

Room	Washington State Convention Center - 3A	Washington State Convention Center - 3B	Washington State Convention Center - 401	Washington State Convention Center - 4C-1
<b>THURSDAY, SEP. 8</b>	<b><u>Cognitive, Sensory, and Behavioral Frontiers Exploring Fish Movement and Habitat Use</u></b>	<b><u>Conservation Genetics and Genomics in Fisheries, Part 2</u></b>	<b><u>Stocking Conservation Issues: Integrative Methods In Recreational Fisheries: Science and Policy of Fish Propagation, Part 2</u></b>	<b><u>Conservation of Organisms in Dendritic Systems</u></b>
<b>Moderator</b>	<b>Mark Celedonia</b>	<b>Kerry Naish</b>	<b>Laura Hoberecht</b>	<b>Howard Jelks</b>
8:00 AM	Cognitive Ecology and Decision Making: Individual Differences in Fish Movements <b>Victoria Braithwaite</b> 114-1	454 RRL Sequencing of Atlantic Cod Reveals Large Numbers of Microsatellites and SNPs <b>Tom F. Cross</b> 115-1	It Takes Guts to be a Carnivore - Some Thoughts and Recent Developments on Feeds for Aquaculture <b>Michael Rust</b> 130-1	Riverine Landscapes: Exploring Connectivity, Extinction Risk, and Biogeography in an Alternative Geometry <b>William F. Fagan</b> 111-1
8:15 AM	Cognitive Psychology and Fish Behavior <b>James J. Anderson</b> 114-2	A Diagnostic Panel of SNPs Distinguishing Between Farmed and Wild Atlantic Salmon <b>Kjetil Hindar</b> 115-2	Aquaculture of White Seabass in California – From High Intensity Rearing to Net Pen Culture for Stock Enhancement and Food Production <b>Mark Drawbridge</b> 130-2	
8:30 AM	Field Scale Fish Movement Analysis Using Methods Based in Perceptual Decision-Making <b>R. Andrew Goodwin</b> 114-3	A Genetic Basis for the Phenotypic Differentiation Between Lake Trout Morphotypes <b>Frederick Goetz</b> 115-3	North American Fisheries, Aquaculture and IMTA: 160 Years of Continuity <b>Peter Becker</b> 130-3	Toward a Framework for Characterizing Hydrologic Connectivity in Riverine Fishes <b>Rebecca Flitcroft</b> 111-2
8:45 AM	Social Learning and Public Information Use in Sticklebacks <b>Mike Webster</b> 114-4	Comparison of Pink Salmon Genomes Across Even- and Odd-Year Broodlines <b>Lisa W. Seeb</b> 115-4	West Coast Shellfish Aquaculture – Opportunities and Challenges <b>Bill Dewey</b> 130-4	Potential Population Level Consequences of Network Structure for Headwater Fishes <b>Joel W. Snodgrass</b> 111-3
9:00 AM	Individual and Population-Level Personality Traits Influence Dispersal Decisions in the Invasive Western Mosquitofish <b>Kelly Weinersmith</b> 114-5	Sexually Biased and Sexually Antagonistic Genes in Salmonids <b>Ruth B. Phillips</b> 115-5	How/Where to Lead in a Confused Market <b>Timothy O'Shea</b> 130-5	Effects of Topology and Spatial Heterogeneity on Dispersal in Dendritic Systems <b>Rachata Muneeppeerakul</b> 111-4
9:15 AM	Linking Movement and Habitat Use to Personality in Fishes <b>Rob McLaughlin</b> 114-6	Conservation Implications of Widespread Misclassification and Hybridization of two Endangered Galaxiids in South America <b>Sofia Consuegra del Olmo</b> 115-6	Panel Discussion	An Evaluation of the Influence of Fragmentation on Stream Fish Communities Using Spatially-Explicit Metapopulation Models <b>James T. Peterson</b> 111-5
9:30 AM	Collective Motion, Decision Making and Predator-Prey Interactions in Schooling Fish <b>Iain Couzin</b> 114-7	Early Life History Transcriptome Differences and Temperature Adaptation in Brown Trout <b>Kristian Meier</b> 115-7		Viewing River Fragmentation Across the Conterminous United States for Improved Conservation and Management of Dendritic Systems <b>Dana M. Infante</b> 111-6
<b>THURSDAY AM BREAK</b>				
<b>Moderator</b>	<b>Andy Goodwin</b>	<b>Lisa Seeb</b>	<b>Tom Flagg; Jim Bowker</b>	<b>Steve Walsh</b>
10:15 AM	Feature Integration During Collective Decision-Making in Fish Shoals <b>Simon Garnier</b> 114-8	Gene Expression as an Indicator of Environmental Stress in the Pacific Oyster, <i>Crassostrea gigas</i> <b>Emma Timmins-Schiffman</b> 115-8	Conservation Strategies for Northwest Hatcheries - ESA and Sustainable Fisheries Concerns <b>Thomas A. Flagg</b> 130-6	Structural Complexity, Movement Bias and Metapopulation Extinction Risk in Dendritic Ecological Networks <b>Evan H. Campbell Grant</b> 111-7
10:30 AM	Consensus Decision-Making in Fish <b>Noam Y. Miller</b> 114-9	Causes of Fitness Decline in Hatchery Steelhead from the Hood River <b>Michael S. Blouin</b> 115-9	Hatchery Reform: an Update on Implementation <b>Lee Blankenship</b> 130-7	Genes in Streams: The Role of Life-History, Habitat Specialization and River Architecture <b>Jane M. Hughes</b> 111-8
10:45 AM	Fish Schools as Self-Organizing Adaptive Information Networks <b>Bertrand Lemasson</b> 114-10	Gene Mapping in Salmonids Using Sequenced RAD Tags <b>Meredith Everett</b> 115-10	Integrated, Segregated, and Two-Stage Stepping Stone Hatchery Broodstock Programs—Achieving Both Conservation and Harvest Goals <b>Don Campton</b> 130-8	Genetic Effects of Stream Structure <b>James D. Austin</b> 111-9
11:00 AM	Developing Visual Foraging Models as a Framework for Predicting Predation Risk, Foraging Success, and Distribution in Pelagic Communities <b>David A. Beauchamp</b> 114-11	Illuminating SNP Discovery and Population Genomics of Puget Sound Chinook Salmon Through the Transcriptome <b>Daniel Gomez-Uchida</b> 115-11	Hatchery Monitoring - What and Why? <b>Mark Chilcote</b> 130-9	Ecological Implications of Lotic Fragmentation on Fish Communities in Alberta's Boreal Forest Watersheds <b>David Park</b> 111-10
11:15 AM	Foraging of Cutthroat Trout Tracked with Ultrasonic Telemetry in Relation to Shifts in Reservoir Stratification <b>Adam G. Hansen</b> 114-12	Linked Genetic Markers and Mixed Stock Analysis: When to Care and What to Do? <b>Christopher Habicht</b> 115-12	Mechanisms Affecting Competition Between Hatchery and Wild Juvenile Anadromous Pacific Salmonids in Fresh Water <b>Christopher P. Tataru</b> 130-10	Road Crossings Limit Northern Pike Access to Seasonal Spawning Habitat <b>Matthew Diebel</b> 111-11
11:30 AM	Natal Homing and the Geomagnetic Imprinting Hypothesis for Salmon and Sea Turtles <b>Kenneth J. Lohmann</b> 114-13	Partitioning Transcriptional Variance in Fish: Patterns of Population and Family Divergence <b>Daniel Heath</b> 115-13	Spatial and Temporal Overlap of Hatchery and Wild Spring Chinook Salmon Spawning: Effects of Hatchery Acclimation Sites <b>Andrew Dittman</b> 130-11	Does the Shoe Really Fit? IUCN Status Assessments <b>Gene Helfman</b> 111-12
11:45 AM	Integrating Fish Movement Data and Hydraulics for Habitat Analysis <b>David L. Smith</b> 114-14	Genomics of Brook Trout: Quest for Adaptive Variation Among Populations Exhibiting Genetic Differentiation at Neutral Loci <b>Tim L. King</b> 115-14	Migrations of Released Hatchery Steelhead Smolts Influence Ecological and Genetic Interactions <b>Benjamin M. Kennedy</b> 130-12	Panel Discussion

Room	Washington State Convention Center - 4C-2	Washington State Convention Center - 4C-3	Washington State Convention Center - 4C-4	Washington State Convention Center - 602
<b>THURSDAY, SEP. 8</b>	<b><u>Climate Change and Pacific Salmonids, Part 2</u></b>	<b><u>Can Aquatic Resources Survive Global Climate Change and Humanity's Best Intentions?, Part 2</u></b>	<b><u>Oil Spill Impacts to Marine Fisheries: Exxon Valdez to Deepwater Horizon</u></b>	<b><u>Aquatic Education &amp; Outreach: Innovative Programs and Evaluative Techniques, Part 2</u></b>
<b>Moderator</b>	<b>Ashley Steel, Tim Beechie</b>	<b>Orlay Johnson</b>	<b>Brian Alford</b>	<b>Dan Spencer</b>
8:00 AM	Capacity of Adaptive Responses by Salmon to Buffer Effects of Climate Change <b>Robin Waples</b> 110-1	<b>Speed Presentations:</b> Why Did The Southern Chum Salmon Cross The Road? Importance of Long Term Data Sets to Understand Changes in Species Distributions <b>Orlay Johnson</b> 123-1 Approaches to Assessing Viability and Developing Recovery Criteria for Threatened Puget Sound Steelhead <b>Jim Myers</b> 123-2 A Short Tale: Can We Learn Anything from Scales? <b>Kathleen Neely</b> 123-3	Keynote: Oil Spill Disasters and Chronic Responses of Fish: Lessons from Exxon Valdez to Deepwater Horizon <b>David Hinton</b> 117-1	Educate, Engage, and Employ-- DOI and Service Fisheries Program Approaches Towards (Re)Connecting People with Nature <b>Sean Connolly</b> 109-1
8:15 AM	Climate Change in Pacific Salmon Rivers <b>John Kimball</b> 110-2	Climate Change and Salmon in the North Pacific - Winners and Losers <b>Jim Irvine</b> 123-4		Stocking the Pond: NOAA Living Marine Resource Cooperative Science Center's Coast Camp Engages Diverse Youth <b>Dionne Hoskins</b> 109-2
8:30 AM	Comparing Models of Estimated Range Shifts in Pacific Salmon <b>Alisa Wade</b> 110-3	The Forsaken Fjord V2.0—Science, Society, and Biological Decline in Puget Sound <b>Casimir A. Rice</b> 123-5	Long Term Impacts of Exxon Valdez Spill on Embryonic Salmon <b>Stanley D. Rice</b> 117-2	Gifford Pinchot National Forest's Urban Youth Program <b>David Hu</b> 109-3
8:45 AM	Genomic Profiles of Ocean Migrating Salmon Can Predict Fate to Spawning Grounds <b>Kristi Miller</b> 110-4	Endangered White Abalone - the View from a Decade of Research <b>John Butler</b> 123-6	The Exxon Valdez Oil Spill: Long-Term Effects and Pathways of Exposure to Nearshore Vertebrates <b>Brenda Ballachey</b> 117-3	Sharing Tails®: Teaching Children about Native Arizona Fish <b>Carol Pacey</b> 109-4
9:00 AM	Assessing Patterns of Resilience to Climate Change for Early-Run Chinook Across Latitudes <b>Christine Petersen</b> 110-5	Salmon Habitat Restoration: Are We Putting the Right Projects in the Right Places? <b>Katie Barnas</b> 123-7	EVOS and the Collapse of Herring in Prince William Sound <b>Richard Thorne</b> 117-4	Deschutes Children's Forest: Collaboration in Action <b>Sean Ferrell</b> 109-5
9:15 AM	From Individual-Based Research on Linking Maternal Experience to Maternal Condition to Offspring Performance/Fitness to Implications for Cross-Generational Population Dynamics <b>David A. Patterson</b> 110-6	The Haunted Fjord: Patterns and Implications of Ghost Nets in Puget Sound and the Northwest Straits <b>Tom Good</b> 123-8	Endocrine Disruption in Herring Exposed to Dissolved Hydrocarbons <b>Chris Kennedy</b> 117-5	Engaging Migrant Youth in Marine Science through Experiential Learning Opportunities <b>Bryan Fluech</b> 109-6
9:30 AM	Differences in Cardiorespiratory Performance and Thermal Tolerance among Sockeye Salmon Populations <b>Erika Eliason</b> 110-7	Changes in Parr-to-Smolt Survival and Migratory Behavior in Wild Snake River sp/su Chinook Salmon over Two Decades. <b>Steve Achord</b> 123-9	Effects of the Ixtoc Oil Spill on the Marine Fauna in the Southern Gulf of Mexico <b>Felipe Amezcua Jr.</b> 117-6	Bridging the Gap: Supporting and Facilitating Connections to Promote Marine Ecosystem Literacy and Link Academic Resources to Local Communities <b>Gretchen Glaub</b> 109-15
<b>THURSDAY AM BREAK</b>				
<b>Moderator</b>	<b>Scott Hinch, Sarah Boon</b>	<b>Bob Gresswell</b>	<b>Matthew Andersen</b>	<b>Rebecca Reuter</b>
10:15 AM	Increased Thermal Tolerance of Rainbow Trout by Selective Breeding at High Temperatures <b>Shigeharu Kinoshita</b> 110-8	Kinship, Cultural Traditions and the Resilience of Killer Whale Populations in the North Pacific <b>Kim Parsons</b> 123-10	Effects of Petroleum Stressors on Life History Development in Fishes <b>Jack Word</b> 117-7	Kids in the Creek: A Watershed Curriculum <b>Judy Neibauer</b> 109-8
10:30 AM	Restoring Salmon in a Changing Climate <b>Tim Beechie</b> 110-9	Integrating Downscaled Climate Predictions for Native Salmonid Conservation: Lessons from Probabilistic Models <b>Douglas P. Peterson</b> 123-11	Blood Samples Stabilized in the Field for Laboratory Analyses after 24 Hours <b>Heather M. Olivier</b> 117-8	Graduate Teaching Fellows in STEM High School Education: an Environmental Science Learning Community at the Land-Lake Ecosystem <b>Carol A. Stepien</b> 109-9
10:45 AM	Uncertainties in Projections of Future Effects of Climate on Salmon <b>Randall M. Peterman</b> 110-10	Predicting Effects of Land Use and Climate Change on Availability of Suitable Thermal Habitat for Native and Nonnative Salmonids <b>Shane Vatland</b> 123-12	Acute Toxicity of the Anionic Surfactant Dioctyl Sodium Sulfosuccinate to Eggs, Larvae, and Juvenile Gulf Killifish at Varying Salinities <b>Christopher C. Green</b> 117-9	Fostering Environmental Careers Through Participation <b>Dennis Clement</b> 109-10
11:00 AM	Options for Steelhead Recovery in an Uncertain Future Climate: A Case Study of the Pajaro River, California <b>David Boughton</b> 110-11	Flow Regime, Biotic Interactions and Temperature Drive Responses of Four Trout Species to Climate Change <b>Seth J. Wenger</b> 123-13	The Physiological Effects of Resident Killifish Impacted by the Deepwater Horizon Oil Spill <b>Fernando Galvez</b> 117-10	Conservation Education - The Science of Fish & Wildlife Management <b>Margaret Tudor</b> 109-11
11:15 AM	Climate Change Predictions and Management Options from Coupled Watershed and Salmon Population Dynamics Models <b>Lisa C. Thompson</b> 110-12	Potential Effects of Climate Change on Native Cutthroat Trout Throughout the Upper Colorado River Basin: Analyzing Thermal Habitat for Fragmented Populations <b>James J. Roberts</b> 123-14	Genome Expression Response of Resident Killifish Impacted by the Deepwater Horizon Oil Spill <b>Andrew Whitehead</b> 117-11	Communicating Science Using the Web <b>Rebecca F. Reuter</b> 109-12
11:30 AM	Significance of Thermal Refugia for Atlantic Salmon <b>Tommi Linnansaari</b> 110-13	Potential Influences of Climate Change on the Rio Grande Cutthroat Trout <b>Andrew Todd</b> 123-15	Resolving Changes in Zooplankton Biomass and Community Composition During the DWH Oil Spill <b>Robert Condon</b> 117-12	Watershed Ecologists in Training: Student Scientists on the Sound <b>Cara Ianni</b> 109-13
11:45 AM	California Golden Trout and Climate Change: Will Their Stream Habitat Be Resilient to Increased Water Temperatures? <b>Kathleen Matthews</b> 110-14	Comparing Models to Determine Climate Change Effects to Lahontan Cutthroat Trout <b>Amy L. Haak</b> 123-16	Acoustic Observations of the Deep Scattering Layer During the Deepwater Horizon Oil Spill <b>Alex De Robertis</b> 117-13	Science is a Verb: Teaching the Process of Scientific Thinking <b>E. Ashley Steel</b> 109-14

Room	Washington State Convention Center - 603	Washington State Convention Center - 604	Washington State Convention Center - 606	Washington State Convention Center - 607
<b>THURSDAY, SEP. 8</b>	<b><u>Environmental Flow Applications in the Management of Hydroelectric Dams</u></b>	<b><u>Contributed Papers - Sampling, Tagging, Tracking, and Recording Methods, Part 2</u></b>	<b><u>Sockeye on the Brink-Can Good Fisheries Management Maintain and Restore Sockeye Stocks in the Pacific Northwest?</u></b>	<b><u>Salmonid Population Resilience</u></b>
<b>Moderator</b>	<b>Tim Hanrahan</b>	<b>Kate I. Andrews</b>	<b>Jeffrey Fryer</b>	<b>Dan Bottom; Ian Fleming</b>
8:00 AM	Spatial Scale Issues in Environmental Flow Modeling <b>Steven F. Railsback</b> 107-1	Improving Fishery Data Collection; Is the Cost Worth the Benefit? <b>Kate I. Andrews</b> 120-1	Can Columbia Basin Sockeye Salmon Adapt to a Changing Environment? <b>Jeffrey K. Fryer</b> 129-1	Filling the Gaps in an Eco-Phenotypic Framework of Salmonid Population Resilience <b>Michael T. Kinnison</b> 116-1
8:15 AM	Pulsed-Flow Impacts on Stream Fishes: What Do We Know? What Are the Knowledge Gaps and Synthesis Needs? <b>Lisa C. Thompson</b> 107-2	Quantifying the Impact of V-Notching on Egg Production in the Newfoundland Lobster Stock <b>Kate M. Wilke</b> 120-2	The Grand Coulee Fish Maintenance Project: a Genetic Blender or Evidence for Local Adaptation in Columbia River Sockeye Salmon <b>Eric Iwamoto</b> 129-2	
8:30 AM	Managing Flows to Promote Natural River Functionality and Steelhead Habitat Development <b>Lee Harrison</b> 107-3	Evaluating Performance of a Survey Index for Stock Assessment <b>Yuying Zhang</b> 120-3	Understanding the Increased Abundance in Adult Returns for Snake River Sockeye Salmon: The Influence of a Smolt Component to the Program <b>Mike Peterson</b> 129-3	Life History Diversity and the Persistence of Atlantic Salmon Populations <b>Ian Fleming</b> 116-2
8:45 AM	Striving for Balance Between Environmental Flows and Hydroelectric Operations: Case Study – Henry M. Jackson Hydroelectric Project, Sultan River, Washington <b>Keith Binkley</b> 107-4	Comparing Two Methods Used to Mark Juvenile Chinook Salmon: Automated and Manual Marking <b>Douglas E. Olson</b> 120-4	Genetic Marking of Sockeye Salmon Anadromous Returns in the Sawtooth Valley Lakes, Idaho <b>Christine Kozfkay</b> 129-4	Selective Consequences of Catastrophes on Growth Rates <b>Simone Vincenzi</b> 116-3
9:00 AM	The Freight Train Is Coming: Tales of the Integrated Licensing Protocol in Virginia <b>John R. Copeland</b> 107-5	Use of Passive Integrated Transponder (PIT) Tag Antennas to Monitor Movements of Mummichogs <i>Fundulus heteroclitus</i> in a Tidal Saltwater Creek <b>Paul Rudershausen</b> 120-5	Past and Present Spatial Structure of “ <i>O. nerka</i> ” in Five Sawtooth Valley Lakes: Migration Barriers and Persistence <b>Kitty Griswold</b> 129-5	Genetic Variation Associated with Alternative Life History Phenotypes in the Atlantic Salmon <b>David Paez</b> 116-4
9:15 AM	The Influence of Environmental Regulation in the Operations of the Idaho Power Co. Hydrosystem <b>Jon Bowling</b> 107-6	Tag Retention of Floy and PIT Tags in Shovelnose Sturgeon <b>Martin J. Hamel</b> 120-6	Evidence of Natural Production: <i>O. nerka</i> in the Sawtooth Valley Lakes, Idaho, USA <b>Robert Griswold</b> 129-6	Life History Diversity and Resilience of Willamette (Oregon) Spring Chinook <b>Kirk Schroeder</b> 116-5
9:30 AM	<b>Speed Presentations:</b> MesoHABSIM in the Management of Hydroelectric Dams <b>Piotr Parasiewicz</b> 107-7  Effects of Dam Operations on Fall Chinook salmon in the Hanford Reach of the Columbia River <b>Ryan A. Harnish</b> 107-8  Hanford Reach Fall Chinook and How Hydroelectric Development May Contribute to Increased Productivity <b>Russell B. Langshaw</b> 107-9	Assessing Predation Risk of Juvenile Salmonids Using Radio-Telemetry <b>Danielle M. Frechette</b> 120-7	The Role of the Okanagan Basin Fish-and-Water Management Tool in Boosting Sockeye Production <b>Margot Stockwell</b> 129-7	Life History Pattern Diversity, Movements, and Habitat Use of Juvenile Coho Salmon in the Grays River Estuary, Washington State, USA <b>Bethany Craig</b> 116-6
<b>THURSDAY AM BREAK</b>	<b><u>Contributed Papers - Flow and Fish</u></b>			
<b>Moderator</b>	<b>Gary Barton</b>	<b>Kate I. Andrews</b>	<b>Jeffrey Fryer</b>	<b>Kim Jones</b>
10:15 AM	Differential Predation Risk in Juvenile Fish: Assessing the Role of Habitat and Turbidity in a Large River Ecosystem <b>Mike Dadrill</b> 131-1	Can Humans and Sturgeons Coexist: Linking Gulf Sturgeon Habitat Utilization and Human Development in Choctawhatchee Bay, Florida? <b>Katherine M. Fleming</b> 120-8	Use of PIT and Acoustic Tags to Estimate Survival of Adult Sockeye Salmon in the Okanagan Basin <b>Skyeler Folks</b> 129-8	Life History Diversity of Juvenile Coho Salmon and Its Contributions to Adult Returns in the Salmon River (Oregon) <b>Kim K. Jones</b> 116-7
10:30 AM	Status and Distribution of Colorado River Fishes in Grand Canyon, Arizona <b>Aaron J. Bunch</b> 131-2	Habitat Used by Juvenile Lake Sturgeon in the North Channel of the St. Clair River (Michigan, USA) <b>James Boase</b> 120-9	Sockeye Salmon Utilization of Restored Okanagan River Habitat, BC <b>Camille Rivard-Sirois</b> 129-9	Ecological Consequences of Rapid Life-History Evolution in Rainbow Trout <b>Corey C. Phillis</b> 116-8
10:45 AM	Hydraulic Impact on Fish Migration in a Sariakandhi Fish Pass of Bangladesh <b>Bijoy Kumar Ghosh</b> 131-3	Movements and Habitat Use of Juvenile Lake Sturgeon in the Namakan River of Northwestern Ontario <b>Cameron A. Trembath</b> 120-10	The Experimental Reintroduction of Sockeye Salmon into Skaha Lake <b>R. Howie Wright</b> 129-10	Life History Responses of <i>Oncorhynchus mykiss</i> to Selective Processes in Early Life <b>Matthew R. Sloat</b> 116-9
11:00 AM	Obligate Drift Feeding Behavior of Moapa Dace <i>Moapa coriacea</i> : a Drift Manipulation Experiment <b>Adam St Saviour</b> 131-4	Lake Sturgeon Movements Associated with Spawning in a Deepwater Great Lakes Connecting Channel <b>Ashlee Horne</b> 120-11	Potential Factors Responsible for Trends in Wenatchee and Okanagan Sockeye Salmon Abundance <b>Jeffrey K. Fryer</b> 129-11	Natural Resilience in Arctic Char: Life-History Alterations Along Gradients of Interspecific Interactions <b>Johan Hammar</b> 116-10
11:15 AM	Changes in Aquatic Ecology and Diversity After Construction of Hydro-Electric Power Projects on River Ganges in India <b>Ashish Thapliyal</b> 131-5	Factors Influencing the Coastal Movements of Atlantic Sturgeon in the Mid-Atlantic and Along the Eastern Seaboard of North America <b>Matthew W. Breece</b> 120-12	Use of PIT Technology to Estimate Sockeye Salmon Escapement in the Wenatchee River Basin <b>Joshua Murauskas</b> 129-12	Lack of Resilience? Evolutionary Hypotheses for an Apparently Maladaptive Life History in a Depleted Lineage of Atlantic Salmon <b>Dylan Fraser</b> 116-11
11:30 AM	Growth and Spatial Distribution of Fishes in Hydropeaking and Natural Rivers of Northern Ontario <b>Matthew J. Bond</b> 131-6	Determining the Feasibility of Tagging Age-0 Sturgeon to Evaluate Habitat Use Through Telemetry Efforts <b>Jennifer L. Johnson</b> 120-13	Yakima River Sockeye Restoration <b>Brian Saluski</b> 129-13	Salmonid Life Histories in Relation to River Complexity <b>Jack A. Stanford</b> 116-12
11:45 AM	Using Flow Events to Predict Chinook Salmon Emigration Patterns <b>Yvette J. Redler</b> 131-7	Acoustic Properties of Ultrasonic Coded Transmitters and the Behavioral Responses of Pinnipeds Exposed to Them <b>Michael A. Shane</b> 120-14	Restoring Sockeye Salmon to the Deschutes River Basin, Oregon <b>Jens Lovtang</b> 129-14	<b>Speed Presentations:</b> The Contribution of Diversity to the Return of Chinook Salmon in an Oregon Basin <b>Trevan J. Cornwell</b> 116-13  Influence of Migration Distance on the Expression of Anadromy in Steelhead <b>Haley Ohms</b> 116-14

Room	Washington State Convention Center - 608	Washington State Convention Center - 609	Washington State Convention Center - 611	Washington State Convention Center - 612
<b>THURSDAY, SEP. 8</b>	<b><u>Riverscapes: Synoptic, High-Resolution Mapping and Modeling of Biophysical Attributes and Interactions in Stream Environments</u></b>	<b><u>Advances in Hydroacoustic Assessment of Fish Populations Using Fixed Location Techniques</u></b>	<b><u>Fish Passage Restoration on Rivers and Streams</u></b>	<b><u>Ecosystem Modeling: Joint Modeling of Human Behavior and Fish Populations: Ecosystem Models to Address Fishery Management Needs</u></b>
<b>Moderator</b>	<b>Jim McKean; Dan Isaak</b>	<b>Debby Burwen</b>	<b>Dan Shively; Susan Wells</b>	<b>Eli Fenichel</b>
8:00 AM	Making Riverscapes Real <b>Patrice Carbonneau</b> 119-1	Acoustic Technology in Lake Norman, NC <b>Michael Abney</b> 108-1 Using DIDSON to Estimate Steelhead Escapement in a Small Coastal Stream <b>Kerrie Pipal</b> 108-2 Sonar Error Estimation <b>Suzanne Maxwell</b> 108-3	Restoring Stream Connectivity in the Machias River Watershed: A Cooperative, Watershed-Based Focus Area Approach to Salmonid Restoration on a Landscape Level <b>Steven Koenig</b> 126-1	Fishing Behavior and Fish Populations <b>Jan Jaap Poos</b> 124-1
8:15 AM		Fish Species Discrimination in Turbid Water: Possible with DIDSON Acoustic Shadows? <b>Manuel Langkau</b> 108-4 Estimating Salmon Flux Using DIDSON <b>George Cronkite</b> 108-5 Estimation of Distributions of Lateral Fish Lengths From DIDSON Images <b>Fiona Martens</b> 108-6	Native vs. Non-Native Species Considerations and Tradeoffs During Fish Barrier Restoration Planning <b>Michael K. Young</b> 126-2	Fisher Behavior on Reef Fish CPUE <b>Steven Saul</b> 124-2
8:30 AM	Understanding Salmon Life History Diversity at the River Landscape Scale <b>Brian P. Kennedy</b> 119-2	The Yukon River Border Sonar Program <b>Roger Dunbar</b> 108-7 Mixture Model Analysis for Species Apportionment of DIDSON Data <b>Steve Fleischman</b> 108-8 Estimating Chinook Salmon Passage in the Kenai River Using Sonar <b>Deborah Burwen</b> 108-9	Fish Passage Decision Support System: an Effective Tool for Planning Fish Passage Restoration at Multiple Geographic Scales <b>Jose Barrios</b> 126-3	Optimal Multispecies Harvesting in the Presence of a Nuisance Species <b>Stephen Kasperski</b> 124-3
8:45 AM	High Resolution, Low-Cost 3D Riverscape Mapping Using Field Photography <b>Mark A. Fonstad</b> 119-3	Sinusoidal Swimming: a Searching Checkmate of Fishes to the Transparent Zooplankton <b>Martin Cech</b> 108-10	Using Trout Unlimited Conservation Assessment Tools for Prioritizing Fish Passage Efforts <b>Joseph McGurinn</b> 126-4	Jointly Modeling Fish and Fishing in the Maine Lobster Fishery <b>Dan Holland</b> 124-4
9:00 AM	Remote Sensing River Floodplain Habitats <b>Richard Hauer</b> 119-4	Assessing Spawning Runs of Anadromous Fishes Using a Bayesian Analysis of Split-Beam and DIDSON Count Data <b>Michael W. Waine</b> 108-11	Building the Infrastructure for Large-Scale Connectivity Restoration in the Great Lakes Basin <b>Matthew Diebel</b> 126-5	Nets and Networks: Vessel Associations and Fishing Success <b>Darren Gillis</b> 124-5
9:15 AM	Stayers, Movers and Commuters: A PIT-Telemetry Study of Salmonid Movements in a Small Tributary of the Sainte-Marguerite River <b>Normand Bergeron</b> 119-5	Assessing Spawning Runs of Anadromous Fishes Using a Combination of Split-Beam and DIDSON Count Data <b>Jacob B. Hughes</b> 108-12	A Systematic Approach to Improve Passage at Dams Necessary for Recovery of Endangered Atlantic Salmon <b>Dan Kircheis</b> 126-6	ITQ Effects on Intraseasonal Fishing Behavior: An Investigation of the Bering Sea/Aleutian Island Crab Fisheries <b>Matthew Reimer</b> 124-6
9:30 AM	Spatial and Temporal Analysis of Chinook Salmon Redds from Aerial Surveys on the Cowlitz River, Washington <b>Katherine J. Murray Klett</b> 119-6	Development of a Sonar System to Enumerate Sockeye Salmon Smolt in Bristol Bay, Alaska <b>Donald Degan</b> 108-13	Dam Impact Analysis on Atlantic Salmon Recovery in the Penobscot River, Maine <b>Julie L. Nieland</b> 126-7	The Importance of Heterogeneous Angler Behaviour and Fish Life History for the Socially Optimal Management of Recreational Fisheries <b>Robert Arlinghaus</b> 124-7
<b>THURSDAY AM BREAK</b>				
<b>Moderator</b>	<b>Dan Isaak; Jim McKean</b>	<b>Suzanne Maxwell</b>	<b>Dan Shively; Susan Wells</b>	<b>Eli Fenichel</b>
10:15 AM	Use of a Riverscape Census to Evaluate the Influences of Space, Time and Environment on the Summer Habitat Selection and Distribution of Salmonid Species <b>John McMillan</b> 119-7	Fixed, Side-Aspect Acoustic Sampling of a Diverse Diadromous Fish Community in a Tidal River <b>Patrick J. Erbland</b> 108-14	Designing Replacement Tide Gates for Fish Passage in the Estuaries of the West Coast of the United States: A Heads Up for the Engineers <b>Larry Swenson</b> 126-8	Reconciling Contemporary Spatial Models of Recreational Fishing Site Choices and Endogenous Fishing Success <b>Frank Lupi</b> 124-8
10:30 AM	Modeling Site to Landscape Scale Hydrological Features Regulating River Temperatures <b>Allen Curry</b> 119-8	Salmon Escapement Monitoring in the Secesh River, Idaho, Using Dual Frequency Identification Sonar <b>Paul Kucera</b> 108-15	FCA Horizontal Fish Screen: A Novel Approach to Protect Fish While Reliably Diverting Surface Water <b>Les Perkins</b> 126-9	Merging Angler and Fish Behavior into Fisheries Models <b>Sean P. Cox</b> 124-9
10:45 AM	Spatio-Temporal Patterns in Stream Temperatures Across the Pacific Northwest <b>Russell N. Faux Jr.</b> 119-9	Comparison of DIDSON Sonar Based Estimates of Chinook Salmon Escapement with Other Methods <b>Daniel Rawding</b> 108-16	FishXing Software: A Tool for Evaluation and Design of Culverts for Fish Passage <b>Antonio Llanos</b> 126-10	Linking Empirical Modeling of Recreational Angler Behavior with Population Dynamics <b>Joshua Abbott</b> 124-10
11:00 AM	Climate Change, Fragmentation, and Habitat Resilience: Complex Effects on Headwater Trout <b>Keith H. Nislow</b> 119-10	Testing Assumptions at a Large Riverine Sonar Project Using Acoustic Tags <b>Bruce McIntosh</b> 108-17	Stream Simulation Design Electronic Learning System <b>Bob Gubernick</b> 126-11	The Performance of Quasi-Experimental BACI Studies of Fish Populations in Coupled Human-Environmental Systems <b>Marie Fujitani</b> 124-11
11:15 AM	New Techniques for Aquatic Habitat Modeling <b>Daniele Tonina</b> 119-11	Optimizing Bandwidth and Pulse Duration for Counting Small Fish <b>Gene R. Ploskey</b> 108-18	Culvert Streambed Designs in Alaska <b>William Rice</b> 126-12	The Effects of Regional Angling Effort, Angler Behavior, and Harvesting Efficiency on Landscape Patterns of Overfishing <b>Len Hunt</b> 124-12
11:30 AM	Longitudinal Patterns of Fine Sediment Infiltration, Fluvial Processes and the Distribution of Chinook Salmon Redds <b>Ryan S. Klett</b> 119-12	Monitoring Chinook and Steelhead Escapement on the Elwha River Using Imaging SONAR <b>Keith Denton</b> 108-19	Aquatic Organism Passage and Road-Stream Crossings: Synthesis and Guidelines for Development of Effectiveness Monitoring <b>Jason Dunham</b> 126-13	FishSET: A New Tool for Better Utilization of Fisher Location and Participation Choice Models in Fisheries Management <b>Alan Haynie</b> 124-13
11:45 AM	Spatial Variability of Coastal Cutthroat Trout Abundance and Lidar-Derived Channel Morphometry in Headwater Catchments <b>Jason Walter</b> 119-13	Can DIDSON Data Identify Species of Pacific Salmon? <b>Tim Mulligan</b> 108-20	Evaluation of Culvert Influences on Seasonal Movements of Juvenile Salmonids, Slikok Creek, Alaska <b>Jenny Cope</b> 126-14	Bioeconomic Models and the Allocation of Fish Stocks <b>Brad Gentner</b> 124-14

Room	Washington State Convention Center - 613	Washington State Convention Center - 614	Washington State Convention Center - 615	Washington State Convention Center - 616
<b>THURSDAY, SEP. 8</b>	<b><u>Long-Term Monitoring Strategies for Large River Systems</u></b>	<b><u>Science and Strategies for Conservation of Land and Stream Flows Through Acquisition, Exchange and Other Financial Incentives</u></b>	<b><u>Evaluating Effects of Sportfishing Regulations: What Have We Done and What Can We Do Better?</u></b>	<b><u>Electronic Frontiers in Fisheries Management - Log Books and Real Time Fishery Information Systems - Case Studies</u></b>
<b>Moderator</b>	<b>Tim Counihan</b>	<b>David Landsman</b>	<b>Mary Tate Bremigan</b>	<b>Benny Galloway; James Nance</b>
8:00 AM	The Long-Term Illinois River Fish Population Monitoring Program, 1957-2010 <b>Michael A. McClelland</b> 118-1	National Approaches to Acquisition and Decision Making: NOAA's Coastal and Estuarine Land Conservation Program <b>Elaine Vaudreuil</b> 127-1	Evaluating Effects of Sportfishing Regulations: Symposium Overview <b>Geoff Steinhart</b> 112-1	Implementation of an Electronic Logbook Program in the Gulf of Mexico Shrimp Fishery <b>James Nance</b> 125-1
8:15 AM	Developing and Maintaining a Long Term Monitoring Program on the Upper Mississippi River System <b>Barry Johnson</b> 118-2	A Framework for Climate Smart Coastal Restoration <b>Patty Glick</b> 127-2	From Your Wallet to Unwieldy: The Proliferation of Harvest Regulations in North America <b>Daniel A. Isermann</b> 112-2	Estimation of the Magnitude and Distribution of Fishing Effort in the Gulf of Mexico Shrimp Fishery <b>Benny Galloway</b> 125-2
8:30 AM	Development of a Long Term Monitoring Program from Data Collection to Information Delivery <b>Jennifer Sauer</b> 118-3	Restoration Planning and Acquisition in Light of Climate Change in the Northeast <b>Helen McMillan</b> 127-3	Lessons Learned from a Literature Review of Sportfishing Regulation Effects <b>Mary Bremigan</b> 112-3	Spatial Fishing Patterns Exhibited by Regional Shrimp Fishing Fleets in the Gulf of Mexico <b>Elizabeth Scott-Denton</b> 125-3
8:45 AM	Towards a Global Network of Great Rivers Partnership: How Biological Monitoring Helped Collaboration Between Yangtze and Mississippi Rivers <b>Yao Yin</b> 118-4	Adapting to Sea-Level Rise in the Northwest <b>Tom Dwyer</b> 127-4	Effectiveness of Regulations to Sustain Sport Fisheries Across Landscapes <b>John Post</b> 112-4	Geographic Delineation of Fishing Grounds for Brown, White, and Pink Shrimp in the Gulf of Mexico Based on Electronic Logbook and Landings Data <b>Rick A. Hart</b> 125-4
9:00 AM	Dynamic Monitoring of Fishery Resources in the Yangtze River <b>Daqing Chen</b> 118-5	Using Restoration and Conservation Connectivity to Build Climate Change Resilience into a Coastal Habitat Complex <b>Brian Boutin</b> 127-5	Effects of Regulations on Angler Dynamics in Wisconsin <b>Jonathan Hansen</b> 112-5	The Royal Red Shrimp Fishery of the Gulf of Mexico <b>James Nance</b> 125-5
9:15 AM	The Glen Canyon Dam Adaptive Management Program: Monitoring Progress <b>Theodore S. Melis</b> 118-6	Tracking Fisheries Use of Newly Restored Salt Ponds in San Francisco Estuary <b>Renee Spenst</b> 127-6	Utility of Regulations for Managing Fish with Contrasting Life Histories and Angler Behavior <b>Mike Allen</b> 112-6	Planning for National Marine Sanctuaries in the Gulf of Mexico: Reducing User Conflicts Using Electronic Logbooks <b>Will Heyman</b> 125-6
9:30 AM	54 Years of Monitoring and Assessing Ohio River Fish Populations <b>Jeff Thomas</b> 118-7	A Case Study of Multiple Benefits: Achieving Greater Conservation Outcomes by Integrating Ecosystem and Socio-Economic Resilience to Climate Change in a Puget Sound River Delta Conservation Project <b>Roger Fuller</b> 127-7	Evaluating the Efficacy and Consistency of Management Regulations in US Marine Recreational Fisheries <b>Brett T. van Poorten</b> 112-7	Patterns of Shrimp Fishing Intensity in Relation to Offshore Oil and Gas Platforms and Artificial Reefs in the Gulf of Mexico <b>Kyle McCain</b> 125-7
<b>THURSDAY AM BREAK</b>				
<b>Moderator</b>	<b>Tim Counihan</b>	<b>Julie Nygard</b>	<b>Geoff Steinhart</b>	<b>Benny Galloway; James Nance; Gil Sylvia</b>
10:15 AM	A Summary of Current Fish Tissue Contaminant Levels on the Mainstem Ohio River <b>Rob Tewes</b> 118-8	Acquisition, Restoration and Protection as Conservation Tools in the Puget Sound <b>Morgan Schneider</b> 127-8	Efficacy of Life-History Based Classes for Lake Trout in Setting Sportfishing Regulations <b>Brian J. Shuter</b> 112-8	Impacts of the Deepwater Horizon Oil Spill on Gulf of Mexico Shrimping Effort <b>Scott Raborn</b> 125-8
10:30 AM	Understanding Habitat Needs for Pallid Sturgeon with Long Term Telemetry Studies in the Lower Missouri River <b>Brandon McElroy</b> 118-9	Realigning the Fundamentals of Growth to Support Puget Sound Fisheries Habitat <b>Michelle Connor</b> 127-9	Opening a Spring Catch-and-Release Bass Season in New York: Using Available Information When Real Science Can't Help <b>James R. Jackson</b> 112-9	Penaeid Shrimp Harvest in Inshore Mississippi Waters by Out-of-State and Local Fishers <b>John Cole</b> 125-9
10:45 AM	The Evolution of Salmon Monitoring and Assessment on the Yukon River <b>Kathrine G. Howard</b> 118-10	The Nexus Between Land and Water Conservation <b>Amanda Cronin</b> 127-10	CIR Regulations and Practices <b>Cory D. Suski</b> 112-10	A Description of Penaeid Shrimp Fishing Intensity Pattern for the Gulf of Mexico Continental Shelf <b>Shinichi Kobara</b> 125-10
11:00 AM	Bigheaded Carp Invasion and Long Term Monitoring <b>Kevin S. Irons</b> 118-11	Bridging the Chasm Between Land and Water Conservation <b>Mary Ann King</b> 127-11	The Potential of Harvest Regulation to Mitigate Recreational Fishing-Induced Selection on Multiple Life-History Traits <b>Shuichi Matsumura</b> 112-11	Effect of Shrimp Fishing Effort on Juvenile Red Snapper Bycatch in the Gulf of Mexico <b>William Gazey</b> 125-11
11:15 AM	Applications of the Columbia River Estuary Ecosystem Classification to Monitoring and Salmon Recovery <b>Charles A. Simenstad</b> 118-12	Coho Survival and Stream Flow: How Much Water Do Coho Need in California Streams? <b>Mariska Obedzinski</b> 127-12	Angler Education and Voluntary Changes in Angler Behaviour <b>Steven J. Cooke</b> 112-12	Advancing Electronic Fishery Information Systems: The Third Revolution in Fishery Management <b>Gil Sylvia</b> 125-12
11:30 AM	Monitoring Methods: an on-Line Tool for Helping Practitioners Find the Best Techniques for Monitoring Large Rivers <b>Jacque Schei</b> 118-13	Instream Flow, Climate Change, and Juvenile Chinook Salmon <b>Annika Walters</b> 127-13	Panel Discussion	Implementation of Electronic Fisher Logs: The Australian Perspective <b>Bob Stanley</b> 125-13
11:45 AM	Estimating Abundance for Management of Yukon River Salmon Harvest and Escapement <b>Bruce McIntosh</b> 118-14	A National, Market-Based Approach to Streamflow Restoration <b>Todd Reeve</b> 127-14		Fisheries and Oceans Canada Electronic Reporting Initiatives <b>Ron Goruk</b> 125-14

Room	Washington State Convention Center - 617	Washington State Convention Center - 618	Washington State Convention Center - 619	Washington State Convention Center - 620
<b>THURSDAY, SEP. 8</b>	<b><u>Northern Exposure: The Ecology and Conservation of Charr Species</u></b>	<b><u>Advances in Coastal Atlases, Habitat Mapping, and Habitat Assessment Science to Support Fisheries and Ecosystem Decisions</u></b>	<b><u>Biology and Management of Walleye and Sauger: Status and Needs</u></b>	<b><u>Realistic Goals for Restoration in Great Lakes and Pacific Coast Ecosystems</u></b>
<b>Moderator</b>	<b>Robert-AI Chokhachy</b>	<b>Cindy Hartmann Moore</b>	<b>Bruce Barton</b>	<b>Russ Strach</b>
8:00 AM	Factors Influencing the Distribution of Bull Trout and Westslope Cutthroat Trout West of the Continental Divide in Glacier National Park <b>Vin D'Angelo</b> 113-1	Overview of ShoreZone Coastal Habitat Mapping <b>Mandy R. Lindeberg</b> 121-1	A Phylogenetic Analysis of the Percidae Using Osteology <b>John C. Bruner</b> 122-1	Great Lakes Fisheries Ecosystems – Yearning for the Good Old Days within the Realities of Tomorrow <b>William W. Taylor</b> 128-1
8:15 AM	A Comparative Perspective on Bull Trout from a Charr Fanatic <b>David L. G. Noakes</b> 113-2	ShoreZone Habitats in Alaska, British Columbia and Washington <b>Mary C. Morris</b> 121-2	Molecular Phylogenetics and Hybridization of <i>Sander</i> : Implications for Effective Management <b>Brian L. Sloss</b> 122-2	California's Approach to Restoring and Recovering Salmon and Steelhead <b>John McCamman</b> 128-2
8:30 AM	Effects of Substrate Size, Hyporheic Flow, and Spawning Site Selection on Bull Trout Egg and Alevin Survival <b>Tracy Bowerman</b> 113-3	Nearshore Habitat Classification <b>John Harper</b> 121-3	Walleye Population Genetics in the Great Lakes <b>Chris Wilson</b> 122-3	Establishing Goals for Pacific Salmon Habitat Restoration: What's Good Enough? <b>Churchill Grimes</b> 128-3
8:45 AM	Life History and Demographic Characteristics of Bull Trout in Mill Creek (Walla Walla Subbasin) <b>Philip Howell</b> 113-4	A Spatial Representation of the Nearshore Ecosystem for Species-Habitat Studies <b>Edward J. Gregr</b> 121-4	Spatial and Temporal Genetic Patterns Among Walleye Spawning Groups: A Fine-Scale Analysis in Lake Erie <b>Carol A. Stepien</b> 122-4	An Ecosystem Perspective on Re-Establishing Native Deep-Water Fishes in the Laurentian Great Lakes <b>Charles C. Krueger</b> 128-4
9:00 AM	Terrestrial prey subsidy mediated by parasites <b>Takuya Sato</b> 113-5	Using High Resolution Change Data with Existing Spatial Information to Observe Trends in Coastal Development <b>Kenneth Pierce</b> 121-5	Understanding Seasonal Food Habits and Growth of Age-0 Walleyes with the Use of Stable Isotope Analysis <b>Chris Uphoff</b> 122-5	Characterizing Historical Offshore Fish Communities in the Upper Laurentian Great Lakes <b>Stephen C. Riley</b> 128-5
9:15 AM	Development and Validation of a Bioenergetics Model for Bull Trout <b>Matthew G. Mesa</b> 113-6	Moving Towards a National Standard for Marine Habitat Classification <b>Garry F. Mayer</b> 121-6	Foraging Patterns of Walleye and Sauger as Revealed by Stable Isotope Analysis <b>Mark J. Fincel</b> 122-6	Re-Establishing Lake Trout in the Laurentian Great Lakes: The Past, Present, and Future <b>Michael J. Hansen</b> 128-6
9:30 AM	Use of Genetic Markers to Aid in Re-Establishing Connectivity in a Metapopulation of Bull Trout <b>Joseph M. DosSantos</b> 113-7	Framework for Describing Groundfish Habitat Information for the Gulf of Alaska and Aleutian Islands <b>Mark Zimmermann</b> 121-7	Evaluating the Effects of Rainbow Smelt on Larval Walleye Densities and Bioenergetics in Wisconsin Inland Lakes <b>Kevin N. McDonnell</b> 122-7	Goals for Sustaining Coho Salmon in N. California: A Foundation's Perspective <b>James R. Sedell</b> 128-7
<b>THURSDAY AM BREAK</b>				
<b>Moderator</b>	<b>Tracy Bowerman</b>	<b>Cindy Hartmann Moore</b>	<b>Bruce Barton</b>	<b>Stephen Riley</b>
10:15 AM	Landscape Effects on the Distribution of Brook Trout at the Southern Margin of Their Natural Range <b>Mark Hudy</b> 113-8	Introducing the International Coastal Atlas Network <b>Kathy Taylor</b> 121-8	The Effect of Growing Degree Days on Walleye Growth, Reproduction and Mortality Rate <b>Nigel P. Lester</b> 122-8	Estimating How Much Restoration Is Needed to Achieve Salmon Restoration and Recovery Goals <b>Philip Roni</b> 128-8
10:30 AM	Evolution in Dolly Varden Across Geographic Scales <b>Carl O. Ostberg</b> 113-9	Maryland's Coastal Atlas - Tools for Resource Management <b>Chelsie Papiez</b> 121-9	Explaining First Year Growth and Survival of <i>Sander</i> spp. Using Historical Data Analysis <b>Jahn L. Kallis</b> 122-9	The Elwha Dam Removal: Aquatic Ecosystem Restoration <b>George R. Pess</b> 128-9
10:45 AM	Genetic Assignment Tests and the Dispersal Behavior of Baffin Island Arctic Charr <b>Jean-Sébastien Moore</b> 113-10	Informing Shoreline and Marine Resource Planning and Management through the Washington Coastal Atlas <b>Kathy Taylor</b> 121-10	Walleye Fecundity in Time and Space: A Four-Year Evaluation on Four Minnesota Lakes <b>Daniel A. Isermann</b> 122-10	Footprints or Blueprints? The Role of Genetics in Setting Recovery Goals <b>Ken Currens</b> 128-10
11:00 AM	What Movements and Genetic Relationships Tell Us About Connectivity of Habitat and Bull Trout Spawning Populations <b>Brady Allen</b> 113-11	The Oregon Coastal Atlas and MarineMap: Supporting Marine Conservation by Enhancing Stakeholder Participation and Involvement in Decision Making Processes <b>Andy Lanier</b> 121-11	Potential Factors Limiting Recruitment of Walleye and Yellow Perch in Saginaw Bay, Lake Huron: A Modeling Exercise <b>Lori Ivan</b> 122-11	Developing Realistic Recovery Goals for Salmonids in California <b>Scott Hill</b> 128-11
11:15 AM	Polymorphism or Ecological Speciation?: Ecotype Variation in Charrs in the Canadian Arctic <b>Ross Tallman</b> 113-12	Discover the Ichthyofauna in Shallow-Water, Marine Habitats of Alaska: an Online Fish Atlas <b>Scott W. Johnson</b> 121-12	Evaluation of Protected Slot Limits for Walleye on Two Large Lakes in Minnesota <b>Donald Pereira</b> 122-12	Synthesizing Cisco and Bloater Research in the Upper Great Lakes to Assist Reintroduction Efforts in Lake Ontario <b>David B. Bunnell</b> 128-12
11:30 AM	Evaluating the Genetic Impact of Stocking on Brook Charr ( <i>Salvelinus fontinalis</i> ) by Means of SNP Population Genomics <b>Fabien Lamaze</b> 113-13	Mapping and Monitoring Floating Kelp Canopies in Washington State <b>Helen Berry</b> 121-13	Natural Mortality in Relation to Age and Fishing Mortality on Walleye in Escanaba Lake, Wisconsin, During 1956–2009 <b>Michael J. Hansen</b> 122-13	The Ecological Basis for Fish Habitat Restoration in the Huron-Erie Corridor <b>Darryl Hondorp</b> 128-13
11:45 AM	Bull Trout Translocations <b>Chris Allen</b> 113-14	<b>Speed Presentations:</b> Now on Web: Alaska ShoreZone Database of Intertidal Shore Stations <b>Susan M. Saupe</b> 121-14  Alaska Regional Office's Web Portal to Coastal Imagery and Habitat Mapping <b>Mandy R. Lindeberg</b> 121-15  Translation of ShoreZone Attribute Data to Coastal and Marine Ecosystem Classification Standard (CMECSvIII) Data Format <b>Cindy Hartmann Moore</b> 121-16	Longitudinal Trends in Walleye and Sauger Population Dynamics in the Upper Ohio River <b>Richard D. Zweifel</b> 122-14	Salmon at the Edge: Adapting Ecosystem Conservation Programs Using Experiences from California's Central Valley Project <b>Joshua Israel</b> 128-14

Room	Washington State Convention Center - 3A	Washington State Convention Center - 3B	Washington State Convention Center - 401	Washington State Convention Center - 4C-1
<b>THURSDAY, SEP. 8</b>	<b><u>Cognitive, Sensory, and Behavioral Frontiers Exploring Fish Movement and Habitat Use</u></b>	<b><u>Conservation Genetics and Genomics in Fisheries, Part 2</u></b>	<b><u>Stocking Conservation Issues: Integrative Methods In Recreational Fisheries: Science and Policy of Fish Propagation, Part 2</u></b>	<b><u>Using Hydroacoustic Telemetry to Understand Movement and Ecology of Critical Species</u></b>
<b>Moderator</b>	<b>Bertrand Lemasson</b>	<b>Jim Seeb</b>	<b>Tom Flagg; Jim Bowker</b>	<b>Anna Kagley</b>
1:15 PM	Using Two-Dimensional Telemetry to Track Fish Response to Habitat Features for Evaluating Bank Design Alternatives <b>Brian M. Mulvey</b> 114-15	Positive Darwinian Selection in the Mitochondrial Genome of Pacific Salmon <b>Michael Garvin</b> 115-15	Hatchery Reform: Reducing Risk of Cumulative Impact of Hatchery Fish on Wild Fish in the Columbia River Estuary <b>Brian Allee</b> 130-13	Telemetry and the Study of Aquatic Animals <b>Thomas Quinn</b> 137-1
1:30 PM	Hydraulic Features of Engineering Log Jams and Their Influence on Salmonid Behavior <b>Desiree Tullos</b> 114-16	RAD Sequencing for Conservation Genomics <b>Paul A. Hohenlohe</b> 115-16	Snake Basin Hatchery and Harvest Management Coordination: A Tool for Building Consensus <b>Becky Johnson</b> 130-14	Movements of Chinook Salmon throughout Puget Sound <b>Anna N. Kagley</b> 137-2
1:45 PM	Hydrologic Correlates of Activity in Bull Trout in a Large River <b>Mark K. Taylor</b> 114-17	Sequencing Salmonid Genomes Using Next Generation Technologies <b>Michael R. Miller</b> 115-17	Hatchery Reform Implementation in Washington State <b>Heather Bartlett</b> 130-15	Thermoregulation by Maturing Chinook Salmon in Marine, Estuary, Lake and Tributary Habitats <b>Fred Goetz</b> 137-3
2:00 PM	Quantifying Behaviour of Migratory Fish: Application of Signal Detection Theory (SDT) to Fish Passage Research <b>Paul S. Kemp</b> 114-18	Sequencing, Assembly, Expressed Sequence Tags and Microsatellite Loci for Three Freshwater Mussel Genomes: <i>Alasmidonta heterodon</i> , <i>A. varicosa</i> and <i>Elliptio complanata</i> <b>Eric Hallerman</b> 115-18	Mass Marking and Selective Harvest Techniques for Conservation and Sustainable Fisheries <b>Steve Smith</b> 130-16	Movement Patterns of Sub-Adult Coho Salmon In Puget Sound <b>Jessica Rohde</b> 137-4
2:15 PM	Physiological Drivers of Adult Salmon Migrations and Consequences of Different Migration Behavior <b>Scott G. Hinch</b> 114-19	Signatures of Natural Selection Among Lineages and Habitats in <i>Oncorhynchus mykiss</i> <b>Morten T. Limborg</b> 115-19	Co-existence of Intensive Hatchery Salmon Harvest and Recovery of Naturally-Produced Stocks in the Columbia River Basin. <b>Geoffrey Whisler</b> 130-17	Movement of Chinook Salmon in Hood Canal <b>Joshua Chamberlin</b> 137-5
2:30 PM	Spatial Distribution of Sea Lampreys During Riverine Spawning Migration <b>Chris Holbrook</b> 114-20	Testing the Power of SNPs for Parentage Based Tagging of Snake River Hatchery Steelhead <b>Craig A. Steele</b> 115-20	Use of Hatchery Stocks to Reintroduce Extirpated Columbia River Coho Salmon <b>Peter Galbreath</b> 130-18	When is Recruitment Determined in the Marine Life History of Salmon? -- Current Evidence From the POST Array <b>David Welch</b> 137-6
2:45 PM		Conservation Genetics and Genomics in Fisheries: Symposium Wrap-up <b>Jim Seeb</b> 115-21	Post-release Performance of a New Steelhead Line Derived from Hatchery Parents Collected by Angling in Northeast Oregon <b>Richard W. Carmichael</b> 130-19	Bull Trout Movement In Skagit Bay <b>Mike Hayes</b> 137-7
<b>THURSDAY PM BREAK</b>	<b><u>Contributed Papers- Yellow Perch</u></b>	<b><u>Contributed Papers - Fisheries Management</u></b>		
<b>Moderator</b>	<b>Justin A. VanDeHey</b>	<b>Lori Martin</b>	<b>Tom Flagg; Jim Bowker</b>	<b>Kelly Andrews</b>
3:30 PM	Modified Landscapes and Aquatic-Terrestrial Invertebrate Fluxes: Implications for Riverine Food Webs <b>Adam R. Kautza</b> 143-1	Development of the Geoduck Fishery Management in Southeast Alaska <b>Janet M. Rumble</b> 138-2	An Evaluation of a Fall/Spring Volitional Release Strategy for Hatchery Spring Chinook Salmon <b>David Hand</b> 130-20	Long-Term Horizontal and Vertical Movement Patterns of Yellow Snapper ( <i>Lutjanus argentiventris</i> ) and Leopard Grouper ( <i>Mycteroperca rosacea</i> ) At a Spawning Aggregation Site and No-Take Marine Reserve, Los Islotes, Gulf of California <b>Thomas C. TinHan</b> 137-8
3:45 PM	Influence of Spawning Phenology and Predation on Yellow Perch Reproduction and Recruitment in South Dakota <b>Justin A. VanDeHey</b> 143-2	Tropical Cyclone Effects on Fish Stocks and Fisheries in the Florida Keys <b>Adyan Rios</b> 138-3	Performance of Spring Chinook Salmon Reared in Acclimation Ponds for Two and Four Months Before Release <b>Lance R. Clarke</b> 130-21	Putting Utilization Distributions to Good Use: a Novel Application of Static Interaction Modeling to Assess Space Use by White Sturgeon <b>Michael J. Parsley</b> 137-9
4:00 PM	Morphological Discrimination of Yellow Perch Stocks in Lake Erie <b>Patrick M. Kocovsky</b> 143-3	Migration and Management of Caribbean Amphidromous Fishes <b>William E. Smith</b> 138-4	Peeking at Gonads. The Use of Ultrasound in a Snake River Spring Chinook Salmon Captive Broodstock Program. <b>W. Carlin McAuley</b> 130-22	Fine Scale Horizontal and Vertical Movement Patterns of Barred Sand Bass, <i>Paralabrax nebulifer</i> , On a Known Spawning Ground <b>Megan McKinzie</b> 137-10
4:15 PM	Morphometric Differences of Yellow Perch within Management Unit 2 in Central Lake Erie <b>Carey Knight</b> 143-4	An Exposure-Response Approach for Assessing Bottom Trawl Impacts on the Composition and Function of Epibenthic Communities in Northern Hecate Strait, B.C <b>Chantelle Caron</b> 138-5	Toward Conceptualizing the Whole: Observing Aquatic Species in Their Natural Habitat <b>Mary Edwards</b> 130-23	Site Fidelity and Movement of Hatchery-Reared Lingcod In Puget Sound <b>Jonathan S.F. Lee</b> 137-11
4:30 PM	Spawning Distributions of Lake Erie Yellow Perch and Potential Impacts on Year Class Strength <b>Ann Marie Gorman</b> 143-5	Using Marine Reserves to Estimate Natural and Fishing Mortality <b>Jono R. Wilson</b> 138-6		Movement of Dungeness Crab in Response to Hypoxia <b>Halley Nelson</b> 137-12
4:45 PM	Yellow Perch Recruitment Dynamics in a Coastal Lake of Lake Michigan <b>Yakuta Bhagat</b> 143-6	Balancing Change and Tradition: Fishery Management at Rifle Gap Reservoir in Northwest Colorado <b>Lori M. Martin</b> 138-7		Using California Halibut Abundance and Behavior to Evaluate Ecosystem Recovery in a Restored Southern California Estuary <b>Carrie Espasandin</b> 137-13
5:00 PM	Lake Erie Larval Yellow Perch Predation: a Molecular Genetic Approach <b>Lucia Carreon-Martinez</b> 143-7			Fish Movement and Its Relation to Marine Spatial Management Strategies: What Have We Learned? <b>Kelly Andrews</b> 137-14

Room	Washington State Convention Center - 4C-2	Washington State Convention Center - 4C-3	Washington State Convention Center - 4C-4	Washington State Convention Center - 602
<b>THURSDAY, SEP. 8</b>	<b><u>Nature and Nurture: Local Adaptation, Life History Diversity, and Salmonid Conservation</u></b>	<b><u>Can Aquatic Resources Survive Global Climate Change and Humanity's Best Intentions?, Part 2</u></b>	<b><u>Oil Spill Impacts to Marine Fisheries: Exxon Valdez to Deepwater Horizon</u></b>	<b><u>Incorporating Genetic Data Into Population Introduction Programs</u></b>
<b>Moderator</b>	<b>John Piccolo</b>	<b>Bob Gresswell</b>	<b>Amy Alford</b>	<b>Christian Smith</b>
1:15 PM	The Role of Ecological Research In the Future of Salmonid Conservation <b>John Piccolo</b> 135-1	Ranking Resiliency of Brook Trout Populations to Climate Change <b>Mark Hudy</b> 123-17	City, County, and State Methods to Protect Mississippi Bayous, Estuaries, and Marine Fisheries During the Deepwater Horizon Oil Spill <b>Joseph Pursley</b> 117-14	Single- and Multi-Generational Genetic Assessment of Source Contributions and Comparative Fitness <b>Chris Wilson</b> 134-1
1:30 PM		Predicted Impacts of Climate Change on Stream Habitat and Brook Trout Populations in the Eastern US <b>Tyrell Deweber</b> 123-18	The Natural Resource Advisor Program: an Innovative Approach to Protect Natural and Cultural Resources During the Deepwater Horizon Oil Spill Response <b>Alicia (Ali) Wick</b> 117-15	Reintroduction of Spring-Run Chinook Salmon to the San Joaquin River: Genetic Evaluation of Donor Stocks and Breeding Strategies <b>John Carlos Garza</b> 134-2
1:45 PM	Evolutionary Dynamics of Brown Trout In Small Streams <b>L. Asbjørn Vøllestad</b> 135-2	Potential Effects of Climate Change on Growth of Smallmouth Bass in Streams of the Central U.S <b>Allison A. Pease</b> 123-19	Laboratory Exposures to Dispersed Oil in Fish, Shrimp and Crabs <b>Nancy J. Brown-Peterson</b> 117-16	Oregon Chub Introductions <b>Patrick DeHaan</b> 134-3
2:00 PM	Climate Induced Genetic and Phenotypic Change In a Population of Pink Salmon <b>Ryan P. Kovach</b> 135-3	Assessing the Impact of Climate and Land-Use Changes on Midwest River Systems <b>Damon Krueger</b> 123-20	Toxicological Impacts of Oil on Blue Crab ( <i>Callinectes sapidus</i> ) Megalopae Following the Deepwater Horizon Oil Spill <b>Richard S. Fulford</b> 117-17	Genetic Data Inform Reintroduction and Experimental Hybridization of Coho Salmon In Central California <b>Elizabeth A. Gilbert-Horvath</b> 134-4
2:15 PM	Determining the Scale of Local Adaptation in Atlantic Salmon Using a Common Garden Experimental Approach <b>Ciar O'Toole</b> 135-4	Vulnerability of River Systems to Climate Changes Across the Conterminous United States <b>Yin-Phan Tsang</b> 123-21	Response of Fish Assemblages in Southeastern Louisiana to the Deepwater Horizon Oil Spill and Subsequent Spill Prevention Measures with an Emphasis on Lemon Shark Nursery Habitats <b>Patrick W. Smith</b> 117-18	Translocated Populations and Their Role In Lahontan Cutthroat Trout Recovery Strategies: a Tale of Three Watersheds <b>Mary Peacock</b> 134-5
2:30 PM	Applying Results of Studies On Diversity, Population Differentiation and Extinction Risk to Conserve Sakhalin Taimen <b>Peter S. Rand</b> 135-5	Implications of Climate Change for Okanagan Basin Water Availability and Salmonid Restoration Planning <b>Kim Hyatt</b> 123-22	Monitoring Oil on Gulf Wetlands After Deepwater Horizon <b>Matthew E. Andersen</b> 117-19	Using Patterns of Genetic Diversity to Detect the Signal of Supplemental and Restorative Stocking Among Native Brook Trout Populations <b>Tim L. King</b> 134-6
2:45 PM	Spreading the Risk: Trout Management in a Warmer and Less Certain Future <b>Jack E. Williams</b> 135-6	Local Climate Change: The Methow Watershed <b>Lee Hatcher</b> 123-23	Prolonged Freshwater Exposure and Its Immediate and Long-Term Effects on Eastern Oyster ( <i>Crassostrea virginica</i> ) Populations in Breton Sound, Louisiana <b>Benjamin S. Eberline</b> 117-20	Genetic Variation in and among Populations of Non-Native Brook Trout in Idaho: The Ghost of Introductions Past <b>Helen Neville</b> 134-7
<b>THURSDAY PM BREAK</b>			<b>Contributed Papers - Statistics, Modeling, and Stock Assessment, Part 2</b>	
<b>Moderator</b>	<b>John Piccolo</b>	<b>Rachel Reagan</b>	<b>Teresa M. Ferreira</b>	<b>Patrick DeHaan</b>
3:30 PM	Mechanisms of Imprinting and Homing Migration in Salmon <b>Hiroshi Ueda</b> 135-7	Indirect Effects of Climate Change on Stream-Riparian Ecosystems: a View on Forest, Fire, and Flow Dynamics from Idaho's Salmon River Basin <b>Colden V. Baxter</b> 123-24	Evaluating the Evolutionary Implications of Natural and Anthropogenic Selection with Predictive Individual-Based Modeling <b>Curry Cunningham</b> 139-1	Demographic and Genetic Consequences of Permitting Captively Bred Chinook Salmon to Colonize Following Modification of An Impassable Dam <b>Joe Anderson</b> 134-8
3:45 PM	Skeena River Steelhead as a Model for Characterizing Intra-Specific Diversity in Anadromous Salmonids <b>Sue Pollard</b> 135-8	Linking Physical & Biological Models of Climate Change--Yakima River <b>Alec G. Maule</b> 123-25	Disentangling the Role of Environmental Effects on Fishery-Independent Survey Estimates and Stock-Recruit Relationships <b>David Eggleston</b> 139-2	Reproductive Success of Founders In a Slimy Sculpin Reintroduction Program <b>Loren M. Miller</b> 134-9
4:00 PM	Shifting Conservation Perspectives of Local Adaptation along the Continuum From Population Declines to Population Reintroductions <b>Dylan Fraser</b> 135-9	Where a River Takes You: Climate Change Effects on the Social Values of Aquatic Systems <b>Jessica Montag</b> 123-26	Comparison of Management Benchmarks Resulting from Single- and Aggregated Species Stock-Production Models <b>Melissa Hedges Monk</b> 139-3	Genetic Analysis of Atlantic Salmon Natural Reproduction In Hobart Stream, Maine <b>Meredith Bartron</b> 134-10
4:15 PM	Spawning Redds of Brown Trout In Geologically Different Streams <b>Günther Unfer</b> 135-10	Climate Change in a First Foods Context <b>Eric J. Quaepts</b> 123-27	Bayesian Estimation of Population-Specific Snake River Adult Escapement Based on PIT Tag Data and Window Counts <b>Brice Semmens</b> 139-4	A Simulated Reciprocal Transplant Experiment: Local Adaptation In Reintroduced Populations of a Native North American Fish <b>David D. Huff</b> 134-11
4:30 PM	Finding Evidence for Local Adaptation In Atlantic Salmon and Brown Trout: Using a Common Garden Experimental Approach In the Wild <b>Phillip McGinnity</b> 135-11	Confluence of Conservation and Local Community Planning on Aquatic Climate Adaptation <b>Brian R. Barr</b> 123-28	Comparing the Performance of Classification Methods Used in Fisheries <b>Cynthia Jones</b> 139-5	Conservation Genetics of Owens Pupfish <b>Mandi Finger</b> 134-12
4:45 PM	Is Collaborative Research Between Fishery Managers and Scientists Effective to Conserve Native Brown Trout Populations? <b>Arnaud Caudron</b> 135-12	Movements and Densities of Pack Ice Narwhals <b>Kristin Laidre</b> 123-29	Predictive Accuracy of Fish Response to Two-Dimensional Modeling Using Field Data <b>Teresa M. Ferreira</b> 139-6	The Genetic Legacy of Reintroduced Green Bay Muskellunge <b>Brian L. Sloss</b> 134-13
5:00 PM	Salmon Hatchery Management Given Selection In Captivity and Assortative Mating: Make Them Different or Keep Them Similar? <b>Marissa Baskett</b> 135-13	What Do Native Peoples Stand to Lose as a Result of Climate Change? <b>Terry Williams</b> 123-30	Incorporating Predation and Temperature into Multi-Species Statistical Catch-At-Age Models for the Bering Sea <b>Kirstin Holsman</b> 139-7	Tracing Aquatic Introductions and Assessing the Genetic Changes From the Source: a Case Study Investigating the Origins of New Zealand Rainbow Trout <b>John Carlos Garza</b> 134-14



Room	Washington State Convention Center - 603	Washington State Convention Center - 604	Washington State Convention Center - 606	Washington State Convention Center - 607
<b>THURSDAY, SEP. 8</b>	<b><u>Contributed Papers - Flow and Fish</u></b>	<b><u>Contributed Papers - Sampling, Tagging, Tracking, and Recording Methods, Part 2</u></b>	<b><u>Sockeye on the Brink-Can Good Fisheries Management Maintain and Restore Sockeye Stocks in the Pacific Northwest?</u></b>	<b><u>Salmonid Population Resilience</u></b>
<b>Moderator</b>	<b>Gary Barton</b>	<b>Alison Colotelo</b>	<b>Jeffrey Fryer</b>	<b>Charles Simenstad</b>
1:15 PM	What Ten Years of Columbia River Data Tells Us About Causes of Fish Stranding <b>Robyn L. Irvine</b> 131-8	Eliminating Bias in the Study of Barotrauma Associated with Passage Through Hydroturbines Using a Novel Transmitter Design <b>Brett Pflugrath</b> 120-15	Riverine Sockeye Salmon in Puget Sound <b>Hal Michael Jr.</b> 129-15	Temperature-Associated Population Diversity in Salmon Confers Benefits to Mobile Consumers <b>Casey Ruff</b> 116-15
1:30 PM	Assessing the Skill of Hydrology Models at Simulating the Water Cycle in the HJ Andrews LTER: Assumptions, Strengths and Weaknesses <b>Jeremiah Osborne-Gowey</b> 131-9	Insights on Mortality Vectors Using Acoustic Telemetry: A Case Study with Atlantic Salmon Smolts <b>Edmund A. Halfyard</b> 120-16	Sockeye Populations of the Elwha River - Implications for Recovery <b>Pat Crain</b> 129-16	Partial Migration in Salmonids: Environmental Controls and Resilience <b>Christian E. Zimmerman</b> 116-16
1:45 PM	Idaho Water to Benefit Fish: The Lemhi River Minimum Stream Flow and Water Supply Bank <b>James Capurso</b> 131-10	Investigating an Inshore Spawning Group of Atlantic Cod Using Acoustic Telemetry <b>Douglas Zemeckis</b> 120-17	Hot or Not: Early Development Thermal Reaction Norms among Sockeye Salmon Populations <b>Charlotte K. Whitney</b> 129-17	Southeast Alaska Salmon Life History Strategies and Habitats That Provide Species Resilience <b>K V. Koski</b> 116-17
2:00 PM	The Ecology of Juvenile Steelhead Rearing in an Intermittent Stream: The Influence of Flow Disruption on Growth, Survival, and Movement <b>Jason L. Hwan</b> 131-11	Monitoring Fish Response to Habitat Creation Using Acoustic Telemetry <b>Nicolas W. R. Lapointe</b> 120-18	The Effects of Elevated Water Temperature on Adult Sockeye Salmon Blood Properties and Gene Expression <b>Ken M. Jeffries</b> 129-18	Diversity in Estuarine Habitat Utilization by Puget Sound Salmon Juveniles: Variability within and Between Species, Populations and River Systems <b>Kurt Fresh</b> 116-18
2:15 PM	Too Much Water?: Coupled Climate Change-Hydropower Reservoir Releases Impact Stream Hydrogeology and Salmonid Populations in the Bear River Valley, California <b>Jessica Strickland</b> 131-12	Quantifying Delayed Post-Release Mortality in the Gulf of Mexico Recreational Red Snapper Fishery Using Acoustic Telemetry <b>Judson M. Curtis</b> 120-19	Effect of Facilitated Recovery and Water Temperature on Capture-Release Survival and Sub-Lethal Responses of Sockeye Salmon <b>Kendra A. Robinson</b> 129-19	Contributions of Juvenile and Adult Life History Diversity for Improving Resilience in Anadromous Salmon Populations <b>Correigh Greene</b> 116-19
2:30 PM	Evaluation of Potential Impacts of a Flood Storage Dam on Salmon Populations in the Chehalis River Basin <b>Paul Schlenger</b> 131-13	Effects of a Neutrally Buoyant, Externally Attached Tag on Swimming Performance and Predator Avoidance of Juvenile Chinook Salmon <b>Jill Janak</b> 120-20	Genetics Provide a Forty-Five Year Retrospective of Sockeye Salmon Harvest Compositions in Bristol Bay, Alaska <b>Matt J. Smith</b> 129-20	Early Marine Residence of Spring-Run Chinook Salmon: a Comparison of Growth and Migration in Two Interior Columbia River Populations <b>Jessica A. Miller</b> 116-20
2:45 PM	Fluvial Geomorphic Adjustments Following a Channel-Damming Landslide in the Cedar River, Washington <b>Raymond K. Timm</b> 131-14	Tagging Effects on Sockeye Smolt Swimming Performance, Growth, and Survival <b>Alison L. Collins</b> 120-21	Assessing the Precision and Accuracy of Counting Towers Used to Estimate Escapement of Sockeye Salmon on Two Small Streams in Southwestern Alaska <b>Benjamin Nelson</b> 129-21	Adverse Impact of Hatchery Fish on the Natural Reproductive Resilience of Salmon and Steelhead Populations <b>Kevin Goodson</b> 116-21
<b>THURSDAY PM BREAK</b>				<b>Contributed Papers- Monitoring and Evaluation</b>
<b>Moderator</b>	<b>Gary Barton</b>	<b>Alison Colotelo</b>	<b>Jeffrey Fryer</b>	<b>Audra Brase</b>
3:30 PM	Presentation Withdrawn	Design and Evaluation of the Efficacy of Neutrally Buoyant, Externally Attached Acoustic Tags <b>Jayson Martinez</b> 120-22	Cross Channel Distribution of Upriver Migrating Chum, Sockeye and Chinook Salmon in a Large Alaskan River as Estimated with Hydroacoustics and Test Fishing <b>Gregory Buck</b> 129-22	Too Much Resource, Too Few Biologists. An Approach to Prioritizing and Sampling Unassessed Waters <b>David A. Miko</b> 141-1
3:45 PM	Responses of Two Brown Trout Populations to Different Regimes of Flow and Temperature: Application of a Population Dynamics Model <b>Laurence Tissot</b> 131-16	Detection Range of Acoustic Transmitters and Receivers in Deep Waters of Southeast Alaska <b>Timothy Lohr</b> 120-23	Modeling Gene Flow and Local Adaptation in Sockeye Salmon <b>Jocelyn Lin</b> 129-23	Monitoring the Post-Remediation Recovery of Aquatic Biota in the Boulder River Watershed, Jefferson County, Montana <b>David Harper</b> 141-2
4:00 PM	Response of 53 Brown Trout Populations to Various Degrees of Hydroelectric Influence <b>Véronique Gouraud</b> 131-17	Optimal Suturing Technique and Number of Sutures for Surgical Implantation of Acoustic Transmitters in Juvenile Salmonids <b>Alison H. Colotelo</b> 120-24	Nutrient Status of 16 Sockeye Salmon Lakes in the Kodiak Archipelago: Implications for Potential Rehabilitation <b>Dana Schmidt</b> 129-24	Acoustic Monitoring and In-Situ Exposures of Juvenile Coho Salmon to Pile Driving Noise at the Port of Anchorage, Alaska <b>Jim Starkes</b> 141-3
4:15 PM	Environmental Flow for Recruitment: Adaptive Management for the Endangered Rio Grande Silvery Minnow <b>Michael Porter</b> 131-18	Evaluation of Novel Methods of Incision Closure for Surgically Implanting Transmitters in Juvenile Salmonids <b>Katherine Deters</b> 120-25	Age, Growth, and Productivity of Juvenile Sockeye Salmon in Two High Latitude Lakes, Alaska <b>Lorna I. Wilson</b> 129-25	Integrating Tribal Stream Monitoring Data into Regional Multi-Metric Frameworks <b>Stephanie Ogren</b> 141-4
4:30 PM	Adaptive Management in Regulated Rivers: Influencing Survival of an Endangered Cyprinid <b>Colton Finch</b> 131-19	The Efficacy of Ultraviolet Sterilization for Sterilizing Tools Used for Surgically Implanting Transmitters into Fish <b>Ricardo Walker</b> 120-26	Management in a Complex Landscape: Sockeye Salmon in Southeast Alaska <b>Sara Gilk-Baumer</b> 129-26	Addressing Ecological Risk from Wave and Current Energy Technologies <b>Mark Grippo</b> 141-5
4:45 PM	Influence of Arkansas River Hydrology on the Resident Largemouth Bass Population <b>Clint R. Peacock</b> 131-20	Using Vemco VPS Acoustic Telemetry Techniques to Quantify Fine-Scale, Long-Term Movement Patterns of Estuarine and Coastal Fishes <b>Christopher G. Lowe</b> 120-27	Rank and Order: Evaluating the Performance of Sockeye Salmon SNP Assays <b>Caroline Storer</b> 129-27	Habitat Equivalency Analysis (HEA): A Tool for Assessing Marine Impacts and Mitigation Requirements – the Sitka Airport Example <b>Michelle Havey</b> 141-6
5:00 PM		AquaTracker: A Software Package for the Analysis/Visualization of Acoustic Telemetry Data <b>Jose J. Reyes-Tomassini</b> 120-28		Understanding Temporal and Spatial Trends of In-Stream Salmonid Habitat in the Interior Columbia River Basin <b>Carol J. Volk</b> 141-7

Room	Washington State Convention Center - 608	Washington State Convention Center - 609	Washington State Convention Center - 611	Washington State Convention Center - 612
<b>THURSDAY, SEP. 8</b>	<b><u>Riverscapes: Synoptic, High-Resolution Mapping and Modeling of Biophysical Attributes and Interactions in Stream Environments</u></b>	<b><u>Advances In Hydroacoustic Assessment of Fish and Underwater Habitat Using "Mobile" Hydroacoustic Technologies</u></b>	<b><u>Fish Passage Restoration on Rivers and Streams</u></b>	<b><u>Ecosystem Modeling: Joint Modeling of Human Behavior and Fish Populations: Ecosystem Models to Address Fishery Management Needs</u></b>
<b>Moderator</b>	<b>Christian Torgersen; Dan Isaak</b>	<b>Bob McClure</b>	<b>Dan Shively; Susan Wells</b>	<b>Tom Ihde</b>
1:15 PM	Ground Based Lidar and PIT Tags: Does High Resolution Data Improve Our Understanding of a Fish's Utilization of Habitat? <b>Ryan Lokteff</b> 119-14	Acoustic-Trawl Surveys to Assess Walleye Pollock In Alaska: Challenges Faced and Progress Made <b>Christopher Wilson</b> 133-1	Monitoring the Effectiveness of Fish Passage Restoration at Road-Stream Crossings <b>Dave Heller</b> 126-15	Linking Ecology, Economics, and Fleet Dynamics to Evaluate Alternative Management Strategies for US West Coast Trawl Fisheries <b>Isaac C. Kaplan</b> 124-15
1:30 PM	Food Web Shifts Down River Networks: Where Are Predators Supported by Algae, and Why <b>Mary Power</b> 119-15	Use of Hydroacoustics to Manage Cisco Harvest in Lake Superior <b>Donald R. Schreiner</b> 133-2	Evaluating Re-Colonization of Coho Salmon and Steelhead Following Landscape-Level Removal of Barriers in Coastal Northern California <b>Leah Mahan</b> 126-16	An Ecosystem Approach for Assessing Vulnerability of West Coast Fisheries to a Changing Climate <b>Penelope Dalton</b> 124-16
1:45 PM	Hierarchical Assessments of Fish and Their Habitat <b>Nick Bouwes</b> 119-16	Acoustic Surveys Indicate Rebuilding Northern Cod <b>George Rose</b> 133-3	Fish Passage Effectiveness at Road Crossing Culverts in the Puget Sound Region, Washington <b>David Price</b> 126-17	Ecosystem-Based Management Planning in the Pacific Fishery Management Council <b>Yvonne L. deReynier</b> 124-17
2:00 PM	Describing Aquatic Habitat with the River Bathymetry Toolkit <b>Jim McKean</b> 119-17	Fishery Sonar Assessments in Coral Reef Ecosystems <b>J. Christopher Taylor</b> 133-4	Collaborative Approach to Developing and Testing Habitat and Fisheries Monitoring Protocols for Pre- and Post-Culvert Replacement <b>Michele Wheeler</b> 126-18	What Does the Management Side Really Want from Ecosystem Modelers? <b>Frank Lockhart</b> 124-18
2:15 PM	Individual-Based Fish Population Modeling Using Reach- and Network-Scale Physical Information <b>Bret C. Harvey</b> 119-18	Acoustic Biomass of Fish and its Drivers in Australian Estuaries. <b>Vlad Matveev</b> 133-5	Impact of Irrigation Diversion Screens on Juvenile Lampreys in the Columbia River Basin <b>Brien P. Rose</b> 126-19	Bracketing Uncertainty for Managers with Ecosystem Models for the Chesapeake Bay <b>Howard M. Townsend</b> 124-19
2:30 PM	San Marcos River Observing System <b>Thomas Hardy</b> 119-19	20+ Years of Hydroacoustic Fish Monitoring at Windermere, U.K. <b>Ian Winfield</b> 133-6	Case Study: Roughened Channel Hydraulic Characteristics <b>Joey Howard</b> 126-20	Bridging the Modeling-Management Gap in Chesapeake Bay: Utilizing the Fisheries Ecosystem Plan to Identify, Carry-Out, and Ultimately Implement Ecosystem Models into the Fisheries Management Process <b>Derek M. Orner</b> 124-20
2:45 PM	Modeling Riverine Fish Habitat Conditions in the Midwest Region <b>J. Todd Petty</b> 119-20	Fish Distribution and Movements in a Deep Ultraoligotrophic Lake in Northern Patagonia, Argentina <b>Pablo H. Vigliano</b> 133-7	Creating Isolated, Predator-Free Backwaters for Native Fishes Along the Lower Colorado River <b>Ashlee Rudolph</b> 126-21	Ecosystem-Based Fishery Management Planning in the Mid-Atlantic Fishery Management Council Process <b>Christopher M. Moore</b> 124-21
<b>THURSDAY PM BREAK</b>	<b><u>Contributed Papers- Toxicology, Part 2</u></b>			
<b>Moderator</b>	<b>Devin Demario</b>	<b>Bob McClure</b>	<b>Marcin Whitman; Michael Love</b>	<b>Yvonne DeReynier</b>
3:30 PM	Exploring the Influence of Fish Body Size on Tissue Mercury Dynamics <b>Dana K. Sackett</b> 142-1	Prince William Sound Herring Assessment: A 19-Year Hydroacoustic Series <b>Richard Thorne</b> 133-8	Constructed Flood Control Channels - Fish Passage Modifications: San Jose Creek, Mission Creek, Montecito Creek Physical Models <b>Ed Zapel</b> 126-22	Ecosystem Approaches in the Southeast: Our Incremental Approach <b>Karla Gore</b> 124-22
3:45 PM	Manipulation of Sport Fish Growth to Reduce Mercury Bioaccumulation <b>J.M. Lepak</b> 142-2	Mobile Hydroacoustic Assessment of Distribution of Juvenile Salmonids At Cougar Reservoir, McKenzie River, Oregon <b>Shon Zimmerman</b> 133-9	Mission Creek Flood Control Channel Fish Passage Design, Santa Barbara, CA <b>Jonathon Mann</b> 126-23	Ecosystem Modeling in Support of Alaskan Fishery Management from the Aleutians to the Arctic <b>Kerim Y. Aydin</b> 124-23
4:00 PM	Influence of Selenium on Bluegill in Mud River Reservoir, West Virginia <b>Alison Anderson</b> 142-3	Forage Fish Temporal and Spatial Dynamics in Ohio Reservoirs 1999-2010 <b>Joseph D. Conroy</b> 133-10	Mill Creek Fish Passage <b>Patrick Powers</b> 126-24	A Recent Indicator-Based Assessment for the Eastern Bering Sea <b>Stephani Zador</b> 124-24
4:15 PM	Evaluation of Trends in Mercury Concentration in Onondaga Lake Biota in Recent Years <b>Margaret Murphy</b> 142-4	Avoidance Behaviour of Fish with Respect to An Active Pelagic Trawl Observed with High-Frequency Sonar <b>Georg Rakowitz</b> 133-11	Flood Channels: Developing Fish Resting Pools in a Concrete Channel Using Fish Energetics and Hydrodynamic Modeling <b>Michael Love</b> 126-25	Ecosystem-Based Fishery Management Information Needs for Alaska Fisheries: A Management Perspective <b>Stephanie Madsen</b> 124-25
4:30 PM	Effects of Dietary Restriction on PCB Congener Dynamics and Their Association with Health in Channel Catfish <b>Devin DeMario</b> 142-5	Modeling Turbine Entrainment and Population Responses in Kokanee Using Hydroacoustic Data <b>Eric Parkinson</b> 133-12	Fish Habitat Enhancements for the Napa Creek Flood Protection Project <b>Ed Wallace</b> 126-26	The Blood, Sweat and Tears - a Decade of Ecosystem Models in Support of Fisheries Management <b>Elizabeth Fulton</b> 124-26
4:45 PM	Cyanobacteria and Fish: A Toxic Health Threat to Tribal Communities? <b>Ellen Preece</b> 142-6	Mobile Hydroacoustic Fish Survey In Upper Cook Inlet 2009 In Support of a Tidal Energy Project <b>Mary McCann</b> 133-13	Santa Paula Fishway Damage Evaluation and Remediation Design <b>Mike Garello</b> 126-27	Panel Discussion -- Best Practices & Pitfalls for Ecosystem Management of Fishery Resources <b>Thomas F. Ihde</b> 124-27
5:00 PM		Using Mobile Transect Surveys to Assess Biology within Potential Wind Energy Sites In North Carolina <b>Michael W. Waive</b> 133-14	Panel Discussion on Floodways and Fishways <b>Marcin Whitman</b> 126-28	

Room	Washington State Convention Center - 613	Washington State Convention Center - 614	Washington State Convention Center - 615	Washington State Convention Center - 616
<b>THURSDAY, SEP. 8</b>	<b><u>Long-Term Monitoring Strategies for Large River Systems</u></b>	<b><u>Science and Strategies for Conservation of Land and Stream Flows Through Acquisition, Exchange and Other Financial Incentives</u></b>	<b><u>The Effects of Semi-Intensive Aquaculture on Biodiversity In Nearshore and Inland Waters</u></b>	<b><u>Electronic Frontiers in Fisheries Management - Log Books and Real Time Fishery Information Systems - Case Studies</u></b>
<b>Moderator</b>	<b>Jill Hardiman</b>	<b>Catherine Reidy Liermann</b>	<b>Hillary Egna</b>	<b>Gil Sylvia</b>
1:15 PM	Development of a Monitoring Strategy for Aquatic Invasive Species in the Columbia River Basin <b>Timothy D. Counihan</b> 118-15	Ecological Limits of Hydrologic Alteration (ELOHA): Past, Present and Future <b>Eloise Kendy</b> 127-15	The Effects of Semi-Intensive Aquaculture On Biodiversity In Nearshore and Inland Waters: An Overview <b>James Diana</b> 136-1	Electronic Logbooks for the Commercial Fishing Industry: Is It Really Working and What Can be Learned from International Experiences? <b>Amos Barkai</b> 125-15
1:30 PM	Monitoring Early Life Stages to Evaluate the Effects of Flow on Long-Term Trends in Salmonid Populations in Large Regulated Rivers <b>Josh Korman</b> 118-16	A Framework for Developing Flow-Ecology Relationships in Washington State <b>Catherine Reidy Liermann</b> 127-16	Integrated Multi-Trophic Aquaculture: Environmental Biomitigation and Economic Diversification by Extractive Aquaculture <b>Thierry Chopin</b> 136-2	Real-time Data for Fishery Science and Management <b>Pete Lawson</b> 125-16
1:45 PM	A Long Term Monitoring Approach for Fish Predation on Juvenile Salmonids in an Impoundment of the Columbia River <b>Jill Hardiman</b> 118-17	Empirical Flow-Ecology Relationships from Ohio <b>John Stark</b> 127-17	Aquaculture Effluents and Water Pollution <b>Claude Boyd</b> 136-3	Bycatch Reduction Agreements – Integrating Electronic Data with Fishing Practices in the Bering Sea Pollock Fishery <b>John Gruver</b> 125-17
2:00 PM	Pacific Northwest Aquatic Monitoring Partnership (PNAMP) Integrated Status and Trend Monitoring (ISTM) Workgroup: Developing Tools to Assist in the Regional Development and Coordination of Large-Scale Aquatic Monitoring Programs <b>Jeff Rodgers</b> 118-18	Flow Alteration in the Greater Seattle Area: Causes and Potential Consequences <b>Curtis DeGasperi</b> 127-18	Transboundary and Emerging Diseases of Freshwater Farmed, Ornamental and Wild Fish <b>Melba G. Bondad-Reantaso</b> 136-4	Using Federal Fisheries Data in Managing Private Fishery Cooperatives: Examples from the Alaska Pollock and Pacific Whiting Fisheries <b>Karl Haflinger</b> 125-18
2:15 PM	Baseline Fish Monitoring Program for the Hudson River Superfund Site <b>James E. Ryan</b> 118-19	Modeling of Instream Benefits from Flow Improvements Through Real Time Water Management in the Shasta River, California <b>Amy Hoss</b> 127-19	Applying Environmental Footprint Concept for Biodiversity Conservation In Semi-Intensive Aquaculture <b>Ling Cao</b> 136-5	North American Fish Trax <b>Heather Mann</b> 125-19
2:30 PM	Long-Term Monitoring of the Columbia River in BC, Canada: What We Have Learned after 10 Years of Systematic Sampling <b>Dustin Ford</b> 118-20	A Scientific Paradigm for Shaping Seasonal Flows to Favor Salmon and Energy <b>Henriette Jager</b> 127-20	Environmental Performance <b>Marc Verdegem</b> 136-6	Ecatch – Technology for Collaborative Fisheries Management <b>Matt Merrifield</b> 125-20
2:45 PM	Watershed Condition Status and Trend in the Northwest Forest Plan Area – The First 15 Years (1994-2008) <b>Steve Lanigan</b> 118-21	Ecological Responses to Streamflow: Tracking the Outcomes of Water Transactions <b>Amy McCoy</b> 127-21	Antimicrobial Use In Aquaculture and Microbial Diversity <b>Felipe Cabello</b> 136-7	FishTrax, An Industry Funded Electronic Reporting and Management System for Groundfish Sectors <b>Elizabeth Etrie</b> 125-21
<b>THURSDAY PM BREAK</b>	<b><u>Contributed Papers - Trophics, Part 2</u></b>			
<b>Moderator</b>	<b>Ruth D. Briland</b>	<b>Amanda Cronin</b>	<b>James Diana</b>	<b>Gil Sylvia</b>
3:30 PM	Salmon of the Prairie? Tracking the Fate of Common Carp Carcasses <b>Michael Weber</b> 140-1	Flow Restoration Toolbox <b>Brett Golden</b> 127-22	Primary Questions of Nutritional Physiology That Would Combine the Whole Life Cycle In Culture of South American Pseudoplattystoma Destined for Conservation and Industrial Purposes <b>Konrad Dabrowski</b> 136-8	Implementation of Electronic Vessel Trip Reporting (eVTR) In the New England Groundfish Sectors <b>Adam Baukus</b> 125-22
3:45 PM	Potential Impact of Burbot on the Fisheries of Flaming Gorge Reservoir <b>Chris Luecke</b> 140-2	Emerging Trends in Streamflow Restoration in Montana <b>Barbara Hall</b> 127-23	The Social and Economic Impacts of Semi-Intensive Aquaculture on Biodiversity <b>Robert Pomeroy</b> 136-9	The Feasibility and Benefits of a Realtime Information Tool to Support Fishing Selectivity in the New England Groundfish Industry <b>Kate Burns</b> 125-23
4:00 PM	The Effects of Fish Predation on Benthic Invertebrates in a Lake Erie Coastal Wetland <b>Douglas Kapusinski</b> 140-3	Water Right Acquisition for a Desert Terminal Lake: Nevada's Walker River Basin <b>Bruce Aylward</b> 127-24	Aquaculture for the Conservation of Native Fish in Mexico <b>Wilfrido Contreras Sanchez</b> 136-10	Is the OLFISH Electronic Monitoring System a Feasible Tool for Improving Fishery-Dependent Data for the Deep Water Red Crab Fishery? <b>Shelly Tallack</b> 125-24
4:15 PM	Do Low-Trophic Position Invaders Matter?: Exotic Grazing Fish in Novel Ecosystems <b>Jessica Strickland</b> 140-4	Restoring Streamflow Through Aquifer Recharge in Oregon's Umatilla Basin <b>Natasha Bellis</b> 127-25	Basic Biology and Ecology of Invasive Nile Tilapia: The Role It Plays In Sustainable Aquatic Biodiversity <b>Mark S. Peterson</b> 136-11	Engineering Data Interoperability with Coastal Ocean Data Collection Systems <b>Riley Young Morse</b> 125-25
4:30 PM	Regulatory Mechanisms of Fish Community Structure and Top-Predator Production in Lake Erie <b>Ruth D. Briland</b> 140-5	Case Studies of Rain Catchment Tanks for off-Stream Water Storage in Coastal Watersheds of California <b>Joseph Pecharich</b> 127-26	Tilapia and Aquaculture: a Review of Management Concerns <b>William T. Slack</b> 136-12	An Information System to Avoid River Herring ( <i>Alosa pseudoharengus</i> , <i>A. aestivalis</i> ) Bycatch in the Northwest-Atlantic <b>N.David Bethoney</b> 125-26
4:45 PM	Using Bioenergetic Efficiency to Explain Predator Performance Across an Array of Small Impoundments in Northeast Utah <b>Stephen L. Kloubucar</b> 140-6	Environmental Flows Through Markets and Water Allocation Plans in Australia <b>David Pilz</b> 127-27	Effects of Geoduck Aquaculture Practices on Habitat and Trophic Dynamics of Nekton and Macroinvertebrates in Puget Sound <b>P. Sean McDonald</b> 136-13	Near Real-Time Bycatch Avoidance in the Sea Scallop Fishery <b>Catherine E. O'Keefe</b> 125-27
5:00 PM	Chinook Salmon, Alewife, and a Changing Lake Michigan <b>Gregory R. Jacobs</b> 140-7	Panel Discussion		Status - Northeast Cooperative Research Study Fleets and Electronic Reporting <b>John Hoey</b> 125-28

Room	Washington State Convention Center - 617	Washington State Convention Center - 618	Washington State Convention Center - 619	Washington State Convention Center - 620
<b>THURSDAY, SEP. 8</b>	<b><u>Contributed Papers- Resident Salmonids</u></b>	<b><u>Advances in Coastal Atlases, Habitat Mapping, and Habitat Assessment Science to Support Fisheries and Ecosystem Decisions</u></b>	<b><u>Biology and Management of Walleye and Sauger: Status and Needs</u></b>	<b><u>Realistic Goals for Restoration in Great Lakes and Pacific Coast Ecosystems</u></b>
<b>Moderator</b>	<b>Steve Ralph</b>	<b>Kirsten Larsen</b>	<b>John Bruner</b>	<b>Kurt Newman</b>
1:15 PM	The Influence of Dams on Connectivity of Bull Trout in the Yakima Basin <b>Maureen P. Small</b> 132-1	Chronic Bottom Fishing, the Invasive Ascidian <i>D. Vexillum</i> , and Demersal Fish Feeding on Georges Bank <b>Brian E. Smith</b> 121-17	A Half-Century of Walleye Research on Oneida Lake, New York: From Confidence to Confusion in the Face of Exotic Species <b>James R. Jackson</b> 122-15	Pragmatic Approach for Addressing Hydrologic Alteration in River Conservation <b>Christopher P. Konrad</b> 128-15
1:30 PM	The Spatial Ecology and Entrainment Vulnerability of Adult Bull Trout in a Large Hydropower Reservoir <b>Lee F.G. Gutowsky</b> 132-2	Surveys of Rockfish Abundance in Untrawable Habitat Using an Acoustic-Optic-Trawl Survey <b>Chris Rooper</b> 121-18	Walleye Biology and Management on Lake Erie <b>Christopher S. Vandergoot</b> 122-16	Process-Based Principles for Restoring Dynamic River Ecosystems <b>Tim Beechie</b> 128-16
1:45 PM	Using a Spatially Explicit Approach to Examine Bull Trout Spawning Habitat Use <b>James S. Lampert</b> 132-3	Using Quantitative Acoustic Backscatter to Improve Basin-Scale Models for Eastern Bering Sea Groundfish <b>Robert A. McConnaughey</b> 121-19	Evaluation of Alternative Management Strategies for a Spatially Structured Walleye Population and Fishery <b>Aaron M. Berger</b> 122-17	Pacific Salmon: Wild, Enhanced, Hatchery, Farmed - Four Different Fish, Patchwork Management Is Not Working <b>Alexandra Morton</b> 128-17
2:00 PM	Assessing Competition Between Brook and Bull Trout in an Artificial Stream <b>Will G. Warnock</b> 132-4	Incorporation of Habitat Data in Modeling Acoustic Dead Zone Correction and Survey Bottom Trawl Efficiency Parameters <b>Stan Kotwicki</b> 121-20	History and Management of Walleye in Washington State <b>Bruce D. Bolding</b> 122-18	Landscape-Scale Wetland Rehabilitation and Management in Western Lake Erie: Changing a Paradigm Through Cooperation <b>Kurt P. Kowalski</b> 128-18
2:15 PM	Representative Reach for Estimating Brook Trout Biomass <b>John A. Sweka</b> 132-5	Ocean Scale Hypoxia-Based Habitat Compression of Atlantic Istiophoridae Billfishes <b>Eric D. Prince</b> 121-21	Age Validation of Walleye in the Winnebago System and Impacts of Aging Error on Walleye Management <b>Ryan P. Koenigs</b> 122-19	Visualizing Genetic Diversity Across an Aquatic Ecosystem: A Case Study Using Lake Whitefish from Lake Huron <b>Wendylee Stott</b> 128-19
2:30 PM	Variation in Thermal Adaptive Potential Among Brook Trout Populations <b>Brad Stitt</b> 132-6	Prediction of Benthic Biotopes on the Norwegian Shelf and Slope Using Multivariate Analysis and Modelling <b>Pål Buhl-Mortensen</b> 121-22	Lottery Draw for Walleye Tags in Alberta: Walking on the Thin Ice of Low Fish Productivity with Heavy Angling Effort <b>Michael G. Sullivan</b> 122-20	Linking Science to On-the-Ground Recovery: A Case Study on Threatened Green Sturgeon <b>Melissa Neuman</b> 128-20
2:45 PM	Behavior of European Grayling in a Recently Colonized Scandinavian Lake <b>Arthur Bass</b> 132-7	Incorporating Food Web and Habitat Interactions in a Forage Fish Stock Assessment  <b>Howard M. Townsend</b> 121-23 Reef Characteristics and Reef Fish Community Structure in the NE Gulf of Mexico as Revealed in Video and Side Scan Sonar  <b>Chris L. Gardner</b> 121-24 Environmental Attributes of Red Snapper Clusters in the Gulf of Mexico <b>Paula Moreno</b> 121-25	Too Little but Not Too Late: Active Adaptive Management to Solve A Small Walleye Problem in Highly Exploited Fisheries <b>Stephen Spencer</b> 122-21	Large Scale Stream Restoration after Two 500 Year Flood Events on Stillman Creek <b>Key McMurry</b> 128-22
<b>THURSDAY PM BREAK</b>				
<b>Moderator</b>	<b>Steve Ralph</b>	<b>Joe Nohner</b>	<b>John Bruner; Nick Baccante</b>	<b>Kevin Shaffer</b>
3:30 PM	Deep Water Spawning Observations and Effective Incubation Habitat Modeling for Redband Trout <b>Craig Addley</b> 132-8	Green Sturgeon Physical Habitat Use in the Coastal Pacific Ocean <b>David D. Huff</b> 121-26	Fingerling Walleyes in One Growing Season for Stock Enhancement <b>J. Alan Johnson</b> 122-22	Are Fish Assemblages Establishing at Restored Sites Predictable? <b>Stefan Stoll</b> 128-23
3:45 PM	Assessing the Thermal Tolerance and Growth Rates of Three Different Strains of Rainbow Trout <b>Michael Porto</b> 132-9	Skate Nurseries as Habitat Areas of Particular Concern <b>Gerald R. Hoff</b> 121-27	A History of Walleye Stocking: Lessons Learned Over the Past Century <b>Steven J. Kerr</b> 122-23	Strategic Implement of Stream Restoration Actions <b>Willis E. McConaha</b> 128-24
4:00 PM	Overwintering Use of Spring-Flow Tributaries by Age-0 Rainbow Trout <b>Jim DeRito</b> 132-10	Improved Habitat Areas of Particular Concern Evaluation Criteria - Alaska Region <b>Sandra A. Lowe</b> 121-28	Using Sonic Telemetry to Track Walleye Movement within Onondaga Lake in Syracuse, NY <b>Lucas J. Kirby</b> 122-24	A Food Web Approach to Evaluating Salmon and Steelhead Habitat Restoration <b>J. Ryan Bellmore</b> 128-25
4:15 PM	A New Sampling Technique for Assessing Lake Trout Egg Density in Deep Water <b>Jacob W. Riley</b> 132-11	Egg Deposition in Sponge Bed and Deepwater Coral Habitats by Bigmouth Sculpin and Goldeneye Snailfish <b>Morgan S. Busby</b> 121-29	Using Sonic Telemetry to Understand Habitat Utilization of Walleye in the Onondaga Lake Watershed <b>Stephanie L. Johnson</b> 122-25	The Anadromous Fish Restoration Program, A Status Update <b>Ramon Martin</b> 128-26
4:30 PM	Assessment of Lake Trout Refuge Effects on Fish Community Trends in Western Lake Superior <b>Chiara M. Zuccarino-Crowe</b> 132-12	Geomorphic Habitat Type, Drift Cell, Forage Fish, and Juvenile Salmon: Are They Linked? <b>Anne Shaffer</b> 121-30	Walleye Spawning Habitat Restoration and the Influence of Substrate Size, Shape, and Condition on Egg Retention <b>Derek Crane</b> 122-26	Panel Discussion
4:45 PM	Evidence of Diel Vertical Migration by Lake Trout <b>Liset Cruz-Font</b> 132-13	Distribution and Abundance Patterns of Several Reef Fish Species Among Different Hard Bottom Habitats <b>Douglas A. DeVries</b> 121-31 Habitat Modeling for Fisheries Management <b>Thomas Noji</b> 121-32 Pilot Habitat Assessment of a Mesohaline Embayment of the Chesapeake Bay <b>David Bruce</b> 121-33	Walleye Habitat <b>Michael A. Bozek</b> 122-27	
5:00 PM	Effects of Anthropogenic Stream Alteration on Brown Trout Behavior and Physiology: A Multifaceted Approach <b>Tyler J. Ross</b> 132-14	Hudson Canyon: Multi Species Habitat Complexes as a Geographic Priority <b>Vincent G. Guida</b> 121-34 Estuarine Use of Habitat by English Sole and Relationships to Recruitment in Pacific Coast Estuaries <b>Chris Rooper</b> 121-35 ShoreZone Imagery in Alaska, British Columbia and Washington <b>Cindy Hartmann Moore</b> 121-36	Open Forum Discussion: The Future of Walleye Research and Needs for Management <b>Nick A. Baccante</b> 122-28	

POSTERS INCLUDED IN SPECIFIC SYMPOSIA - THURSDAY			
Washington State Convention Center 4C-1	Washington State Convention Center 4C-4	Washington State Convention Center 609	Washington State Convention Center 612
<u>Using Hydroacoustic Telemetry to Understand Movement and Ecology of Critical Species</u>	<u>Impacts of Oil Spill Disasters on the Biology of Marine Fisheries: Exxon Valdez to Deepwater Horizon</u>	<u>Advances In Hydroacoustic Assessment of Fish and Underwater Habitat Using "Mobile" Hydroacoustic Technologies</u>	<u>Ecosystem Modeling: Joint Modeling of Human Behavior and Fish Populations; Ecosystem Models to Address Fishery Management Needs</u>
Migratory Behavior and Genetic Diversity Patterns of Bull Trout in the Skagit River, WA <b>Ed Connor</b>	Differential Expression of CYP1A Protein in Populations of <i>Fundulus grandis</i> from Barataria Bay, Louisiana Following the Deepwater Horizon Oil Spill <b>Benjamin Dubansky</b>	Nearshore Fish Community Comparison Using Hydroacoustics in Two Harbours in Lake Ontario <b>Kathy Leisti</b>	Blue Catfish Impacts in Chesapeake Bay <b>Mejs Hasan</b>
	Impacts of Oil Spill Disasters on the Ontogeny of <i>Fundulus grandis</i> Following the Deepwater Horizon Oil Spill <b>Charlotte Bodinier</b>	Evaluation of a Floating, Two-Vessel Towed Transducer System for Detection of Near-Surface Fishes <b>Michele Buckhorn</b>	
		Investigations Into How Lake Morphology, Available Submerged Habitat, and Watershed Characteristics Affect Fisheries <b>Jim Sholly</b>	
		Hydroacoustic Surveys for Thermal Plume Effects <b>Mary Terra</b>	
		Fixed and Mobile Hydroacoustic Detection of Juvenile Blueback Herring to Assess Avoidance Behavior of Ultrasonic Deterrent <b>Benjamin Lenz</b>	
		Acoustic and Trawl Observations of Pelagic Swimming Behavior by the Round Goby in Lake Ontario <b>Christopher W.D. Gurshin</b>	