

Room	The Conference Center - 301	The Conference Center - 302	The Conference Center - 303	The Conference Center - 304
MONDAY, SEP. 5	<u>Iteroparity in Steelhead Trout: Managing for a Diversity of Reproductive Life History Characteristics</u>	<u>Reflections on Forest Management: Can Fish and Fiber Coexist?, Part 1</u>	<u>Protecting Fish at Power Plant Cooling Water Intakes: New Developments and Science on Clean Water Act §316(b), Part 1</u>	<u>Contributed Papers - Climate Change</u>
Moderator	Christine Moffitt	Bob Danehy	Doug Dixon	Mike Reed
1:15 PM	Iteroparity in Atlantic Salmon and Steelhead Trout: a Contrast and Comparison Marc Mangel 21-1	Fish and Fiber in an Age of Change Pete Bisson 26-1	Overview of Draft EPA 316(b) Rule for Existing Facilities Douglas A. Dixon , 25-1	Bioenergetic Factors to Consider in Evaluating and Predicting the Effects of Global Climate Change on Fishes Kyle J. Hartman , 6-1
1:30 PM	Fitness and Iteroparity in Winter-Run Steelhead: Reproductive Success and the Egg Size/Fecundity Tradeoff Todd Seamons , 21-2	Forest Land Management and Aquatic Habitats in the New England Region Keith H. Nislow 26-2	Installation, Operation, and Performance of the Gunderboom® Marine Life Exclusion System at Cooling Water Intakes Thomas L. Englert , 25-2	Climate-Driven Changes in Southern California Coastal Fishes Eric Miller , 6-2
1:45 PM	Observations of Repeat Spawning of Steelhead in Yakutat Alaska Brian Marston 21-3	Forests and Fish in the Southeastern US C. A. Dolloff , 26-3	Evaluation of an Angled Intake Structure at a Once-Through Cooled Power Plant Robert H. Reider , 25-3	Climate Change and the Bering Sea Pollock Fishery Lisa Pfeiffer , 6-3
2:00 PM	Physiological Characteristics of Migrating Steelhead Trout Kelts from the Snake River System Jessica Buelow , 21-4	Trends in Stream Conditions on Lands Managed by the Forest Service and Bureau of Land Management within the Interior West Brett B. Roper 26-4	Integrated Fish Protection System to Address Entrainment and Impingement Paul Patrick 25-4	Adaptation to Climate Change: Contrasting Patterns of Thermal-Reaction-Norm Evolution in Pacific vs. Atlantic Silversides Hannes Baumann , 6-4
2:15 PM	Physiological and Migratory Characteristics of Clearwater River Steelhead Kelts Bryan Jones , 21-5	Landscape-scale Forest Disturbance and Coho Salmon Pete Lawson , 26-5	Porous Dike for Reducing Fish Impingement at Power Plants David T. Michaud 25-5	The Impact of Climate Change on Physical Instream Habitats and Its Response to River Morphology Christoph Hauer , 6-5
2:30 PM	Understanding Energy Expenditure of Upstream Migration, Sexual Maturation, and Kelt Emigration of Snake River Steelhead Trout with Bioenergetic Models and Empirical Data from Tissues Zachary Penney , 21-6	Restoring In-Stream Legacies of Log Driving and Splash Damming: a Crucial Step Forward Kelly. M. Burnett , 26-6	AquaSweep™ Separator Inertial Separation – An Alternative to Screening of Aquatic Life and Closed Loop Cooling Tower Retrofit to Meet 316(b) Requirements Brian R. Murphy 25-6	A Detailed Comparative Analysis of Macro-scale Hydrological and Climate Model Outputs from the California Sierra Nevada Alexander Fremier 6-6
2:45 PM	Energetics and Reproduction in Repeat Spawning Rainbow Trout Lucius Caldwell , 21-7	Riparian Management: Continuation of Uniform Rules or Spatially Explicit Approaches? L. Benda , 26-7	Velocity Cap Effectiveness at Scattergood Generating Station (Los Angeles, CA) D. Shane Beck , 25-7	Mount Shasta's Spring Waters, Refugia for Endangered Salmonids Curtis Knight , 6-7
MONDAY PM BREAK				
Moderator	Tim Copeland	C. A. Dolloff	Jon Black	Mike Reed
3:30 PM	Reproductive Development and Behavior of Reconditioned Steelhead Kelts in the Yakima River, Washington Josh Boyce 21-8	Forest Water Quality: What's the Baseline for Evaluation? C. Rhett Jackson 26-8	NEPTUN: Energy Efficient Electronic Fish Guidance System Piotr Parasiewicz 25-8	Climate Change and Northern Puget Sound Steelhead Ed Connor 6-8
3:45 PM	Insights into Steelhead Iteroparity in a Tributary of the Sacramento River, California Robert Null , 21-9	Timber Harvest Influence on Flow Regimes and Fish in a Northern Idaho Watershed J.A. Gravelle , 26-9	Laboratory Evaluations of Fine-mesh Traveling Screens Jonathan Black , 25-9	Climate-Driven Habitat Changes Restructure Northern Lake Fish Communities Rachel A. Hovel , 6-9
4:00 PM	A Novel Tool for Steelhead Restoration: Enhancing Iteroparity Douglas Hatch , 21-10	Sediment Yield Response to Sediment Reduction Strategies Implemented Under a Habitat Conservation Plan During a Decade of Operations on Industrial Redwood Forestlands in Northern California Kathleen Sullivan 26-10	Biological Testing of Geiger MultiDisc™ Rotary Screens at Salem Generating Station Ken Strait 25-10	Reproductive Success of Northern Lake Trout Populations: The First Casualty of Climate Change? John D. Fitzsimons 6-10
4:15 PM	Evaluating Reproductive Success of Maiden and Kelt Steelhead Spawners in a Hatchery Setting Ryan Branstetter , 21-11	Watershed Scale Impacts of Contemporary Timber Harvest on Stream Temperature Arne E. Skaugset , 26-11	Intake Technologies used at the Brunswick Steam Electric Plant to Achieve a Reduction in Impingement Mortality to a Level Similar to that of Closed Cycle Tom Thompson 25-11	Bridge Over Knowledge Waters - Linking Science and Traditional Knowledge of Arctic Char Jennie A. Knopp , 6-11
4:30 PM	Genetic Stock Identification to Evaluate the Origins of Migrating Kelt Steelhead Interrogated at Lower Granite Dam, Idaho Andrew P. Matala 21-12	Stream Temperature Response to Timber Harvest in the Oregon Coast Range Two and Five Years Post-Harvest Jeremiah D. Groom , 26-12	Larval Avoidance Enhances the Entrainment Reduction Performance of Cylindrical Wedgewire Screens Mark Mattson 25-12	An Approach to Model and Evaluate Stream Temperature Response to Climate Change in Wisconsin Jana Stewart , 6-12
4:45 PM	Steelhead Parr Maturation as an Indicator of Life History Pathway Richard Bush 21-13	Drift Reduction Technology and Runoff of Forest Chemicals G. G. Ice , 26-13	Laboratory Evaluations of Fish Return Systems – What Designs Work Ray Tuttle , 25-13	Effects of Temperature on Functional Relationships Among Michigan's Fluvial Fish Assemblages: Identifying Management Opportunities in the Face of Environmental Changes Darren Thornbrugh , 6-13
5:00 PM	Speed Presentations: Analysis of Survival and Downstream Migration Characteristics of Steelhead Kelts Using Instream PIT-Tag Arrays in the Pottlatch River Drainage, Idaho Nick Davids , 21-14 Steelhead Exhibit Resident Life History and Repeat Spawning Traits Stephen P. Rubin 21-15	Water Yield Effects of Biofuel Intercropping in Loblobly Pine Plantations of the Southeastern US J. Nettles , 26-14	Selecting BTA in the Real World James McLaren , 25-14	

Room	The Conference Center - 305	Washington State Convention Center - 3A	Washington State Convention Center - 3B	Washington State Convention Center - 401
MONDAY, SEP. 5	<u>Contributed Papers - Bycatch, Compliance, and More</u>	<u>Fisheries Leadership</u>	<u>Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle</u>	<u>Contributed Papers - Fish Passage</u>
Moderator	Dan Dembkowski	Cecilia Lewis	Bert Lewis; Mark Wipfli; Andy Kohler	Sharon Kramer
1:15 PM	Gear Switching as a Means to Reduce Bycatch and Habitat Impacts Lekelia D. Jenkins, 5-1	Leadership in the Hurricane of Change Jim Martin 17-1	Marine-Derived Nutrients and Nutrient Loss Mitigation: Where We've Been and Where We Might be Headed Mark Wipfli, 23-1	Thompson Falls Fish Ladder – 48 Steps to Bull Trout Restoration on the Clark Fork River Brent Mabbott, 7-1
1:30 PM	An Evaluation of Bycatch in Saginaw Bay, Lake Huron's Commercial Trap Net Fishery Eric MacMillan, 5-2	What Type of Leader Are You, and Why Should You Care? Barbara A. Knuth, 17-2	Salmon Nutrient Mitigation Effects on Bottom-up Processes in Streams: Lessons from Large-Scale Experiments in Central Idaho Amy M. Marcarelli, 23-2	Movement Patterns of Adult Bull Trout and Fish Passage Implications at Albeni Falls Dam, Idaho Lori Ortega, 7-2
1:45 PM	Evaluating Freshwater Bycatch with Likelihood Methods and Fishery-independent Data D. Andrew R. Drake, 5-3	The Cost of Poor Natural Resource Leadership Tom Sadler 17-3	Six Years of Nutrient Enhancement to Restore Fisheries in the Kootenai River, Idaho Cathy Gidley, 23-3	Predictions Based on Literature Fish Movement Studies Craig Addley, 7-3
2:00 PM	An Evaluation of Bull Trout Bycatch from Lake Trout Suppression Netting in Lake Pend Oreille, Idaho Nicholas C. Wahl, 5-4	Case Studies in Commercial and Recreational Fishing for Effectively Managing Fisheries Resources Eric Schwaab 17-4	Predicting the Effects of Salmon Recolonization on Water Chemistry, Periphyton, Invertebrates, and Fishes Jeremy M. Cram, 23-4	Physical Hydraulic Modeling of Fish Passage Design for the Glendale Weir Brad Hall 7-4
2:15 PM	Estimating the Relative Abundance of Highly Migratory Bycatch Species Patrick D. Lynch, 5-5	The Human Aspect of Resource Conservation Bryan Arroyo 17-5	Gravel Bed Delivery of Marine-Derived Nutrients During Active and Post-Spawn Periods: a Flume-Based Simulation John Rex, 23-5	Downstream Migration of Landlocked Salmon <i>Salmo salar</i> Smolts Through Multiple Dams, River Klarälven, Sweden Johnny R. Norrgård, 7-5
2:30 PM	Evaluation of Bycatch Reduction Devices on Diamondback Terrapin Bycatch in Alabama Salt Marshes Andrew T. Coleman, 5-6	New Frontiers in Fisheries Management and Ecology: Broadening Partnerships to Serve the Underserved Communities Stacy Nelson, 17-6	Impacts of In-Situ Salmon Decay: Interactions Between Biofilms, Sediment and Nutrient Delivery Sam J. Albers, 23-6	Use of Hydraulic Modeling to Assess Passage Flow Connectivity for Salmon in Streams Theodore E. Grantham 7-6
2:45 PM	Efficacy of Lanthanide Metals to Reduce Shark Bycatch Stephen Kajiura, 5-7	Leadership Training & Outcomes Thomas G. Coon 17-7	Nutrient Flux by Chinook Salmon in Idaho Streams: The Ins and Outs, and Implications for Management Andre E. Kohler, 23-7	Adult Salmon Migrations in the Umatilla River Basin: Balancing Water Use for Irrigation and Fish Kinsey E. Frick, 7-7
MONDAY PM BREAK				
Moderator	Dan Dembkowski	Jarrad Kosa	Bert Lewis; Mark Wipfli; Andy Kohler	Sharon Kramer
3:30 PM	Analysis of Indices of Abundance for Important Groundfish Species in the Northern Gulf of Mexico From 1987-2008, Relative to Shrimp Bycatch Allison Odom, 5-8	Leading the Way to Resilient and Productive Careers and Fisheries Resources William W. Taylor, 17-8	A Bioenergetic Evaluation of Changes in Habitat Quality for Salmonid Fishes: Calculating the Benefit from Stream Nutrient Enrichment in the Salmon River Steven O. Campbell Jr., 23-8	The Influence of Stream Crossing Structures on the Distribution of Rearing Juvenile Pacific Salmon Jeffrey C. Davis, 7-8
3:45 PM	Accounting for Yearly Variation in Albatross Bycatch in the Deep-Set Hawaii Pelagic Longline Fishery Daniel F. Luers 5-9	Effective Leadership Through Multijurisdictional Research Ian G. Cowx 17-9	Managing and Mitigating Salmon-Derived Nutrients Gregg Servheen, 23-9	Entrainment Risk of Juvenile Anadromous Fishes, Chinook Salmon and Green Sturgeon, to Unscreened Diversion Pipes Timothy D. Mussen, 7-9
4:00 PM	Gillnet Configurations and Their Impact on Atlantic Sturgeon and Marine Mammal Bycatch in the New Jersey Monkfish Fishery James L. Armstrong, 5-10	Conservation Leadership in Cooperative Extension Thomas G. Coon 17-10	Effects of Salmon Carcass and Analog Additions on Resident Trout in Idaho Scott F. Collins, 23-10	Using Sturgeon Behavior to Determine Fish Passage and Ecosystem Flow Restoration Opportunities on the Savannah River Amanda Wrona Meadows, 7-10
4:15 PM	Artisanal Fisheries and Economics of Fishing Units at Sirte in Libya Titto Dacruz, 5-11	Leading from Behind: Influencing Fisheries Policy and Management Through Partnerships Stephen G. Perry 17-11	Effects of Marine-Derived Nutrients on Juvenile Atlantic Salmon Growth and Body Condition Margaret Q. Guyette, 23-11	Prairie Stream Fish Community Structure and Related Effects of Semi-Permeable Barriers Joshuah S. Perkin, 7-11
4:30 PM	Compliance with Existing Fisheries Regulations Yields Ecological Benefits for the Northern Gulf of California Cameron Ainsworth, 5-12	Co-Leadership: Effective Resource Management Through Partnerships Hannibal Bolton 17-12	Modeling the Effects of Anadromous Fish Nitrogen on Riparian Forest Balance Andrea Noble-Stuen 23-12	Mechanisms and Importance of Spillway Escapement of Muskellunge Max H. Wolter, 7-12
4:45 PM	Incorporating a Habitat Preference Model into the Stock Assessment and Management of Pacific Blue Marlin Nan-Jay Su, 5-13	Leadership Training Tools Cecilia Lewis, 17-13	The Importance of Marine Nutrient Subsidies in Mountainous Riparian Forests Tadd Wheeler, 23-13	Influence of Migration Barriers on Tropical Diadromous Fishes Patrick B. Cooney, 7-13
5:00 PM	Spatially Explicit Sea Cucumber Stock Assessment in Seychelles Haruko Koike, 5-14	Leading from Any Chair Mamie Parker, 17-14	Long Term Lake Fertilization Projects in South Central Alaska Bert Lewis 23-14	Rehabilitating the River Åtran for Diadromous Fish Species Olle Calles, 7-14

Room	Washington State Convention Center - 4C-1	Washington State Convention Center - 4C-2	Washington State Convention Center - 4C-3	Washington State Convention Center - 4C-4
MONDAY, SEP. 5	<u>Pacific Salmon Recovery, Planning and Implementation</u>	<u>Contributed Papers - Age and Growth</u>	<u>Contributed Papers - Juvenile Salmonids Freshwater</u>	<u>Contributed Papers- Statistics, Modeling, and Stock Assessment</u>
Moderator	Mike Parton	John Woodling	Diana Sweet	Charles Anderson
1:15 PM	Biophysical Complexity of Pacific Salmon Rivers Jack A. Stanford 24-1	Estimating the Contribution of Among-Individual and Environmental Variation to Variability in Fish Growth: Bayesian Methods for Von Bertalanffy Growth Andrew Olaf Shelton , 4-1	Avian Predation on Juvenile Salmonids at John Day and the Dalles Dams on the Columbia River in 2010 Nathan A. Zorich , 10-1	Bayesian State-Space Model for Stock-Recruitment Data Zhenming Su , 12-1
1:30 PM	Population Structure and Viability of ESA-listed Salmonids in California Thomas Williams 24-2	Short-Term Growth Bioindicators : Do Laboratory Results Coincide with Field Measurements? Lindsay A. Campbell , 4-2	Identification and Characterization of Catherine Creek Juvenile Spring Chinook Salmon Overwinter Rearing Habitat Scott D. Favrot , 10-2	Instantaneous Rates Tagging Models Allowing for Delayed Mixing of Newly Tagged Cohorts: Benefits from Partial Year Tabulation of Recaptures Lynn Waterhouse , 12-2
1:45 PM	Population Structure and Viability Criteria for Interior Columbia Basin Salmon ESUs and Steelhead DPSs Thomas Cooney 24-3	Sexual Maturity of Deep-Sea Red Crabs <i>Chaceon quinquegens</i> in the Mid-Atlantic Bight Bradley Stevens 4-3	Forms of Production Loss During the Early Life History of Fall Chinook Salmon Eric W. Oldenburg , 10-3	Evaluating the Consequences of Adjusting Stock Assessment Estimates of Abundance for Retrospective Patterns Using Mohn's Rho Jonathan Deroba 12-3
2:00 PM	Puget Sound Chinook and Chum Viability Targets Norma Jean Sands , 24-4	Southeastern Alaska Male Dungeness Crabs Growth Shareef Siddeek , 4-4	Atlantic Salmon Growth and Survival As an Indicator of Habitat Quality in Small Tributaries of the Machias River Watershed Wesley Ashe , 10-4	Evaluating the Impacts of Stock Structure Uncertainty on Salfish Stock Assessment in the Atlantic Ocean Catarina Wor , 12-4
2:15 PM	Developing Applications for Spatial Structure and Diversity Parameters in Salmon Recovery: a Skagit Chinook Salmon Example Eric Beamer 24-5	A Long-Lived Life History for opakapaka <i>Pristipomoides filamentosus</i> Allen H. Andrews , 4-5	Estimating Freshwater Production of Fall Chinook Salmon Using a Spatially Explicit, Individual-Based Model Brian Bellgraph , 10-5	Estimation of Mortality Rates from Mean Length and Fishing Effort: a Modification of the Gedamke-Hoenig Length-Based Estimator Amy Then , 12-5
2:30 PM	Southern Steelhead: Ecology, Evolution, and Complexity Mark H. Capelli 24-6	Studies on Damselfish (Pomacentridae) Larvae from the Island of Oahu, Hawaii Shelly Witters , 4-6	Length-Specific Survival of Out-Migrating Yearling and Subyearling Chinook Salmon in the Snake and Columbia Rivers Richard S. Brown , 10-6	Spatially and Temporally Explicit, Individual-Based, Life-History and Productivity Modeling Kristina McNisyet , 12-6
2:45 PM	Ecological Importance of Flow Patterns Robert Fuerstenberg , 24-7	Larval Growth Rates of Three Groups of Hawaiian Fishes Derived from Sagittal Otoliths Charlie Oncea , 4-7	A System-Wide Evaluation of Avian Predation on Juvenile Salmonids in the Columbia River Basin Allen Evans , 10-7	Modeling Chinook Salmon Returns to the Kuskokwim River, Alaska, 1976-2009. Kevin Schaberg , 12-7
MONDAY PM BREAK				
Moderator	Norma Jean Sands	John Woodling	Diana Sweet	Charles Anderson
3:30 PM	Condors and Coho: Rethinking Federal Recovery Planning for Extinction Prevention Charlotte Ambrose 24-8	Regional Differences in Red Snapper Age and Growth Across the Gulf of Mexico Courtney R. Saari , 4-8	Predation on Naturally-Produced Chinook Salmon Parr in the Lower Salmon River, New York Andrew D. Miller , 10-8	A Generalized Analysis of the Shepherd Function: Estimating the Degree of Compensation From Short-Term Perturbations in Biomass Justin Yeakel 12-8
3:45 PM	Measuring Biological Sustainability via a Decision Support System Thomas C. Wainwright , 24-9	Age Validation of Pacific Cod Using Stable Oxygen Isotopes ($\delta^{18}O$) Craig R. Kestelle , 4-9	Bioenergetics and Migration of Snake River Fall Chinook Salmon John M. Plumb , 10-9	Capturing the Life Cycle of Pacific Salmon in a Single Modeling Framework Laure Pecquerie , 12-9
4:00 PM	Hood Canal Summer Chum Salmon Recovery Thom H. Johnson , 24-10	Evaluation of Non-Lethal Sampling Methods for Age and Reproductive Status Determination of Tripletail <i>Lobotes surinamensis</i> Russell Parr , 4-10	Growth and Consumption Rates in Juvenile Steelhead Knut Marius Myrvoid , 10-10	Modeling Nonstationary Natural Mortality in Catch-At-Age Models Yan Jiao , 12-10
4:15 PM	Adaptively Managing the Upper Columbia Salmon Recovery Plan Casey M. Baldwin , 24-11	Does It Fit? Estimating the Growth of Sharks Sebastian A. Pardo , 4-11	Delayed Growth Explains Life-History Variation in Snake R. Fall Chinook Salmon Henriette Jager 10-11	Hitting Rock Bottom? Modelling Essential Fish Habitat for Commercially Important Hawaiian Bottomfish Cordelia Moore , 12-11
4:30 PM	Monitoring and Adaptive Management for Salmon Recovery in the State's Most Populous Watershed Scott A. Stolnack 24-12	Length-Based Model for Largemouth Bass with Individual Variation in Annual Growth Increments James Breck , 4-12	Juvenile Coho Life History Tactics Utilizing the Mid-Klamath River Corridor Toz Soto 10-12	Developing Negative Binomial Mixed Models to Partition Variance in Fishery-Independent Survey Data Brian J. Irwin , 12-12
4:45 PM	2010: 5-Year Status Review of Salmon ESUs Michael Ford , 24-13	Regional Differences in Temperature Dependent Growth of Steelhead with Implications for Climate Change Walter Heady 4-13	Juvenile Coho Salmon Utilization of off-Channel Habitats in the Lower Klamath River Monica Hiner , 10-13	Using Bayesian Multi-State Mark-Recapture Models to Understand Life History Dynamics of Atlantic Salmon in Freshwater Douglas B. Sigourney , 12-13
5:00 PM	Salmon Recovery: Diversity in Approaches within the Range of Pacific Salmon Mike Parton 24-14	Retrospective Analysis of Atlantic Salmon Marine Growth Parameters in the Northwest Atlantic Based on Tag-Recovery Data Alicia S. Miller , 4-14	Predation by Hatchery Cutthroat Trout in the Cowlitz River, WA Julie A. Henning 10-14	A Spatial Model for Population-Selectivity David Sampson 12-14

Room	Washington State Convention Center - 602	Washington State Convention Center - 603	Washington State Convention Center - 604	Washington State Convention Center - 606
MONDAY, SEP. 5	<u>Chemical Signatures of Otoliths and Application in Fisheries</u>	<u>Alternative Non-lethal Survey Strategies</u>	<u>Best Student Paper, Part 1</u>	<u>Implementation of the San Joaquin River Settlement Agreement to Restore Chinook Salmon to the San Joaquin River, Ca.</u>
Moderator	David Noakes; Yongwen Gao	Elizabeth Clarke	Tracy Galarowicz; Jill Leonard	Scott McBain
1:15 PM	Otolith Techniques in the History of Eel Discoveries Katsumi Tsukamoto 15-1	Conducting Visual Surveys of Rockfishes in Untrawlable Habitats Using Manned Submersibles Mary Yoklavich , 13-1	Fish Species of Greatest Conservation Need in Wadeable Iowa Streams: Relative Importance of Spatial Scales Anthony R. Sindt , 2-1	Introduction to the San Joaquin River Settlement Agreement Doug Obegi 19-1
1:30 PM		Camtrawl: a Combined Camera-Trawl System for High Resolution Non-Lethal Sampling of Marine Environments Kresimir Williams , 13-2	Effects of Land Use On Headwater Stream Community Structure and Function Eden L. Effert , 2-2	Implementing the San Joaquin River Settlement Agreement; The Unique Role of the Restoration Administrator within a Federal Program Rod Meade 19-2
1:45 PM	Otolith Elemental Fingerprint of Several Commercial Fishes in Yangtze River Estuary, China Jian Yang , 15-2	Importance of Incorporating Digital Imaging Technology into Broad-Scale Surveys of Reef-Fish Assemblages Theodore S. Switzer , 13-3	Patterns of Mountain Sucker Distribution In the Black Hills Luke Schultz , 2-3	Developing an Adaptive Framework for Managing a Large-Scale River Restoration Program on the San Joaquin River Larry R. Brown 19-3
2:00 PM	Statistical Analysis on Isotopic Data of Atlantic Salmon Otoliths David Bean , 15-3	Using a Small ROV to Estimate the Abundance of Sensitive Rockfishes and Benthic Marine Fishes Robert Pacunski , 13-4	Population Responses of Chinook and Coho Salmon to Suspended Sediments in a Coastal Watershed of British Columbia H. Andres Araujo , 2-4	Historical Fish Community and Efforts to Restore Native Fish to the San Joaquin River, California Zachary Jackson 19-4
2:15 PM	Element Signature in Otolith Nuclei for Stock Delineation of Anadromous Tapertail Anchovy Using LA-ICPMS Shuozeng Dou 15-4	New Optical, Acoustic, and Autonomous System Technologies for Fisheries Research Philip McGillivray 13-5	Salmonid Consumption by Smallmouth Bass using Bioenergetics Alix O. Blake , 2-5	Population Goals for Reintroduction of Chinook Salmon into the San Joaquin River, California Erin Strange 19-5
2:30 PM	Stable Isotope Analyses in Otoliths of Silver Carp from Yangtze River and Ganjiang River for Stock Identification Jianzhong Shen , 15-5	Alaska CamSled: High Resolution Benthic Imaging Gregg E. Rosenkranz , 13-6	Life History Traits of Invasive Mosquitofish Along Environmental Gradients Gerard Carmona-Catot , 2-6	Reintroduction of Chinook Salmon into the San Joaquin River: Spring Run Source Populations and Reintroduction Methods Michelle Workman , 19-6
2:45 PM	Identifying Individuals of <i>Neosalanx taihuensis</i> Born in Different Spawning Seasons Using Otolith Microstructure Songguang Xie 15-6	Developing the SeaBED AUV to Monitor West Coast Groundfish and Their Habitat M. Elizabeth Clarke , 13-7	Does Inadvertent Selection on Juvenile Growth Rate Explain Low Fitness of Hatchery Steelhead in the Wild? Neil F. Thompson , 2-7	Hatchery and Genetic Management of Salmon Re-Introduction in the San Joaquin R. Mariah Meek , 19-7
MONDAY PM BREAK				
Moderator	David Noakes; Yongwen Gao	Elizabeth Clarke	Tracy Galarowicz; Jill Leonard	Michelle Workman
3:30 PM	Physiological Control of Isotope and Element Variation in Cod Otoliths Audrey Geffen 15-7	Trawl Camera and Hydroacoustics for Verification of Species George Cronkite , 13-8	Tracing Origins of Invasive Piscivores Using Strontium Isotope Ratios (⁸⁷ Sr/ ⁸⁶ Sr) In Otoliths Brian A. Wolff , 2-8	Replacing Something That Doesn't Exist: Regulatory, Social, and Biological Issues for Reintroduction of Chinook Salmon into the San Joaquin River Rhonda J. Reed , 19-8
3:45 PM		Comparative Assessment of Visual Survey Tools Jennifer R. Reynolds , 13-9	Categorizing Recreational Anglers' Attitudes and Behaviours Relevant for Pacific Salmon Conservation Vivian M. Nguyen 2-9	Reach 4B - Constraints and opportunities for lower San Joaquin River restoration Joseph Merz 19-9
4:00 PM	Isotopic Signatures of Otoliths as Management Tools in Groundfish Stocks Yongwen Gao 15-8	Estimation of Yelloweye Rockfish Abundance Using a Submersible Jennifer Stahl 13-10	Action of Natural Selection On Body Size and Date of Return In a Wild Population of Coho Salmon Miyako Kodama , 2-10	Restoration of Reach 2B for Fisheries: Habitat and Passage: Opportunities, Challenges and Reality Thomas L. Taylor 19-10
4:15 PM	Factors Influencing Otolith Elemental Incorporation: Implications for Field Applications Jessica A. Miller , 15-9	Designing and Optimizing Commercial Red Sea Urchin Line Transect Diving Surveys. Y.W. Cheng , 13-11	Genetic and Non-Genetic Effects In the Early Divergence of Salmonids Camille A. Leblanc , 2-11	San Joaquin River Water Quality as a Limiting Factor for Salmonid Reintroduction Marissa Bauer 19-11
4:30 PM	Growth and Population Structure of Georgia Basin Pacific Hake Paul Chittaro , 15-10	An Index of Abundance for Gag Grouper Using Fish Counts and Habitat Information From a Camera Survey Christopher T. Gledhill , 13-12	Plasticity and Trade-Offs in the Growth of Migratory Brown Trout (<i>Salmo trutta</i>) Francisco Marco-Rius 2-12	Coarse and Fine Sediment Management to Achieve the Restoration Goal for the San Joaquin River Scott McBain , 19-12
4:45 PM	Applying Otolith Chemistry to Population Studies in Fisheries: Is Environment or Biology the Key to Variation in Multi-Element Signals? Mei-Yu Chang 15-11	Simple and Stratified Sampling Designs Involving Bottom Trawl and Submersible Gears James Thorson , 13-13	The Impact of <i>Didymosphenia geminata</i> on Brown Trout: Biological Villain or Ecological Scapegoat? Daniel A. James 2-13	Year 2 of Rewatering the San Joaquin River: Overview of Lessons Learned Charles Hanson 19-13
5:00 PM	Age Determination Methods for Two Esquamate Wenqiao Tang , 15-12	Speed Presentations: Collecting HD Video and Automating Area Swept Calculations for Small ROV Based Surveys Farron Wallace 13-14 Tests of a Video Lander System as a Survey Tool on Oregon's Nearshore Rocky Reefs Matthew Blume 13-15	Fish out of Water: Impending Extinctions in California's Freshwater Fish Fauna Jacob Katz , 2-14	Priority Scientific Uncertainties and Information Needs in Coming Years for Achieving Restoration Goal Gerald Hatler 19-14

Room	Washington State Convention Center - 607	Washington State Convention Center - 608	Washington State Convention Center - 609	Washington State Convention Center - 611
MONDAY, SEP. 5	<u>Contributed Papers - Hatcheries</u>	<u>Variation in Age and Size at Maturation in Salmonids: Causes and Consequences.</u>	<u>Juvenile Salmon Ecology and Ecosystem Restoration in the Lower Columbia River and Estuary</u>	<u>Great Lakes Fisheries Management and Policy: A Binational Perspective</u>
Moderator	Doug Olson	Don Campton	Gary Johnson	Abigail Lynch; Nancy Leonard
1:15 PM	Emergence Survival of Captive-reared versus Natural Spring Chinook Salmon. Eric Stark, 8-1	Age-at-Maturity Effects on Chinook Salmon Breeding Success Barry Berejikian 29-1	Fish Communities and Juvenile Salmon in Tidal Freshwater -- Implications for Restoration Nichole Sather, 22-1	Great Lakes Fisheries Law Enforcement Edmund McGarrell, 18-1
1:30 PM	Poor Progeny to Parent Survival Rates in an ESA Listed Spring Chinook Population - Hatchery or Density-Dependent Effects? Michael Gallinat 8-2	Evolution of Age and Size at Maturation in Salmon and Steelhead Jeffrey J. Hard 29-2	Feeding Ecology of Juvenile Chinook Salmon in Shallow Freshwater Areas of the Lower Columbia River Erick S. Van Dyke, 22-2	Ichthyofauna of the Great Lakes Basin Brian M. Roth, 18-2
1:45 PM	Assessment of Altered Rearing Environments on Survival and Performance of Hatchery-Reared Inland Trout Thomas E. McMahon, 8-3	Physiological Indices of Puberty Onset in Male Salmonid Fish Penny Swanson, 29-3	Energy and the Role of Shallow Tidal Freshwater Habitats for Juvenile Chinook Salmon Adam J. Storch 22-3	Overview of the Destruction and Rehabilitation of Great Lakes Fisheries Christopher I. Goddard, 18-3
2:00 PM	Grande Ronde and Imnaha River Basins Minijack Chinook Salmon Joseph Feldhaus, 8-4	Size-Specific Maturation Probability in California Chinook - Variation Across Years and Among Runs William Satterthwaite, 29-4	Eat, but Don't Get Eaten- Quantifying the Energetic Benefit of Columbia River Estuary Restoration to Juvenile Salmon Craig A. Haskell, 22-4	Assessing Landscape Condition in the Laurentian Great Lakes Basin Kevin Wehrly, 18-4
2:15 PM	Comparison of Pre and Post Smolt Rearing Groups in Chinook Salmon Captive Broodstock Sally Gee, 8-5	Size Dependent Spawning Site Selection in Spring Chinook Salmon Andrew Dittman, 29-5	Juvenile Salmon Ecology of Tidal Freshwater Wetlands in the Lower Columbia River Catherine A. Corbett, 22-5	Great Lakes Fish Diseases Past, Present, Future Mohamed Faisal, 18-5
2:30 PM	Evaluation on Production Performance in Nile Tilapia Utilizing Saturated Fatty Acid-Enriched Soybean Oil As Full or Partial Replacements for Fish Oil Bonnie Mulligan, 8-6	Precocious Male Maturation as a Driver of Domestication Selection in Hatchery Spring Chinook Salmon Donald Larsen, 29-6	Residence Time of Acoustic Tagged Juvenile Chinook Salmon in off-Channel Areas During Winter and Early Spring James Hughes, 22-6	Multi-Jurisdictional Management of the Shared Great Lakes Fishery: Transcending Conflict and Diffuse Political Authority Marc Gaden, 18-6
2:45 PM	Newer Strategies for Increasing the Production and Nutritive Quality of Food Fishes Shiva D. Singh 8-7	Hatchery & Wild Spring Chinook Jack Production in the Upper Yakima River Curtis M. Knudsen 29-7	Estimating Habitat Utilization for Chinook, Chum, and Coho Salmon in a Restoring Tidal Freshwater Wetland Curtis Roegner 22-7	Great Lakes Commercial Fisheries Tammy Newcomb, 18-7
MONDAY PM BREAK				
Moderator	Doug Olson	William Satterthwaite	Gary Johnson	Abigail Lynch; Nancy Leonard
3:30 PM	Migratory Behavior of Juvenile "Coaster" Brook Trout Stocked into Whittlesey Creek, WI: a Lake Superior Tributary Mark J. Brouder, 8-8	Effect of Male Age on Spawning Success of Hatchery and Wild Chinook Salmon in Wild and Hatchery Environments Michael Ford, 29-8	Effectiveness Monitoring for Lower Columbia River Restoration Projects Phil Simpson 22-8	Great Lakes Recreational Fisheries and Their Role in Resource Management and Policy Andrew Loftus, 18-8
3:45 PM	Behavioral, Physiological, and Morphological Changes in a Steelhead Hatchery Supplementation Program Associated with Genetic Divergence William Simpson, 8-9	Early Male Maturation of Chinook Salmon Caught at Sea Brian Beckman 29-9	Effectiveness of Tide Gate Replacements to Increase Habitat Access for Juvenile Salmon Jeff Johnson 22-9	Managing for Sustainable Walleye Fisheries in Lake Erie Edward F. Roseman, 18-9
4:00 PM	Optimizing Early Life Stage Culture of Gamefish Species Angie Hengst, 8-10	Learning from Studies of Fishery Selection on Age and Size at Maturation in Alaskan Salmon Neala W. Kendall 29-10	Science, Uncertainties, and Limitations about Juvenile Salmon Habitat Restoration in the Lower Columbia River Gorge Chris Collins, 22-10	Rehabilitation of Lake Sturgeon in the Great Lakes: Making Progress Bruce A. Manny, 18-10
4:15 PM	Factors Influencing Individual Reproductive Success of Largemouth Bass Spawned in an Indoor Hatchery Raceway John Hargrove, 8-11	Individual Condition and Stream Temperature Influence Early Maturation of Rainbow and Steelhead Trout John McMillan 29-11	Indices of Early Life History Diversity as a High Level Indicator of Salmon Performance Gary E. Johnson 22-11	Size-Limit Regulation of Sport Fishery Harvest of Lake Trout Charles C. Krueger, 18-11
4:30 PM	Behavioral Epigenetics: A Mechanism for Differences Between Wild and Hatchery Salmonids? David L. G. Noakes 8-12	Breeding Success of Four Male Life-History Types of Spring Chinook Salmon Spawning in an Observation Stream Steven Schroder, 29-12	Developing and Designing Restoration Projects to Benefit Juvenile Salmon Rearing in the Lower Columbia River and Estuary Matt Van Ess 22-12	Pacific Salmonines in the Great Lakes Basin Randall M. Claramunt, 18-12
4:45 PM	Construction of A Mesocosm Re-Creation of Devils Hole Olin G. Feuerbacher, 8-13	Promiscuity vs. Fecundity: How Diversity Can Compensate for Sexual Selection Edward Beall, 29-13	Applied Ecology in the Implementation of the Washington Memorandum of Agreement (MOA) On Estuary Habitat Restoration Steve Vigg 22-13	Sea Lamprey Control in the Laurentian Great Lakes Michael J. Siefkes, 18-13
5:00 PM	Populations in Peril: Rapid Effects of Captive Rearing on the Performance of an Endangered Species Nate Wilke, 8-14	Report on Lessons Learned from the Co-Managers Workshop on Age and Size at Maturity in Pacific Salmon Don Campton 29-14	Science-Based Adaptive Management of the Columbia Estuary Ecosystem Restoration Program Blaine Ebberts, 22-14	

Room	Washington State Convention Center - 612	Washington State Convention Center - 613	Washington State Convention Center - 614	Washington State Convention Center - 615
MONDAY, SEP. 5	<u>Innovations in Electrofishing Technology and Techniques</u>	<u>Contributed Papers - Tribal and Sport Harvest</u>	<u>Contributed Papers - Humans and Fisheries Management</u>	<u>Crayfish in Western North America</u>
Moderator	Jim Reynolds	Audra Brase	Leanne Roulson	Julian Olden
1:15 PM	Efficacy of Chemical Sedatives and Electroanesthesia in Sedating Hybrid Striped Bass and Largemouth Bass Jesse Trushenski, 20-1	Exploitation of Channel Catfish in Arkansas Jeffrey W. Quinn, 3-1	Ten Ways to Improve Executive Management of Conflict Michael Fraidenburg, 9-1	Phylogeography of the Signal Crayfish <i>Pacifastacus leniusculus</i> in the Pacific Northwest Eric Larson, 1-1
1:30 PM	Use of Electric Barriers to Limit the Spread of Invasive Fish Philip Moy, 20-2	Challenges to Providing Harvest Opportunities in the Oregon Marine Recreational Groundfish Fishery Lynn A. Mattes, 3-2	Understanding the Role of Environmental Non-Governmental Organizations in Developing Fishery Management Plans Alesia Read, 9-2	Muddied Waters: Disentangling a Complex History of Range Expansion of the Northern Crayfish Bronwyn W. Williams, 1-2
1:45 PM	Innovative Non-Lethal Electric Fields for Marine Mammal Deterrence: Results of Trials on Seals and Sea Lions Carl Burger, 20-3	Assessment of Bias and Precision of Roving Creel Survey Designs to Estimate Chinook Salmon Harvest in Idaho Joshua L. McCormick, 3-3	A Model for Predicting Commercial Fishing Effort for Blue Crab in Chesapeake Bay Tributaries David A. Loewensteiner, 9-3	Variation in Signal Crayfish Morphology and Environmental Conditions Between its Native and Invasive Ranges Paula Rosewarne, 1-3
2:00 PM	Use of an Electrified Test Fishing Gillnet to Deter Seal Predation on Salmon in the Fraser River, B.C. Keith Forrest, 20-4	Analysis of Catch Length Limit Regulations for Nahuel Huapi Lake, Northern Patagonia, Argentina Pablo H. Vigliano, 3-4	Holistic Fishery Management Charles Fowler, 9-4	Invasive Crayfish in Western Oregon: Distribution and Implications for Native Crayfish Christopher A. Pearl, 1-4
2:15 PM	Electro-frogging: An Innovative Technique for Capturing Invasive American Bullfrogs Stan A. Orchard, 20-5	The Giant Gerrard Rainbow Trout of Kootenay Lake: Are Anglers Driving the Boom-Bust Cycles in the Trophy Fishery? Joseph Thorley, 3-5	Performance of In-Season Harvest Management Strategies for the Yukon River Fall Chum Salmon Stock of Alaska Matthew J. Catalano, 9-5	Trophic Cascades, Detrital Dynamics, and Biotic Resistance: Roles of Crayfish in California Streams Jonathan W. Moore, 1-5
2:30 PM	Effects of Electroshock on Embryos and Larvae of Rainbow Trout: Preliminary Tests for Eradication of Invasive Salmonids Bahram Farokhkish, 20-6	Success Indicators and Partnerships: a Case Study of an Urban Fishing Program Angie Carter, 3-6	Media Coverage of Ocean Issues: A Content Analysis of Newspaper Articles on Marine, Coastal, and Ocean Management from 1990 – 2010 Ingrid S. Biedron, 9-6	Crayfish Large Lake Ecosystems: Seasonal Dynamics and Ecological Impacts Sudeep Chandra, 1-6
2:45 PM	Getting the Scoop on Pelagic Forage Fish in Lakes Jennifer M. Blair, 20-7	Columbia River Tribal Fisheries: Life History Stages of a Co-Management Institution Sibyl Diver, 3-7	Do We Have to Choose? Balancing Conservation and Harvest Goals in Rebuilding a Stock Sarah R. Valencia, 9-7	Life History and Distribution of the Invasive Rusty Crayfish and the Native Signal Crayfish in the John Day River, OR Keith L. Sorenson, 1-7
MONDAY PM BREAK				<u>Conservation and Management of Kokanee, the Little <i>Oncorhynchus nerka</i>, in an Altered and Changing Landscape</u>
Moderator	Jim Reynolds	Audra Brase	Leanne Roulson	Jeffrey Chan
3:30 PM	Deep-Water Electroshocker for Sampling Small Fishes and Invertebrates J. Ellen Marsden, 20-8	A Simulation-Based Evaluation of Harvest Policies for Intermixing Stocks of Lake Whitefish in the Upper Great Lakes Kyle Molton, 3-8	Fishermen as Part of the Solution Clayward Tam, 9-8	How Should We Evaluate and Conserve Kokanee Under the Endangered Species Act? Jeffrey Chan, 30-1
3:45 PM	Use of Float-Tubes to Increase Efficiency and Safety of Backpack Electrofishing in Australian Isolated Boulder Streams Andrew Bruce, 20-9	Brown Trout Population Response to Trophy Regulations in a Southeastern U.S. Tailwater and Related Effects of Dam Discharge Dave Dreves, 3-9	Assessing Vulnerability and Change in Eastern Maine Fishing Communities Anna Henry, 9-9	The Influence of Thermal Stratification on the Vertical Movements of Kokanee and Their Predators in Lake Sammamish, Washington Hans B. Berge, 30-2
4:00 PM	The Role of Boat Electrofishing in Restoring Fish Populations in Shallow Lakes Brendan J. Hicks, 20-10	Effects of Harvest Mortality on Muskellunge Size Structure in Wisconsin's Ceded Territory Matthew D. Faust, 3-10	Describing U.S. West Coast Commercial Fishing Communities Anna Varney, 9-10	Genetic Analysis of <i>Oncorhynchus nerka</i> in Washington State Todd Kassler, 30-3
4:15 PM	Development of a Device for Recording Power Output for Electrofishing Standardization Lisa Harlan, 20-11	Delayed Hooking Mortality of Blue Catfish Caught on Juglines Joseph Schmitt, 3-11	Private Rights and Co-Management: Understanding What Leads to Stewardship in Five Australian Abalone Fisheries Patrick Gilmour, 9-11	Stream or Shore? Outlier Loci Distinguish Kokanee Ecotypes to Inform Fisheries Management Karen Frazer, 30-4
4:30 PM	A Model for Predicting Conductivity Range for Effective Electrofishing Jan C. Dean, 20-12	Collaborative Fishery Management Opportunities Between Tribal and State Agencies Marty Holtgren, 3-12		Skaha Lake Kokanee: Recruitment, Growth, Survival, and Competition with other planktivores. Paul Rankin, 30-5
4:45 PM	Standardizing the Electrofishing Fleet in the Upper Colorado River Basin Patrick J. Martinez, 20-13			What Lake or Reservoir Characteristics Allow Kokanee to Persist with Introduced Opossum Shrimp and Shared Predators? Erik Schoen, 30-6
5:00 PM	Survey-Based Perspectives on Practitioner Expectations and Electrofishing: Do We Need Some Innovation in Information Transfer? Martin O'Farrell, 20-14			

Room	Washington State Convention Center - 616	Washington State Convention Center - 617	Washington State Convention Center - 618	Washington State Convention Center - 619	Washington State Convention Center - 620
MONDAY, SEP. 5	<u>The National Fish Habitat Action Plan: Progress, Partnerships, and Next Steps in Protecting, Restoring and Enhancing Sustainable Fisheries in North America</u>	<u>Collaborative Fisheries Research Fellowship</u>	<u>Challenges in Managing Marine & Estuarine Recreational Fisheries</u>	<u>The Biology, Ecology, and Management of Summer Flounder</u>	<u>Contributed Papers- Physiology</u>
Moderator	Cecil Rich	Troy Hartly	Russell Dunn	Eric Powell	Alena Pribyl
1:15 PM	The NFHAP: Goals, Progress, and Future Needs Stephen G. Perry , 28-1	Responding to Workforce Demands and Overcoming the Challenges of Collaborative Fisheries Research Troy Hartley , 16-1	Managing Recreational Fisheries Under the Magnuson-Stevens Fishery Conservation and Management Act Paul Perra , 14-1	Sex Ratio of Summer Flounder Commercial and Recreational Landings Eric N. Powell , 27-1	Challenges to Reducing Barotrauma Mortality in US Stephen F. Theberge Jr. , 11-1
1:30 PM	Flowing Forward: A View to the Future for the Direction of the National Fish Habitat Assessment Gary Whelan , 28-2	Future of Conservation Engineering and Fishing Gear Designs: Tomorrow's Gear Innovations John Mitchell , 16-2	Management Challenges in Rebuilding West Coast Rockfish Jim Hastie , 14-2	Geographic Variation in Summer Flounder Demographics Patrick J. Sullivan , 27-2	Too Hot or Too Cold? How Pacific Sardine Respond to Changing Temperatures Alena Pribyl , 11-2
1:45 PM	Communicating the Results of the NFHAP 2010 report on Fish Habitat Susan-Marie Stedman , 28-3	Role of Networks in Building Conservation Engineering and Collaborative Fisheries Research Capacity Earl Meredith , 16-3	Summer Flounder Recreational Fishery Management Jessica M. Coakley , 14-3	Simulation Study of Biological Reference Points for the Summer Flounder Brian Rothschild , 27-3	Oxidative Stress and Senescence Throughout the Migration of Pink Salmon Samantha Wilson , 11-3
2:00 PM	U.S. Fish Habitat Partnerships: Lessons from Collaboration, Science and Conservation George E. Schuler , 28-4	Teaching Conservation Engineering and Fishing Gear Design Through Distance Learning, e-Networking, and a Research Practicum Christopher Glass , 16-4	Historical Biomass Distributions of Commercially and Recreationally Important Fishes in Coastal Louisiana Kristy A. Lewis , 14-4	Discard Mortality of Summer Flounder in the Commercial Trawl Fishery Emerson Hasbrouck Jr. , 27-4	Responses and Recovery of Adult Migrating Pacific Salmon to Exercise and Temperature Stress Michael R. Donaldson , 11-4
2:15 PM	Midwest Fish Habitat Partnerships: Meeting National Fish Habitat Action Plan Goals Through Development of a Coordinated Scientific Network Maureen Gallagher , 28-5	Teaching Scientific Design for Conservation Engineering Steven X. Cadrin , 16-5	Using the Cooperative Research Mid-Atlantic Set-Aside Program to Benefit Recreational Fisheries Eleanor A. Bochenek , 14-5	Discard Mortality in the Summer Flounder Trawl Fishery: A New Approach to Evaluation Matthew Yergey , 27-5	Matters of the Heart and Sex: Cardiac Stress Physiology in Rainbow Trout Tracey Momoda , 11-5
2:30 PM	Western Fish Habitat Partnerships: Six Ways to Data Confusion Robin Knox , 28-6	Educational Technology in Practice: Distance Learning, Social Networking and Professional Cohort Development Janet Krenn , 16-6	Recreational Angler Expenditure Survey Sabrina Lovell , 14-6	Relationships Between Female Parent and Offspring Quality in Summer Flounder Christopher Chambers , 27-6	Comparative Metabolic Rates of Common Western North Atlantic Sciaenid Fishes Andrij Horodysky , 11-6
2:45 PM	Alaska and Hawaii Fish Habitat Partnerships: Overview and Evaluation of Methods for Assessment and Prioritization Cecil F. Rich , 28-7	Evaluating the Efficacy of Semi-Pelagic Otter Boards: A Win-Win for Fishermen and the Environment Steve Eayrs , 16-7	A National Program for Engaging the Recreational Fisheries Community in Supporting Recreational Data Collection Programs Forbes Darby , 14-7	Estimating Summer Flounder Mortality Rates Using Mark-Recapture Data from a Recreational Angler Tagging Program Mark J. Henderson , 27-7	Effects of an Experimental Cortisol Challenge on the Behaviour of Wild Radio-Tagged Creek Chub in Late Fall Alexander Nagrodski , 11-7
MONDAY PM BREAK					
Moderator	Paul Pajak	Chris Glass	Russell Dunn	Eleanor Bochenek	Alena Pribyl
3:30 PM	Critical Lessons in Fisheries Sustainable Management Donald MacDonald , 28-8	Effects of the SMART Hook™ and Semicommercial Shark Repellents on Spiny Dogfish Catch in the Gulf of Maine Craig O'Connell , 16-8	A Marine Fisheries Ethical Angler Program Martin Golden , 14-8	Developing Ocean Literate Students Using Data from Flounder Research Mary Caria Curran , 27-8	Prespaw Mortality in Spring Chinook Salmon Susan Benda , 11-8
3:45 PM	Climate Change and Fisheries Habitat Conservation Colleen Caldwell , 28-9	Encouraging International Collaborations by Transferring Research Capacities and Developing the TED Ability to Reduce Bycatch. Michel A. Nalovic , 16-9	A Regional Perspective on the Value and Methods of Social Science in NOAA's Recreational Fishing Initiative Christopher Hawkins , 14-9	Optical Sea Scallop Surveys and Yellowtail Flounder Observations Using the HabCam Imaging System on the U.S. Northeast Continental Shelf Scott M. Gallager , 27-9	Physiological Metrics Effectively Assess Thermal Stress and Habitat Quality of Redband Trout Brittany D. Kammerer , 11-9
4:00 PM	Urban Landscapes and Constituencies: Implications for Restoring and Sustaining Fisheries Under the NFHAP J. Wesley Neal , 28-10	Groundgear Modifications to Reduce the Catch of Juvenile American Plaice in Otter Trawls on Georges Bank Sally Roman , 16-10	Role of Federal Aid in Sport Fish Restoration in Monitoring and Managing National and Northeast Saltwater Fisheries Ron Essig , 14-10	Regional Population Differences in Young-of-the-Year Winter Flounder in Long Island Bays: Mortality, Growth, and Condition Lyndie A. Hice , 27-10	Effects of Prey and Tissue Type on δ13C and δ15N Fractionation and Turnover Rates, and Assimilation Efficiency of Rainbow Trout Daniel D. Magoulick , 11-10
4:15 PM	Designing an Information Supply Chain to Support Landscape Scale, Systems Level, Conservation Scott P. Sowa , 28-11	Predicting Discard Mortality for Snow and Tanner Crab in the Alaskan Bottom Trawl Fishery: Can It be Done? Noelle Yochum , 16-11	Bluefin, Managing a Fish without a Country Brad McHale , 14-11	Application of Generalized Additive Models to Assess Spatial and Temporal Shifts in Suitable Habitat of Juvenile Southern Flounder Nathan B. Furey , 27-11	Facilitating Recovery from Capture Stress in Pacific Salmon Graham D. Raby , 11-11
4:30 PM	Restoration of Fish Habitat in the Lower MS River Jack Killgore , 28-12	Panel Discussion	Estimating Mortality of Atlantic Bluefin Tuna in a Catch-and-Release Fishery Michael Stokesbury , 14-12	Southern Flounder Maturity Schedules Stephen R. Midway , 27-12	Excretion by Adfluvial Fishes: Interspecific Variation and Potential Impacts Kit Wheeler , 11-12
4:45 PM	Sustaining Fisheries and Human Communities: Vision for Implementing the National Fish Habitat Action Plan Paul Pajak , 28-13		FishSmart: Results of A Workshop on the Survival of Angler Caught and Released Fish Andrew Loftus , 14-13	Freshwater Residency Patterns of Southern Flounder on the Texas Gulf Coast Megan K. Nims , 27-13	Physiological Biomarkers of Hypoxic Stress in Red Swamp Crayfish Christopher Bonvillain , 11-13
5:00 PM	NFHAP Goals and Next Steps: A Facilitated Discussion Thomas R. Busiahn , 28-14			The Effect of Temperature on Sex Determination in Southern Flounder From the Texas Gulf Coast Avier Montalvo , 27-14	

POSTERS INCLUDED IN SPECIFIC SYMPOSIA - MONDAY		
The Conference Center - 301	Washington State Convention Center - 602	Washington State Convention Center - 615
<u>Iteroparity in Steelhead Trout: Managing for a Diversity of Reproductive Life History Characteristics</u>	<u>Chemical Signatures of Otoliths and Application In Fisheries</u>	<u>Conservation and Management of Kokanee, the Little Oncorhynchus nerka, in an Altered and Changing Landscape</u>
Comparing Non-Lethal Measures of Condition and Nutritional Status in Snake River Steelhead Trout to Histological Assessments of the Liver, Spleen, Gastro-Intestinal Tract, and Gonad Zachary L. Penney	Daily-Age Structure and Growth Characteristics of Coilanasus Larvae and Juveniles in the Surf Zone of Yangtze River Estuary Junsheng Zhong	An Incubation System Using Re-Circulating Water to Imprint Artificially Cultured Kokanee to Natal Stream Odors Steven Schroder
Scale resorption in migrating and spawning steelhead Kala Hamilton	Micro-PIXE Study of Whole Otolith of Japanese Eel at Elver Stage Hao Shen	Use of Thermal Otolith Marks to Manage Kokanee in an Oligotrophic Central Washington Lake Matt Polacek
Evidence of Iteroparity in Wild Snake River Summer-Run Steelhead from Scale Patterns Kristen Ellsworth	The Relationship Between Sagitta Weight and Its Age in Japanese Grenadier Anchovy from the Yangtze River Estuary Hong-yi Guo	
Using Plasma Vitellogenin Levels to Predict Reproductive Success of Reconditioned Steelhead Kelts in an Artificial Spawning Channel Jeff Stephenson		