, ODFW</b>	Panel Discussion	Coos Fall Chinook Monitoring and Evaluation Project <b>Gary Vonderohe, ODFW</b>
5:00 pm					<b>Fish Culture Committee Meeting</b> Ryan Couture, ODFW

See organization acronyms on Page 20

\*Student

**Abstracts**

Abstracts from the technical sessions and symposia, as well as other conference information, may be found on the ORAFS website at [www.orafs.org](http://www.orafs.org). A community copy of the abstracts will be available at the registration table.

# ORAL PRESENTATIONS

Thursday, 3/1/12, 8:00 – 10:00 am

	Connections Between Fish and Their Habitats	Beyond the Adipose Fin: Oregon's Non-Game Native Species	Estimating and Managing Returns of Wild Anadromous Fish	Advances in Fish Health	Innovative Methods for Fisheries Research
Room	Wilder	Sousa	Hellman	Bloch	Joplin / Seeger
Moderator	Kara Anlauf-Dunn, ODFW	Tim Hardin, ODFW	Jens Lovtang, CTWS	Tracey Momoda, OSU	Jason Seals, ODFW
8:00 am	The Influence of Migration Distance on Female-Biased Anadromy in Steelhead <b>Haley Ohms*, OSU</b>	Fire Marshals and Facebook Fishes: Strange and Wonderful Developments at the OSU Ichthyology Collection <b>Brian Sidlauskas, OSU</b>	Redd Counts: Census Data, Analysis, and Utility <b>Craig Tinus, ODFW</b>	Toxic Chemicals in Oregon Fish <b>Michael Mulvey, DEQ</b>	Learning Genetics and Ecology to Save Salmon <b>Judith Jensen, ES</b>
8:20 am	The Effects of Maximum Current Velocity on Optimal Behaviors of Juvenile Anadromous Salmonids in Freshwater <b>Richard Hinrichsen, HES</b>	Fishes of Oregon: Progress and a Web Page <b>Douglas Markle, OSU</b>	Are Hydrologic Triggers for Adult Coho Salmon Different at the Migration or Spawning Phase of Their Freshwater Journey? <b>Rachel LovellFord*, OSU</b>	Effects of the Aquatic Herbicide Endothall on Survival of Salmon and Steelhead Smolts During Seawater Transition <b>Ian Courter, CFS</b>	Is Less Enough? Assessing the Use of Index Redd Surveys for Estimating Escapement of Chinook Salmon in Northeast Oregon <b>Marika Dobos, ODFW</b>
8:40 am	Experimental Evidence Reveals That Instream Cover Is a Limiting Resource for Stream-Living Trout Populations <b>Brooke Penaluna*, OSU</b>	Return of the Desert Fishes <b>Troy Brandt, RDG</b>	Juvenile Coho Salmon Movement Patterns and Survival Estimates in a Coastal Basin of Southern Oregon <b>Adam Weybright, OSU</b>	Atrazine's Effect on Pacific Lamprey ( <i>Entosphenus tridentatus</i> ) Olfactory Response to Pheromones and Necromones <b>April G. Smith*, OSU</b>	Web-based, Integrated Database Systems and How They Help Large-Scale Population Management: The Ongoing Effort to Restore the Pacific Northwest Salmonids <b>Andrew Albaugh, NOAA</b>
9:00 am	Relationships between Instream Habitat and Adult Coho Salmon in Oregon Coast Streams <b>Matt Strickland, ODFW</b>	2010 Escapement Estimate of adult Pacific lamprey at Willamette Falls, Oregon <b>Cyndi Baker, CTWS</b>	Oregon Coast Coho Harvest Management and Revisions to Amendment 13 <b>Bob Buckman, ODFW</b>	Using Trophically Transmitted Parasites to Establish Links Between Pacific Salmon and Variability in Ocean Conditions <b>James Losee*, OSU</b>	Survival and Development of Hydraulically Sampled Bull Trout Eggs and Future Plans for Captive Rearing Research <b>William R. Brignon*, OSU</b>
9:20 am	Oh! What a Tangled Web We Weave: Simplifying Complex Relationships Between Salmon and Their Habitat in the Pacific Northwest <b>Seth White, CRITFC</b>	Understanding Status and Trends of Pacific Eulachon ( <i>Thaleichthys pacificus</i> ) <b>Erick Van Dyke, ODFW</b>	Managing In-basin Sport Fisheries on ESA-Listed Oregon Coast Wild Coho Salmon <b>Mike Gray, ODFW</b>	Of Prey and Proteins: Is <i>Paenibacillus thiaminolyticus</i> the Source of Thiamine Deficiency in Great Lakes Salmonines? <b>Allison Evans*, OSU</b>	Trials in Tributaries: Using Pit Arrays and Underwater Video Technology to Monitor Migratory Trout in the Klamath Basin <b>Kyle Bratcher, ODFW</b>
9:40 am – 10:00 am	Effectiveness of Lowering Pool Depth Criterion for Salmonid Snorkel Surveys in Oregon Coastal Streams <b>Ron Constable, ODFW</b>	<b>Education &amp; Outreach Committee Meeting</b> Karen Hans, ODFW	Regional Monitoring of Adult Salmon and Steelhead Escapement at the Population and Major Population Group Scales <b>Jody White, QCI</b>		Video on the Rocks: Use of a Novel Video Drop-Camera as a Fishery-Independent No-Take Tool to Survey Demersal Rockfishes ( <i>Sebastes</i> spp.) in High-Relief Nearshore Rocky Habitat <b>Ryan Easton*, OSU</b>

\*Student

## AFFILIATION ACRONYMS

BLM = Bureau of Land Management

BOR = US Bureau of Reclamation

CBS = Clearwater Bio-Studies Inc.

CC = Confluence Consulting

CCB = Cow Creek Band of Umpqua Tribe of Indians

CFS = Cramer Fish Sciences

CRITFC = Columbia River Intertribal Fish Commission

CTUIR = Confederated Tribes of the Umatilla Indian Reservation

CTWS=Confederated Tribes of Warm Springs

ESI = Earth Systems Institute

ES = Educational Solutions

FFF = Federation of Flyfishers

DEQ = Oregon Department of Environmental Quality

FBP&MP = Friends of Buford Park & Mt. Pisgah

GI = Geos Institute

GRMW = Grande Ronde Model Watershed

HES = Hinrichsen Environmental Services

HTHA = H. T. Harvey & Associates

JCWC = Johnson Creek Watershed Council

KSWC = Klamath Siskiyou Wildlands Center

LTWC = Long Tom Watershed Council

MRWC = Mary's River Watershed Council

NHC = Northwest Hydraulic Consultants

NOAA = National Oceanic and Atmospheric Administration

NPS = National Park Service

NPT = Nez Perce Tribe

NWPCC = Northwest Power and Conservation Council

NWRC = National Wildlife Research Center

ODFW = Oregon Department of Fish and Wildlife

ODOJ = Oregon Department of Justice

OHRC = Oregon Hatchery Research Center

OISC = Oregon Invasive Species Council

OSU = Oregon State University

PCT = Plum Creek Timber

PEV = Pacific Energy Ventures

PNNL = Battelle Pacific Northwest National Laboratory

PSMFC = Pacific States Marine Fisheries Commission

PSU = Portland State University

PUR = Partners of the Umpqua Rivers

QCI = Quantitative Consultants

RDG = River Design Group Inc.

RTR = Real Time Research

SBT = Shoshone-Bannock Tribes

SSWC = South Santiam Watershed Council

SURCP = South Umpqua Rural Community Partnership

TC = Trillium Consulting

TNC = The Nature Conservancy

TU = Trout Unlimited

USFS = U.S. Forest Service

USFWS = U.S. Fish and Wildlife Service

USGS = U.S. Geological Survey

WWO = WaterWatch of Oregon

YNF = Yakima Nation Fisheries

Thursday, 3/1/12, 10:20 am – 12:20 pm

	Connections Between Fish and Their Habitat	Fish Passage and Screening	Estimating and Managing Returns of Wild Anadromous Fish	Spots and Slashes: Oregon's Cutthroat Trout	Home Waters: Willamette River Initiatives
Room	Wilder	Sousa	Hellman	Bloch	Joplin / Seeger
Moderator	Kara Anlauf-Dunn, ODFW	Pete Baki, ODFW	Jens Lovtang, CTWS	Bianca Streif, USFWS	Laura Tesler, ODFW
10:20 am	Relationships Between Wood and Pools in Forested Streams of Western Montana <b>Jeff Light, PCT</b>	Calapooia River Dam Removal Projects: Design and Implementation for Fish Passage in a Bifurcated System <b>Scott Wright, RDG</b>	Yakima Basin Spring Chinook Management: Forecasting, Harvest, and Escapement <b>Bill Bosch, YNF</b>	Putting Coastal Cutthroat Trout on the Map: An Update on the Coastal Cutthroat Trout Database Project <b>Kitty Griswold, PSMFC</b>	Oregon Chub: 20 Years Later, Where Are We Now and What Have We Learned? <b>Paul Sheerer, ODFW</b>
10:40 am	Restoring Aquatic Side Channels: South Meadow Floodplain Project <b>Chris Orsinger, FBP&amp;MP</b>	Freeing the Calapooia: Lessons Learned From Community Process on Dam Removal Decision Making <b>Denise Hoffert-Hay, CC</b>	Too Many Jacks! The Ordeal of Forecasting Upriver Spring Chinook <b>Kathryn Kostow, ODFW</b>	Catchment Scale Evaluation of Headwater Cutthroat Trout Movement <b>Doug Bateman, USGS</b>	Effects of U.S. Army Corps of Engineers Willamette Projects Operations on Off-Channel Habitats Used by Oregon Chub and Other Floodplain Fishes <b>Brian Bangs, ODFW</b>
11:00 am	Large-Scale Floodplain Restoration and Development of Best Practices for Restoration and Reconnection at Former Gravel Mine Locations <b>Jason Nuckols, TNC</b>	<i>Ceratomyxa shasta</i> in the Deschutes River: The Effects of Fish Passage on Native and Stocked Salmonids <b>Matthew Stinson*, OSU</b>	Columbia River Mainstem Fishery Management Using Pre-Season Forecasts and Run Size Updates <b>Stuart Ellis, CRITFC</b>	Food Web Characteristics of an Alpine Lake in Relation to Cutthroat Trout Reintroduction <b>Mike Meeuwig, ODFW</b>	Prespawn Mortality in Spring Chinook Salmon in the Upper Willamette River: Potential Causes and Management Tactics <b>Susan Benda*, OSU</b>
11:20 am	Gravel Pits and Salmonids: Recovery, Floodplain Mining, and Restoration <b>Anne Mullan, NOAA</b>	Effects of Entrainment and Bypass at Federal Irrigation Diversions on ESA-Listed Steelhead Smolts During Emigration <b>Will Simpson, USFWS</b>	An Evaluation of the Utility of PIT Tags to Improve Forecasting and Understanding of Age at Maturity <b>Steve Haesecker, USFWS</b>	Experimental Analysis of Intra- and Interspecific Competitive Interactions Between Cutthroat Trout and Sculpins in Small Streams <b>Ben Ramirez*, OSU</b>	Seasonal Migrations of Coastal Cutthroat Trout in the Long Tom Watershed <b>Jed Kaul, LTWC</b>
11:40 am	Mining Impacts to Aquatic Habitat in Southwest Oregon <b>Richard Nawa, KSWC</b>	Hydraulic Characteristics of Constructed Fish Passage Structures <b>Joey Howard, NHC</b>	<b>Natural Production Committee Meeting</b> Jens Lovtang, CTWS	Population Responses of Cutthroat Trout and Pacific Giant Salamander to Flood Magnitude <b>Stan Gregory, OSU</b>	Growth and Migration of Juvenile Spring Chinook Salmon in the Willamette River and Major Spawning Tributaries <b>Luke Whitman, ODFW</b>
12:00 pm – 12:20 pm	Resident or Fluvial? Understanding Bull Trout Life History in the Lower Deschutes Subbasin <b>Jaym'e Schricker, CTWS</b>	Providing Fish Passage in Oregon: Difficult Problems, Difficult Solutions <b>Ken Loffink, ODFW</b>		The Agony and the Ecstasy: Sound Advice for Using Volunteers to Collect Sound Science for a Cutthroat Trout Migration Study <b>Karen Hans, ODFW</b>	Conservation and Recovery of Wild Spring Chinook in the Willamette River Basin <b>Kirk Schroeder, ODFW</b>

\*Student

## ORAL PRESENTATIONS

Thursday, 3/1/12, 3:00-5:00 pm

	Aquatic Invasive Species	Fish Passage and Screening	Applied Habitat Restoration	Ocean Renewable Energy	Science and Policy
Room	Wilder	Sousa	Hellman	Bloch	Joplin / Seeger
Moderator	Paul Heimowitz, USFWS	Pete Baki, ODFW	Eric Riley, PUR	Ken Holmoka, ODFW Doug Young, USFWS	Jeremiah Osborne-Gowey Sue Marshall, TC
3:00 pm	Economic Risk Associated with the Potential Establishment of Zebra and Quagga Mussels in the Columbia River Basin <b>William Jaeger, NWPCC</b>	Rogue River Restoration – Gold Ray Dam: Its Impact on Fish and Community Through the Years <b>Dan Van Dyke, ODFW</b>	Wolf Creek Overview: How a Strong Collaborative Partnership Paved the Way for Watershed Scale Restoration <b>Scott Lightcap, BLM</b>	The Possible Ecological Effects of Renewable Ocean Energy Development on the U.S. West Coast <b>Greg McMurray, PEV</b>	Trout Unlimited's Policy and Work on Aquatic Invasive Species in Oregon <b>Tom Wolf, TU</b>
3:20 pm	The Mystery of the Chinese Mystery Snail: A Case Study of a Non-Charismatic Aquatic Invasive Species <b>Robyn Draheim, PSU</b>	Impediments to Pacific Lamprey Spawning Migration in the Umatilla River, Oregon <b>Mary Moser, NOAA</b>	Wolf Creek Instream Restoration: The Nuts and Bolts of a Watershed Scale Restoration Project <b>Jeff McEnroe, BLM</b>	Steps to Identify, Monitor and Address Potential Environmental Effects of Marine Hydrokinetic Projects: Reedsport OPT Wave Park Case Study <b>Sharon Kramer, HTHA</b>	Recent Water Quantity and Streamflow Issues in the Oregon Legislature <b>John DeVoe, WWO</b>
3:40 pm	An Aquatic Invasive Species Management Plan for the USDA Forest Service Pacific Northwest Region <b>James Capurso, USFS</b>	Understanding the Impact of a Restored Delta in Upper Klamath Lake, Oregon, on Larval Sucker Transport Through the Use of a Hydrodynamic and Larval Transport Model <b>Charles Erdman, TNC</b>	Wolf Creek Effectiveness Monitoring: An Innovative, Collaborative Approach <b>Dan Dammann, BLM</b>	Oregon's Marine Spatial Planning Process to Address Renewable Energy Development in the Territorial Sea <b>Caren Braby, ODFW</b>	Oregon Legislative Process and Policy Update <b>Sue Marshall, TC</b>
4:00 pm	Pathway Management and Regulatory Challenges to Prevent the Transport of AIS Via Commercial Shipping Activities <b>Rian Hooff, DEQ</b>	Demographic Analysis of Adult Lost River and Shortnose Suckers in Lake Ewauna, and Use of the Link River Dam Fish Ladder, Oregon, 2008 to 2011 <b>Chas Kyger, BOR</b>	Prioritizing Watershed Restoration Actions Using Both Ecological and Socio-economic Criteria <b>Guillermo Giannico, OSU</b>	Making Waves: Engaging Coastal Communities in Wave Energy Development <b>Kaety Hildenbrand, OSU</b>	<b>Legislative Committee Meeting</b> Jeremiah Osborne-Gowey
4:20 pm	What's your priority? Considering aquatic invasive species in watershed restoration decision-making <b>Paul Heimowitz, USFWS</b>	Hydroacoustic Evaluation of Juvenile Salmonid Passage at Detroit Dam, 2011 <b>Ida Royer, PNNL</b>	Upper Grande Ronde River Mine Tailings Restoration Project <b>Joe Platz, USFS</b>	Benthic Monitoring for Offshore Renewable Energy <b>Sarah Henkel, OSU</b>	
4:40 pm – 5:00 pm	Problem-Solving Through Collaboration: Case Studies Using Art, Logic, and Negotiation <b>Lisa DeBruyckere, OISC</b>	Oregon Fish Screen Program <b>Pete Baki, ODFW</b>	The Johnson Creek - Willamette River Confluence Salmon Habitat Enhancement Project <b>Robin Jenkinson, JCWC</b>	Wave Energy Development and Gray Whales in Oregon: Potential Risk and Mitigation <b>Barbara Lagerquist, OSU</b>	

\*Student

Friday, 3/2/12, 8:00-10:00 am

	Salmonid Reintroduction and Recolonization	Big Water Linkages: The Lower River, Estuary, and Marine Habitats	Applied Habitat Restoration	The Beaver's Role in Fish Restoration	Science and Policy
Room	Williams	Sousa	Hellman	Bloch	O'Neill
Moderator	Peter Galbreath, CRITFC	Scott Heppell, OSU	Eric Riley, PUR	Charlie Corrarino, ODFW	Jeremiah Osborne-Gowey Sue Marshall, TC
8:00 am	Reintroduction of Anadromous Salmonids: Session Introduction <b>Peter Galbreath, CRITFC</b>	Oregon Coast Aquatic and Marine Partnership <b>Joseph O'Neil, ODFW</b>	Wallowa River/6-Ranch Habitat Restoration <b>Coby Menton, GRMW</b>	Beaver Relocation into Unoccupied Habitat of Southwest Oregon <b>DeWaine Jackson, ODFW</b>	Oregon's Hatchery Accountability Project <b>Jim Myron</b>
8:20 am	Spring Chinook salmon in the Sandy River after the removal of Marmot Dam <b>Kirk Schroeder, ODFW</b>	White Sturgeon: What We Know and Why We Think We Know It <b>Ruth Farr, ODFW</b>	Cow Creek Tribe Restores Jordan Creek with Partners <b>Amy Amoroso, CCB</b>	Guidelines for Relocation of Beavers in Oregon: Protocols for "Pre-Owned" Beavers <b>Tim Hiller, ODFW</b>	Tribal Perspectives on Climate Change <b>Paul Lumley, CRITFC</b>
8:40 am	Cooperative Science for Planning Salmonid Recolonization in the White Salmon River Following the Removal of Condit Dam <b>Brady Allen, USGS</b>	Status of white sturgeon in the Columbia River Basin downstream of Bonneville Dam: The moral of the story is, DON'T PANIC <b>Tucker Jones, ODFW</b>	Off-Channel Wetland Complex, Weaving Salmon into Wetland Restoration <b>Joseph Sheahan, ODFW</b>	Managing Beavers To Improve Overwinter Habitat for Juvenile Coho Salmon <b>Kim Jones, ODFW</b>	Setting Wise Policies for the Climate of Tomorrow <b>Brian Barr, GI</b>
9:00 am	Hands-on Approach to Anadromous Fish Reintroduction in the Deschutes River Basin <b>Michael Gauvin, ODFW</b>	Seasonal and Interannual Variation in Juvenile Salmonids and Associated Fish Assemblage in Open Waters of the Lower Columbia River Estuary <b>Laurie Weitkamp, NOAA</b>	Tidal Marsh Restoration on Bandon Marsh National Wildlife Refuge <b>Roy Lowe, USFWS</b>	Landowner Tolerances and Incentives for Managing Beaver Impacts in Oregon <b>Mark Needham, OSU</b>	The Attorney General's Environmental Crime Enforcement Initiative <b>Paul Garrahan, ODOJ</b>
9:20 am	Removal of Four Dams on the Klamath River: What if It Happens? <b>Charles Huntington, CBS</b>	Timing and Distribution Of Naturally Produced Coho Salmon in the Lower Columbia River <b>Erick Van Dyke, ODFW</b>	Seeking the Magnitude of Net Benefit for Anadromous Fishes From Oregon's Largest Estuary Restoration Project <b>Christopher Claire, ODFW</b>	Landowner Tolerances and Incentives for Managing Beaver Impacts in Oregon (continued) <b>Mark Needham, OSU</b>	Integrating Science and Policy: Should Science "Drive" Decision-Making? <b>Steve Parker, YNF</b>
9:40 am – 10:00 am	Colonization of Coho Salmon Above Natural Barrier Falls in Oregon: A History of Supplementation and the Expansion of Coho Salmon Range Above Willamette Falls <b>Todd Alsbury, ODFW</b>	Predicting the Success of Marine Species From Ocean Conditions <b>Sylvia Yamada, OSU</b>	Habitat Restoration in Bedrock Dominated System <b>Daniel Jenkins, ODFW</b>	South Umpqua Elk Creek Salmon Restoration Project, Beavers, Restoring Salmon Habitat Stimulating Rural Community Economics <b>Leonard Houston, SURCP</b>	Ripstream: An Example of Successful Adaptive Management <b>Sherri Johnson, USFS</b>

## ORAL PRESENTATIONS

Friday, 3/2/12, 10:20 am – 12:20 pm

	Salmonid Reintroduction and Recolonization	Big Water Linkages: The Lower River, Estuary, and Marine Habitats	Applied Habitat Restoration	The Beaver's Role in Fish Restoration	Implications of Wildfire on Native Fishes in the West
Room	Williams	Sousa	Hellman	Bloch	O'Neill
Moderator	Peter Galbraeth, CRITFC	Scott Heppell, OSU	Eric Riley, PUR	Charlie Corrarino, ODFW	Rebecca Flitcroft, USFS
10:20 am	Chum Salmon Broodstock Development and Prospective Reintroduction Strategies on the Oregon Side of the Lower Columbia River <b>Kristen Homel, ODFW</b>	Early Marine Residence of upper Columbia River Summer/Fall Chinook Salmon ( <i>Oncorhynchus tshawytscha</i> ): Disentangling Bottom-up and Top-down Influences <b>Jessica Miller, OSU</b>	The Floodplain Food Web Mosaic: A Study of Its Importance To Pacific Salmon and Steelhead with Implications for Their Restoration <b>Ryan Bellmore, USGS</b>	Understanding Beavers in the Beaver State <b>Jimmy Taylor, NWRC</b>	Fire Management and Native Fishes: Past, Present and Future <b>Rebecca Flitcroft, USFS</b>
10:40 am	Coho Reintroduction in the Yakima Basin <b>Dave Fast, YNF</b>	Locating Mitigation For Portland Harbor Impacted Salmonids <b>David Gorman, AECOM</b>	Putting the Kinks Back in Little Butte Creek <b>Brian R. Barr, GI</b>	Results of a Long-Term Study Using Beaver to Restore Degraded Stream Habitat Important to Steelhead <b>Michael Pollock, NOAA</b>	NetMap's Integration Within Post-Fire Planning (BAER) Using a Web Browser <b>Lee Benda, ESI</b>
11:00 am	Coho Reintroduction in the Wenatchee and Methow Basins: Using a Phased Approach to Re-establish Extirpated Populations <b>Cory Kamphaus, YNF</b>	<b>Marine Habitat &amp; Ecology Committee Meeting</b> Scott Heppell, OSU	McDowell Creek Habitat Restoration Case Study <b>Eric Andersen, SSWC</b>	Partnering with Beaver to Restore Incised Streams in the Interior Columbia River Basin <b>Chris Jordan, NOAA</b>	NetMap's Use in Pre-Fire Planning <b>Daniel Miller, ESI</b>
11:20 am	Hood River Spring Chinook: Results and Lessons from 20 Years of Reintroduction <b>Ryan Gerstenberger, CTWS</b>		<b>Freshwater Habitat Committee Meeting</b> Ian Reid, USFS	Beaver Management in the John Day Basin <b>Greg Jackle, ODFW</b>	Predicting Post-Fire Stream Temperature in the Wenatchee River Basin, Washington <b>Kristina McNyset, OSU</b>
11:40 am	Spring Chinook Reintroduction Into the Walla Walla River Basin <b>Brian Mahoney, CTUIR</b>			Panel Discussion	Population Vulnerability of Bull Trout ( <i>Salvelinus confluentus</i> ) in the Wenatchee River Basin, Washington <b>Jeffrey Falke, OSU</b>
12:00 pm – 12:20 pm	Getting Past the Dam – A Genetic Pedigree Study of Reproductive Success in Hatchery Spring Chinook Outplanted Above Cougar Dam <b>Jen Britt, OSU</b>				Science Communication Networks: The Case of Fish and Fire <b>Ken Vance-Borland, OSU</b>

## Poster Session

### SETUP

Noon – 7:30 PM  
Wednesday, February 29

Boards will be provided and names of poster authors will be indicated on each board. Authors are responsible for their own hanging hardware.

### DISPLAY HOURS

8:00 PM – Midnight • Wednesday, February 29

8:00 AM – 6:00 PM • Thursday, March 1

8:00 AM – 10:20 AM • Friday, March 2

### POSTER SOCIAL

8:00 PM – Midnight  
Wednesday, February 29

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

### TAKEDOWN

10:20 AM – 12:20 PM • Friday, March 2

Unless alternative arrangements are made in advance, any materials left after 12:30 p.m. on Friday will be discarded.

Don't miss the  
Vendor Exhibits!

## Williams / Hellman

Brook Silver USFWS	1	9	Steve Boe CTUIR
Michael Heck USGS	2	10	Briita Orwick* USFWS
Brock Phillips BOR	3	11	Dave Hering NPS
Justin Huff* OSU	4	12	Jason Dunham USGS

Matt Sheoships CTUIR	17	25	Xanthippe Augerot MRWC
Craig Contor CTUIR	18	26	David Leer USGS
Cory Kamphaus YNF	19	27	Eric Anderson SSWC
Peter Galbreath CRITFC	20	28	Steve Clark* USGS

Kristen Kirkby* OSU	5	13	Christy Fellas* OSU
Jack Landers* OSU	6	14	Kelly Reis ODFW
Kirk Haskett ODFW	7	15	Dave Thomas FFF
Nikolas Zymonas ODFW	8	16	Jeff Ziller ODFW

Ian Wilson NPT	21	29	Brian Poxon ODFW
Hayley Oates ODFW	22	30	James Latshaw ODFW
Sierra Lewis* OSU	23	31	Rebecca Seyferth ODFW
Leif Rinearson ODFW	24	32	Jessica Ramsay* OSU

Lytle Denny SBT	33	35	Brock Moss SBT
Carlos Lopez SBT	34	36	Kurt Tardy SBT

## POSTER SESSION

	Title	Author, Organization
1	Embryo viability and fry growth from coho salmon subjected to electronarcosis	Brook Silver, USFWS
2	Why Tickle When You Can Shock? A Comparison of Electrofishing Techniques for Larval Lamprey	Michael Heck, USGS
3	Development of a Power Transfer Curve and Evaluation of Electrofishing Injury in Endangered, Juvenile Suckers in the Klamath Basin	Brock Phillips, BOR
4	Identification Guide for Larval Cyprinids and Catostomids in Upper Klamath Lake	Justin Huff*, OSU
5	Complex Habitat Availability and Seasonal Salmonid Distribution Around Debris-Flow Deposits in the Oregon Coast Range	Kristen Kirkby*, OSU
6	Effects of an Altered Riparian Forest on Log Jams in Two Oregon Coastal Streams	Jack Landers*, OSU
7	If You Build It ... Will They Come? Secondary Channel Manipulation and Creation for Over-Wintering Juvenile Salmonids: Effectiveness Monitoring of Harrington Creek, a Tributary of Rock Creek Sub-Basin & North Umpqua Basin	Kirk Haskett, ODFW
8	Timing, Size Structure, Mortality, and Influence of Dam Operations and Environmental Conditions on Downstream Passage of Juvenile Chinook Salmon at Cougar Dam, S. Fork McKenzie River in 2002–2010	Nikolas Zymonas, ODFW
9	Reintroduction of Spring Chinook Salmon into Lookingglass Creek, Oregon	Steve Boe, CTUIR
10	Which Exotic Species Matter Most to Society? A Case Study of the Magnificent Bryozoan	Briita Orwick*, USFWS
11	Home Range of Individual Headwater-Resident Bull Trout in Sun Creek, Crater Lake National Park	Dave Hering, NPS
12	Thermal Regimes and the Distribution and Abundance of Native Bull Trout and Nonnative Brook Trout Prior to Dam Removal in the Elwha River	Jason Dunham, USGS
13	What Do Stakeholders Know About Salmon and Steelhead Recovery in the Upper Willamette River?	Christy Fellas*, OSU
14	Upper McKenzie River Trout Creel Survey: Are You Going to Keep That?	Kelly Reis, ODFW
15	Lower McKenzie River Trout Population Study: Citizen Science on the River	Dave Thomas, FFF
16	McKenzie River Angler Preference Survey Results: Have Opinions Changed in the Past 25 Years?	Jeff Ziller, ODFW
17	Reintroduction of Spring Chinook into the Walla Walla River	Matt Sheoships, CTUIR
18	Reintroduction of Spring Chinook into the Umatilla River, Oregon	Craig Contor, CTUIR
19	Coho Reintroduction in the Upper Columbia: A Unique Approach to Reintroduction	Cory Kamphaus, YNF
20	Reproductive Success of Reintroduced Spring-Run Chinook Salmon in the Hood River, Oregon	Peter Galbreath, CRITFC
21	Lostine River Adult Strays and Mini-Jacks from Early and Late Lostine River Spring Smolt Releases (2003 to 2010)	Ian Wilson, NPT
22	Home Sweet Home: Straying Patterns of Chinook Salmon in the Minam and Wenaha Rivers of NE Oregon	Hayley Oates, ODFW
23	Restoring Anadromy: Differences Between Telemetry & Stable Isotope Deposition When Identifying Historic Salmonid Habitat in the Pacific Northwest	Sierra Lewis*, OSU
24	Dorsal Fin Rating System Used to Identify Origin of Hatchery Summer Steelhead Without Adipose Fin Clips in Eastside Tributaries of the Deschutes River	Leif Rinearson, ODFW
25	Damn those Beaver Dams! Overcoming Beaver Aversion through Education and Outreach	Xanthippe Augerot, MRWC
26	Catching Cottids: Night or Day—Which Is the One?	David Leer, USGS
27	Project Effectiveness Monitoring: North & South Santiam and Calapooia River Basins	Eric Anderson, SSWC
28	Spawning Habitat Selection by Coho Salmon ( <i>Oncorhynchus kisutch</i> ) in Response to Large Wood Restoration in Little Wolf Creek, Oregon	Steve Clark*, USGS
29	Investigations into the Trapping Efficiency of a Rotary Screw Trap Deployed in Fifteenmile Creek, Wasco County, Oregon	Brian Poxon, ODFW
30	Is the Big One Harder to Catch ... Twice? Recapture Efficiency Along the Size Distribution of <i>Oncorhynchus mykiss</i> Using Rotary Screw Traps	James Latshaw, ODFW
31	Survival of Wild Steelhead Smolts from the John Day River	Rebecca Seyferth, ODFW
32	Dungeness crab production: An ecosystem service provided by <i>Ostrea lurida</i> and <i>Crassostrea gigas</i> in Willapa Bay, Washington	Jessica Ramsay*, OSU
33	Last of the Best: Results from Monitoring a Wild Chinook Salmon Populations in the Middle Fork Salmon River	Lytle Denny, SBT
34	Implementation of a Reintroduction Strategy for Chinook Salmon in the Yankee Fork Salmon River	Carlos Lopez, SBT
35	Approach for Monitoring and Evaluating a Widely Dispersed Tribal Chinook Salmon Fishery in the Salmon River Basin	Brock Moss, SBT
36	Where Did These Fish Come From? Genetic Structure and Origin of Chinook Salmon in Panther Creek, Idaho	Kurt Tardy, SBT

See organization acronyms on Page 20

\*Student



# EVALUATION FORM

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10. The Raffle and Auction were:                      Poor                      Fair                      Good                      Excellent

Comments:

11. The social events were:                      Poor                      Fair                      Good                      Excellent

Comments:

12. Texas Hold'em Card Game was:                      Poor                      Fair                      Good                      Excellent

Comments:

13. The Piscatorial Press (newsletter) is:                      Poor                      Fair                      Good                      Excellent

Comments:

14. What did you like best about the 2012 Oregon Chapter Annual Meeting?

15. What did you dislike most about the 2012 Oregon Chapter Annual Meeting?

16. Would you be interested in running for an Oregon Chapter AFS Executive Committee Office, or serving as a Committee Chair or on a Committee? If yes, please provide the following:

NAME \_\_\_\_\_

PHONE \_\_\_\_\_

E-MAIL \_\_\_\_\_

OFFICER POSITION / COMMITTEE OF INTEREST \_\_\_\_\_

Additional Comments?

# SAVE THE DATE!

## ORAFS ANNUAL MEETING 2013



**Cover art contest runner-up – Mike Gauvin (ODFW)** Mike writes: “Newly outplanted spring chinook fry attempt to weave into their new surroundings in Alder Springs, a tributary to Whychus Creek in the Deschutes River Basin. These

fish are part of the ongoing reintroduction program in the Deschutes River to restore native populations of chinook salmon, summer steelhead, and sockeye to their historic range above Pelton Round Butte Dam.”

TUESDAY, FEBRUARY 19 TO FRIDAY, FEBRUARY 22, 2013

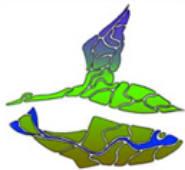
RIVERHOUSE • BEND, OR

# 2012 Oregon Chapter AMERICAN FISHERIES SOCIETY Annual Meeting

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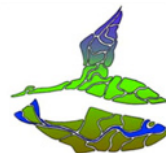
*Let's turn the answers on.*



OSU Department of Fisheries & Wildlife



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