

Fish and Wildlife Research Supported by Bonneville Power Administration
Fall 2015

BPA ratepayers are helping fund scholarly research that is advancing fish and wildlife recovery in the Columbia River Basin and helping ensure BPA’s fish and wildlife program is based on the best available science. Below is a list and links to recent (2010 and later) articles published in peer-reviewed journals by scientists working on fish and wildlife research funded in part or all by BPA.

AUTHOR	NAME OF ARTICLE	YEAR PUBLICATION NAME
Achord, Stephen	In-stream Monitoring of PIT-tagged wild Spring/Summer Chinook Salmon Juveniles in Valley Creek, Idaho	2011 American Fisheries Society Symposium
Baldwin, Casey	Abundance and seasonal shifts in vertical and horizontal distribution of lake whitefish (Coregonus clupeaformis) in a western United States reservoir	2011 Journal of Freshwater Ecology Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology 2010 Integrative Physiology 2013 Global Change Biology
Bayer, Jennifer	Annual sex steroid and other physiological profiles of Pacific lampreys (Entosphenus tridentatus)	2010 Canadian Journal of Fisheries and Aquatic Sciences
Beer, W. Nicholas	Sensitivity of salmonid freshwater life history in western US streams to future climate conditions Mating success of alternative male phenotypes and evidence for frequency-dependent selection in Chinook salmon, Oncorhynchus tshawytscha	2011 North American Journal of Aquaculture
Berejikian, Barry	Rearing in Enriched Hatchery Tanks Improves Dorsal Fin Quality of Juvenile Steelhead	
Berejikian, Barry	Diminished Reproductive Success of Steelhead from a Hatchery Supplementation Program (Little Sheep Creek, Imnaha Basin, Oregon)	2011 Transactions of the American Fisheries Society
Berntson, Ewann	Evaluating Adaptive Divergence Between Migratory and Nonmigratory Ecotypes of a Salmonid Fish, Oncorhynchus mykiss	2013 G3 Journal
Berntson, Ewann	Genetic Monitoring Reveals Genetic Stability within and among Threatened Chinook Salmon Populations in the Salmon River, Idaho	2011 North American Journal of Fisheries Management
Blouin, Michael	Bayesian parentage analysis reliably controls the number of false assignments in natural populations	2013 Molecular Ecology
Blouin, Michael	Bayesian parentage analysis with systematic accountability of genotyping error, missing data and false matching	2013 Bioinformatics
Blouin, Michael	Effective size of a wild salmonid population is greatly reduced by hatchery supplementation	2012 Heredity Proceedings of the National Academy of Sciences of the United States of America
Blouin, Michael	Genetic adaptation to captivity can occur in a single generation	
Blouin, Michael	How Much Does Inbreeding Contribute to the Reduced Fitness of Hatchery-Born Steelhead (Oncorhynchus mykiss) in the Wild?	2013 Journal of Heredity
Blouin, Michael	On the reproductive success of early-generation hatchery fish in the wild Sex reversal, selection against hatchery females or wild males does not explain differences in sex ratio between first generation hatchery and wild steelhead, Oncorhynchus mykiss	2014 Evolutionary Applications
Blouin, Michael	Who are the missing parents? Grandparentage analysis identifies multiple sources of gene flow into a wild population	2014 Environmental Biology of Fishes
Blouin, Michael	Investing Alternate Torpic Pathways through Genlatinous Zooplankton and Planktivorous Fishes in an Upwelling Ecosystem Using End-to-End Models	2011 Molecular Ecology
Brodeur, Richard D.	Catching the Prey: Sampling juvenile fish and inverebrate prey fields of juvenile coho and Chinook salmon during their early marine residence	2011 Interdisciplinary Studies on Environmental Chemistry
Brodeur, Richard D.	Does Lower Crab Creek in the Eastern Washington Desert Have a Native Population of Chinook Salmon?	2011 Fisheries Research
Burgess, Dave	Environmental and geospatial factors drive juvenile chinook salmon distribution during early ocean migration	2011 Transactions of the American Fisheries Society
Burke, Brian	PCD Risk 1: A tool for assessing and reducing ecological risks of hatchery operations in freshwater	2013 Canadian Journal of fisheries and Aquatic Sciences
Busack, Craig	A validation of parentage-based tagging using hatchery steelhead in the Snake River basin	2012 Environmental Biology of Fishes
Campbell, Matthew	Estimating Abundance and Life History Characteristics of Threatened Wild Snake River Steelhead Stocks by Using Genetic Stock Identification	2013 Canadian Journal of Fisheries and Aquatic Sciences
Campbell, Matthew		2012 Transactions of the American Fisheries Society
Carmichael, Richard	Survival and Straying of Hatchery Steelhead following Forced or Volitional Release	2011 North American Journal of Fisheries Management
Chaeili Judd	Rapid Characterization of Shorelines Using a Georeferenced Video Mapping System Density Effects on Subyearling Fall Chinook Salmon During Hatchery Rearing in Raceways with Oxygen Supplementation and After Release	2012 Coastal Research
Clarke, Lance	Performance of Spring Chinook Salmon Reared in Acclimation Ponds for Two and Four Months before Release	2013 North American Journal of Aquaculture
Clarke, Lance	Population Density and Growth of the Freshwater Mussel Anodonta californiensis in a Flow-Fragmented Stream	2012 North American Journal of Aquaculture
Clarke, Lance	Postrelease Performance of Acclimated and Directly Released Hatchery Summer Steelhead into Oregon Tributaries of the Snake River	2010 Journal of Freshwater Ecology
Clarke, Lance	Biotic and Abiotic Influences on Abundance and Distribution of Nonnative Chinook Salmon and Native ESA-Listed Steelhead in the	2010 North American Journal of Fisheries Management
Connelly, Patrick	Growth, Condition Factor, and Bioenergetics Modeling Link Warmer Stream Temperatures Below a Small Dam to Reduced Performance of Juvenile Steelhead	2015 Northwest Science
Connelly, Patrick		2010 Northwest Science
Connelly, Patrick	Juvenile Anadromous Salmonid Production in Upper Columbia River Side Channels with Different Levels of Hydrological Connection	2014 Transactions of the American Fisheries Society
Connelly, Patrick	Spatio-temporal variability in movement, age, and growth of mountain whitefish (Prosopium williamsoni) in a river network based upon PIT tagging and otolith chemistry	
Connolly, Patrick	Colonization of Steelhead in a Natal Stream after Barrier Removal Acclimation Enhances Postrelease Performance of Hatchery Fall Chinook Salmon Subyearlings While Reducing the Potential for Interaction with Natural Fish	2013 Canadian Journal of Fisheries and Aquatic Sciences 2013 Transactions of the American Fisheries Society
Connor, William	The Importance of Juvenile Migration Tactics to Adult Recruitment in Stream-Type Chinook Salmon Populations	2013 North American Journal of Fisheries Management
Copeland, Timothy	Fatty acid profiles of juvenile salmo indicate prey selection strategies in coastal marine waters	2014 Transactions of the American Fisheries Society
Daly, Elizabeth	Spatial and trophic overlap of marked and unmarked Spring Chinook salmon during early marine residence	2010 Journal of Marine Biology
Daly, Elizabeth	Incubation success and habitat selection of shore-spawning kokanee Oncorhynchus nerka: effects of water-level regulation and habitat characteristics	2012 Environ Biol Fish
Dux, Andrew	Influence of Habitat Characteristics on Shore-Spawning Kokanee	2014 Ecology of Freshwater Fish
Dux, Andrew	Use of a Seismic Air Gun to Reduce Survival of Nonnative Lake Trout Embryos: A Tool for Conservation?	2014 Transactions of the American Fisheries Society
Dux, Andrew	Growth Rate Potential of Juvenile Sockeye Salmon in Warmer and Colder Years on the Eastern Bering Sea Shelf	2012 North American Journal of Fisheries Management
Farley, Edward		2009 Journal of Marine Biology
Fast, David	A Synthesis of Findings from an Integrated Hatchery Program after Three Generations of Spawning in the Natural Environment The Aunt and Uncle Effect Revisited—The Effect of Biased Parentage Assignment on Fitness Estimation in a Supplemented Salmon Population	2015 North American Journal of Aquaculture
Ford, Michael	Influence of ocean and freshwater conditions on Columbia River sockeye salmon Oncorhynchus nerka adult return rates	2010 Journal of Heredity
Fryer, Jeffrey	Monitoring Stock-Specific Abundance, Run Timing, and Straying of Chinook Salmon in the Columbia River Using Genetic Stock Identification (GSI)	2014 Fisheries Oceanography
Fryer, Jeffrey	Extirpation and Tribal Reintroduction of Coho Salmon to the Interior Columbia River Basin	2014 North American Journal of Fisheries Management
Galbreath, Peter	Evaluating Salmon Spawning Habitat Capacity Using Redd Survey Data	2014 Fisheries
Garcia, Aaron	Ultraviolet radiation as disinfection for fish surgical tools	2013 Transactions of the American Fisheries Society
Geist, Davd	Survival and Traits of Reconditioned Kelt Steelhead Oncorhynchus mykiss in the Yakima River, Washington	2013 Animal Biotelemetry
Hatch, Douglas	A Comparison of the Performance and Compatibility of Protocols Used by Seven Monitoring Groups to Measure Stream Habitat in the Pacific Northwest	2013 North American Journal of Fisheries Management
Hillman, Tracy		2010 North American Journal of Fisheries Management
Hinrichsen, Richard	American Shad of the Pacific Coast: A Harmful Invasive Species or Benign Introduction?	2012 Fisheries
Hinrichsen, Richard	Precision and Accuracy of Estimators of the Proportion of Hatchery-Origin Spawners The Role of Impoundments, Temperature, and Discharge on Colonization of the Columbia River Basin, USA, by Nonindigenous American Shad	2012 Transactions of the American Fisheries Society
Hinrichsen, Richard	Behavior and Potential threats to survival of migrating lamprey ammocoetes and macrophthalmia	2013 Transactions of the American Fisheries Society
Jackson, Aaron	Low-Elevation Dams Are Impediments to Adult Pacific Lamprey Spawning Migration in the Umatilla River, Oregon	2015 Reviews in Fish Biology and Fisheries
Jackson, Aaron	Influence of ocean ecosystem variation on trophic interactions and survival of juvenile coho and Chinook salmon	2012 North American Journal of Fisheries Management
Jacobson, Kym	Parasites in subyearling Chinook salmon (Oncorhynchus tshawytscha) suggest increased habitat use in wetlands compared to sandy beach habitats in the Columbia River estuary	2014 Canadian Journal of Fisheries and Aquatic Sciences
Jacobson, Kym	Vulnerability of larval and juvenile white sturgeon to barotrauma: can they handle the pressure?	2013 Hydrobiologia
Jason McLellan		2013 Conservation Physiology
Johnson, Gary	A Levels-of-Evidence Approach for Assessing Cumulative Ecosystem Response to Estuary and River Restoration Programs	2011 Ecological Restoration
Johnson, Gary	Application of diversity indices to quantify early life-history diversity for Chinook salmon	2014 Ecological Indicators
Johnson, Gary	Effect of Migration Pathway on Travel Time and Survival of Acoustic-Tagged Juvenile Salmonids in the Columbia River Estuary	2012 Transactions of the American Fisheries Society
Johnson, Gary	Guidelines, processes and tools for coastal ecosystem restoration, with examples from the United States	2011 Plankton and Benthos Research
Johnson, Gary	Residence times of juvenile salmon and steelhead in off-channel tidal freshwater habitats, Columbia River, USA	2015 Canadian Journal of Fisheries and Aquatic Sciences
Johnson, Gary	Sluiceway Operations for Adult Steelhead Downstream Passage at The Dalles Dam, Columbia River, USA Chum Salmon Spawning Activity in Tributaries Below Bonneville Dam : The Relationship with Tailwater elevation and Seasonal Precipitation	2013 North American Journal of Fisheries Management
Johnson, Jeffrey		2011 River Research and Applications
Johnson, Jeffrey	Evidence of Panmixia between Sympatric Life History Forms of Coastal Cutthroat Trout in Two Lower Columbia River Tributaries	2010 North American Journal of Fisheries Management
Johnson, June	Defining Life Histories of Precocial Male Parr, Minijack, and Jack Chinook Salmon Using Scale Patterns	2012 Transactions of the American Fisheries Society
Jonasson, Brian	Ecology of Winter Concealment Behavior of Juvenile Spring Chinook Salmon in the Grande Ronde River Basin, Oregon	2010 Northwest Science
Jordan, Chris	Individual condition and stream temperature influence early maturation of rainbow and steelhead trout, Oncorhynchus mykiss	2012 Environmental Biology of Fishes
Jordan, Chris	Influence of sex, migration distance, and latitude on life history expression in steelhead and rainbow trout (Oncorhynchus mykiss)	2013 Canadian Journal of Fisheries and Aquatic Sciences
Jordan, Chris	Using Beaver Dams to Restore Incised Stream Ecosystems Oreoleptis torrenticola Zloty, Sinclair and Pritchard (Diptera: Tabanomorpha) Discovered in a Fourth-Order Stream of the Cascade Mountains of Eastern Washington	2014 BioScience
Jorgensen, John	Biofilm nutrient limitation, metabolism, and standing crop responses to experimental application of salmon carcass analog in Idaho streams	2013 Western North American Naturalist
Kohler, Andre	Macroinvertebrate response to salmon carcass analogue treatments: exploring the relative influence of nutrient enrichment, stream foodweb, and environmental variables	2014 Canadian Journal of Fisheries and Aquatic Sciences
Kohler, Andre	Nutrient Enrichment with Salmon Carcass Analogs in the Columbia River Basin, USA: A Stream Food Web Analysis	2010 Journal of the North American Benthological Society
Kohler, Andre	Salmon-mediated nutrient flux in selected streams of the Columbia River basin, USA	2012 Transactions of the American Fisheries Society
Kohler, Andre	Survival of Endangered Snake River Sockeye Salmon Smolts from Three Idaho Lakes: Relationships with Parr Size at Release, Parr Growth Rate, Smolt Size, Discharge, and Travel Time	2013 Canadian Journal of Fisheries and Aquatic Sciences
Kohler, Andre	Publication FY09	2011 North American Journal of Fisheries Management
Kohler, Andre	Salmon-mediated nutrient flux in selected streams of the Columbia River basin, USA	2012 Transactions of the American Fisheries Society
Larsen, Donald	Early Life History Variation in Hatchery- and Natural-Origin Spring Chinook Salmon in the Yakima River, Washington	2013 NRC Research Press
Larsen, Donald	Examining the Conflict between Smolting and Precocious Male Maturation in Spring (Stream-Type) Chinook Salmon	2013 Transactions of the American Fisheries Society
Larsen, Donald	Homing and Spawning Site Selection by Supplemented Hatchery- and Natural-Origin Yakima River Spring Chinook Salmon The Effects of Variation in Rearing Conditions on Growth, Smolt Development, and Minijack Rate in Yearling Chinook Salmon: a Hatchery Scale Experiment	2010 Transactions of the American Fisheries Society 2010 Transactions of the American Fisheries Society
Larsen, Donald	The pituitary–thyroid axis during the parr–smolt transformation of Coho salmon, Oncorhynchus kisutch: Quantification of TSH β mRNA, TSH, and thyroid hormones	2014 Transactions of the American Fisheries Society
Larsen, Donald	Variation in Minijack Rate among Hatchery Populations of Columbia River Basin Chinook Salmon	2011 General and Comparative Endocrinology
Larsen, Donald		2014 Transactions of the American Fisheries Society

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Mahoney, Brian Marshall, Anne Matala, Andrew	Eradication of Nonnative Brook Trout with Electrofishing and Antimycin-A and the Response of a Remnant Bull Trout Population Differential Survival among sSOD-1* Genotypes in Chinook Salmon Candidate Genetic Markers Associated with Anadromy in Oncorhynchus mykiss of the Klickitat River Influences of Hatchery Supplementation, Spawner Distribution, and Habitat on Genetic Structure of Chinook Salmon in the South Fork Salmon River, Idaho	2013 North American Journal of Fisheries Management 2011 Transactions of the American Fisheries Society 2011 Transactions of the American Fisheries Society
Matala, Andrew	Major Lineages and Metapopulations in Columbia River Oncorhynchus mykiss Are Structured by Dynamic Landscape Features and Environments	2012 North American Journal of Fisheries Management
Matala, Andrew Matala, Andrew	Relative contributions of neutral and non-neutral genetic differentiation to inform conservation of steelhead trout across highly variable landscapes Resolving Adaptive and Demographic Divergence among Chinook Salmon Populations in the Columbia River Basin A stakeholder project to model water temperature under future climate scenarios in the Satus and Toppenish watersheds of the Yakima River Basin in Washington, USA	2011 Transactions of the American Fisheries Society 2014 Evolutionary Applications 2011 Transactions of the American Fisheries Society
Maule, Alec Maule, Alec McIlraith, Brian	Assessing climate-change risks to cultural and natural resources in the Yakima River Basin, Washington, USA Genes predict long distance migration and large body size in a migratory fish, Pacific lamprey	2014 Climatic Change 2014 Climatic Change 2014 Evolutionary Applications
McIlraith, Brian	Reconnaissance of contaminants in larval Pacific lamprey (Entosphenus tridentatus) tissues and habitats in the Columbia River Basin, Oregon and Washington, USA	2015 Environmental Pollution
McIlraith, Brian Mesa, Matthew	Seasonal Migration Behaviors and Distribution of Adult Pacific Lampreys in Unimpounded Reaches of the Snake River Basin Effects of Summer Drawdown on the Fishes and Larval Chironomids in Beulah Reservoir, Oregon	2015 North American Journal of Fisheries Management 2013 Northwest Science
Mesa, Matthew Mesa, Matthew	Passage and Behavior of Radio-Tagged Adult Pacific Lampreys (Entosphenus tridentatus) at the Willamette Falls Project, Oregon Pre-spawning migration of adult Pacific lamprey, Entosphenus tridentatus, in the Willamette River, Oregon, U.S.A.	2010 Northwest Science 2011 Environmental Biology of Fishes
Meyer, Kevin	Effects of Stocking Catchable-Sized Hatchery Rainbow Trout on Wild Rainbow Trout Abundance, Survival, Growth, and Recruitment	2012 Transactions of the American Fisheries Society
Meyer, Kevin Meyer, Kevin Meyer, Kevin Meyer, Kevin	Historical Influences of Volcanism and Glaciation in Shaping Mitochondrial DNA Variation and Distribution in Yellowstone Cutthroat Trout across Its Native Range Interspecies Synchrony in Salmonid Densities Associated with Large-Scale Bioclimatic Conditions in Central Idaho Status of Redband Trout in the Upper Snake River Basin of Idaho Thermal adaptation and acclimation of ectotherms from differing aquatic climates Contribution of prey to Humboldt Squid Dosidicus gigas in the northern California Current, revealed by stable isotope analyses	2011 Transactions of the American Fisheries Society 2011 Transactions of the American Fisheries Society 2014 North American Journal of Fisheries Management 2013 Molecular Ecology
Miller, Todd		2013 Marine Ecology Progress Series
Miller, Todd	Feeding ecology of juvenile rockfishes off Oregon and Washington based on stomach content and stable isotope analyses Prey dominance shapes trophic structure of the northern California Current pelagic food web: evidence from stable isotopes and diet analysis	2014 Marine Biology
Miller, Todd		2010 Marine Ecology Progress Series
Moran, Paul Moran, Paul	Divergent life-history races do not represent Chinook salmon coast-wide: the importance of scale in Quaternary biogeography Use of Genetic Data to Infer Population-Specific Ecological and Phenotypic Traits from Mixed Aggregations Early male maturity explains a negative correlation in reproductive success between hatchery-spawned salmon and their naturally spawning progeny	2012 Canadian Journal of Fisheries and Aquatic Sciences 2014 PLOS ONE
Murdoch, Andrew		2012 Conservation Letters
Murdoch, Andrew	Ecological risk assessment of multiple hatchery programs in the upper Columbia watershed using Delphi and modeling approaches	2012 Environmental Biology of Fishes
Murdoch, Andrew	Estimating the Spawning Escapement of Hatchery- and Natural-Origin Spring Chinook Salmon Using Redd and Carcass Data Factors influencing the relative fitness of hatchery and wild spring Chinook salmon (Oncorhynchus tshawytscha) in the Wenatchee River, Washington, USA	2011 North American Journal of Fisheries Management
Murdoch, Andrew Murdoch, Andrew Murdoch, Andrew	The Number of Redds Constructed per Female Spring Chinook Salmon in the Wenatchee River Basin The Spawning Success of Early Maturing Resident Hatchery Chinook Salmon in a Natural River System Use of Carcass Recovery Data in Evaluating the Spawning Distribution and Timing of Spring Chinook Salmon in the Chiwawa River, Washington	2010 Canadian Journal of Fisheries and Aquatic Sciences 2011 North American Journal of Fisheries Management 2015 Transactions of the American Fisheries Society
Murdoch, Andrew Murdoch, Andrew Narum, Shawn Narum, Shawn	Using parentage analysis to estimate rates of straying and homing in Chinook salmon (Oncorhynchus tshawytscha) Adaptation of redband trout in desert and montane environments Association Mapping of Disease Resistance Traits in Rainbow Trout Using Restriction Site Associated DNA Sequencing Development of 54 novel single-nucleotide polymorphism (SNP) assays for sockeye and coho salmon and assessment of available SNPs to differentiate stocks within the Columbia River	2011 North American Journal of Fisheries Management 2015 Molecular Ecology 2010 Molecular Ecology 2014 Genes Genomes Genetics
Narum, Shawn	Differential Expression of Genes that Control Respiration Contribute to Thermal Adaptation in Redband Trout (Oncorhynchus mykiss gairdneri)	2011 Molecular Ecology Resources
Narum, Shawn		2015 Genome Biology and Evolution
Narum, Shawn	Genome-wide association reveals genetic basis for the propensity to migrate in wild populations of rainbow and steelhead trout	2012 Molecular Ecology
Narum, Shawn Narum, Shawn	Genotyping-in-Thousands by sequencing (GT-seq): A cost effective SNP genotyping method based on custom amplicon sequencing Population genomics of Pacific lamprey: adaptive variation in a highly dispersive species	2014 Molecular Ecology Resources 2012 Molecular Ecology
Narum, Shawn	Single-Nucleotide Polymorphism (SNP) Loci Correlated with Run Timing in Adult Chinook Salmon from the Columbia River Basin Supportive breeding boosts natural population abundance with minimal negative impacts on fitness of a wild population of Chinook salmon	2011 Transactions of the American Fisheries Society
Narum, Shawn	Use of genotyping by sequencing data to develop a high-throughput and multifunctional SNP panel for conservation applications in Pacific lamprey	2012 Molecular Ecology
Narum, Shawn	Ghost Nets in the Columbia River: Methods for Locating and Removing Derelict Gill Nets in a Large River and an Assessment of Impact to White Sturgeon	2014 Molecular Ecology
Parker, Blaine Parsley, Michael	Amplification and transport of an endemic fish disease by an introduced species	2011 North American Journal of Fisheries Management 2010 Biological Invasions
Pearson, Todd Pearson, Todd	Behavior and Breeding Success of Wild and First-Generation Hatchery Male Spring Chinook Salmon Spawning in an Artificial Stream Breeding success of four male life history types of spring Chinook Salmon spawning in an artificial stream Changes to Rainbow Trout Abundance and Salmonid Biomass in a Washington Watershed as Related to Hatchery Salmon	2010 Transactions of the American Fisheries Society 2011 Environmental Biology of Fishes
Pearson, Todd	Supplementation Imprinting of Hatchery-Reared Salmon to Targeted Spawning Locations: A New Embryonic Imprinting Paradigm for Hatchery Programs	2010 Transactions of the American Fisheries Society
Pearson, Todd Pearson, Todd Pearson, Todd	Operating Hatcheries with an Ecosystem Context Risk management of non-target fish taxa in the Yakima River Watershed associated with hatchery salmon supplementation Characterizing Migration and Survival between the upper Salmon River Basin and Lower Granite Dam for Juvenile Snake River Sockeye Salmon, 2012	2015 Fisheries 2010 Fisheries 2012 Environmental Biology of Fishes
Peterson, Mike Rechisky, Erin L. Rechiskyh, Erin Rechiskyh, Erin	Estuarine and early-marine survival of transported and in-river migrant Snake River spring Chinook salmon smolts Critical Periods in the Marine Life History of Pacific Salmon? Estuarine and early-marine survival of transported and in-river migrant Snake River spring Chinook salmon smolts	2013 Northwest Fisheries Science Center 2011 Scientific Reports 2013 North Pacific Anadromous Fish Commission 2012 Scientific Reports
Rechiskyh, Erin	In situ measurement of coastal ocean movements and survival of juvenile Pacific salmon	Proceedings of the National Academy of Sciences of the United States of America
Rechiskyh, Erin	Influence of multiple dam passage on survival of juvenile Chinook salmon in the Columbia River estuary and coastal ocean	Proceedings of the National Academy of Sciences of the United States of America
Rechiskyh, Erin	Reply to Haeseker: Value of controlled scientific experiments to resolve critical uncertainties regarding Snake River salmon survival	Proceedings of the National Academy of Sciences of the United States of America
Roby, Daniel Roby, Daniel	Colony connectivity of Pacific Coast double-crested cormorants based on post-breeding dispersal from the region's largest colony Phylogeography and population genetic structure of double-crested cormorants (Phalacrocorax auritus)	2012 Journal of Wildlife Management 2013 Conservation Genetics
Roby, Daniel	Quantifying Avian Predation on Fish Populations: Integrating Predator-Specific Deposition Probabilities in Tag Recovery Studies	2015 Transactions of the American Fisheries Society
Roby, Daniel	Systemwide Evaluation of Avian Predation on Juvenile Salmonids from the Columbia River Based on Recoveries of Passive Integrated Transponder Tags Validating growth and development of a seabird as an indicator of food availability: captive-reared Caspian Tern chicks fed ad libitum and restricted diets	2012 Transactions of the American Fisheries Society
Roby, Daniel Ruzycki, James Ruzycki, James Ruzycki, James	Body Size and Growth Rate Influence Emigration Timing of Oncorhynchus mykiss Hatchery Steelhead Smolt Release Size Effects on Adult Production and Straying The Influence of Release Strategy and Migration History on Capture Rate of Oncorhynchus mykiss in a Rotary Screw Trap Comparison and evaluation of Renibacterium salmoninarum quantitative PCR diagnostic assays using field samples of Chinook and coho salmon	2011 Journal of Field Ornithology 2013 Transactions of the American Fisheries Society 2014 North American Journal of Aquaculture 2013 North American Journal of Fisheries Management
Sandell, Todd Sanderson, Beth Sanderson, Beth Sanderson, Beth L.	Native invaders – challenges for science, management, policy, and society Smallmouth Bass in the Pacific Northwest: A Threat to Native Species; a Benefit for Anglers Nonlethal Sampling of Fish Caudal Fins Yields Valuable Stable Isotope Data for Threatened and Endangered Species	2011 Diseases of Aquatic Organisms 2012 Frontiers in Ecology and the Environment 2011 Reviews in Fisheries Science 2009 Transactions of the American Fisheries Society
Seamons, Todd Seamons, Todd	Can interbreeding of wild and artificially propagated animals be prevented by using broodstock selected for a divergent life history? Effects of Growth and Reproductive History on the Egg Size–Fecundity Trade-off in Steelhead	2012 Evolutionary Applications 2011 Transactions of the American Fisheries Society
Seamons, Todd	Stable Isotopes of Carbon and Nitrogen Indicate Differences in Marine Ecology between Wild and Hatchery-Produced Steelhead	2012 Transactions of the American Fisheries Society
Sharp, Bill	Session C6- Restoring habitat, improving passage and implementing hatchery reform in the Klickitat Subbasin: a Yakama tribal approach Who's Your Momma? Recognizing Maternal Origin of Juvenile Steelhead Using Injections of Strontium Chloride to Create Transgenerational Marks	2011 Fish Passage 2011
Shippentower, Gene		2011 Transactions of the American Fisheries Society
Skalski, John Skalski, John	Assessment of Subyearling Chinook Salmon Survival through the Federal Hydropower Projects in the Main-Stem Columbia River Comparison of Two Alternative Approaches for Estimating Dam Passage Survival of Salmon Smolts	2014 North American Journal of Fisheries Management 2010 North American Journal of Fisheries Management
Skalski, John	Evaluating Surrogacy of Hatchery Releases for the Performance of Wild Yearling Chinook Salmon from the Snake River Basin Evaluation of Downstream Juvenile Steelhead Survival and Predator-Prey Interactions Using JSATS through the Priest Rapids Reservoir in 2011	2010 North American Journal of Fisheries Management
Skalski, John Skalski, John	Limitations of Correlative Investigations in Identifying Causal Factors in Freshwater and Marine Survival of Columbia River Salmonids Quantitative Assessment of Salmonid Escapement Techniques The effects of high detection probabilities on model selection in paired release-recapture studies in the era of electronic tagging studies	2012 Blue Leaf International Columbia Basin Research, School of Aquatic and Fishery Sciences 2013 Sciences 2010 Reviews in Fisheries Science
Skalski, John	The Influence of Tag Presence on the Mortality of Juvenile Chinook Salmon Exposed to Simulated Hydroturbine Passage: Implications for Survival Estimates and Management of Hydroelectric Facilities	2013 Animal Biotelemetry
Skalski, John Skalski, John	Using multistate mark-recapture methods to model adult salmonid migration in an industrialized river	2012 North American Journal of Fisheries Management 2010 Ecological Modelling

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Skalski, John	Wildlife Demography: Analysis of Sex, Age, and Count Data	2010 Elsevier
Smith, Stephen	Captive rearing for Chinook salmon (Oncorhynchus tshawytscha) and Atlantic salmon (Salmo salar): the Idaho and Maine experiences	2014 Fish Biology and Fisheries
Smith, Stephen	Clotrimazole as a Potent Agent for Treating the Oomycete Fish Pathogen Saprolegnia parasitica through Inhibition of Sterol 14α-Demethylase (CYP51)	2014 Applied and Environmental Ecobiology International Conference on Engineering and Ecohydrology for 2013 Fish Passage
Smith, Stephen	Concurrent Sessions B: Columbia River Passage - Grand Coulee Fish Passage and the Columbia River Treaty Latent Mortality Associated with Passage through Snake River Dams: Tagging Activities for 2010 and Final Report for the 2007 Juvenile Migration Year	2011 Northwest Fisheries Science Center
Smith, Stephen	Bull Trout Trends in Abundance and Probabilities of Persistence in Idaho	2014 North American Journal of Fisheries Management
Steele, John H.	Constructing ent-to-end models using ECOPATH data	2011 Journal of Marine Systems
Thorson, James	Spatial variation buffers temporal fluctuations in early juvenile survival for an endangered Pacific salmon	2013 Journal of Animal Ecology
Tiffan, Kenneth	Diel Behavior of Rearing Fall Chinook Salmon	2010 Northwest Naturalist
Tiffan, Kenneth	Distinguishing between Natural and Hatchery Snake River Fall Chinook Salmon Subyearlings in the Field Using Body Morphology	2011 Transactions of the American Fisheries Society
Tiffan, Kenneth	Downstream Movement of Fall Chinook Salmon Juveniles in the Lower Snake River Reservoirs during Winter and Early Spring	2012 Transactions of the American Fisheries Society
Tiffan, Kenneth	Estimating and Predicting Collection Probability of Fish at Dams Using Multistate Modeling	2012 Transactions of the American Fisheries Society
Tiffan, Kenneth	Evidence for Density-Dependent Changes in Growth, Downstream Movement, and Size of Chinook Salmon Subyearlings in a Large-River Landscape	2013 Transactions of the American Fisheries Society
Tiffan, Kenneth	Evidence for Parr Growth as a Factor Affecting Parr-to-Smolt Survival	2012 Transactions of the American Fisheries Society
Tiffan, Kenneth	Prey Availability, Consumption, and Quality Contribute to Variation in Growth of Subyearling Chinook Salmon Rearing in Riverine and Reservoir Habitats	2014 Transactions of the American Fisheries Society
Tiffan, Kenneth	Quantifying the behavioral response of spawning chum salmon to elevated discharges from Bonneville Dam, Columbia river, USA	2010 River Research and Applications
Tiffan, Kenneth	The Effects of Juvenile American Shad Planktivory on Zooplankton Production in Columbia River Food Webs	2013 Transactions of the American Fisheries Society
Tiffan, Kenneth F.	Water Veelocity, Turbulence, and Migration Rate of Subyearling Fall Chinook Salmon in the Free-Flowing and Impounded Snake River	2009 Transactions of the American Fisheries Society
Tohtz, Joel	Assessing the impacts of river regulation on native bull trout (Salvelinus Confluentus) and Westslope Cutthroat Trout (ONCORHYNCHUS CLARKII LEWISI) Habitats in the Upper Flathead River, Montana, USA	2012 River Research and Applications
Tomaro, Londi	When is bigger better? Early marine residence of middle and upper Columbia River spring Chinook salmon	2012 Marine Ecology Progress Series
Tran, Chau	Nutrient limitations of periphyton in Idaho streams: results from nutrient diffusing substrate experiments	2009 Journal of North American Benthological Society
Trudel, Marc	Estimating Winter Mortality in Juvenile Marble River Chinook Salmon	2012 North Pacific Anadromous Fish Commission
Trudel, Marc	Infectious disease, shifting climates, and opportunistic predators: cumulative factors potentially impacting wild salmon declines	2014 Evolutionary Applications
Trudel, Marc	Nonrandom Distribution of Canadian Sockeye Salmon Rearing in the Bering Sea and Coastal Gulf of Alaska	2012 North Pacific Anadromous Fish Commission
Trudel, Marc	Regional and inter-annual trends in marine growth of juvenile salmon in coastal pelagic ecosystems of British Columbia, Canada	2014 Marince Ecology Progressive Series
Trudel, Marc	Stock-Specific Migration Pathways of Juvenile Sockeye Salmon in British Columbia Waters and in the Gulf of Alaska	2014 Transactions of the American Fisheries Society
Trudel, Marc	Stock-Specific Size of Juvenile Sockeye Salmon in British Columbia Waters and the Gulf of Alaska	2014 Transactions of the American Fisheries Society
Trudel, Marc	Zooplankton stable isotopes as integrators of bottom-up variability in coastal margins: A case study from the Strait of Georgia and adjacent coastal regions	2013 Progress in Oceanography
Trudel, Marc	Distribution and Migration of Juvenile Chinook Salmon Derived from Coded Wire Tag Recoveries long the Continental Shelf of Western North America	2009 Transactions of the American Fisheries Society
Tucker, S.	Seasonal Stock-Specific Migrations of Juvenile Sockeye Salmon along the West Coast of North America: Implications for Growth	2009 Transactions of the American Fisheries Society
Tucker, S.	Life History and Seasonal Stock-Specific ocean migration of Juvenile Chinook Salmon	2011 Transactions of the American Fisheries Society
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