



American Fisheries Society



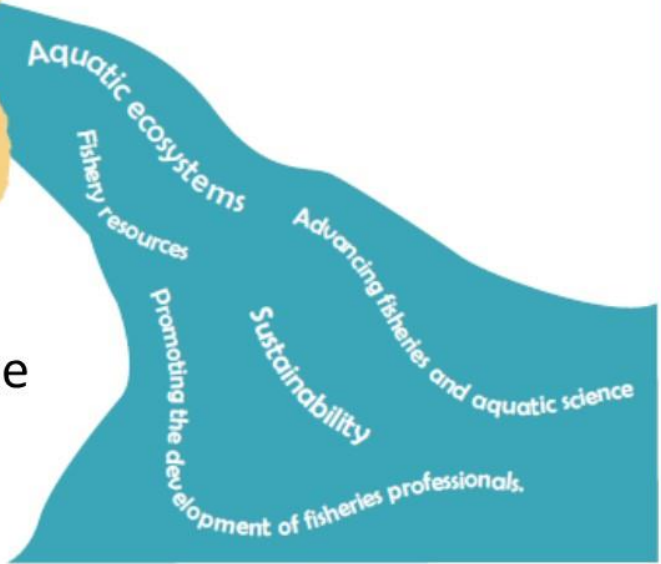
Idaho Chapter

36th Annual Meeting
February 28 - March 2, 2018
Shilo Inn
Idaho Falls, Idaho

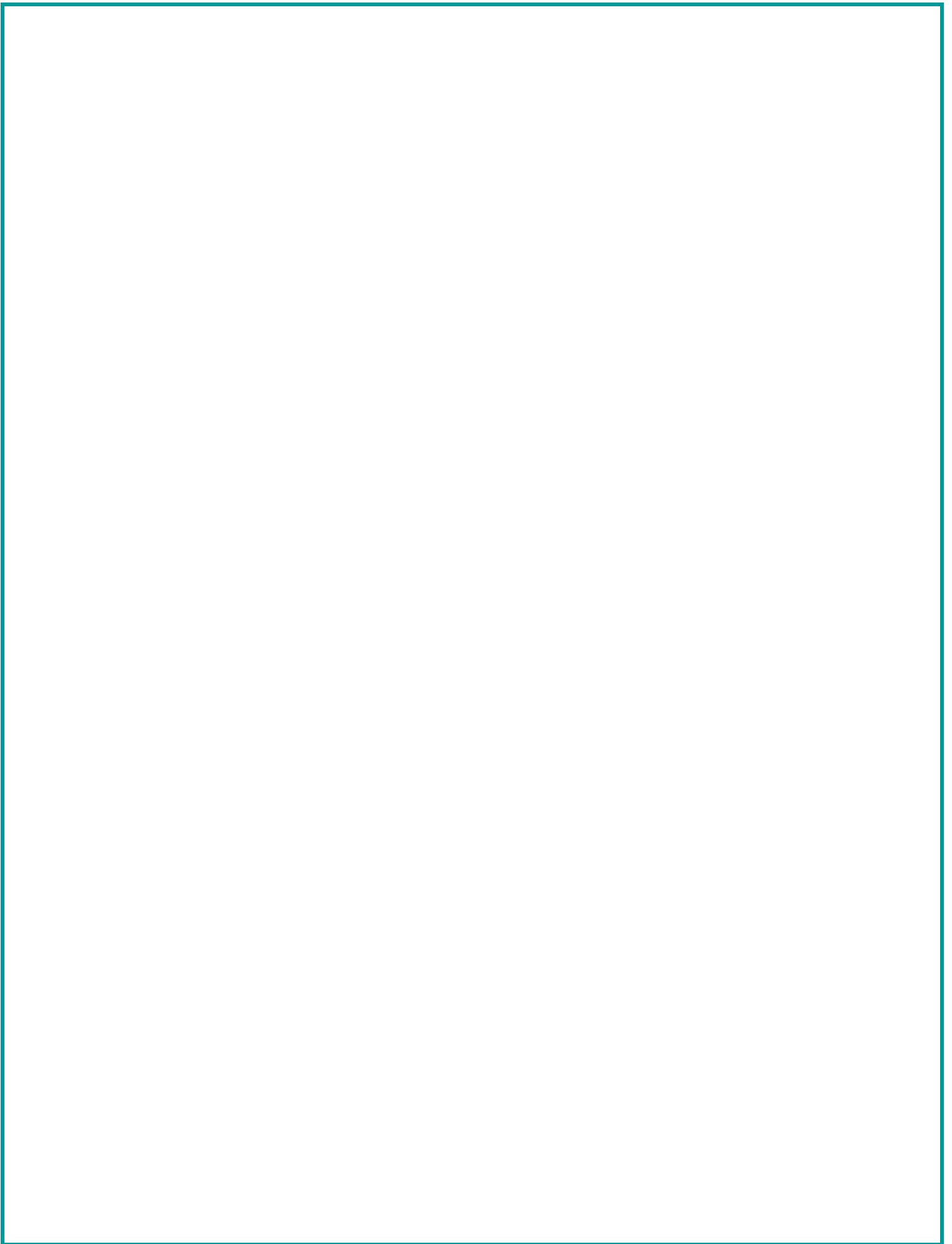


Program

Plenary Session:
Fisheries Scientists Must Write



Artwork by Emalee Lathouwers



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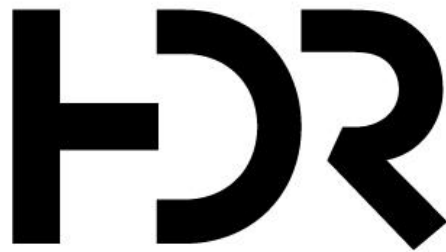
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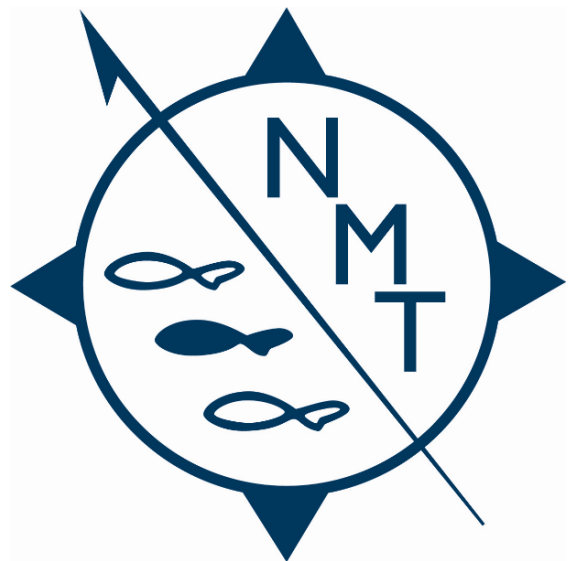
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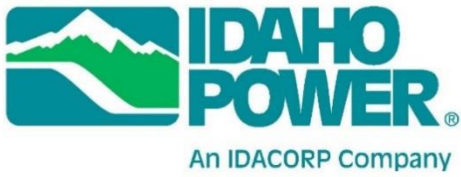
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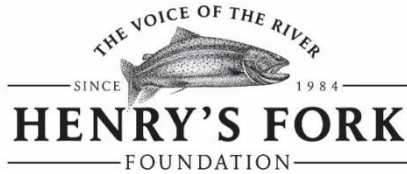
LOWER SNAKE RIVER
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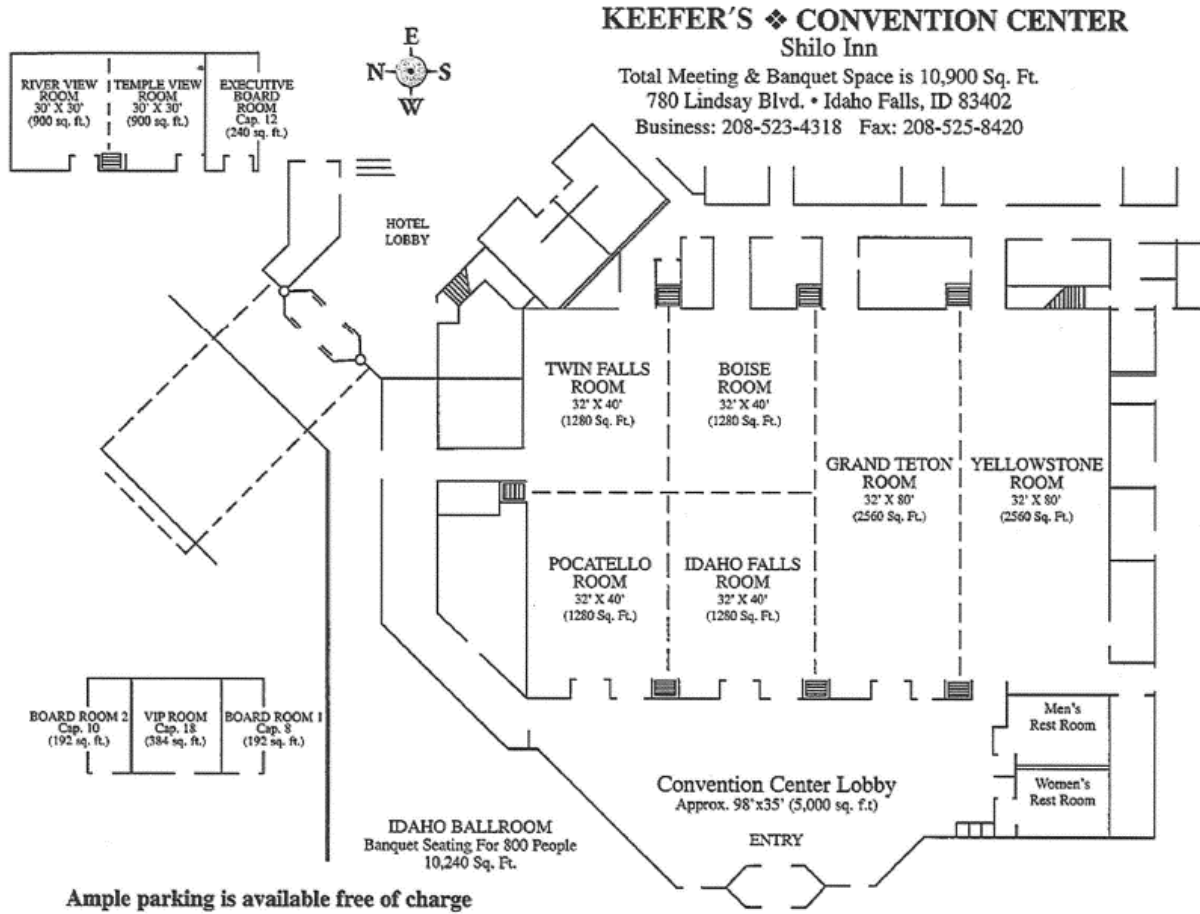
Schedule at a Glance

Monday, February 26		
6:00 pm - 9:00 pm	Meeting and Workshop Registration	Conv Ctr Lobby
Tuesday, February 27		
7:00 am - 5:00 pm	Meeting and Workshop Registration	Conv Ctr Lobby
2:00 pm - 5:00 pm	AV Table Open	Conv Ctr Lobby
8:00 am - 5:00 pm	Workshop "Scientific Writing & Editing"	Boise
8:00 am - 5:00 pm	Workshop "Wilderness First Aid Primer"	Idaho Falls
12:00 pm - 6:00 pm	Vendor Setup	Conv Ctr Lobby
1:00 pm - 6:00 pm	Poster Setup	River View/Temple View
4:30 pm - 5:00 pm	Volunteer Meeting	Executive
5:00 pm - 6:00 pm	EXCOM Meeting	Executive
6:00 pm - 9:00 pm	Welcome Social	Pocatello/Idaho Falls
Wednesday, February 28		
7:00 am - 5:00 pm	Meeting Registration	Conv Ctr Lobby
7:00 am - 4:00 pm	AV Table Open (Breakfast on Your Own)	Conv Ctr Lobby
8:00 am - 4:00 pm	Vendor & Poster Displays	Lobby & River View/Temple View
8:00 am - 10:00 am	Welcome and Plenary Session	Grand Teton- Yellowstone Lobby
10:00 am - 10:30 am	<i>Morning Break</i>	Lobby
10:30 am - 12:10 pm	Contributed Presentations (Concurrent)	Grand Teton- Yellowstone & Pocatello-Twin Falls
12:10 pm - 1:30 pm	Lunch Break & Committee Meetings (box lunch)	(see pg 15 for rooms)
1:30 pm - 2:50 pm	Special Session: Lake Pend Oreille Research, Management and the Future	Grand Teton- Yellowstone Lobby
2:50 pm - 3:10 pm	<i>Afternoon Break</i>	Lobby
3:10 pm - 4:00 pm	Special Session: Daniel Pauly – Two Ways of Introducing Gill-Oxygen Limitation Theory (GOLT)	Grand Teton- Yellowstone
4:30 pm - 5:30 pm	Spawning Run/Walk	Conv Ctr Lobby
6:30 pm - 9:00 pm	Student/Professional Mixer	Grand Teton- Yellowstone
Thursday, March 1		
7:00 am - 10:00 am	Meeting Registration	Conv Ctr Lobby
7:00 am - 4:00 pm	AV Table Open (Breakfast on Your Own)	Conv Ctr Lobby
7:00 am - 5:00 pm	Vendor & Poster Displays	Lobby & River View/Temple View
8:30 am - 9:50 am	Contributed Presentations (Concurrent)	Yellowstone & Pocatello-Twin Falls Lobby
9:50 am - 10:20 am	<i>Morning Break</i>	Lobby
10:20 am - 12:00 pm	Contributed Presentations (Concurrent)	Yellowstone & Pocatello-Twin Falls
12:00 pm - 2:10 pm	ICAFS Annual Business Meeting and Luncheon	Grand Teton-Boise- Idaho Falls

Schedule at a Glance (Cont'd)

2:10 pm - 2:20 pm 2:20 pm - 3:00 pm	<i>Quick Break before Contributed Presentations</i> Contributed Presentations (Concurrent)	Lobby Yellowstone & Pocatello-Twin Falls
3:00 pm - 3:30 pm 3:30 pm - 4:30 pm	<i>Mid-Afternoon Break</i> Contributed Presentations (Concurrent)	Lobby Yellowstone & Pocatello-Twin Falls
4:30 pm - 5:00 pm 4:00 pm - 6:00 pm 5:00 pm - 6:00 pm 6:00 pm - 11:00 pm	<i>Pre-Poster Session Break</i> Vendor Display Take-down Poster Session Banquet & Fundraiser / Auction!	Lobby Conv Ctr Lobby River View/Temple View Ballroom
Friday, March 2		
7:00 am - 9:00 am 8:30 am - 9:50 am	AV Table Open (Breakfast on Your Own) Contributed Presentations (Concurrent)	Conv Ctr Lobby Yellowstone & Pocatello-Twin Falls
9:50 am - 11:45 am 9:50 am - 10:20 am 10:20 am - 11:45 am	Poster Display Take-down <i>Morning Break</i> Contributed Presentations & IGNITE! Session (Concurrent)	River View/Temple View Lobby Yellowstone & Pocatello-Twin Falls
11:45 am - 12:00 pm 12:00 pm - 2:00 pm	Best Paper Awards and Closing Remarks EXCOM Post Meeting Wrap-up	Yellowstone Executive

Convention Center Floor Plan



2018 ICAFS Plenary Session Speakers



Dr. Daniel Pauly

Leading off the plenary is French-born Daniel Pauly. Dr. Pauly received his academic training in Germany, but his master thesis is based on his study of a small lagoon fishery in Ghana, while his Ph.D. work was inspired by 2 years in Indonesia, where he was studying data-deficient, multispecies fisheries.

Upon graduation, Daniel concentrated on the demersal tropical fisheries of the South China Sea and other tropical seas. In the Philippines Daniel established himself as a creative force, developing tools such as ELEFAN for studying the population dynamics of tropical fish. He subsequently penned a long series of papers documenting overfishing or collapses in the world's marine fisheries from Peruvian anchoveta to North Atlantic predatory fishes. This included the well-known paper "Fishing Down Marine Food Webs" which caught the attention of both scientists and the popular media alike.

A few of his creations, typically completed with an array of highly skilled collaborators, include Ecopath, FishBase, and SeaLifeBase, the last two consisting of worldwide datasets on hundreds of thousands of marine and freshwater aquatic species which are now available to all. In the mid-1990s Dr. Pauly transited to the University of British Columbia in Vancouver, where he serves as the University Killam Professor. Dr. Pauly was, and is, the science force behind the Sea Around Us, a research initiative with a stated mission to investigate the impacts of fisheries on marine ecosystems and to propose policies to mitigate these impacts.

Despite being now based in North America, Daniel continues to shuttle back and forth between Canada and various tropical countries, and we've fortuitously caught him between such global travels. Along with being the author of a witty, insightful book chapter with the same title as our plenary, Daniel Pauly is likely one of, if not the most cited living fisheries scientist. Both of these observations obviously explain his appearance on our plenary panel.



Dr. Michael Hansen

Our second plenary speaker is Minnesota native Michael Hansen. Dr. Hansen began his working career with the U.S. Navy as a sonar technician before completing a B.S. in fisheries at the University of Wisconsin – Stevens Point. At Cornell University, he studied benthic stream fishes for his MS degree and subsequently completed his Ph.D. under Bill Taylor at Michigan State University.

Between his MS and PhD degrees, Dr. Hansen worked for the Wisconsin DNR and eventually returned to UW Stevens Point as a professor. He currently serves as Chief of the USGS Hammond Bay Biological Station on Lake Huron, the primary laboratory conducting sea lamprey research. As a professor, Mike taught fisheries courses focusing on management and population dynamics, and mentored 29 graduate students. Mike has long played a prominent role with the Great Lakes Fishery Commission, conducting a variety of studies under that banner and serving as former chair and member of the U.S. Section. Several of his major career accomplishments include development of the population science and methods for setting walleye fisheries quotas for Wisconsin state-tribal fisheries and completion of a large suite of population studies focused on restoration of Lake Trout in the Great Lakes. He has studied lake trout across North America and has played a population dynamics mentoring role in multiple efforts to control or eliminate lake trout in the Western U.S where they are exotic predators.

Along with being an author of 90+ papers, 10 peer-reviewed book chapters and 18 non-refereed government publications, Dr. Hansen served as Co-Editor of the North American Journal of Fisheries Management from 1997 through 2010, during which he edited an astounding 1200+ papers. Mike will be expressing his views on “why fisheries scientists must write” from his unique viewpoint as both a prolific paper author and journal editor.



Gary Whelan

Our final plenary speaker will be Gary Whelan, a native of New Jersey. Gary completed his B.S. at the University of Wyoming, an M.S. at the University of Missouri, and has also performed research at Michigan State. Mr. Whelan has worked as a fisheries biologist for the Michigan Department of Natural Resources for over 30 years and prior to that worked as a research biologist for Michigan State University for 4.7 years. He is currently a Program Manager for the Michigan Department of Natural Resources - Fisheries Division, responsible for all operational aspects of the Fisheries Research Section. His other staff duties include fish health program oversight, assisting with habitat management issues, and handling emergency response issues for Fisheries Division.

In addition to his state duties, he has been involved with the National Fish Habitat Partnership for the last 13 years, initially one of the Core Team that wrote the Plan and for the last 11 years, as the Co-Chair of the Board's Science and Data Committee directly responsible for the National Fish Habitat Assessment. He is a life member of the American Fisheries Society and has served in numerous leadership roles for AFS. Gary is heavily involved in multiple Association of Fish and Wildlife Agencies (AFWA) committees on national fisheries issues, and was the second President of the Instream Flow Council.

He has authored or coauthored 36 peer-reviewed publications. While his educational training is as a stream ecologist, he has been blessed with a wonderfully diverse career that has ranged from studying 5-micron fish parasites and many other fish pathogens to understanding stream and watershed functioning to analyzing hydropower impacts statewide to examining fish habitat on a national scale to managing complex fisheries research and fish production systems for the State of Michigan. While obviously an accomplished author of journal articles himself, Mr. Whelan's comments will be directed at the sizable percentage of attendees who will never publish a peer reviewed paper (or perhaps one) in their careers.

Tuesday, February 27th

2018 ICAFS Annual Meeting Workshops

7:00 am - 5:00 pm	Meeting and Workshop Registration	Conv Ctr Lobby
8:00 am - 12:00 pm	Workshop - "Scientific Writing and Editing"	Boise
8:00 am - 12:00 pm	Workshop - "Wilderness First Aid Primer"	Idaho Falls
12:00 pm - 1:00 pm	Lunch (on your own)	
1:00 pm - 5:00 pm	Workshops Continued	
2:00 pm - 5:00 pm	AV Table Open	Conv Ctr Lobby
12:00 pm - 6:00 pm	Vendor Setup	Conv Ctr Lobby
12:00 pm - 6:00 pm	Poster Presentation Setup	River View & Temple View
4:30 pm - 5:00 pm	Volunteer Meeting	Executive
5:00 pm - 6:00 pm	EXCOM Meeting	Executive
6:00 pm - 9:00 pm	Welcome Social	Pocatello-Idaho Falls

Wednesday, February 28th

7:00 am - 5:00 pm	Meeting Registration (may be closed during sessions; breakfast on your own)	Conv Ctr Lobby
7:00 am - 4:00 pm	AV Table Open	Conv Ctr Lobby
8:00 am - 4:00 pm	Vendor and Poster Displays	Lobby & River View/Temple View
8:00 am - 8:10 am	Opening Remarks and Presidential Message Helen Neville - ICAFS President	Grand Teton- Yellowstone

**Plenary Session:
Fisheries Scientists Must Write** **Grand Teton-
Yellowstone**

8:10 am - 8:15 am	Plenary Introduction Dan Schill ICAFS President Elect
8:15 am - 8:45 am	Fisheries Scientists Must Write Daniel Pauly Killam Professor & Principal Investigator, <i>Sea Around Us</i>
8:45 am - 9:15 am	Fisheries Scientists Must Write, Perspectives of a Journal Editor Michael Hansen USGS Hammond Bay Biological Station
9:15 am - 9:45 am	What Difference Can I make? Reflections on the Importance of Capturing Agency Information Before It Disappears Gary Whelan Michigan Department of Natural Resources
9:45 am - 9:55 am	Q&A and Roundtable Discussion
9:55 am - 10:00 am	Plenary Wrap-up Dan Schill

Wednesday, February 28th (continued)

10:00 am - 10:30 am	Morning Break Sponsored by Northwest Marine Technology	Conv Ctr Lobby
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Contributed Presentations (Concurrent Sessions)

Room	Grand Teton-Yellowstone	Pocatello-Twin Falls
Moderator	Tim Copeland Idaho Department Fish and Game	John Powell Idaho Department Fish and Game
10:30-10:50	Population dynamics and evaluation of management strategies for White Sturgeon (<i>Acipenser transmontanus</i>) in the Sacramento-San Joaquin River Basin, California Shannon Blackburn University of Idaho	Drone surveys for stream restoration and passage projects Nick Kraus Quadrant Consulting, Inc.
10:50-11:10	Effects of release strategies on the survival of hatchery reared Kootenai River White Sturgeon Ryan Hardy Idaho Department of Fish and Game	Testing the effects of nitrogen addition to a large reservoir using a large mesocosm experiment Sean Wilson Idaho Department of Fish and Game
11:10-11:30	If you build it will they come? And other Kevin Costner based inferences on the White Sturgeon of the Kootenai River Kevin McDonnell Idaho Department of Fish and Game	Temporal and spatial trends of macroinvertebrate assemblages on the Henry's Fork of the Snake River Ben Ortman Henry's Fork Foundation
11:30-11:50	Relative performance of triploid Kokanee in Idaho lakes and reservoirs Philip Branigan Idaho Department of Fish and Game	Genomes enlighten phenotypic and life history diversity in salmonids Shawn Narum Columbia River Inter-Tribal Fish Commission
11:50-12:10	Evaluating the size selectivity of mid-water trawls for sampling Kokanee Zachary Klein University of Idaho	Fast, Cheap Sex: Next-generation DNA sequencing lives up to the hype for identifying and developing sex-linked markers Ninh Vu Eagle Fish Genetics Lab/Pacific States Marine Fisheries Commission

Wednesday, February 28th (continued)

12:10 pm - 1:30 pm

Lunch & Committee Meetings

Committees

Anadromous Fish - Grand Teton-Yellowstone Rm

Aquaculture - Boise Rm

Aquatic Habitat - VIP Rm

Mentoring - Executive Rm

Native Fish - Pocatello-Twin Falls Rm

Public Education - Idaho Falls Rm

Box Lunches – Available in Convention Center Lobby

**Special Session: Lake Pend Oreille Research,
Management and the Future**

Grand Teton-
Yellowstone

Introduction to Session

Moderator

Jim Fredericks

Idaho Department of Fish and Game

1:30 pm - 1:50 pm

Response to a decade of Lake Trout suppression in
Lake Pend Oreille, Idaho

Andy Dux

Idaho Department of Fish and Game

1:50 pm - 2:10 pm

Modeling long-term suppression of Lake Trout in
Lake Pend Oreille, Idaho

Michael Hansen

USGS Hammond Bay Biological Station

2:10 pm - 2:30 pm

Top down and bottom up influences on Kokanee
population dynamics in Lake Pend Oreille, Idaho

Matthew Corsi

Idaho Department of Fish and Game

2:30 pm - 2:50 pm

Research efforts to evaluate an expanding Walleye
population in Lake Pend Oreille

Pete Rust

Idaho Department of Fish and Game

Wednesday, February 28th (continued)

2:50 pm - 3:10 pm	Afternoon Break Sponsored by Kootenai Tribe of Idaho	Conv Ctr Lobby
Special Session: Dr. Daniel Pauly		Grand Teton- Yellowstone
Introduction Dan Schill Idaho Department of Fish and Game		
3:10 pm - 4:00 pm	Two ways of introducing gill-oxygen limitation theory (GOLT) Dr. Daniel Pauly University of British Columbia	
4:00 pm - 4:10 pm	Closing Remarks – Spawning Run/Walk Instructions	Grand Teton- Yellowstone
4:30 pm - 5:30 pm	Spawning Run/Walk Sponsored by Biomark	Conv Ctr Lobby
6:30 pm - 9:00 pm	Student/Professional Mixer (Pizza and Beer Feed) Sponsored by ICAFS and Student Subunits	Grand Teton- Yellowstone

Thursday, March 1st

7:00 am - 8:00 am	Breakfast on Your Own	
7:00 am - 10:00 am	Meeting Registration (may be closed during sessions)	Conv Ctr Lobby
7:00 am - 4:00 pm	AV Table Open	Conv Ctr Lobby
7:00 am - 5:00 pm	Vendor and Poster Displays	Lobby & River/Temple View

Contributed Presentations (Concurrent Sessions)

Room	Yellowstone	Pocatello-Twin Falls
Moderator	Rob Van Kirk Henry's Fork Foundation	Matt Belnap Idaho Department Fish and Game
8:25-8:30	Housekeeping & Announcements	Housekeeping & Announcements
8:30-8:50	A mark-recapture-based approach for estimating angler harvest Jon Hansen Idaho Department of Fish and Game	Seasonal distribution of wild Steelhead, hatchery Steelhead, and anglers in the Clearwater River, Idaho Stacey Feeken University of Idaho
8:50-9:10	Population dynamics of Smallmouth Bass in the Snake River, Idaho Conor McClure University of Idaho	Steelhead time travel: using previously collected tissues to validate wild Steelhead scale ages with parent based tagging Leslie Reinhardt Idaho Department of Fish and Game/Pacific States Marine Fisheries Commission
9:10-9:30	Using Tiger Muskellunge to improve size structure of an overabundant Brook Trout population Jordan Messner Idaho Department of Fish and Game	Modeling impacts of habitat restoration actions on juvenile Steelhead (<i>Oncorhynchus mykiss</i>) production in the Potlatch River, Idaho Brian Knoth Idaho Department of Fish and Game
9:30-9:50	Bear Lake tributaries fish passage and increased wild Cutthroat Trout James DeRito Trout Unlimited	Modification in diet due to inter-cohort competition at low population densities in Steelhead (<i>Oncorhynchus mykiss</i>) Natasha Wingerter University of Idaho

Thursday, March 1st (continued)

9:50-10:20	Morning Break Sponsored by HDR Engineering	Conv Ctr Lobby
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Contributed Presentations (Concurrent Sessions)		
Room	Yellowstone	Pocatello-Twin Falls
Moderator	Cassi Wood Trout Unlimited	Jake Hughes Idaho Power Company
10:20-10:40	Development and evaluation of a SNP marker panel for parentage based tagging of Yellowstone Cutthroat Trout (<i>Oncorhynchus clarkii bouvieri</i>) in Henrys Lake, Idaho Matthew Campbell Idaho Department of Fish and Game	Habitat selection and dispersal of juvenile Steelhead (<i>Oncorhynchus mykiss</i>) in small streams Austin Anderson University of Idaho
10:40-11:00	Connections and containers: using genetic data to understand how watershed evolution and human activities influence Cutthroat Trout biogeography Kendra Eaton Idaho State University	Diversity of the life history of a wild Steelhead population in the Lochsa River Basin in Idaho Marika Dobos Idaho Department of Fish and Game
11:00-11:20	Predicting the distribution of Yellowstone Cutthroat Trout in the Upper Snake River using spatial stream network analysis Cody J. Feldman Idaho State University	Status of Steelhead and fluvial trout in upper Salmon River tributaries Matt Belnap Idaho Department of Fish and Game
11:20-11:40	Effects of instream complexity on habitat suitability for stream-dwelling Cutthroat Trout populations Tyson Hallbert Idaho State University	An evaluation of rearing strategies for Steelhead production at Hagerman National Fish Hatchery - implementation of a partial reuse aquaculture system and early results Rod Engle U.S. Fish & Wildlife Service/LSRCP
11:40-12:00	Evaluating air exposure effects on the survival and fitness of Yellowstone Cutthroat Trout Curtis Roth University of Idaho	Contemporary genetic structure of wild Steelhead in the Snake River Basin John Powell Pacific States Marine Fisheries Commission/Idaho Department of Fish and Game

Thursday, March 1st (continued)

12:00-2:10	Business Luncheon	Boise-Idaho Falls-Grand Teton
2:10-2:20	Short Break	Conv Ctr Lobby

Contributed Presentations (Concurrent Sessions)		
Room	Yellowstone	Pocatello-Twin Falls
Moderator	Kevin Meyer Idaho Department Fish and Game	Sean Wilson Idaho Department Fish and Game
2:20-2:40	Isotopic niche differentiation and dietary overlap among salmonids and Utah Chubs in Henrys Lake, Idaho Jon Flinders Idaho Department of Fish and Game	Trapping monkeys: is an obsession with natal habitat sabotaging salmon recovery? Russ Thurow USFS-Rocky Mt Research Station
2:40-3:00	Population demographics of Utah Chub in Henrys Lake, Idaho Curtis Roth University of Idaho	Historical abundance of Oregon Coho: it's not what we thought Steve Cramer Cramer Fish Sciences
3:00-3:30	Afternoon Break Sponsored by Biomark, Inc.	
	Conv Ctr Lobby	
Moderator	Kevin Meyer Idaho Department Fish and Game	Sean Wilson Idaho Department Fish and Game
3:30-3:50	Population characteristics of invasive Burbot in Fontenelle and Flaming Gorge reservoirs, Wyoming Tucker Brauer University of Idaho	Reproductive success of hatchery Chinook Salmon spawning naturally in the Yankee Fork Salmon River, Idaho Lytle Denny Shoshone-Bannock Tribes
3:50-4:10	Evaluating potential harvest effects on Burbot (<i>Lota lota</i>) in the Kootenai River, Idaho T.J. Ross Idaho Department of Fish and Game	Assessment of habitat restoration effects on the Pahsimeroi River Chinook Salmon population Tim Copeland Idaho Department of Fish and Game
4:10-4:30	Voluntary in-hatchery spawning by Kootenai River Burbot Shawn Young Kootenai Tribe of Idaho	Genetic monitoring of Sockeye Salmon reintroductions: a strategy comparison for informed opportunities Andrew Matala Columbia River Inter-Tribal Fish Commission

Thursday, March 1st (continued)

4:30-5:00	Pre-Poster Session Break	Conv Ctr Lobby
5:00-6:00	Poster Session	River View /Temple View
6:00-11:00	Banquet and Fundraiser/Auction	Ballroom

Friday, March 2nd

7:00 am - 8:00 am Breakfast on Your Own

7:00 am - 9:00 am AV Table Open (if needed) Conv Ctr Lobby

Room	Yellowstone	Pocatello-Twin Falls
Moderator	Jeff Dillon Idaho Department Fish and Game	Dan Kenney U.S. Forest Service
8:25-8:30	Housekeeping & Announcements	Housekeeping & Announcements
8:30-8:50	Northern Pike management in Lake Coeur d'Alene: balancing values and ecology Carson Watkins Idaho Department of Fish and Game	Efficacy of remote site incubators for producing juvenile Chinook Salmon in Panther Creek, Idaho Lytle Denny Shoshone-Bannock Tribes
8:50-9:10	Sensitivity of exploitation estimates to tag loss estimation methods in Idaho sport fisheries Joshua McCormick Idaho Department of Fish and Game	Distribution and conservation status updates for the western endemic crayfishes <i>Pacifastacus connectens</i> and <i>Pacifastacus gambelii</i> Eric Larson University of Illinois
9:10-9:30	Evaluating Early Rearing Feeding Techniques on Hatchery Rainbow Trout Eric Pankau	Oxytetracycline does not cause growth promotion in finfish Michelle Jakaitis Pacific States Marine Fisheries Commission/IDFG
9:30-9:50	Species composition, abundance and distribution of tropical fish in Barney Hot Springs and Barney Creek, Idaho Skyler Smith Brigham Young University-Idaho	Commercial fisheries of the upper Mississippi River Zachary Klein University of Idaho

Friday, March 2nd (continued)

9:50-10:20	Morning Break Sponsored by Intermountain Aquatics Inc.	Conv Ctr Lobby
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Room	Yellowstone	Pocatello-Twin Falls
Moderator	Bryan Grant Idaho Department Fish and Game	Pat Kennedy Idaho Department Fish and Game
10:20-10:40	Use of water withdrawals from Spring Valley Reservoir to improve juvenile Steelhead rearing habitat Tiege Ulschmid Idaho Department of Fish and Game	Impact of lost floods on fish and food webs in a regulated river floodplain James Paris Idaho State University
10:40-11:00	Population ecology of adult Snake River Steelhead returning to the Yankee Fork Salmon River Jonathan Ebel Shoshone-Bannock Tribes	Mapping the foodscape for drift-feeding salmonids identifies spatial and temporal scales of resource exploitation Hope Owens Idaho State University
11:00-11:20	The effects of adult ladder passage at Lower Granite Dam on Snake River salmonid migration Christina Morrisett University of Washington	Fish assemblage structure and habitat associations in the St. Maries River Basin, Idaho John Heckel University of Idaho
11:20-11:45	Air exposure and fight times for Steelhead fisheries in Idaho Luciano Chiamonte Idaho Department of Fish and Game	IGNITE! Presentations (see schedule next page)
11:45-12:00	Best Paper / Poster Awards Closing Remarks Helen Neville ICAFS President	
12:00-2:00	EXCOM Meeting	Executive

Friday, March 2nd (continued)

11:20 am - 11:45 am	IGNITE! Oral Presentations	Pocatello-Twin Falls
11:20 am - 11:25 am	Kootenai River White Sturgeon research and recovery efforts Ryan Hardy Idaho Department of Fish and Game	
11:25 am - 11:30 am	Kootenai River White Sturgeon aquaculture program update Shawn Young Kootenai Tribe of Idaho	
11:30 am - 11:35 am	Pacific Lamprey historical photo search Adam Wicks-Arshack University of Idaho	
11:35 am - 11:40 am	Lessons learned in lamprey low head dam passage Sue Camp Bureau of Reclamation	
11:40 am - 11:45 am	P.S. I Love You...Yankee Fork PS3: what's to love (or not love) about pond series 3 after five years Caselle Wood Trout Unlimited	

Poster Titles and Presenters

Identification Of Thermal Bottlenecks Affecting Burbot Embryo Development: Implications For Restoring The Lower Kootenai River Population, **Neil Ashton, University of Idaho**

Abundance, Growth, Exploitation, And Survival Of Yellowstone Cutthroat Trout In A Large Secluded Alpine Lake, **Nicholas Birmingham, Idaho Department of Fish and Game**

Efficacy Of Using Angler-Caught Burbot To Estimate Population Rate Functions, **Tucker Brauer, University of Idaho**

Population Demographics, Diets, And Distribution Of Salmonids In A Groundwater-Fed Spring Brook, **Rachel Brinkley, Idaho State University**

Investigating Relationships Between Animal Diversity And River-Riparian Habitat Heterogeneity In A Wilderness Watershed, **Jeremy Brook, Idaho State University**

Panther Creek Chinook Egg Boxes, **Rebecca Croy, Shoshone-Bannock Tribes**

Environmental DNA And Electrofishing Reveals Spatial Distribution Of Juvenile Chinook Salmon In The Yankee Fork Salmon River And Panther Creek, Idaho, **Lytle Denny, Shoshone-Bannock Tribes**

Southeast Idaho Fish Screen Inventory And Database, **James DeRito, Trout Unlimited**

Age, Growth, And Mortality Of Channel Catfish In The Snake River Upstream Of Brownlee Reservoir, **Walter Earl, Boise State University**

Ecological And Sociocultural Foundations Of Relational Values Found In River Systems, **Adam Eckersell, Idaho State University**

Population Structure Of Common Carp (*Cyprinus carpio*) In Lake Spokane, Washington, **Stacey Feeken, University of Idaho**

Standard Weight (W_s) Equation And Length Categories For Utah Chub, *Gila atraria*, **Jon Flinders, Idaho Department of Fish and Game**

Spatially-Explicit Growth In Snake River Fall Chinook Salmon: Evidence From Juvenile Otolith Analysis, **Katherine Gillies-Rector, University of Idaho**

Describing Spatial Variability And Life History Strategies Of Westslope Cutthroat Trout In The Coeur D'Alene Lake Basin, **John Heckel, University of Idaho**

The Benefits And Challenges Of Transitioning To Digital Data Collection, **Joshua Jackson, Shoshone-Bannock Tribes**

Poster Titles and Presenters (cont'd)

Kootenai Tribe Of Idaho Permitting For In-State And International Fish Transport And Release, **Nathan Jensen, Kootenai Tribe of Idaho**

A Qualitative Analysis Of The Effects Of Landslides And Road Decommissioning On Aquatic Organisms And Habitat On A North-Central Idaho National Forest, **Daniel Kenney, U.S. Forest Service**

Field Identification Of Juvenile Salmonids And Their Hybrids At A Rotary Screw Trap Site In The Lochsa River Basin, **Dalton Lebeda, Idaho Department of Fish and Game**

Investigating Trophic Status Of An Invasive Crayfish Using Stable Isotopes, **John Loffredo, Washington State University**

Restoring Chinook Salmon In The Yankee Fork Salmon River, **Carlos Lopez, Shoshone Bannock Tribe**

Rise To The Future: USFS National Fish And Aquatic Strategy, **Brenda Mitchell, U.S. Forest Service**

Salmonflies: The Hidden Key To Family Cohesion, **Loni Nelson, Idaho State University**

Mussel Enumeration In Lolo Creek, Clearwater River Basin, Idaho, **Doug Nemeth, U.S. Fish and Wildlife Service**

Effect Of Temperature On Growth, Maturation, And Reproduction Of Brook Trout, **Shelby Nielson, Brigham Young University-Idaho**

Effect Of A Trematode On Growth And Reproduction Of Shorthead Sculpin In Birch Creek, Idaho, **Darby Rogers, Brigham Young University-Idaho**

Effects Of Air Exposure On The Survival Of Salmonids Captured Via Mid-Summer Angling Events, **Curtis Roth, University of Idaho**

Long-Term Monitoring Of Fish Distribution And Abundance In The Big Lost River Drainage, Idaho, **Jason Spillett, Idaho Department of Fish and Game**

Does Temporal Variability In Stream Flow And Temperature Influence The Growth Of Cutthroat Trout In Headwater Streams?, **Zane Stephenson, Idaho State University**

A Decade of Scales: Examining Juvenile Steelhead Age Characteristics in 10 Idaho Streams, **Daniel Trovillion, Pacific States Marine Fisheries Commission**