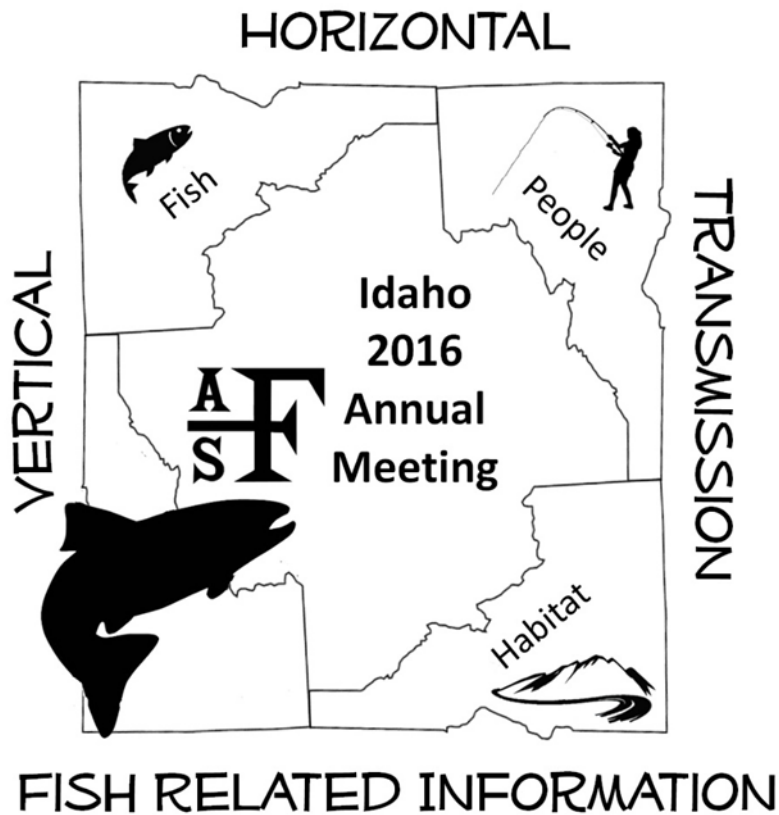


Horizontal and Vertical Transmission of Fish Related Information



Program

**IDAHO CHAPTER
American Fisheries Society
2016 Annual Meeting
Coeur d' Alene, Idaho
March 6 -10, 2016**



American Fisheries Society



Idaho Chapter

OUR MISSION

IMPROVE THE CONSERVATION AND
SUSTAINABILITY OF FISHERY
RESOURCES AND AQUATIC
ECOSYSTEMS BY:

- 1) ADVANCING FISHERIES AND
AQUATIC SCIENCE
- 2) PROMOTING THE DEVELOPMENT
OF FISHERIES PROFESSIONALS

Thanks to Our Meeting Sponsors!

Sturgeon Sponsorship \$1000

Biomark

Kootenai Tribe of Idaho

Oregon RFID

Chinook Sponsorship \$500

Avista Corp

Smith-Root, Inc.

HDR Engineering

FCA Farmer Screens

Idaho Power Inc.

EcoAnalysts Inc.

Forsgren Associates, Inc.

OTT Hydromet Systems

Cabela's - Post Falls

Intermountain Aquatics

Upper Snake River Tribes

BioSonics/Lotek

Idaho Department of Fish and Game

U.S. Forest Service N. Region

Bull Trout Sponsorship \$350

WHOOSHH Innovations/Fish Transport System

Cutthroat Trout Sponsorship \$200

Biota Research & Consulting, Inc.

Nez Perce Tribe

Lost River Fish Ecology, Inc.

Floy Tag & Mfg., Inc.

River Design Group

Sportsmen's Warehouse

Western Chemical

Brockman's Custom Framing & Art Supplies

Frigid Units

Idaho Council of Trout Unlimited

Owyhee Air Research Inc.

Henry's Fork Foundation

Skretting

Hyrdolox

Sturgeon Sponsorship \$1000



Chinook Sponsorship \$500



Bull Trout Sponsorship \$350



Cutthroat Trout Sponsorship \$200



research & consulting inc.

Biota

P.O. Box 8578, 140 East Broadway
Jackson Hole, Wyoming 83002-8578
Phone: 307-733-4216 • Fax: 307-733-1245



Idaho Council of Trout Unlimited
Conserving, protecting, and restoring Idaho's coldwater fisheries and watersheds.



ICAFS EXCOM AND COMMITTEE CHAIRS



EXECUTIVE COMMITTEE

President	Jim Chandler	208-388-2974	jchandler@idahopower.com
President-Elect	Jay Hesse	208-621-3552	jayh@nezperce.org
Vice President	Helen Neville	208-345-9800	neville@tu.org
Past President	Tom Curet	208-756-2271	tom.curet@idfg.idaho.gov
Treasurer	Steve Anglea	208-850-1080	steve.anglea@biomark.com
Secretary	Kevin Meyer	208-465-8404, ext. 227	kevin.meyer@idfg.idaho.gov
Nominations Chair	Bryan Grant	208-236-1256	bryan.grant@idfg.idaho.gov
Palouse Subunit President	Phil Branigan	208-892-9011	bran4826@vandals.uidaho.edu
Portneuf Subunit President	James Paris	208-727-1575	parijame@isu.edu

COMMITTEE CHAIRS

Anadromous Fish	Matt Belnap	208-569-1283	matt.belnap@idfg.idaho.gov
	Mike Edmondson	208-332-1551	mike.edmondson@osc.idaho.gov
	Bill Young	208-634-5290	billy@nezperce.org
Aquaculture	Laura Sprague	208-476-5738	laura_sprague@fws.gov
	Jamie Mitchell	208-788-2847	jamie.mitchell@idfg.idaho.gov
	Ken Cain	208-885-7608	kcain@uidaho.edu
Aquatic Habitat	Jeanne McFall	208-287-2792	jeanne.mcfall@idfg.idaho.gov
Continuing Education	Matt Corsi	208-769-1414	matthew.corsi@idfg.idaho.gov
Fund Raising	Chad Chorney	208-420-4096	CChorney@tu.org
	Ryan Banks	208-791-3014	ryan.banks@idfg.idaho.gov
Mentoring	Jessica Buelow	208-690-1604	jessica.buelow@idfg.idaho.gov
	Lance Hebdon	208-287-2711	lance.hebdon@idfg.idaho.gov
Membership	Dona Horan	208-373-4399	dhoran@fs.fed.us
Native Fish	Dan Dauwalter	208-345-9800	DDauwalter@tu.org
Public Education	Lauri Monnot	208-373-0203	scholarships@idahoafs.org

Schedule At A Glance

Sunday, March 6th

6:00pm - 9:00pm Meeting and workshop registration

Monday, March 7th

7:00am - 7:00pm Meeting and workshop registration
 2:00pm - 6:00pm AV table open
 8:30am - 5:00pm Workshop: Get It Published
 7:45am - 5:00pm Aquaculture Continuing Education: Kootenai Tribal Fisheries Facilities Tours
 11:00am - 5:00pm Workshop: Monitoring and Adaptive Management Planning for Habitat Restoration
 1:00pm - 6:00pm Vendor / poster setup
 3:00pm - 5:00pm ExCom meeting
 5:00pm - 6:00pm Volunteer meeting
 6:00pm - 9:00pm Welcome social

Tuesday, March 8th

7:00am - 6:00pm Meeting registration
 7:00am - 4:00pm AV table open
 8:00am - 9:00am Morning poster session and continental breakfast
 8:00am - 4:00pm Vendor and poster displays
 9:30am - 12:00pm Welcome and plenary session
 12:00pm - 1:30pm Committee meetings
 1:30pm - 4:00pm Contributed presentations
 4:30pm Spawning run/walk
 6:00pm - 9:00pm Student/professional mixer - beer and pizza feed

Wednesday, March 9th

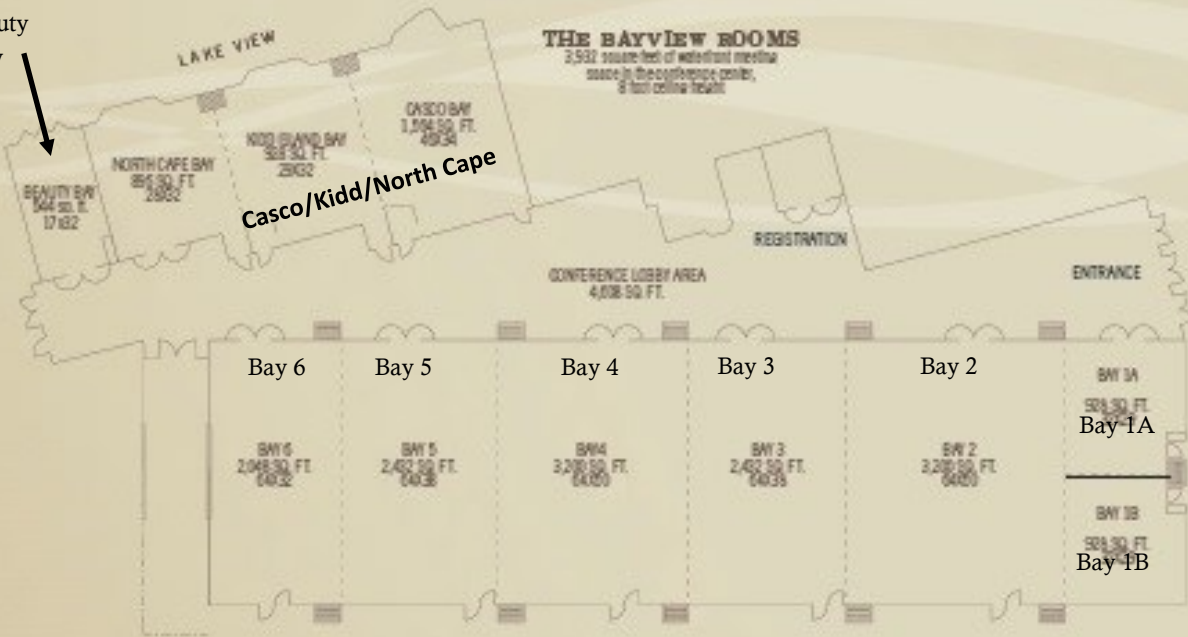
6:30am - 7:30am Christian fellowship no host breakfast (non-ICAFS sponsored event)
 7:00am - 8:00am Continental breakfast
 7:00am - 6:00pm Meeting registration
 7:00am - 4:00pm AV table open
 7:00am - 5:00pm Vendor and poster displays
 8:00am - 12:00pm Contributed presentations
 12:00pm - 2:10pm Business meeting and luncheon
 2:10pm - 5:00pm Idaho supplementation symposium
 5:00pm - 6:00pm Evening poster session
 6:00pm - 11:00pm Banquet and fund raiser/auction

Thursday, March 10th

7:00am - 8:00am Continental breakfast
 7:00am - 12:00pm Meeting registration
 7:00am - 9:00am AV table open
 8:00am - 9:50am Contributed presentations
 8:00am - 11:00am Idaho supplementation symposium
 11:00am - 11:30am Best paper awards and closing remarks
 12:00pm - 2:00pm ExCom post meeting wrap-up

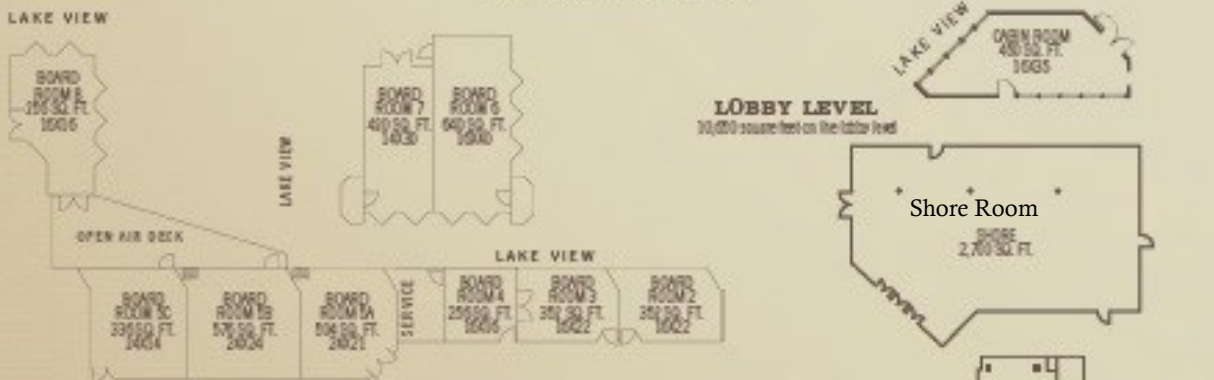
Layout of Conference Center

Beauty Bay



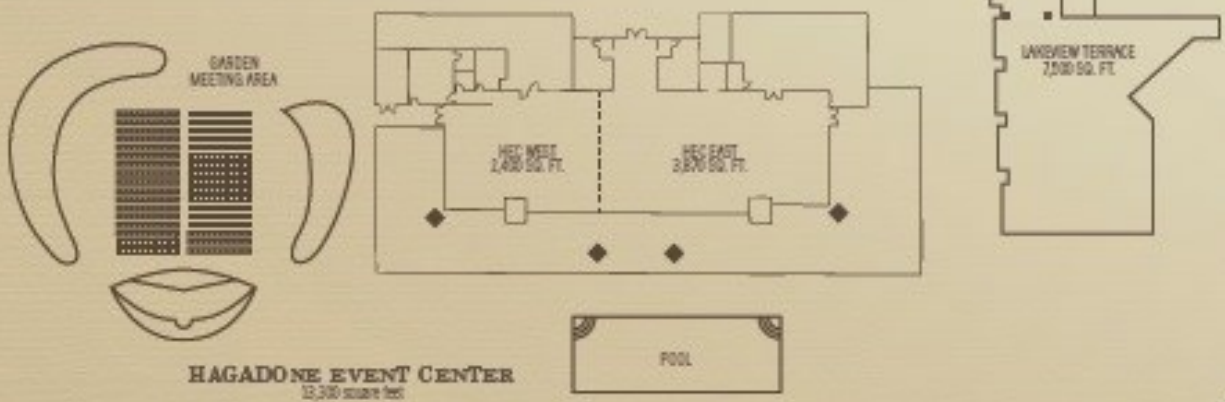
THE CONFERENCE CENTER BAYS

75,108 square feet in the conference center, 18 foot ceiling height
846,000 total event dimensions (16' x 0' base)



THE SEVENTH FLOOR BOARDROOMS

3,652 square feet overlooking Lake Couch of Alene



HAGADONE EVENT CENTER

12,300 square feet

Monday, March 7th - Workshops

7:00am - 7:00pm	Meeting and workshop registration	C.C. Registration Table
8:30am - 5:00pm	Workshop: Get It Published (box lunch provided)	Bay 6
7:45am - 5:00pm	Aquaculture Continuing Education: Kootenai Tribal Fisheries Facilities Tours (no-host lunch stop during tour)	Meet in Conference Center Lobby
11:00am - 5:00pm	Workshop: Monitoring and Adaptive Management Planning for Habitat Restoration (box lunch provided)	Bay 5
1:00pm - 6:00pm	Vendor / poster setup	Casco/Kidd/North Cape
2:00pm - 6:00pm	AV Table Open	Registration Table
3:00pm - 5:00pm	ExCom meeting	Bays 1A/B
5:00pm - 6:00pm	Volunteer meeting	Bays 1A/B
6:00pm - 9:00pm	Welcome social	Casco/Kidd/North Cape

Tuesday, March 8th

7:00am – 6:00pm	Meeting Registration	C.C. Registration Table
7:00am - 4:00pm	AV Table Open	C.C. Registration Table
8:00am - 9:00am	Morning Poster Session and Continental Breakfast	Casco/Kidd/North Cape
8:00am - 4:00pm	Vendor and Poster Displays	Casco/Kidd/North Cape
	Plenary Session Vertical and Horizontal Transmission of Fish Related Information	Bays 5 & 6
9:30am - 9:50pm	Opening Remarks and Presidential Message Jim Chandler ICAFS President	
9:50am - 10:00am	Plenary Introduction Jay Hesse ICAFS President Elect	
10:00am - 10:30am	Morgan Case Idaho Department of Water Resources Open Channels: The Flow of Information around Water Issues	
10:30am - 11:00am	Julie Collins U.S. Fish and Wildlife Service Lower Snake River Compensation Program Horizontal and Vertical Communications from a Regional and Field Office Perspective	
11:00am - 11:30am	Sharon Kiefer Idaho Department of Fish and Game Let's Get Vertical: A Time to be on the Balcony and a Time to Dance	
11:30am - 12:00pm	Jesse Trushenski American Fisheries Society 2nd Vice President Making Ideas Infectious: Thoughts on Communicating Fisheries Information	
12:00pm - 1:30pm	Committee meetings (boxed lunches provided)	
	Anadromous Fish	The Shore Room
	Aquaculture	Bay 6
	Mentoring	Beauty Bay
	Native Fish	Bay 1B
	Public Education	Bays 1A
	Aquatic Habitat	Bay 5

Call to Action: Achieving the ICAFS Mission includes action by our members during and after our annual meeting time. Most ICAFS member involvement in our Chapter is associated with committee activities. The committee breakout sessions are a great way to build relationships, explore opportunities, and develop leadership skills. Grab a boxed lunch and help establish the 2016 ICAFS Committees In Action game plan by participating in one the committee breakout meetings listed above.

Tuesday, March 8th (continued)

Contributed Presentations

Adaptive Management Session

Bays 5 & 6

1:30pm-1:40pm

Introduction

Moderator: Kajsa Vanderiet

1:40pm-2:00pm

Modeling Bull Trout and Brook Trout Coexistence: A Structured Decision Approach

Kevin N. McDonnell

Oregon State University

2:00pm-2:20pm

A Developmental Template to Characterize Recruitment Failure of Endangered Kootenai River White Sturgeon, with Application to Other Sturgeon Populations

Paul Anders

Cramer Fish Sciences, UI

2:20pm-2:40pm

Evaluation of factors influencing return-to-creel of hatchery catchable-sized trout stocked in Idaho lentic waters

John Cassinelli

Idaho Fish and Game

2:40pm-3:00pm

Break Sponsored By:

Biomark



Casco/Kidd/North Cape

3:00pm-3:20pm

Impacts of High Discharge from Island Park Reservoir on Downstream Temperature, Turbidity, and Dissolved Oxygen

Melissa Muradian

Henry's Fork Foundation

3:20pm-3:40pm

Investigation of factors limiting Yellowstone cutthroat trout in the Snake River floodplain using food web approaches

James Paris

Idaho State University

3:40pm-4:00pm

Of fire, food, and fish: fish productivity responses to wildfire

Matt Schenk

Idaho State University

4:30pm

Spawning run/walk (see next page for details)

6:00pm - 9:00pm

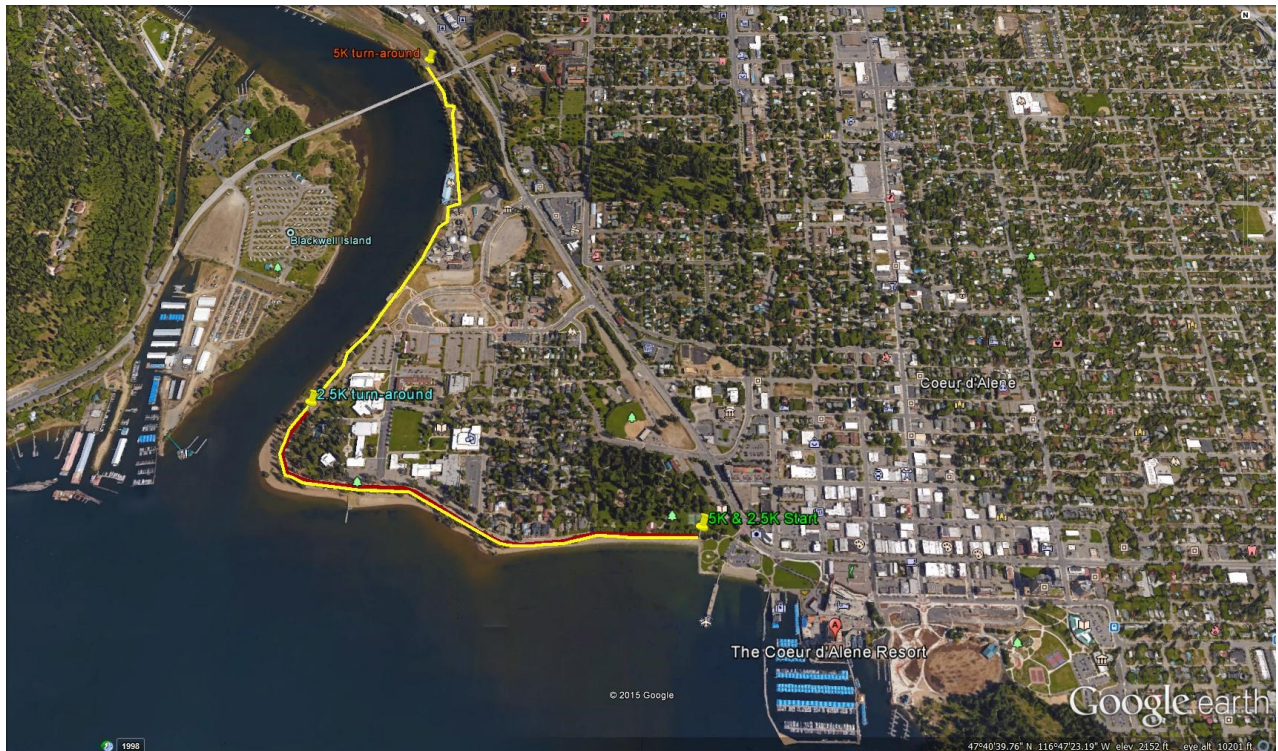
Student/professional mixer - beer and pizza feed

Bays 5 & 6

Spawning Run/Walk

Get out and stretch your legs with 5K and 2.5K Options.

Route follows the Centennial Trail.
Gather by swim beach/city park in front of Resort for 4:30 start.



Wednesday, March 9th - Concurrent Sessions

6:30am – 7:30am	Christian Fellowship No Host Breakfast (non-ICAFS sponsored event)	Shore Room
7:00am - 8:00am	Continental Breakfast	Casco/Kidd/North Cape
7:00am – 6:00pm	Meeting registration	C.C. Registration Table
7:00am - 4:00pm	AV Table Open	C.C. Registration Table
7:00am - 6:00pm	Vendor and Poster Displays	Casco/Kidd/North Cape

Contributed Presentations

Room	Habitat and Fish Restoration Session Bay 5	Modeling and Monitoring Session Bay 6
8:00am-8:10am	Introduction Moderator: Lauren Stocker	Introduction Moderator: Marika Dobos
8:10am-8:30am	The Mill Creek A to Z Project: An Experimental Approach to Watershed Restoration on Federal Lands Mark Teply Cramer Fish Sciences	Using what you got: implementing Bayesian models to obtain useful information from poor rotary screw trap data Bryce Oldemeyer Idaho Department of Fish and Game
8:30am-8:50am	Developing a Restoration Strategy for a Highly Degraded Valley Bottom, Crooked River, Idaho Jenifer Harris Nez Perce Tribe	A mixed-effect model examining the spatial correlation of Chinook salmon abundance estimators for 31 populations in the Interior Columbia Basin Brandon Chasco Nez Perce Tribe/Oregon State University
8:50am-9:10am	Restoring Fish Habitat in Newsome Creek Using an Adaptive Management Strategy Stephanie Bransford Nez Perce Tribe	Improving estimates of steelhead natural production in Idaho: a hierarchical modeling approach Elizabeth Ng University of Idaho
9:10am-9:30am	Putting it Back Together Again: Reconnecting the headwaters of the Salmon River Windy Davis Idaho Department of Fish and Game	Using Field Observations and Remote-Sensing Imagery to Predict Stream Desiccation Daniel Dauwalter Trout Unlimited
9:30am-9:50am	Collette mine restoration and dredge pond removal: reversing the decline of steelhead and the destruction of a local biodiverse hot spot Marcie Carter Nez Perce Tribe	New Fish Passage Technology: Two Years of Progress Tom Shearer Whooshh Innovations

9:50am-10:20am

Break Sponsored by:

Oregon RFID



Wednesday, March 9th - (continued)

Contributed Presentations

Moderator	Habitat and Fish Restoration Session	Modeling and Monitoring Session
Room	Stephanie Hallock	Jody Brostrum
	Bay 5	Bay 6
10:20am-10:40am	A Summary of Timber Harvest, Conservation Efforts, and Bull Trout Population Structure and Distribution in the Upper Reaches of Hornet Creek Located in Central Idaho Chris Tretter Idaho Department of Lands	The occurrence, type, and passage and ingestions time of fishing tackle identified in the digestive systems of White Sturgeon using metal detectors and x-ray Tony Lamansky Idaho Department of Fish and Game
10:40am-11:00am	Microhabitat Associations of Native Fishes in Rehabilitated Reaches of the Kootenai River, Idaho Phil Branigan University of Idaho	Development and Simulated Use of a YY Male Brook Trout Broodstock for Potential Eradication of Undesired Brook Trout Populations Dan Shill Idaho Department of Fish and Game
11:00am-11:20am	The First Year of Burbot Production at a New Kootenai Tribe of Idaho Fish Hatchery Nathan Jensen Kootenai Tribe of Idaho	Evaluating the Post-stocking Survival and Reproductive Success of YY Male Brook Trout Patrick Kennedy Idaho Department of Fish and Game
11:20am-11:40am	Kootenai River Burbot Release Strategy Employed During 2015 Shawn Young Kootenai Tribe of Idaho	Movement and fate of recycled hatchery-origin summer steelhead in the Willamette River, Oregon Charles Erdman University of Idaho
11:40am-12:00pm	Habitat Use of Juvenile Burbot and Other Fishes in a Tributary of the Kootenai River Zach Beard University of Idaho	Adaptive Management and the Nez Perce Tribal Hatchery Spring Chinook Salmon Supplementation Program Michael Kosinski Nez Perce Tribe

12:00pm-2:10pm

Business Meeting and Luncheon - Bays 2 & 3

Vice President Candidates

Dan Schill

Lee Mabey

Secretary/Treasurer Candidates

Carson Watkins

Dan Dauwalter

Nominations Chair Candidates

Laura Sprague

Eric Pankau

Wednesday, March 9th - (continued)

Symposium: A Commemoration of the Idaho Supplementation Studies

Room

Bays 5 & 6

2:10pm-2:20pm

Introduction

Tim Copeland

Idaho Department of Fish and Game

2:20pm-2:40pm

ISS: Genesis of a remarkable commitment to research, or,
Whose crazy idea was that anyway?

Ed Bowles

Oregon Department of Fish and Wildlife

2:40pm-3:00pm

Implementation and the early years of the Idaho Supplementation Studies (1991-2001)

Kimberly Apperson

Idaho Department of Fish and Game

3:00pm-3:20pm

Stepping right in the middle of it – mid-stream changes in ISS coordination, implementation, and design

Chris Beasley

Quantitative Consultants Inc.

3:20pm-3:40pm

Break Sponsored by:

Kootenai Tribe of Idaho



3:40pm-3:50pm

Introduction

Tim Copeland

Idaho Department of Fish and Game

3:50pm-4:10pm

Idaho Supplementation Studies the Final Years:
Crossing the Finish Line and Wrapping it Up

David A. Venditti

Idaho Department of Fish and Game

4:10pm-4:30pm

Idaho Supplementation Studies: Basin Wide Evaluations of Chinook Salmon Supplementation;
Can Managers Use the Tool and at What Cost to Natural Populations?

Ryan Kinzer

Nez Perce Tribe

4:30pm-4:50pm

Idaho Supplementation Studies:
Results and Recommendations from 20+ Years of Supplementation Research

David A. Venditti

Idaho Department of Fish and Game

5:00pm-6:00pm

Evening Poster Session - Casco/Kidd/North Cape

6:00pm-11:00pm

Banquet and Fund Raiser/Auction - Bays 1 - 3

Thursday, March 10th - Concurrent Sessions

7:00am - 8:00am

Continental Breakfast

Bay 2

7:00am – 12:00pm

Meeting Registration

C.C. Registration Table

Contributed Presentations

Room	Climate Change and Invasive Species	Supplementation Symposium (continued)
	Bay 2	Bay 5
8:00am-8:10am	Introduction Moderator: Christine Stewart	Introduction Tim Copeland
8:10am-8:30am	Variability of Life-History Expression in <i>Oncorhynchus mykiss</i> : Drivers of Partial Migration Jeff Caisman University of Idaho	A Synthesis of Findings from an Integrated Hatchery Program after Three Generations of Spawning in the Natural Environment Bill Bosch Yakama Nation Fisheries
8:30am-8:50am	Steelhead seasonal marine growth and variability in age at return Charles Erdman University of Idaho	Chinook Salmon Captive Rearing: a Novel Conservation Hatchery Strategy for At-Risk Stocks Eric Stark Idaho Department of Fish and Game
8:50am-9:10am	Limiting Factors for Persistence of Plains Topminnow (<i>Fundulus sciadicus</i>) in Nebraska Streams Joseph Thiessen University of Nebraska-Kearney	History, Evaluation, and Future of the Imnaha River Chinook Salmon Supplementation Program: OK, Now What? Jason Vogel Nez Perce Tribe
9:10am-9:30am	Metal in the Mountains: A fish community mercury assessment with implications for human and wildlife risk in Glacier National Park Chris Downs NPS-Glacier National Park	Using Adaptive Management and Hatchery Supplementation in the Restoration of Snake River Fall Chinook Salmon Bill Young Nez Perce Tribe
9:30am-10:00am	Break	

Thursday, March 10th - (continued)

Contributed Presentations

Moderator Room	Climate Change and Invasive Species Melissa Muradian Bay 2	Supplementation Symposium (continued) Tim Copeland Bay 5
10:00am-10:20am	Effect of High Diel Temperature on Growth, Stress Response, and Immuno-competency of Burbot Marc Terrazas University of Idaho	Implementation of Conservation Aquaculture as Part of an Integrated Approach for Restoration of Sturgeon and Burbot Populations in the Kootenai River Sue Ireland Kootenai Tribe of Idaho
10:20am-10:40am	Rapid formation of population genetic structure and life history evolution following the introduction and establishment of a non-native anadromous fish Dan Hasselman Columbia River Inter-Tribal Fish Commission	Tucannon River Steelhead Supplementation: How effective will it be? Joe Bumgarner Washington Department of Fish and Wildlife
10:40am-11:00am	Seasonal influences of resource competition and predation on a Kokanee (<i>Oncorhynchus nerka</i>) fishery in an Eastern Washington Lake Brian Lanouette Washington State University	Past, Present and Future Outlook of the Snake River Sockeye Salmon Hatchery Program Christine C Kozfkay Idaho Department of Fish and Game
11:00am-11:20am		Best Paper/Poster Awards - Bay 2 Closing Remarks Jim Chandler ICAFS President
12:00pm-2:00pm	Post Meeting ExCom Meeting - Boardroom 5AB (7th Floor)	

Notes:

Notes:

