



| September 14 Wednesday | Fisheries Management | Recent Advances in Hydroacoustic Assessment of Fish Populations in Marine and Riverine Environments | Stream and Watershed Restoration: Planning, Prioritizing, and Monitoring | Communities and Ecosystems |
|---------------------------------------|--|--|---|---|
| Room | Egan 1 | Egan 2 | Egan 3 | Egan 4 |
| Moderator | Alex Wertheimer | Debby Burwen | Phil Roni | Wayne Paradis |
| Refreshments | | | | |
| 8:00 AM | Begich, Robert N.*; McKinley, Tim R.; Szarzi, Nicky J. | Burwen, Deborah L.*; Maxwell, Suzanne ; Neilson, Patrick ; Fleischman, Steven J. | Beechie, Timothy J.* | Miller, John M.*; Ross, Steve W; Taylor, Chris J; Dave, Dickey ; Pietrafesa, Leonard |
| | Maturity and stock origins of Chinook salmon harvested in the marine recreational fishery of Cook Inlet, Alaska | Evaluation of a new technology for assessing fish passage in Alaskan rivers | Process-based principles for restoring dynamic ecosystems | Distribution and abundance patterns of juvenile fishes among estuarine nursery areas: Mechanistic links to physics. |
| | CO-12-01 | SO-24-01 | SO-25-01 | CO-13-01 |
| 8:20 AM | Sharma, Rishi* | Maxwell, Suzanne L.*; Smith, April V | Palmer, Margaret A.*; Bernhardt, Emily | Sable, Shaye E.*; Rose, Kenneth A; Brouwer, Marius |
| | The affect of climate and ocean variability on Pacific Northwest Chinook Salmon survival, maturation and distribution | Testing Count Methods, Features of a Dual Frequency Identification Sonar and Comparing Salmon Estimates with an Echocounter | The status and trends of river and stream restoration in our nation | Relating field-measured biomarkers of dissolved oxygen stress to marsh community responses |
| | CO-12-02 | SO-24-02 | SO-25-02 | CO-13-02 |
| 8:40 AM | Holt, Carrie A.*; Peterman, Randall M. | Gregory, Jim M.*; Hateley, Jonathan ; Clabburn, Peter A.T. | McClure, Michelle M.*; Beechie, Timothy J; Cooney, Thomas D.; Zabel, Richard ; Ruckelshaus, Mary | Clark, Sandra J.*; Jackson, John R; Lochmann, Steve |
| | Quantifying implementation error in sockeye salmon (<i>Oncorhynchus nerka</i>) fisheries in British Columbia and Alaska | Monitoring the inland fisheries of England and Wales | Assessment of recovery and restoration actions for Columbia River anadromous salmonids | Relation of floodplain lake fish communities and river connectivity in the lower White River, AR |
| | CO-12-03 | SO-24-03 | SO-25-03 | CO-13-03 |
| 9:00 AM | Raborn, Scott W.*; Sharma, Rishi | Matveev, Vlad* | Heller, David A.*; McCammon, Bruce ; Uebel, Jeff | Mead, Jerry V.*; Connerton, Michael J.; Hall, Charles A.S.; Ringle, Neil H.; Cerny, Julie |
| | Managing Risk of Low Escapements for Three Chinook salmon <i>Oncorhynchus tshawytscha</i> stocks Based on Species Resilience | Hydroacoustic applications for fish ecology in Australian lakes and rivers | A Multi-scale Prioritization Process for Whole Watershed Restoration on the National Forests of Oregon and Washington | Using spatial models of a benthic ecosystem to predict fish community structure in a small temperate stream |
| | CO-12-04 | SO-24-04 | SO-25-04 | CO-13-04 |
| 9:20 AM | Sheehan, Timothy F.*; Legault, Christopher M; Spidle, Adrian P; King, Timothy L | Mueller, Anna-Maria* ; Degan, Donald J.; Kieser, Robert ; Mulligan, Timothy | Steel, E. Ashley*; Feist, Blake E.; Pess, George R.; Jensen, David ; Sheer, Mindi B.; Bilby, Robert E. | Picard, Chris R.*; Bornhold, Brian D; Harper, John R |
| | Probabilistic-based Genetic Assignment model: Sub-continent of origin assignment of the West Greenland Atlantic salmon catch | Estimating sockeye salmon smolt flux and abundance with side-looking hydroacoustics | Landscape characteristics and Pacific salmon: Consistent patterns across watersheds and their management applications | Marine benthic community and trophic responses to terrestrial detritus accumulation. |
| | CO-12-05 | SO-24-05 | SO-25-05 | CO-13-05 |
| 9:40 AM | Esmaeili, Abdoulkarim* | Neilson, Patrick A.*; Horne, John K.; Burwen, Debby L. | Schmutz, Stefan* ; Muhar, Susanne ; Zitek, Andreas ; Unfer, Günther ; Jungwirth, Mathias | Seegert, Greg L.* |
| | Investigating Factors affecting Profitability of Fishery in Southern Iran | Acoustic Characterization of Chinook and Sockeye Salmon on the Kenai River, Alaska | Are river restorations successful? Multi-scale evaluations of Austrian rivers | The distribution of larval fish in Lake Michigan based on depth |
| | CO-12-06 | SO-24-06 | SO-25-06 | CO-13-06 |



| Crustacean Fisheries Science and Assessment | The Theory and Practice of Aquatic Stewardship Education | Fluvial Geomorphology and Fish Habitat Symposium | Genetics | September 14 Wednesday |
|--|---|---|---|------------------------|
| Egan 5 | Egan 6 | Egan 7-8 | Egan 9-10 | Room |
| Thomas Miller | Barbara Knuth | Michael Porter | R. Paul Evans | Moderator |
| Refreshments | | | | |
| Cobb, J. Stanley* ; Fogarty, Michael J. | Knuth, Barbara A.* | Infante, Dana M.*; Allan, J. David | Bernard, Andrea* ; Morrison, Bruce J; Noakes, David LG; Wilson, Chris C | 8:00 AM |
| A Regime Shift in American Lobster Production? | Improving our understanding of the theory and practice of aquatic stewardship education | Natural versus anthropogenic landscape controls on stream habitat | Cryptic stock structure of lake whitefish in eastern Lake Ontario | |
| SO-26-01 | SO-27-01 | SO-28-01 | CO-05-13 | |
| ↓ | Siemer, William F.*; Hitzhusen, Gregory E. | DeVries, Paul* ; Aldrich, Robert ; Brunzell, Suzanne ; Rustay, Michael | Miller, Becky A.*; Paul, Evans ; Shiozawa, Dennis K | 8:20 AM |
| | Revisiting the stewardship concept: Opportunities to bridge from principles to practice | A Geomorphic Analysis of the Skykomish River Braided Reach to Identify Fish Habitat "Restoration" Opportunities and Risks | The Phylogeography of Mountain Whitefish in Western North America | |
| | SO-27-02 | SO-28-02 | CO-05-14 | |
| Kruse, Gordon H.*; Zheng, Jie | Wattendorf, Robert J.*; Lyman, Jon | Soultz, Scott M.*; Chase, Elizabeth M | Cegelski, Christine C.*; Campbell, Matthew R; Meyer, Kevin A; Powell, Matt P | 8:40 AM |
| Recruitment Dynamics of Alaskan Crab Stocks | Reconciling fishing and boating promotion with safe, sustainable use | Channelization and alteration of the Kootenai River and floodplain: history and reclamation | Evaluating genetic structure of interior Redband trout in environmental extremes of Idaho using microsatellite loci | |
| SO-26-02 | SO-27-03 | SO-28-03 | CO-05-15 | |
| ↓ | Burger, Carl V.*; McMahon, Thomas R. | Barton, Gary* ; McDonald, Richard ; Berenbrock, Charles ; Nelson, Jonathan ; Ireland, Sue ; Paragamian, Vaughn | de Kerckhove, Derrick T.*; Ferguson, Moira M; McLaughlin, Robert L | 9:00 AM |
| | The role of the American Fisheries Society (AFS) in fostering aquatic stewardship | Altered Dynamics of Kootenai River White Sturgeon Habitat: Historic and Recent Data and Hydraulic-Sediment-Transport Modeling | The Influence of Ecology and Environment on the Genetic Population Structure of Three Freshwater Stream Fishes | |
| | SO-27-04 | SO-28-04 | CO-05-16 | |
| Zheng, Jie* | Andrews, Elaine* | McDonald, Richard R.*; Barton, Gary ; Nelson, Jonathan M.; Paragamian, Vaughn L. | Bartron, Meredith L.*; King, Tim L.; Lubinski, Barbara A.; Buckley, Denise | 9:20 AM |
| Population Dynamics and Stock Assessment of Red King Crab in Bristol Bay, Alaska | Fostering Aquatic Stewardship with the help of Best Education Practices | Flow and sediment transport modeling of Kootenai River white sturgeon spawning habitat | Genetic assessment of Atlantic salmon captive broodstock at Craig Brook National Fish Hatchery | |
| SO-26-03 | SO-27-05 | SO-28-05 | CO-05-17 | |
| Hewitt, David A.*; Lipcius, Romuald N; Hoenig, John M; Bunnell, David B | Glick, Anne* | Coutant, Charles C.* | Keeney, Devon B.; Heupel, Michelle ; Hueter, Robert E; Heist, Edward J.* | 9:40 AM |
| Estimating Natural Mortality in Blue Crabs | Government, Non-government Organizations and Industry: Programs that Foster Aquatic Stewardship | Flood plain habitat and white sturgeon reproduction: A lost flood pulse. | Population Genetics and Phylogeography of Blacktip Shark | |
| SO-26-04 | SO-27-06 | SO-28-06 | CO-05-18 | |



| September 14 Wednesday | The Influence of Dams on River Fisheries | Ecology and Management of North American Prairie Streams | Connections Between Economic Growth and Fish Conservation | Pacific Salmon Environment and Life History Models: Advancing Science for Sustainable Salmon in the Future |
|------------------------------|--|--|---|---|
| Room | Egan 11-12 | Egan 13 | Egan 14 | ACPA- Atwood |
| Moderator | Shawn Alam | Keith Gido | Brian Czech and Bob Hughes | Cleve Steward |
| Refreshments | | | | |
| 8:00 AM | O'Brien, Susan B.* | Eberle, Mark E.* | Krall, Lisi* | Mobrand, Lars E; Lestelle, Lawrence C; Blair, Gregory R.* |
| | FERC Perspective - hydropower licensing and understanding the Integrated Licensing Process | Homogenization of fish faunas and concurrent anthropogenic impacts on plains streams in western Kansas | Economic Efficiency: Its Meaning and Limitations | The Ecosystem Diagnosis and Treatment model: A tool for evaluating habitat potential for salmonids. |
| | SO-30-01 | SO-31-01 | SO-32-01 | SO-14-10 |
| 8:20 AM | ↓ | Turner, Thomas F.*; Osborne, Megan J; Moyer, Gregory R; Alo, Dominique ; Benavides, Melissa A | Czech, Brian* | Thompson, Brad E.*; Lestelle, Lawrence C; Blair, Greg R; Mobrand, Lars E; Scott, Jim B |
| | | Life-history dependent consequences of river fragmentation revealed by comparative genetic study of Rio Grande fishes | Economic growth and fish conservation: an ecologically economic perspective | EDT application in salmon recovery planning: Diagnosing habitat limitations and modeling restoration action effectiveness |
| | | SO-31-02 | SO-32-02 | SO-14-11 |
| 8:40 AM | Harris, Melanie S.*; Diamond, David M; Bigford, Thomas E | Bramblett, Robert G.*; Johnson, Thomas R.; Zale, Alexander V.; Heggem, Daniel G. | Reed, Kelly M.; Czech, Brian ; Hughes, Robert* | McElhany, Paul* ; Steel, Ashley |
| | Hydropower Licensing: Participation in FERC's Licensing Process and Federal Agencies' Development of Fishway Prescriptions | Development and Evaluation of a an Index of Biotic Integrity for Streams in the Northwestern Great Plains | Economic Causes of Fish Endangerment in the United States | Uncertainty, management decisions and a widely-used salmon habitat model |
| | SO-30-02 | SO-31-03 | SO-32-03 | SO-14-12 |
| 9:00 AM | Konigsberg, Jan* | Endicott, Carol L.* | Niemi, Ernie* | Cramer, Steven P.*; Ackerman, Nicklaus K. |
| | Non-Government Organization Perspective on Hydropower Licensing | Monitoring the Biological Integrity of the Powder River: Implications for Sustainable Development of Coalbed Natural Gas | Salmon and the Economy of the Pacific Northwest: Looking Forward | The Unit Characteristic Method: A Habitat-Based Technique for Estimating Stream Carrying Capacity |
| | SO-30-03 | SO-31-04 | SO-32-04 | SO-14-13 |
| 9:20 AM | Hanson, David F.*; Davis, R. Joe | Thomson, Sheila K.*; Berry Jr., Charles R | Huettmann, Falk* | Burnett, Kelly M.*; Bjorkstedt, Eric P.; Miller, Daniel J.; Spence, Brian C.; Vance-Borland, Ken ; Schick, Robert |
| | Industry Perspective- Hydropower Licensing in the New Age of Collaboration | Floodplain livestock watering ponds and stream fishes, with emphasis on the endangered Topeka shiner (<i>Notropis topeka</i>)? | The impact of economic growth on seabirds as indicators of ocean health | Modeling Intrinsic Habitat Potential for Salmonids in Oregon and California |
| | SO-30-04 | SO-31-05 | SO-32-05 | SO-14-14 |
| 9:40 AM | Kleweno, Keven* | Propst, David L.*; Larson, Robert D | Mundy, Nancy M.* | Oosterhout, Gretchen R.*; Huntington, Charles W; Nickelson, Thomas E; Lawson, Peter W |
| | Legislation of the Transfer of Regulatory Authority from FERC to the State of Alaska and the Status of the Transfer | Drought and persistence of an arid-land stream fish assemblage | The Road to Extinction Is Paved with Good Intentions | Potential benefits of a conservation hatchery program for supplementing Oregon Coast coho: A stochastic model investigation |
| | SO-30-05 | SO-31-06 | SO-32-06 | SO-14-15 |



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|---|--|--|--|---------------------------------------|
| Partnerships for a Common Purpose: Cooperative Fisheries Research and Management | Marine Fish Ecology | Science Bridging Five Nations: The Bering-Aleutian Salmon International Survey | Biology, Assessment, and Management of Pacific Rockfishes (Lowell Wakefield Fisheries Symposium) | September 14 Wednesday |
| ACPA- Discovery | ACPA- Laurence | ACPA- Voth | Hilton Denali | Room |
| Rollie Barnaby | Molly Sturdevant | Katherine Myers | Sherri Pristash | Moderator |
| Refreshments | | | | |
| Anderson, Emory* 8:00 - 8:10 Introduction and Welcome - Second Day: 4th Sea Grant Sponsored AFS Symposium SO-15-17 | Muffelman, Sarah C.*; Austin, Herbert M. | Austerman, Alan* | Hyde, John R.*; Kimbrell, Carol ; Lynn, Eric ; Budrick, John ; Vetter, Russ | 8:00 AM |
| Hilborn, Ray* 8:10 - 8:40 Keynote: Lessons Learned: Making Cooperative Research and Management Work SO-15-18 | Location and diel effects upon the feeding habits of young-of-the-year striped bass in the Rappahannock River, Virginia | Opening Remarks from the Office of the Governor of Alaska | A fish of another color: A cryptic species of vermillion rockfish | |
| | CO-07-17 | SO-23-01 | SO-13-16 | |
| Keynote continued: Lessons Learned: Making Cooperative Research and Management Work | Murphy, Robert F.*; Secor, David H | Ulmer, Fran* | Li, Zhuozhuo* ; Gray, Andrew K.; Love, Milton S.; Goto, Akira ; Gharrett, Anthony J. | 8:20 AM |
| | Use of fish assemblages to discriminate between Maryland's coastal lagoons | History and Importance of BASIS (Bering-Aleutian Salmon International Survey) | Are the subgenera of <i>Sebastes</i> monophyletic? | |
| | CO-07-18 | SO-23-02 | SO-13-17 | |
| Curry, Gordon* 8:40 Lessons Learned: Making Cooperative Research Work SO-15-19 | Nye, Janet A.*; Miller, Thomas J. | Uoya, Toshinori* | Vetter, Russell D.* | 8:40 AM |
| Matylewich, Michael* 8:50 Lessons Learned: Making Cooperative Research Work SO-15-20 | Evaluation and application of a bioenergetic model of Atlantic croaker, <i>Micropogonias undulatus</i> , in Chesapeake Bay | Overview of NPAFC international cooperation for the conservation of North Pacific salmon: Enforcement and scientific research | Molecular genetic approaches to the management of rockfishes: A rare success story | |
| | CO-07-19 | SO-23-03 | SO-13-18 | |
| Rudolph, Tom* 9:00 Lessons Learned: Making Cooperative Research Work SO-15-21 | Thompson, Josie E.*; Smith, Wade D.; Schirripa, Michael J.; Heppell, Scott A. | Beamish, Richard J.* | Andrews, Allen Hia.*; Kerr, Lisa A.; Cailliet, Gregor M.; Brown, Thomas A.; Coale, Kenneth H. | 9:00 AM |
| Watson, John* 9:10 Lessons Learned: Making Cooperative Research Work SO-15-22 | Age, growth and maturity of the longnose skate for the U.S. West Coast | The Bering-Aleutian Salmon International Survey (BASIS)- An Opportunity to Integrate International Research on Pacific Salmon at a Time of Changing Trends in Abundance and Distribution | Validation of cowcod rockfish age using the bomb radiocarbon signal | |
| | CO-07-20 | SO-23-04 | SO-13-19 | |
| 9:20 - 10:00 Panel Discussion: Lessons Learned: Making Cooperative Research Work | Morley, James W.*; Buckel, Jeffrey A.; Lankford, Jr., Thomas E. | Myers, Katherine W.* | Black, Bryan A.*; Boehlert, George W.; Yoklavich, Mary M | 9:20 AM |
| | Energy dynamics of YOY bluefish overwintering off North Carolina: the role of temperature and prey availability | From Vitus Bering to BASIS: A History of Bering Sea Salmon Research | Tree-ring techniques for Pacific rockfish otoliths: age validation, chronology development, and effects of ocean variability | |
| | | CO-07-21 | SO-23-05 | SO-13-20 |
| | Knoth, Brian A.*; Foy, Robert | Helle, John H.*; Myers, Katherine W.; Seeb, James E. | TBA | 9:40 AM |
| | Investigating the role of arrowtooth flounder as a top level consumer in the Gulf of Alaska ecosystem from 2002 - 2004 | U.S. National Overview of Bering-Aleutian Salmon International Survey (BASIS) Research | Presentation and speaker TBA | |
| SO-15-23 | CO-07-22 | SO-23-06 | SO-13-21 | |



| September 14 Wednesday | Fisheries Management | Recent Advances in Hydroacoustic Assessment of Fish Populations in Marine and Riverine Environments | Stream and Watershed Restoration: Planning, Prioritizing, and Monitoring | Communities and Ecosystems |
|-------------------------------------|---|---|---|---|
| Room | Egan 1 | Egan 2 | Egan 3 | Egan 4 |
| Moderator | Alex Wertheimer | Suzanne Maxwell | Ashley Steel | Wayne Paradis |
| 10:00 AM | | | | |
| 10:20 AM | Ames, Robert T.*; Leaman, Bruce M.; Ames, Kelly L. | Mitchell, Warren A.*; Hightower, Joseph E | Fullerton, Aimee* ; Steel, Ashley ; McElhany, Paul ; Sheer, Mindi ; Olson, Patricia ; Caras, Yuko | Koops, Marten A.*; Irwin, Brian J.; Millard, Scott ; Mills, Edward J.; Minns, Charles K.; Rudstam, Lars G. |
| | Applicability of Video Monitoring Technology for Longline Fisheries Management | Estimating Run Size of Anadromous Fishes in a Southeastern Coastal River using Hydroacoustics | Evaluation of freshwater habitat management options for conservation of listed salmonids in the Lewis River watershed (USA) | Comparative Ecosystem Modelling in the Bay of Quinte and Oneida Lake |
| | <i>CO-12-07</i> | <i>SO-24-07</i> | <i>SO-25-07</i> | <i>CO-13-07</i> |
| 10:40 AM | de la Mare, William K; Barton, Nina L.* | McIntosh, Bruce C.*; Parker, Michael J.; Pfisterer, Carl T. | Wilcox, Douglas A.; Carlson, Martha L.; Sweat, Michael J.*; Kowalski, Kurt P. | Fulford, Richard S.*; Breitburg, Denise L |
| | Methods for evaluating the potential effects of marine protected areas on adjacent fisheries | DIDSON assessment of migrating lampreys under the ice of the Yukon River, Alaska | Planning hydrologic restoration of small streams in a large, ditched and diked peatland | Assessing effects of overfishing and eutrophication on estuarine fishery resources: Management from a food-web perspective. |
| | <i>CO-12-08</i> | <i>SO-24-08</i> | <i>SO-25-08</i> | <i>CO-13-08</i> |
| 11:00 AM | Crumpton, Roman L.*; Smith, Theodore I. J.; Collins, Mark R; Ware, Kent M; Henne, James P | Frouzova, Jaroslava* ; Kubecka, Jan | Isaak, Dan J.*; Thurow, Russ F; Rieman, Bruce E.; Dunham, Jason B | Carey, Michael P.*; Wahl, David H. |
| | Determination of the Effects of Temperature and Time of Day on Otolith Marks of Juvenile Red Drum immersed in Oxytetracycline | Detailed patterns of scattering from lateral aspects of freshwater fish. | Roles of habitat size, connectivity, and quality on patch occupancy by Chinook salmon: Implications for restoration | Exploring the potential influence of fish diversity as a determinant of ecosystem properties in aquatic food webs. |
| | <i>CO-12-09</i> | <i>SO-24-09</i> | <i>SO-25-09</i> | <i>CO-13-09</i> |
| 11:20 AM | Ihde, Thomas F.*; Hoenig, John M.; Frusher, Stewart D. | Cech, Martin* ; Kubecka, Jan ; Peterka, Jiri ; Vasek, Mojmir ; Matena , Josef | Jordan, Chris E.; Katz, Stephen L.; Bouwes, Nick* | Vatland, Shane J.*; Budy, Phaedra E; Thiede, Gary P |
| | Seasonal Inhibition of Pre-recruit Southern Rock Lobster Entering Survey Traps Seeded with Large Adults | Sinusoidal foraging in fishes: Simultaneous monitoring by hydroacoustics and underwater camera | Status and restoration effectiveness monitoring for salmonid populations in the Columbia River basin. | Lake Powell (Utah-Arizona) food web dynamics: The effects of newly introduced gizzard shad. |
| | <i>CO-12-10</i> | <i>SO-24-10</i> | <i>SO-25-10</i> | <i>CO-13-10</i> |
| 11:40 AM | Munro, Peter T.*; Conners, M. Elizabeth; Shi, Yunbing | Kubecka, Jan* ; Cech, Martin ; Drastik, Vladislav ; Frouzova, Jaroslava ; Hladik, Milan ; Hohaousova, Eva | Stewart, Jana S.*; Mitro, Mathew ; Wang, Lizhu ; Martin, Alex ; Smith, Christopher | Dettmers, John M.*; Brofka, Wayne A.; Spindler, Bryan |
| | Timing of capture of Pacific cod in research pots: Implications for the cod pot as a survey sampling instrument. | Comparison of acoustic and netting fish stock assessments in lakes and reservoirs. | Using a stream temperature model to evaluate the classification and management of Wisconsin streams | Impacts of round gobies on lake trout reproductive success in southern Lake Michigan |
| | <i>CO-12-11</i> | <i>SO-24-11</i> | <i>SO-25-11</i> | <i>CO-13-11</i> |



| Crustacean Fisheries Science and Assessment | The Theory and Practice of Aquatic Stewardship Education | Fluvial Geomorphology and Fish Habitat Symposium | Genetics | September 14 Wednesday |
|--|---|--|---|------------------------|
| Egan 5 | Egan 6 | Egan 7-8 | Egan 9-10 | Room |
| David Secor | William Siemer | Paul DeVries | R. Paul Evans | Moderator |
| | | | | 10:00 AM |
| Miller, Thomas J.*; Martell, Steven J. D. | Fontaine, Monita W.* | Porter, Michael D.*; Massong, Tamara M | Chatakondi, Nagaraj G.*; Kelly, Anita M; Dunham, Rex A | 10:20 AM |
| Development and application of a catch-multiple survey model to assess the blue crab in Chesapeake Bay. | The Boating Industry and Aquatic Stewardship: Conservation Through Technology, Innovation and Education | Understanding the availability of Rio Grande silvery minnow nursery habitat | Evaluation of Gonadal Maturity of Channel Catfish to Optimize the Channel X Blue Hybrid Catfish Fry Production. | |
| SO-26-05 | SO-27-07 | SO-28-07 | CO-05-19 | |
| Siddeek, M. S.M.*; Barnard, David R.; Watson, Leslie J.; Gish, Robert K. | Lydecker, Ryck* | Hiebert, Steven D.*; Levisch, Dan ; Camp, Susan | Ramstad, Kristina M.*; Woody, Carol A; Allendorf, Fred W | 10:40 AM |
| Assessment of the data poor Aleutian Islands golden king crab stock using a modified catch-length analysis model | Fostering boating-related aquatic stewardship: reaching the boater | Habitat variability for native minnows in the lower Yellowstone River, Montana | Evidence of local adaptation among sockeye salmon from a common founding event | |
| SO-26-06 | SO-27-08 | SO-28-08 | CO-05-20 | |
| Armstrong, David A.*; Ernst, Billy ; Orensanz, Lobo ; Livingston, Pat | Day, Brian A.* | Massong, Tamara M.*; Porter, Michael D | Bowen, Bryant R.*; Kreiser, Brian R; Slack, William T; Mickle, Paul F; Ross, Steve T | 11:00 AM |
| From cold pools to cod: An environmental ratchet as cause of declines in Bering Sea Snow Crab | The role of environmental communication in fostering aquatic stewardship | Predicting future fish nursery habitat using geomorphology | Population genetics of Alabama Shad: Conservation and management implications for an anadromous species. | |
| SO-26-07 | SO-27-09 | SO-28-09 | CO-05-21 | |
| Gracia, Adolfo* ; Vazquez-Bader, Ana R. | ↓ | Bauer, Travis R.*; Massong, Tamara M; Porter, Michael D; Slauch, Dwight A | Turner, Sara M.*; DeWoody, J A | 11:20 AM |
| Recruitment overfishing and stock resilience on Gulf of Mexico Shrimp. | | How post-dam channel processes affect creation and evolution of floodplain nursery habitat | The influence of Atlantic salmon genotype on early mortality | |
| SO-26-08 | | SO-28-10 | CO-05-22 | |
| Richards, R. Anne*; Fogarty, Michael J; Mountain, David | McMullin, Steve L.*; McClafferty, Julie A.; Hockett, Karen S. | Rinne, John N.*; Miller, Dennis | Kapuscinski, Anne R.; Patroski, Timothy J.* | 11:40 AM |
| Environmental effects on recruitment of Northern shrimp in the Gulf of Maine | Does angling or boating improve the stewardship ethic of participants? | Hydrology, geomorphology and management: Implications for sustainability of native southwestern fishes | Feasibility Study of Genetic Methods for Biological Control of Non-native Fish in the Gila River System of the U.S. Southwest | |
| SO-26-09 | SO-27-10 | SO-28-11 | CO-05-23 | |



| September 14 Wednesday | The Influence of Dams on River Fisheries | Ecology and Management of North American Prairie Streams | Connections Between Economic Growth and Fish Conservation | Pacific Salmon Environment and Life History Models: Advancing Science for Sustainable Salmon in the Future |
|---------------------------------------|---|---|--|---|
| Room | Egan 11-12 | Egan 13 | Egan 14 | ACPA- Atwood |
| Moderator | Shawn Alam | Keith Gido | Brian Czech and Bob Hughes | Eric Knudsen |
| 10:00 AM | | | | |
| 10:20 AM | <p>Creamer, Allan E.*</p> <p>Section 18 of the Federal Power Act – Fish Passage Requirements and Compliance at FERC Hydropower Projects</p> <p>SO-30-06</p> | <p>Ostrand, Kenneth G.*</p> <p>The role of regular drought regimes on local and regional prairie stream fish assemblages</p> <p>SO-31-07</p> | <p>Rose, Alwyn C.*</p> <p>Economic Threats to Fish Conservation in Canada</p> <p>SO-32-07</p> | <p>Beamish, Richard J.*</p> <p>We are on the right path but it is uphill both ways.</p> <p>SO-14-16</p> |
| 10:40 AM | <p>Amaral, Stephen V.*; Hecker, George E; Cook, Thomas C</p> <p>Development of a new hydro turbine designed to reduce injury and mortality of entrained fish</p> <p>SO-30-07</p> | <p>Marsh-Matthews, Edie* ; Matthews, William J.</p> <p>Residual effects of drought on stream fishes: An experimental test</p> <p>SO-31-08</p> | <p>Pister, Edwin P.*</p> <p>An AFS position on economic growth: why it should be and what it might say</p> <p>SO-32-08</p> | <p>Ruggerone, Greg T.*; Nielsen, Jennifer</p> <p>Growth and survival of salmon in response to climate change and a dynamic ocean carrying capacity</p> <p>SO-14-17</p> |
| 11:00 AM | <p>Hedgepeth, John B.*; Ploskey, Gene R; Johnson, Gary E; Khan, Fenton ; Mueller, Robert P; Serkowski, John</p> <p>Acoustic camera evaluation of juvenile salmonid approach and fate at surface bypass entrances at two hydropower dams</p> <p>SO-30-08</p> | <p>Falke, Jeffrey A.*; Fausch, Kurt D.; Scheurer, Julie A.; Fardal, Lisa A.; Griffin, Stephen D.; Oad, Ramchand</p> <p>Regional drought, groundwater pumping, and habitat for stream fish along a Great Plains riverscape in Colorado</p> <p>SO-31-09</p> | <p>DISCUSSION</p> <p>SO-32-09</p> | <p>Scheuerell, Mark D.*; Hilborn, Ray</p> <p>Estimating essential fish habitat for Pacific salmon with the SHIRAZ model</p> <p>SO-14-18</p> |
| 11:20 AM | <p>Johnson, Gary E.*; Dauble, Dennis D; Ploskey, Gene R</p> <p>Surface flow outlets for juvenile salmonids at hydropower dams: fish passage data synthesis</p> <p>SO-30-09</p> | <p>Gido, Keith B.*; Franssen, Nathan R; Strakosh, Tim R; Bertrand, Katie N</p> <p>Effects of disturbance on fish assemblages in an intermittent prairie stream</p> <p>SO-31-10</p> | | <p>Rand, Peter S.*; Augerot, Xanthippe ; Pearson, Cathy</p> <p>Toward integrating salmon biological data into models governed by bioenergetic and metapopulation principles</p> <p>SO-14-19</p> |
| 11:40 AM | <p>Hardiman, Jill M.*; Counihan, Timothy D; Holmberg, Glen E; Walker, Chris E; Puls, Amy L</p> <p>Seasonal trends in survival of juvenile salmonids during different dam operations at Bonneville Dam, Columbia River</p> <p>SO-30-10</p> | <p>Bertrand, Katie N.*; Gido, Keith B</p> <p>Interactive effects of flood frequency and fishes on stream ecosystem structure and function</p> <p>SO-31-11</p> | | <p>Ruckelshaus, Mary* ; Scheuerell, Mark ; Battin, James ; Bartz, Krista ; Imaki, Hiroo</p> <p>Using models to estimate the integrative effects of hatchery, habitat and harvest management on salmon population dynamics</p> <p>SO-14-20</p> |



| Partnerships for a Common Purpose: Cooperative Fisheries Research and Management | Marine Fish Ecology | Science Bridging Five Nations: The Bering-Aleutian Salmon International Survey | Biology, Assessment, and Management of Pacific Rockfishes (Lowell Wakefield Fisheries Symposium) | September 14 Wednesday |
|---|--|---|--|------------------------|
| ACPA- Discovery | ACPA- Laurence | ACPA- Voth | Hilton Denali | Room |
| Paula Cullenberg | Molly Sturdevant | Katherine Myers | Sherri Pristash | Moderator |
| | | | | 10:00 AM |
| <p>Hoskins, Ted* 10:20 Lessons Learned: Making Cooperative Research Work SO-15-24</p> <hr/> <p>Iverson, Tom* 10:30 Lessons Learned: Making Cooperative Research Work SO-15-25</p> | <p>Lemke, Jena L.*; Ryer, Clifford H</p> <hr/> <p>Differing anti-predator strategies of three juvenile North Pacific flatfish species</p> <p>CO-07-23</p> | <p>Shuntov, V. P.*; Temnykh, O. S.; Sviridov, V.</p> <hr/> <p>Contemporary Status of Pacific Salmon in the Bering Sea: Results of the Russian Component of Basis Program</p> <p>SO-23-07</p> | <p>Fulmer, Julia H.; Gunderson, Donald R.*; La France, Laura; Goetz, Betty; Palsson, Wayne; Miller, Bruce S</p> <hr/> <p>Changes in growth and recruitment of the Puget Sound rockfish and implications the reef community</p> <p>SO-13-22</p> | <p>10:20 AM</p> |
| <p>Mattes, Bill* 10:40 Lessons Learned: Making Cooperative Research Work SO-15-26</p> <hr/> <p>Stein, Roy* 10:50 Lessons Learned: Making Cooperative Research Work SO-15-27</p> | <p>Elsdon, Travis S.*; Gillanders, Bronwyn M</p> <hr/> <p>Fish migratory contingents identified by comparing otolith and ambient Sr:Ca over temporal scales</p> <p>CO-07-24</p> | <p>Azumaya, T.*; Nagasawa, T.; Fukuwaka, M.</p> <hr/> <p>Results of Japan BASIS Cruises in 2002-2004</p> <p>SO-23-08</p> | <p>Hamel, Owen S.*; Piner, Kevin R; Wallace, John R</p> <hr/> <p>A mathematical model of the bomb radiocarbon chronometer for use in ageing validation</p> <p>SO-13-23</p> | <p>10:40 AM</p> |
| <p>11:00 - 11:30 Panel Discussion: Lessons Learned: Making Cooperative Management Work SO-15-28</p> | <p>Rooker, Jay R.*; Secor, David H</p> <hr/> <p>Trans-Atlantic mixing of Atlantic bluefin tuna: Evidence from stable isotopes in otoliths</p> <p>CO-07-25</p> | <p>Farley, Ed V.*; Murphy, Jim; Adkison, Milo; Eisner, Lisa; Helle, Jack; Nielsen, Jennifer</p> <hr/> <p>Early marine growth of juvenile Bristol Bay Sockeye Salmon.</p> <p>SO-23-09</p> | <p>Hutchinson, Charles E.*; Gunderson, Donald R; Kimura, Daniel K; Kestelle, Craig R; Gallucci, Vincent F</p> <hr/> <p>Using natural radionuclides in the age determination of Shortraker rockfish</p> <p>SO-13-24</p> | <p>11:00 AM</p> |
| <p>Pautzke, Clarence* 11:30 - 12:00 Keynote: Opportunities for Linking Cooperative Research and Management</p> | <p>Gardner, Beth*; Sullivan, Patrick J.; Morreale, Stephen J.; Epperly, Sheryan P.</p> <hr/> <p>Spatio-temporal analyses of loggerhead seaturtle interactions with pelagic fisheries</p> <p>CO-07-26</p> | <p>Walker, Robert V.*; Davis, Nancy D.; Myers, Katherine W.; Helle, John H.</p> <hr/> <p>New information on vertical distribution and thermal habitats of salmon in the Bering Sea from archival tags</p> <p>SO-23-10</p> | <p>Kestelle, Craig R.*; Kimura, Daniel K; Betty, Goetz J</p> <hr/> <p>Age Validation of Pacific Ocean Perch (<i>Sebastes alutus</i>) Using Bomb Produced Radiocarbon</p> <p>SO-13-25</p> | <p>11:20 AM</p> |
| <p>Peet, Corey R.*; Mazumder, Asit; Volpe, John P</p> <hr/> <p>Possible Impact of Salmon Farming on the Health of Wild Salmon Populations</p> <p>SO-15-29</p> | <p>Davis, Nancy D.*; Armstrong, Janet L.</p> <hr/> <p>Review of Bering Sea Salmon Food Habits</p> <p>CO-07-27</p> | <p>Miller, Jessica A.*; Shanks, Alan L</p> <hr/> <p>Otolith microchemistry in North Pacific rockfish: What it can tell us about adult, juvenile, and larval movements</p> <p>SO-23-10</p> | <p>SO-13-26</p> | <p>11:40 AM</p> |



| September 14 Wednesday | Fisheries Management | Recent Advances in Hydroacoustic Assessment of Fish Populations in Marine and Riverine Environments | Stream and Watershed Restoration: Planning, Prioritizing, and Monitoring | Communities and Ecosystems |
|---------------------------------------|--|--|---|---|
| Room | Egan 1 | Egan 2 | Egan 3 | Egan 4 |
| Moderator | Brett Roper | Dan Urban | Tim Beechie | Sue Walker |
| 1:30 PM | Introduction | | | |
| 1:40 PM | Conners, M. Elizabeth* ; Munro, Peter ; Neidetcher, Sandi | Xie, Yunbo* ; Gray, Andrew ; Martens, Fiona | Ross, Robert M.*; Kocovsky, Patrick M; Dropkin, David ; Campbell, John M | Wipfli, Mark S.* |
| | Comparative Studies of Fish Abundance Using Fixed Gear | Estimating salmon abundance in a riverine environment using hydroacoustic technologies: DIDSON vs. Split-beam Sonar | Use of habitat suitability index models with landscape-scale factors for restoring diadromous fishes to the Susquehanna River | Predicted influence of environmental change on nutrient and energy flow in salmonid food webs |
| | <i>CO-12-12</i> | <i>SO-24-12</i> | <i>SO-25-12</i> | <i>CO-13-12</i> |
| 2:00 PM | Jordaan, Adrian* ; Chen, Yong ; Townsend , David W | Macaulay, Gavin J.* | Pollock, Michael* ; Beechie, Tim ; Jordan, Chris | Tzilkowski, Caleb J.*; Stauffer, Jay R |
| | Developing diagnostic tools for ecosystem-based fisheries management. | Variability in acoustic target strength using anatomically detailed scattering models | Effect of vegetation and beaver dams on recovery rates of incised streams in semi-arid regions of the Columbia River basin | Native brook trout and naturalized brown trout effects on two headwater stream food chains |
| | <i>CO-12-13</i> | <i>SO-24-13</i> | <i>SO-25-13</i> | <i>CO-13-13</i> |
| 2:20 PM | Klibansky, Nikolai* ; Juanes, Francis | Urban, Dan* | Ebersole, Joseph L.*; Leibowitz, S. G.; Wigington, P. J.; Baker, J. P.; Cairns, M. A.; Church, M. R. | Ruhl, Michael E.*; Lienesch, Philip W; Varney, Travis B |
| | Relative fecundity of Atlantic cod (<i>Gadus morhua</i>) on Georges Bank and in the Gulf of Maine | Hydroacoustic assessment of black rockfish in the Western Gulf of Alaska | Implications of fish movement and seasonal habitat dynamics for restoration planning and prioritization | A Survey and Investigation of Nontroglobitic Fishes in the Subterranean Waterways of Mammoth Cave National Park, KY |
| | <i>CO-12-14</i> | <i>SO-24-14</i> | <i>SO-25-14</i> | <i>CO-13-14</i> |
| 2:40 PM | Millichamp, Ross R.H.*; Unwin, Martin J; Webb, Mark W | Fleischer, Guy* ; Cooke, Ken ; Ressler, Patrick ; Kieser, Robert ; Foote, Ken | Miller, Sarah J.*; LaValle, Amanda L. | Norris, Alicia J.*; Wright, Russell A.; DeVries, Dennis R. |
| | Monitoring the New Zealand Salmon Fishery | Examination of in-situ Target Strength of Pacific Hake | Fluvial Process Research and Database Development to Support Stream Restoration and Management in the Catskill Mountains, NY | Estuaries as habitat for a freshwater species: ecology of largemouth bass (<i>Micropterus salmoides</i>) along a salinity gradient. |
| | <i>CO-12-15</i> | <i>SO-24-15</i> | <i>SO-25-15</i> | <i>CO-13-15</i> |
| 3:00 PM | Copeland, Timothy* ; Bunn, Paul R | Balk, Helge ; Lindem, Torfinn ; Kubecka, Jan | Baldigo, Barry P.*; Warren, Dana R.; Miller, Sarah J. | Monaco, Mark E.*; Christensen, John D; Gill, Tracy A; Clark, Randy D |
| | Effects of capture method on survival of steelhead trout juveniles tagged with passive integrated transponders | New single echo detection methods for shallow water fishery acoustics | Evaluating effects of natural-channel-design restoration on fish communities in streams of the Catskill Mountains, New York | Biogeographic Assessments of NOAA West Coast National Marine Sanctuaries to Support Development of MPA Management Plans |
| | <i>CO-12-16</i> | <i>SO-24-16</i> | <i>SO-25-16</i> | <i>CO-13-16</i> |



| Crustacean Fisheries Science and Assessment | The Theory and Practice of Aquatic Stewardship Education | Fluvial Geomorphology and Fish Habitat Symposium | Why is Sustainability So Difficult? - Understanding and Addressing Impediments to Conserving Aquatic Resources | September 14 Wednesday |
|--|---|--|--|------------------------|
| Egan 5 | Egan 6 | Egan 7-8 | Egan 9-10 | Room |
| David Secor | William Siemer | John Rinne | Dave Cannon | Moderator |
| Introduction | | | | 1:30 PM |
| Diaz, Guillermo A.*; Smith, Steven G.; Ault, Jerald S. | Loftus, Andrew J.* | Miller, Dan* ; Benson, Kristine | Pister, Edwin P.* | 1:40 PM |
| Population dynamics of pink shrimp in Biscayne Bay, Florida | Measures of Aquatic Stewardship Behavior From the Boating Perspective | Stream and Wetland Habitat Mitigation for Realignment of Haines Highway Haines, Alaska | Desert water development, population growth, and sustainability: A frightening oxymoron | |
| <i>SO-26-10</i> | <i>SO-27-11</i> | <i>SO-28-12</i> | <i>SO-29-01</i> | |
| Bauer, Laurie J.*; Miller, Thomas J | Seng, Phil T.; White, Gwen M.* | Melchior, Martin J.*; Nelson, John E. | Fraidenburg, Michael E.* | 2:00 PM |
| Integrating the effects of sediment and temperature in models of blue crab overwintering mortality | Measures of aquatic stewardship from a fisheries perspective | Colonization of fish and macroinvertebrates following natural channel restoration of a headwater stream | Natural resource professionals, institutions, incentives, and the tepid pursuit of conservation | |
| <i>SO-26-11</i> | <i>SO-27-12</i> | <i>SO-28-13</i> | <i>SO-29-02</i> | |
| Ariyama, Hiroyuki* | Fedler, Anthony J.* | Petty, Todd* ; Kite, Steven ; Fulton, Jennifer ; Freund, Jason | Austin, Maureen E.* | 2:20 PM |
| Environmental factors affecting catch of the swimming crab in Osaka Bay, Japan | A test of the aquatic education stewardship relationship among youth | Brook Trout Habitat, Geomorphic Controls, and Stream Restoration Along a Central Appalachian River Continuum | Human Nature, Expertise, and the Search for Common Ground in Sustainable Resource Management | |
| <i>SO-26-12</i> | <i>SO-27-13</i> | <i>SO-28-14</i> | <i>SO-29-03</i> | |
| Puckett, Brandon J.*; Secor, David H.; Ju, Se-Jong | Duncan , Blair* | Calamusso, Bob* ; Rinne, John N. | Thomas, Jack Ward* | 2:40 PM |
| Growth and recruitment rates of juvenile blue crabs in Chesapeake Bay | The Trout Unlimited Experience Teaching Aquatic Stewardship to Youth | Influence of physical stream attributes on the distribution and abundance of a native montane Rio Grande fish community. | Pursuit of sustainability in Forest Service management - the interactions of law and science | |
| <i>SO-26-13</i> | <i>SO-27-14</i> | <i>SO-28-15</i> | <i>SO-29-04</i> | |
| DiNardo, Gerard T. | Matthees, Jenifer* | Babakaiff, Scott* | Brady, James A.* | 3:00 PM |
| Causes for the Switch in Lobster Species Dominance in the Northwestern Hawaiian Islands | MinnAqua's products, programs and practices towards participation and stewardship | Are relations of at-a-station hydraulic geometry useful for considering minimum instream flows? | A prototype index for comparatively scoring sustainability of Pacific salmon ecosystems. | |
| <i>SO-26-14</i> | <i>SO-27-15</i> | <i>SO-28-16</i> | <i>SO-29-05</i> | |



| September 14 Wednesday | The Influence of Dams on River Fisheries | Ecology and Management of North American Prairie Streams | Written communications: Writing and Reviewing Papers for Fisheries Journals | Pacific Salmon Environment and Life History Models: Advancing Science for Sustainable Salmon in the Future |
|---------------------------------------|--|--|--|--|
| Room | Egan 11-12 | Egan 13 | Egan 14 | ACPA- Atwood |
| Moderator | Susan O'Brien | Robert Bramblett | Donna Parrish, Katie Bertrand & Martha Mather | Hal Michael |
| 1:30 PM | Introduction | | | |
| 1:40 PM | Ploskey, Gene R.*; Schilt, Carl R; Weiland, Mark A; Johnson, Gary E; Ebberts, Blaine D | Watson, Jackie M.*; Bonner, Timothy H | Parrish, Donna L.* | Lawson, Peter W.* |
| | Effects of spill discharge on fish passage efficiencies at Bonneville Dam, Columbia River, USA | Changes in fish assemblage and habitat associations following a large flood event in a Pecos River tributary | Introduction: Improving written communications | Incorporating habitat capacity in salmon life-cycle models |
| | SO-30-11 | SO-31-12 | SO-33-01 | SO-14-21 |
| 2:00 PM | Weiland, Mark A.*; Ploskey, Gene R; Ebberts, Blaine D | Thel, Laura A.*; Rahel, Frank J. | Moseley, Charles* | Steel, E. Ashley*; Beechie, Timothy J.; Ruckelshaus, Mary H. |
| | Performance of a new juvenile salmonid surface collector at Bonneville Dam, Columbia River, USA | Summer movements of creek chubs (<i>Semotilus atromaculatus</i>) in a plains stream | The submission, review, and production process for AFS journals | What answers can we expect from habitat models? |
| | SO-30-12 | SO-31-13 | SO-33-02 | SO-14-22 |
| 2:20 PM | Naughton, George P.*; Caudill, Christopher C; Peery, Christopher A; Clabough, Tami S; Jepson, Michael A; Stuehrenberg, Lowell C | Eitzmann, Jeff* ; Makinster, Andrew ; Paukert, Craig | DeVries, Dennis R.* | Steward, Cleveland R.*; Hinson, Dustin R. |
| | Effects of fishway modifications on passage behavior of adult Chinook salmon and steelhead at Lower Granite Dam, Snake River | Spatial and temporal patterns in blue suckers in the Kansas River, Kansas | Reviews and the editorial process: an editor's perspective | Data Requirements Of Salmon Production Capacity Models: What Do We Have To Work With? |
| | SO-30-13 | SO-31-14 | SO-33-03 | SO-14-23 |
| 2:40 PM | Beeman, John* ; Counihan, Tim ; Liedtke, Theresa ; Langeslay, Mike | Franzin, William G.*; Watkinson, Douglas A. | Stein, Roy A.*; Marschall, Elizabeth A | Augerot, Xan ; Rand, Peter ; Kellon, Cathy P.*; Steinback, Charles ; Robillard, Greg |
| | Optimizing spill for fish passage at a large hydroelectric dam | Distributions of fishes in relation to watershed characteristics and effects of vicariance in Canadian Prairie watersheds. | Training Students in the Art of Manuscript Review | Building the conceptual and data framework to underpin Pacific salmon production modeling: Progress on a range-wide data inventory |
| | SO-30-14 | SO-13-15 | SO-33-04 | SO-14-24 |
| 3:00 PM | Frick, Kinsey E.*; Burke, Brian J; Peery, Christopher A | Wall, Steven S.*; Smith, Vickie J; Berry, Charles R; Jenks, Jonathan A | Jolley, Jeffrey C.*; Graeb, Brian D.S. | Lapointe, Michael F.*; Tovey, Christine P.; Hume, Jeremy ; Latham, Stephen J. |
| | Turn-Arounds and Retreat Distances for Fall Chinook Salmon During Dam Passage Attempts on the Mainstem Columbia River (1998-2004) | Distribution of native fish assemblages across the upper Missouri River Basin and areas for conservation | Writing and reviewing: The students' perspective | Challenges facing implementation of ecosystem-based models: Experiences with "salmon-centric" management on the Fraser River. |
| | SO-30-15 | SO-13-16 | SO-33-05 | SO-14-25 |



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|---|--|---|--|-------------------------------|
| Partnerships for a Common Purpose: Cooperative Fisheries Research and Management | Marine Fish Ecology | Science Bridging Five Nations: The Bering-Aleutian Salmon International Survey | Biology, Assessment, and Management of Pacific Rockfishes (Lowell Wakefield Fisheries Symposium) | September 14 Wednesday |
| ACPA- Discovery | ACPA- Laurence | ACPA- Voth | Hilton Denali | Room |
| John Schwartz | Debra Murie | Jim Seeb | Sherri Pristash | Moderator |
| Introduction | | | | 1:30 PM |
| Glass, Chris* 1:40 Opportunities for Linking Cooperative Research and Management: Participant's Needs and Interests SO-15-30 | Duffy, Elisabeth J.*; Beauchamp, David A; Overman, Nathanael | Sviridov, Vladimir V.* | Bellman, Marlene A.*; Heppell, Scott A. | 1:40 PM |
| Graham, Gary* 1:50 Opportunities for Linking Cooperative Research and Management: Participant's Needs and Interests SO-15-31 | Predation by Cutthroat Trout on Juvenile Salmon in Puget Sound CO-07-28 | Analysis of spatial distribution patterns of pelagic nekton species in the Bering Sea & adjacent N. Pacific waters as a reflection of their adaptive strategy based on BASIS-related & archival trawl surveys data of TINRO-Center SO-23-12 | Trawl effort distribution off the US Pacific coast: Regulatory shifts and seafloor habitat implications SO-13-27 | |
| Krueger, Chuck* 2:00 Opportunities for Linking Cooperative Research and Management: Participant's Needs and Interests SO-15-32 | Cross, Alison D.*; Beauchamp, David A.; Moss, Jamal H.; Myers, Katherine W. | Seeb, James E.* | Fina, Mark* | |
| Martin, Sean* 2:10 Opportunities for Linking Cooperative Research and Management: Participant's Needs and Interests SO-15-33 | Early marine growth of pink salmon cohorts exhibiting low and high survival to adulthood CO-07-29 | Importance of genetic stock identification for BASIS research SO-23-13 | Central Gulf of Alaska Rockfish Pilot Rationalization Program SO-13-28 | 2:00 PM |
| 2:20 - 3:20 Panel Discussion: Opportunities for Linking Cooperative Research and Management: Participant's Needs and Interests | Burril, Sean E.*; Hillgruber, Nicola; Zimmerman, Chris E. | Smith, Christian T.*; Seeb, James E. | Stanley, Richard D.*; Koolman, John; Mose, Brian | 2:20 PM |
| | Condition and feeding ecology of juvenile chum salmon (<i>Oncorhynchus keta</i>) in Kuskokwim Bay, Western Alaska CO-07-30 | SNPs provide standardized genetic data for mixture and migratory studies of pacific salmon SO-23-14 | Management of rockfish in an n-dimensional hyperspace SO-13-29 | |
| | Clarke, Peter J.*; Juanes, Francis | Varnavskaya, N. V.*; Shpigalskaya, N. Y.; Brykov, V. V.; Kukhlevsky, A. D. | McElderry, Howard I.*; Stanley, Richard D; Trager, Diana M. | 2:40 PM |
| Winter Recruitment of Young-of-the-Year Bluefish into a Northeast Florida Estuary. CO-07-31 | The mtDNA Variation in Populations of Asian Chinook Salmon and Comparison with Differentiation Revealed by Allozyme Markers SO-23-15 | Electronic Monitoring As An Audit Tool For Fishing Logbook Data SO-13-30 | | |
| | Adams, Charles F.*; Pinchuk, Alexei I; Coyle, Kenneth O | Guthrie, Charles M.*; Wilmot, Richard L. | Hastie, James D.*; Miller, Stacey D | 3:00 PM |
| | Seasonal changes in the diet of walleye pollock in the northern Gulf of Alaska CO-07-32 | Identification of Southeast Alaska and Northern British Columbia Sockeye Salmon Stocks Using Single Nucleotide Polymorphisms SO-23-16 | Rebuilding Depleted West Coast Rockfish Species: Management Initiatives and Results SO-13-31 | |



| September 14 Wednesday | Fisheries Management | Recent Advances in Hydroacoustic Assessment of Fish Populations in Marine and Riverine Environments | Stream and Watershed Restoration: Planning, Prioritizing, and Monitoring | Communities and Ecosystems |
|-------------------------------------|--|--|--|---|
| Room | Egan 1 | Egan 2 | Egan 3 | Egan 4 |
| Moderator | Brett Roper | Suzanne Maxwell | Barry Baldigo | Sue Walker |
| 3:20 PM | | | | |
| 3:40 PM | Moyer, Gregory R.*; David, Loomis W; Banks, Michael A | Rudstam, Lars G.*; Mason, D. ; Sullivan, P. J. ; Parker Stetter, S. L. ; Warner, D. M. | Nislow, Keith H.* | Sass, Greg G.*; Kitchell, James F.; Carpenter, Stephen R. |
| | Assessing reproductive success of hatchery and wild coho salmon from the Calapooya River, Oregon using pedigree construction | Development of standard operating procedures for acoustic surveys in the Laurentian Great Lakes | Using models, stable isotopes and experiments to guide nutrient restoration activities in the Scottish Highlands | Fish Community and Food Web Responses to a Whole-lake Removal of Coarse Woody Habitat |
| | <u>CO-12-17</u> | <u>SO-24-17</u> | <u>SO-25-17</u> | <u>CO-13-17</u> |
| 4:00 PM | Connerton, Michael J.*; Everitt, Dustin W.; Penney-Sabia, Mary ; Ringler, Neil H.; Rudstam, Lars G.; Bishop, Daniel | Thorne, Richard E.*; Thomas, Gary | Bair, T. Brian*; Connolly, Patrick J.; Mesa, Mathew G.; Rawding, Dan | Moore, Jonathan W.*; Schindler, Daniel E. |
| | Chinook Salmon Stock and Recruitment in a New York River: Old and New Techniques for Assessment of River Production | Acoustic Surveys and the Wasp-Waist Concept: An Approach to Ecosystem Understanding | Watershed Restoration and Steelhead Population Recovery Efforts in Washington's Wind River | Impacts of bioturbation by spawning salmon on the community dynamics and ecosystem processes of Alaskan streams |
| | <u>CO-12-18</u> | <u>SO-24-18</u> | <u>SO-25-18</u> | <u>CO-13-18</u> |
| 4:20 PM | Hoffnagle, Timothy L.*; Carmichael, Richard W; Keniry, Patrick J; Frenyea,, Kathryn A; Eddy, Debra L | Knudsen, Frank R.*; Larsson, Petter ; Jakobsen, Per | Marshall, David W.; Pielsticker, William J; Hennessy, Joseph* | Honea, Jon M.*; Gara, Robert I. |
| | Comparison of Life History and Production of Natural and Hatchery Chinook Salmon in the Imnaha River Supplementation Program | Acoustic scattering from <i>Chaoborus flavicans</i> larvae at six discrete echosounder frequencies | Grassland bird habitat restoration revives trout streams in southwest Wisconsin | Effect of Spawning Salmon on Seasonal Changes in Structure and Function of the Macroinvertebrate Community of Kennedy Creek |
| | <u>CO-12-19</u> | <u>SO-24-19</u> | <u>SO-25-19</u> | <u>CO-13-19</u> |
| 4:40 PM | Lawrie, Sarah* ; Petrell, Royann J; Ashley, Ken ; Johnson, Ronald B | Ploskey, Gene R.*; Nagy, William T. | McHenry, Michael L.*; Pess, George R; Winans, Gary ; Crain, Patrick V.; House, Marcia | Johnson, Susan P.*; Schindler, Daniel E; Quay, Paul ; Francis, Robert |
| | Timing of in-stream fertilizer addition for effective coho salmon and steelhead trout production | Development of an autotracker for a pan-and-tilt DIDSON application | Elwha River restoration - monitoring the response of fisheries and aquatic ecosystems at the watershed scale | Scale Tales: Biocomplexity in the North Pacific |
| | <u>CO-12-20</u> | <u>SO-24-20</u> | <u>SO-25-20</u> | <u>CO-13-20</u> |
| 5:00 PM | Krueger, Damon M.*; Rutherford, Edward S; Mason, Doran M | Higginbottom, Ian* ; Wilson, Matt | Larsen, David P.*; Urquhart, N. Scott | Latvaitis, P. Bradley; Allan, Jon W.*; Reider, Robert H.; Rochow, John J. |
| | Factors influencing out migration success of salmonid smolts from a large Lake Michigan tributary | Fish tracking for the DIDSON acoustic imaging system: A prototype implementation and model for future development | Designs for estimating variability structure and implications for detecting watershed restoration effectiveness. | Mitigation and Compensation for fish losses at the Ludington Pumped Storage Project located on Lake Michigan. |
| | <u>CO-12-21</u> | <u>SO-24-21</u> | <u>SO-25-21</u> | <u>CO-13-21</u> |
| 5:20 PM | Lomnický, Gregg A.*; Hughes, Robert M.; Whitter, Thom R.; Peck, David V. | Wilson, Chris D.*; Walline, Paul | Ehinger, William J.*; Bilby, Robert ; Volkhardt, Greg ; Quinn, Timothy ; McHenry, Mike ; Pess, George | |
| | Ecoregional and state differences in the effects of nonnative fish on fish assemblage structure | Short-term effects of commercial fishing activity on the distributional pattern of walleye pollock See Note #2 for more presentations at 5:40 & 6:00 | Intensively Monitored Watersheds (IMWs)-Connecting habitat restoration with salmon production | |
| | <u>CO-12-22</u> | <u>SO-24-22</u> | <u>SO-25-22</u> | |



| Crustacean Fisheries Science and Assessment | The Theory and Practice of Aquatic Stewardship Education | Fluvial Geomorphology and Fish Habitat Symposium | Why is Sustainability So Difficult? - Understanding and Addressing Impediments to Conserving Aquatic Resources | September 14 Wednesday |
|--|---|--|--|------------------------|
| Egan 5 | Egan 6 | Egan 7-8 | Egan 9-10 | Room |
| Gordon Kruse | Barbara Knuth | Tamara Massong | Dave Cannon | Moderator |
| | | | | 3:20 PM |
| Holsman, Kirstin K.*; McDonald, P. Sean ; Armstrong, David A. | Bruskotter, Jeremy T.*; Fulton, David C. | Hilldale, Robert C.* | Bosworth, Robert G.* | 3:40 PM |
| Energetic demands, interference competition, and physical structure drive habitat selection by migrating Dungeness crab. | Angler Ethics in a Rapidly Changing World | Using airborne bathymetric LiDAR and multi-dimensional hydraulic modeling to assess stream channel habitat | Beyond Agency Boundaries: the role of public-private partnerships for salmon habitat conservation in Alaska | |
| SO-26-15 | SO-27-16 | SO-28-17 | SO-29-06 | 4:00 PM |
| Taggart, S. James*; Mondragon, Jennifer ; Andrews, Alexander ; Nielsen, Julie K.; Shirley, Thomas C. | Anderson, Jim* | Martin, Douglas J.*; Lucchetti, Gino ; Benda, Lee | Cannon, David J.* | |
| Spatial distribution and relative abundance of Tanner and red king crabs: Implications for marine reserve design | The Cockroach Bay Users Group: A Model for Environmentally Friendly Boaters | Channel Geomorphology, Disturbance Processes, and the Spatial Structure of Chinook Salmon Populations in Rivers | Human Nature, Human Influences Are The Last Frontier's Aquatic Resources Really That Different? | |
| SO-26-16 | SO-27-17 | SO-28-18 | SO-29-07 | 4:20 PM |
| Mondragon, Jennifer* ; Taggart, Spencer J.; Andrews, Alex G.; Nielsen, Julie K. | Tudor, Margaret* | Klinger, Ralph E.* | Pajak, Paul* | |
| Testing the Effectiveness of a High Latitude Marine Reserve: A Multi-Species Movement Study in Glacier Bay, Alaska | Citizen Science: Stewardship Education in Washington State | Improving salmon habitat and natural river processes with levee setback on the Yakima River, Washington | Sustainability "Report Cards": A Critical Tool for Effective Citizen-Based Natural Resource Management? | |
| SO-26-17 | SO-27-18 | SO-28-19 | SO-29-08 | 4:40 PM |
| Eggleston, David B.* | | Hanrahan, Timothy P.*; Geist, David R | Rue, Frank* | |
| Impact of Recreational Sport Divers on Spiny Lobster | PANEL DISCUSSION | Bedform morphology of fall Chinook salmon spawning areas | Alaska Can Be Different. Staying the Course and Overcoming Obstacles to Sustainable Fisheries Management | |
| SO-26-18 | SO-27-19 | SO-28-20 | SO-29-09 | 5:00 PM |
| Nielsen, Julie K.*; Taggart, Spencer J.; Shirley, Thomas C.; Mondragon, Jennifer ; Andrews, Alexander G. | | Geist, David R.*; Arntzen, Evan V; Hanrahan, Timothy P | | |
| Distribution of juvenile Tanner crabs in Glacier Bay: A link between glaciers and Tanner crab recruitment? | | Hyporheic zone characteristics within Chinook salmon spawning sites in the Hanford Reach of the Columbia River, Washington | DISCUSSION | |
| SO-26-19 | | SO-28-21 | SO-29-10 | 5:20 PM |
| Reyns, Nathalie B.*; Eggleston, David B; Luettich, Richard A | | Rempel, Laura L.*; Church, Michael | | |
| Secondary dispersal of blue crabs in Pamlico Sound, North Carolina | | The congruence between habitat structure and fish community structure in the gravel-bed reach of Fraser River | | |
| SO-26-20 | | SO-28-22 | | |



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| September 14 Wednesday | The Influence of Dams on River Fisheries | Ecology and Management of North American Prairie Streams | Written communications: Writing and Reviewing Papers for Fisheries Journals | Pacific Salmon Environment and Life History Models: Advancing Science for Sustainable Salmon in the Future |
| Room | Egan 11-12 | Egan 13 | Egan 14 | ACPA- Atwood |
| Moderator | Susan O'Brien | Robert Bramblett | Donna Parrish, Katie Bertrand & Martha Mather | Cleve Steward |
| 3:20 PM | | | | |
| 3:40 PM | <p>McMichael, Geoffrey A.*; Carlson, Thomas ; McComas, Lynn ; Ebberts, Blaine</p> <p>Development of a new acoustic telemetry system for monitoring juvenile salmon survival</p> <p><i>SO-30-16</i></p> | <p>Wuellner, Melissa R.*; Bramblett, Robert G.; Guy, Christopher S.; Zale, Alexander V.</p> <p>Influences of Landscape and Local Habitat Features on Fish Distribution in Streams in the Great Plains of Montana</p> <p><i>SO-31-17</i></p> | <p>Mather, Martha* ; Dettmers, John ; Parrish, Donna</p> <p>Navigating the changing landscape of fisheries publications: Setting a course, avoiding the rocks, and facilitating the rescue</p> <p><i>SO-33-06</i></p> | <p>Scott, James B.*; Mobrand, Lars E</p> <p>Capturing the Complexity of Population Survival: Multi-Attribute Tools Advance Salmon Recovery Planning</p> <p><i>SO-14-26</i></p> |
| 4:00 PM | <p>Turek, James G.*</p> <p>Diadromous fish passage: restoration assessment and monitoring associated with low-head dams in Northeastern U.S.</p> <p><i>SO-30-17</i></p> | <p>Gelwick, Fran* ; Herbert, Matthew ; Dictson, Nikki ; Healy, Brian ; Morgan, Michael N.; Li, Raymond</p> <p>Fish assemblages from the shortgrass steppes, to the prairies and savannas in Texas: Evidence of shifting ecosystems?</p> <p><i>SO-31-18</i></p> | <p>Wright, Russell A.*</p> <p>Non-traditional publications: From meta-analysis to the popular press</p> <p><i>SO-33-07</i></p> | <p>Knudsen, Eric* ; Bishop, Susan</p> <p>Symposium Wrap-Up: Pacific Salmon Management Models in the Past, Present, and Future</p> <p><i>SO-14-27</i></p> |
| 4:20 PM | <p>Skrabis, Kristin E.*; Curtis, Gary ; Diamond, David</p> <p>Cumulative impact assessment and mitigation of salmon injuries: A case study on hydropower dams in the Pacific Northwest</p> <p><i>SO-30-18</i></p> | <p>Quist, Michael C.; Hubert, Wayne A.*; Bower, Michael R.; Rahel, Frank J.</p> <p>Management issues associated with plains streams in Wyoming: past, present, and future</p> <p><i>SO-31-19</i></p> | <p>Bence, James R.*</p> <p>Beyond hypothesis testing: Including and explaining useful statistical results</p> <p><i>SO-33-08</i></p> | <p>Kramer, Sharon*</p> <p>Discussion</p> <p><i>SO-14-28</i></p> |
| 4:40 PM | <p>Moderator: Shawn Alam</p> <p>PANEL</p> <p><i>SO-30-19</i></p> | <p>Taylor, Christopher M.*</p> <p>Long-term changes in Oklahoma prairie stream fish assemblages</p> <p><i>SO-31-20</i></p> | <p>Fabrizio, Mary C.*; Phelan, Beth A.</p> <p>Authorship of scientific papers: Who should be an author?</p> <p><i>SO-33-09</i></p> | |
| 5:00 PM | | <p>Matthews, William J.*; Marsh-Matthews, Edie ; Cashner, Robert C; Gelwick, Frances P</p> <p>Half a century of changes in the fishes of a small Great Plains stream: Brier Creek, Oklahoma</p> <p><i>SO-31-21</i></p> | <p>Rose, Kenneth A.*</p> <p>Multi-authored collaborative papers: The future is now and we need to catch up</p> <p><i>SO-33-10</i></p> | |
| 5:20 PM | | | <p>DISCUSSION</p> <p><i>SO-33-11</i></p> | |



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| Partnerships for a Common Purpose: Cooperative Fisheries Research and Management | Marine Fish Ecology (3:40 - 4:20pm)/ Fisheries Conservation (4:20 - 5:40pm) | Science Bridging Five Nations: The Bering-Aleutian Salmon International Survey | Biology, Assessment, and Management of Pacific Rockfishes (Lowell Wakefield Fisheries Symposium) | September 14 Wednesday |
| ACPA- Discovery | ACPA- Laurence | ACPA- Voth | Hilton Denali | Room |
| Jim Murray | Debra Murie/ M. Bryant | Jim Seeb | Sherri Pristash | Moderator |
| | | | | 3:20 PM |
| Kendall, Peter* 3:40 Opportunities for Linking Cooperative Research & Mgmt.: Participant's Needs & Interests SO-15-35 | Underkoffler, Karen E.*; Ashford, Julian R; Jones, Cynthia M | Habicht, Christopher*; Wilmot, Richard L.; Guthrie, Charles M.; Varnavskaya, Nataly V.; Seeb, James E. | DiCosimo, Jane* ; Spencer, Paul ; Gaichas, Sarah | 3:40 PM |
| Lent, Rebecca* 3:50 Opportunities for Linking Cooperative Research & Mgmt.: Participant's Needs & Interests SO-15-36 | Oxygen and carbon stable isotopes in otoliths record population isolation of Patagonian toothfish CO-07-33 | DNA markers identify distribution of stocks of sockeye salmon in the Bering Sea SO-23-17 | Increasing protection of non-target rockfish species in the North Pacific SO-13-32 | |
| Pomeroy, Robert* 4:00 Opportunities for Linking Cooperative Research and Mgmt.: Participant's Needs and Interests SO-15-37 | Mazur, Michael M.*; Wilson, Matt ; Dougherty, Annette ; Beauchamp, David A | Abe, Syuiti* ; Moriya, Shogo ; Sato, Shunpei ; Yoon, Moongeun ; Azumaya, Tomonori | Sagalkin, Nicholas* | |
| Schratwieser, Jason* 4:10 Opportunities for Linking Cooperative Research and Mgmt.: Participant's Needs and Interests SO-15-38 | A bioenergetic approach to understanding spatial-temporal variations in juvenile walleye pollock growth in the Gulf of Alaska CO-07-34 | DNA microarray analysis on board ships for genetic stock identification of chum salmon in the Bering Sea and adjacent waters SO-23-17 | Past, current, and future commercial fisheries management of black rockfish in the western Gulf of Alaska. SO-13-33 | 4:00 PM |
| 4:30 - 5:30 Panel Discussion: Opportunities for Linking Cooperative Research and Management: Integration | Morgan II, Raymond P.*; Kline, Matthew J; Wiley, Derek J; Hilderbrand, Robert H | Kondzela, Christine M.*; Murphy, James M; Farley, Edward V; Wilmot, Richard L | Yamanaka, K. Lynne* ; Grandin, Chris ; Lacko, Lisa C. | |
| | Fragmentation, compression and extinction of Maryland brook trout populations CO-11-01 | Origin of immature and juvenile chum salmon collected on U.S. BASIS surveys SO-23-19 | Assessment and management of quillback rockfish (<i>Sebastes maliger</i>) in a live-fish fishery in British Columbia. SO-13-35 | |
| | Leckvarcik, Leslie G.*; Stauffer, Jay R. | Urawa, Shigehiko* ; Azumaya, Tomonori ; Seeb, Lisa | Ralston, Stephen V.*; Punt, Andre E.; MacCall, Alec D.; Methot, Richard | |
| | Restoration of two Pennsylvania-endangered minnows the bridge shiner and the ironcolor shiner CO-11-02 | Origin and distribution of chum salmon in the Bering Sea SO-23-20 | A Management Strategy Evaluation of Rebuilding Revision Rules for Overfished Groundfish Stocks SO-13-36 | |
| | Carter, Codey D.*; Rinne, John N | Moran, Paul* | | 5:00 PM |
| | Potential Effects of Ash Flows on Southwestern Fishes: Laboratory Ash LC-50s SO-15-40 | Standardizing multi-laboratory microsatellite data collection: An international data base for Chinook harvest management SO-23-21 | | |
| | | Seeb, Lisa W.* | | 5:20 PM |
| Conclude and Wrap Up SO-15-41 | | Single nucleotide polymorphism and microsatellite DNA describe origins of chum salmon caught in Alaskan fisheries SO-23-22 | | |