



2003 NWFCC Agenda
 December 2-4, 2003
 Doubletree Hotel, Lloyd Center, Portland, OR



Session #1- Hatchery/ Wild Interactions: Dr. Barry Berejikian (NOAA Fisheries, Northwest Fisheries Science Center, Behavioral Ecology Team Leader) Convener

Ab/pp	Patrick Hulett , Cameron Sharpe, Chris Wagemann, and Chris Gleizes (WDFW)	Reducing Risks to Wild Stocks: Hatchery Steelhead Programs Using Wild and Domestic Broodstock Sources on the Kalama River, Washington
Read Email	William Ardren (USFWS) and Michael Blouin (Oregon State Univ.)	Assessing the Fitness of Hatchery and Natural-origin Steelhead Trout in the Hood River
Ab/pp	Mike Crewson and Steven Young (Tulalip Natural Resources Division)	Changes in Tulalip Tribal Enhancement Program Practice to Minimize Negative Effects on Natural and Program Fish
Ab/pp	Tim Tynan (NOAA Fisheries- NWR), Thom Johnson (WDFW) and Chris Weller (Point-No-Point Treaty Council)	Addressing the Potential Effects of Hatchery Interactions on the ESA Listed Species, Hood Canal Summer Chum Salmon
Ab/pp	Kathy Hopper , Rick Endicott, and Joy Lee (Long Live the Kings) and Barry Berejikian (NOAA Fisheries- NWFSC)	Steelhead Supplementation in the Hamma Hamma River, WA: Minimizing Genetic and Ecological Risks to the Wild Population
Ab/pp w/video and audio	Rod Engle and Tom Hoffman (USFWS)	Use of Video Technology to Investigate Hatchery and Wild Fish Interactions and Hatchery Fish Behavior

Session #2- Broodstock Techniques: Michael Delarm (NOAA Fisheries, NW Region, Salmon Recovery Division) Convener

Ab/pp (coming)	Marla Chaney (ODFW)	An Overview of Uses and Applications of Ultrasound in Fish Culture
Ab/pp (coming)	Tim Hoffnagle and Marla Chaney (ODFW)	The Use of Ultrasound for Early Determination of Maturation and Sex in Captive Broodstock Chinook Salmon
Ab/pp	Anna Cavinato , Calvin Davis, and Heather Peters (Eastern Oregon University), Tim Hoffnagle (ODFW) and David Mayes (Dsquared Development, Inc.)	Classification of Gender and Maturity Status In Chinook and Coho Salmon by Short Wavelength Near Infrared Spectroscopy

Session #3- Non-Salmonid Culture: Dr. Mike Rust (NOAA Fisheries, Northwest Fisheries Science Center, Marine Fish Enhancement Team Leader) Convener

Ab	Sage Chaiyapechara (Univ. of Washington), Faye Dong (Univ. Of Illinois), Ken Masee, Harold Barnett, and Michael Rust (NOAA Fisheries- NWFSC)	Proximate Composition and Sensory Evaluation of Juvenile Sablefish (<i>Anoploma fimbria</i>) Fed Diets Containing 10% to 30% Lipid
	Ken Masee , Ron Sailor*, Thomas Scott, and Michael Rust (NOAA Fisheries- NWFSC) and Roderick Campbell and Beverly Braid** (WDFW) [*Deceased ** No longer with WDFW]	The Effects of Light, Feed Type, Artificial Substrate and Stocking Density of Larval Lingcod (<i>Ophiodon elongatus</i>) Cultured in Floating Bags
Ab (Coming)	Matthew Cook , Mike Rust, Ronald Johnson, Chris Langdon, Frederic Barrows, Pete Nicklason, and Brendon Clack (NOAA Fisheries- NWFSC)	Development of Effective Microparticulate Diets for Marine Fish Larvae
Ab	Mike Rust (NOAA Fisheries- NWFSC)	Beyond the Adipose Fin
Ab/pp	Colin Nash (NOAA Fisheries- NWFSC)	Pacific Aquiculture Caucus

Session #4- Physiology and Fish Health: Dr. Mark Strom (NOAA Fisheries, Northwest Fisheries Science Center, Fish Health/Microbiology Team Leader) Convener

Ab/pp (coming)	Penney Swanson and Karl Shearer (NOAA Fisheries- NWFSC) and B. Campbell (Univ. of Washington)	Controlling Age and Seasonal Timing of Reproduction in Cultured Pacific Salmon
Ab	Donald Larsen , Brain Beckman, Paul Parkins, Kathy Cooper, and Walt Dickoff (NOAA Fisheries- NWFSC)	Effects of Growth on Precocious Male Maturation of Salmon
Ab/pp	Roberta Scott, Douglas Munson , and Keith Johnson (IDFG)	Management of Bacterial Kidney Disease with the “New” Kirkegaard and Perry Antibodies
Ab/pp	Linda Rhodes , Cindra Rathbone, Lee Harrell, and Mark Strom (NOAA Fisheries- NWFSC) and Stephen Corbett (National Park Service- Olympic National Park)	The Potential for Vaccines in Controlling Bacterial Kidney Disease
Ab/pdf /pp	Jim Bowker, Molly Bowman , Dab Carty, Bonnie Johnson, and Dave Erdahl (USFWS)	The Efficacy and Safety of AQUI-S® as an Anesthetic on Freshwater Fish
Ad/pdf/ pp	Jim Bowker , Dave Erdahl, Dan Carty, Molly Bowman, and Bonnie Johnson (USFWS)	Calcein and Florfenicol: Update on a new USFWS INAD and the Completion of and Initial Approval for Use of Florfenicol-medicated Feed in Aquiculture

Ad/pp (coming)	Jon Amberg, S.M.A Moblin, and Christine Moffitt (Univ. Of Idaho)	Profile of Bacterial in the Gastrointestinal Tract of Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) Before, During, and Following Administration of Erythromycin Rations
Ab/2pp (1 here 1 coming)	Mary Edwards (Nez Perce Tribe) and John Kaufman (ODFW)	Appearance of Squamous Cell Carcinomas in Four Spring Chinook Salmon Populations in Northeast Oregon: A Review of Its History, Current Distribution, and Potential Management Implications

Session #5- Hatcheries and Conservation/Restoration: Tom Flagg (NOAA Fisheries, Northwest Fisheries Science Center, Program Manager, Fisheries enhancement) Convener

	Don Campton (USFWS)	Management Goals for Hatchery Broodstock- Genetic Integration vs. Segregation
Ab/pp	Herb Pollard (NOAA Fisheries- NWR) and Tom Flagg (NOAA Fisheries- NWFSC)	Broodstock Protocols
Ab/pp (coming)	Des Maynard , Tom Flagg, Robert Iwamoto, and Conrad Mahnken (NOAA Fisheries- NWFSC)	A Review of Recent Studies investigation Seminatural Rearing Strategies as a Tool for Increasing Pacific Salmon Post-release Survival
Ab/pp (Coming)	Dave Fast (Yakama Nation)	Monitoring and Evaluation of a Production Chinook Supplementation Facility
Ab/pp	Jeff Heindel , Danny Baker, Paul Kline, and David Vendetti (IDFG) and William McAuley (NOAA Fisheries- NWFSC)	Use of Hydraulic Sampling Methods to Source Spring Chinook Salmon Eggs for a Captive Propagation Program
	William Fairgrieve (Pacific States Marine Fisheries Commission) and Carlin McAuley and Deborah Frost (NOAA Fisheries- NWFSC)	Effects of Growth Rate Modulation on Age at Maturity of Redfish Lake Sockeye Salmon Captive Broodstock

Session #6- General Hatchery Practices: RZ Smith (NOAA Fisheries, NW Region, Salmon Recovery Division, Director- Columbia River Fisheries Development Program) Convener

Ab/pp	Mark Lewis , Mary Buckman, and Mario Solazzi (ODFW)	Oregon's New Hatchery Research Center
Ab/pp	Donald Peterson (Freshwater Fisheries Society of British Columbia)	Freshwater Fisheries Society of B.C.– A New Model For Delivery of Government Fish Culture Programs
Ab/pp	David Fast (Confederated Tribes of the Yakama Nation)	The Culture, Monitoring, and Evaluation of Reconditioned Kelt Steelhead in the Yakama River Basin

Ab	William Gale, Gayle Zydlewki , John Holmes, Jeff Johnson, Bill Thorson (USFWS), and Troy Brigham (Smith-Root, Inc.)	An Evaluation of Electro-anesthesia Techniques Using Adult Spring Chinook Salmon at Carson National Fish Hatchery
Ab/pp	Peter Brown , Peter Spyksma, and Bob Swinhoe (FFSBC)	Upwelling Incubator Modifications, or “Go Up Young Man, Go Up!”
Ab/pp	Scott Foott , R. Harmon, and R. Stone (USFWS)	Effect of Elevated Water Temperatures on Smolt Development and Non-specific Immune Functions in Trinity River Chinook Salmon Smolts
Ab/pp	Christine Mallette and Goeffrey Gribble (ODFW)	Automated Fish Marking – Using the AutoFish System in Oregon
Ab/pp	Jim Bailey (Golder Associates)	Optimizing Water Supply Well Performance
Read Email	Steve Pastor (USFWS)	An Evaluation of Fresh water Recoveries of Fish Released from National Fish Hatcheries in the Columbia River Basin, and Observations of Straying
	Loren Jensen and Marla Chaney (ODFW)	Cryopreserved Sperm – How much is enough? How much is too much?
Ab/pp	David Hand , Doug Olsen, and Tom Hoffman (USFWS) and Bob Spateholts and Geoff FitzGerald (Confederated Tribes of the Warm Springs Reservation)	Outplanting Adult Hatchery Fish into the Stream as a Way to Increase Natural Production