Quarterly Journal Article search: April-June 2025
Columbia Basin Fish & Wildlife Library

Accola, K., J. Cordell, B. Oxborrow, J. D. Toft, A. Suzumura, and J. Grote. 2025. Subyearling Chinook salmon diets in lower Columbia River estuarine habitats. PLoS One 20(6):e0325939. https://doi.org/10.1371/journal.pone.0325939

Species: Chinook salmon
Location: Lower Columbia River and Estuary
Other Keywords: Trophic interactions, estuarine habitats

Adeli, K. A., T. E. Pitcher, J. M. Ludwig, J. Rinchard, and B. D. Neff. 2025. Low thiamine concentrations are associated with altered cardiac morphology across reproductive life histories of spawning Chinook salmon. Journal of Aquatic Animal Health 37(2):55–65. https://doi.org/10.1093/jahafs/vsaf007

Species: Chinook salmon
Location: Credit River, Ontario
Other Keywords: Thiamine deficiency, reproductive life histories

Ahi, E.P., A. S. Lindeza, A. Miettinen, and C. R. Primmer. 2025. Transcriptional responses to changing environments: insights from salmonids. Reviews in Fish Biology and Fisheries 35:681–706. https://doi.org/10.1007/s11160-025-09928-9

Species: Salmonids
Location: n/a
Other Keywords: Plasticity, environmental stressors

Anderson, E. C., A. J. Clemento, M. A. Campbell, D. E. Pearse, A. K. Beulke, C. Columbus, E. Campbell, N. F. Thompson, J. C. Garza. 2025. A multipurpose microhaplotype panel for genetic analysis of California Chinook salmon. Evolutionary Applications 18(5):e70110. https://doi.org/10.1111/eva.70110

Species: Chinook salmon
Location: California
Other Keywords: Genetic stock identification

Atlas, W. I., D. M. Glaser, B. M. Connors, C. A. Holt, D. A. Greenberg, D. T. Selbie, S. Cox-Rogers, C. Carr-Harris, E. Hertz, J. L. Hart, and J. W. Moore. 2025. Linking hierarchical population models with habitat data improves assessment of data-limited salmon stocks. Marine and Coastal Fisheries 17(2):vtaf008. https://doi.org/10.1093/mcfafs/vtaf008

Species: Sockeye salmon
Location: Coastal British Columbia
Other Keywords: Bayesian models, productivity

Balfour, T. J. B., D. J. A. Hurwitz, J. B. Atkinson, and E. G. Martins. 2025. Release strategies affect the freshwater residence and survival of hatchery-reared juvenile Chinook salmon. Transactions of the American Fisheries Society 154(3):278–290. https://doi.org/10.1093/tafafs/vnaf009

Species: Chinook salmon
Location: Toquaht River, British Columbia
Other Keywords: Hatchery release strategies, capture–recapture

Benjamin, J. R., J. Neibauer, A. H. Vazquez, A. Rawhouser, and J. B. Dunham. 2025. A partner-driven decision support model to inform the reintroduction of bull trout. PLoS One 20(5):e0323427. https://doi.org/10.1371/journal.pone.0323427

Species: Bull trout
Location: Lake Chelan Basin, Washington
Other Keywords: Decision-making processes, reintroduction assessment

Bosch, W. J., S. N. Pandit, T. Newsome, A. P. Matala, C. Frederiksen, Z. Mays, D. Lind, M. V. Johnston, and J. Blodgett. 2025. Emigration and survival of hatchery-reared coho salmon released as parr and smolts in a reintroduction program. River Research and Applications 41(5):1104-1118. https://doi.org/10.1002/rra.4416

Species: Coho salmon
Location: Yakima River Basin
Other Keywords: Mark-recapture, juvenile-to-adult return

Brennan, K. G., S. R. Brennan, T. Cline, and G. J. Bowen. 2025. Delineating population structure of resilient sea/river-type sockeye salmon. Limnology and Oceanography Letters 10(2):223-233. https://doi.org/10.1002/lol2.10437

Species: Sockeye salmon
Location: Taku River watershed, British Columbia
Other Keywords: Subpopulation identification

Buonanduci, M. S., E. R. Buhle, M. J. Case, E. R. Howe, J. C. Robertson, N. VanBuskirk, and A. K. Ettinger. 2025. Forest restoration can bolster salmon population persistence under climate change. Biological Conservation 305:111099. https://doi.org/10.1016/j.biocon.2025.111099

Species: Chum salmon
Location: Willapa Basin, Washington
Other Keywords: Population dynamics, restoration impacts

Carlson, S. M., K. C. Pregler, M. Obedzinski, S. P. Gallagher, S. J. Rhoades, C. Woelfle-Hazard, N. Queener, S. E. Thompson, and M. E. Power. 2025. Anatomy of a range contraction: Flow–phenology mismatches threaten salmonid fishes near their trailing edge. Proceedings of the National Academy of Sciences 122(14):e2415670122. https://doi.org/10.1073/pnas.2415670122

Species: Chinook and coho salmon, steelhead
Location: Northern California
Other Keywords: Species redistribution, drought effects

Cominassi, L., A. Segarra, A. Chandler, M. Habibullah-Al-Mamun, K. Knaub, K. E. Huff Hartz, F. Mauduit, N. Fangue, G. W. Whitledge, M. J. Lydy, R. E. Connon. 2025. Sublethal exposures to bifenthrin impact stress responses and behavior of juvenile Chinook salmon. Environmental Toxicology and Chemistry 44(4):973–983. https://doi.org/10.1093/etojnl/vgaf029

Species: Chinook salmon
Location: Sacramento–San Joaquin Delta, California
Other Keywords: Insecticide exposure, contaminants

Corsi, M. P., S. J. Cooke, A. J. Danylchuk, M. L. Guckian, J. R. Kozfkay, and M. C. Quist. 2025. Points of consensus on catch-and-release: considerations for science, ethics, and fisheries management. Fisheries 50(4):182–184 https://doi.org/10.1093/fshmag/vuae024

Species: n/a
Location: n/a
Other Keywords: Angling practices

Crossman, J. A., J. Korman, J. G. McLellan, A. L. Miller, and M. D. Howell. 2025. High densities of hatchery-origin white sturgeon suppress somatic growth rates of an endangered wild population. Ecological Applications 35(4):e70042. https://doi.org/10.1002/eap.70042

Species: White sturgeon
Location: Columbia River
Other Keywords: Growth rates, hatchery v. wild stocks

Domke, Lia K., R. J. Cates, W. W. Raymond, and G. L. Eckert. 2025. Juvenile chum salmon and pink salmon use of submerged vegetative habitats and the influence of an apex predator. Marine and Coastal Fisheries 17(2):vtaf001. https://doi.org/10.1093/mcfafs/vtaf001

Species: Chum and pink salmon
Location: Southeast Alaksa
Other keywords: Nursery habitats, sea otters

Dressler, T. L., K. Anlauf-Dunn, A. Chandler, and E. J. Eliason, Beyond latitude: thermal tolerance and vulnerability of a broadly distributed salmonid across a habitat temperature gradient. Conservation Physiology 13(1):coaf030, https://doi.org/10.1093/conphys/coaf030

Species: Steelhead
Location: Oregon
Other Keywords: Aerobic scope, field respirometry

Dudunake, T., M. K. Kenworthy, T. W. Smith, S. Stephenson, and R. S. Hardy. 2025 Influence of local river hydraulics on Kootenai River white sturgeon (*Acipenser transmontanus*) habitat selection during four spawning years, 2017-2020. Canadian Journal of Fisheries and Aquatic Sciences 82:1-16. https://cdnsciencepub.com/doi/abs/10.1139/cjfas-2024-0244

Species: White sturgeon
Location: Kootenai River, Idaho
Other Keywords: Habitat suitability indices, limiting factors

Ellisor, D., M. Gregg, A. Folz, and A. Possolo. 2025. Robust discrimination between closely related species of salmon based on DNA fragments. Analytical and Bioanalytical Chemistry 417:2579-2588. https://doi.org/10.1007/s00216-024-05724-9

Species: Pacific salmon
Location: Gulf of Alaska
Other Keywords: Barcoding, environmental DNA

Evans, K. R., G. Whitman, M. Willmes, E. Holmes, F. Cordoleani, C. A. Jeffres, and R. C. Johnson. Reconstructing salmon growth trajectories through biochronologies across a highly variable growthscape. Canadian Journal of Fisheries and Aquatic Sciences 82:1-12. https://doi.org/10.1139/cjfas-2024-0139

Species: Chinook salmon

Location: California Central Valley
Other Keywords: Otoliths, model evaluation

Frick, K., M. L. Moser, T. Liedtke, L. Weiland, A. N. Maine, and A. D. Jackson. 2025. Performance comparisons for artificially propagated and wild Pacific lamprey juveniles and larvae. Aquaculture Fish and Fisheries 5(3):e70070. https://doi.org/10.1002/aff2.70070

Species: Pacific lamprey
Location: Columbia River Basin
Other Keywords: Photokinetic response, swimming performance

Gomes, D. G. E., J. R. Benjamin, B. J. Clemens, R. Lampman, and J. B. Dunham. 2025. New technology for an ancient fish: A lamprey life cycle modeling tool with an R Shiny application. PLoS One 20(5):e0323408. https://doi.org/10.1371/journal.pone.0323408

Species: Pacific lamprey
Location: n/a
Other keywords: Life cycle modeling

Greene, C. M., E. M. Beamer, S. H. Munsch, J. W. Chamberlin, M. T. LeMoine, and J. H. Anderson. 2025. Population responses of Chinook salmon to two decades of restoration of estuary nursery habitat. Frontiers in Marine Science 12:1584913. https://doi.org/10.3389/fmars.2025.1584913

Species: Chinook salmon
Location: Skagit River Delta, Washington
Other Keywords: Habitat restoration monitoring, tidal wetlands

Hahn, A., D. D. Tullos, S. F. Railsback. 2025. Model evaluation of Stage 0 river treatment on juvenile spring Chinook in the South Fork McKenzie River, Oregon. Ecosphere 16(5):e70272. https://doi.org/10.1002/ecs2.70272

Species: Chinook salmon
Location: South Fork McKenzie River, Oregon
Other Keywords: River habitat restoration, habitat conditions

Hart, L. K. G., C. J. Cunningham, E. M. Yasumiishi, F. J. Mueter, J. T. Thorson, J. L. Pirtle, and J. A. Dimond. 2025. Species distribution models estimate time-varying juvenile salmon distributions in the north- and southeastern Bering Sea. Canadian Journal of Fisheries and Aquatic Sciences 82:1–13. https://doi.org/10.1139/cjfas-2024-0137

Species: Pacific salmon
Location: Bering Sea
Other Keywords: Spatial distribution, habitat utilization

Hilliard, B., W. J. Reeder, R. Budwig, V. Durgesh, B. Bhattarai, B. T. Martin, T. Xing, and D. Tonina. Unveiling surface-subsurface flow interactions of a salmon redd. Advances in Water Resources 199:104947. https://doi.org/10.1016/j.advwatres.2025.104947

Species: Pacific salmon
Location: n/a
Other Keywords: Surface roughness, hyporheic exchange

Hoffman, N. F., S. C. Willis, H. M. Nuetzel, A. L. Pierce, J. J. Nagler, and S. R. Narum. 2025. Genome-wide association for precocial maturation in juvenile male spring Chinook salmon (*Oncorhynchus tshawytscha*). Conservation Genetics 26:591-605. https://doi.org/10.1007/s10592-025-01688-0

Species: Chinook salmon
Location: n/a
Other Keywords: Whole genome sequencing, age-at-maturity

Isaak, D. J., D. L. Horan, and D. E. Nagel. 2025. The importance of trimming National Hydrography Dataset streamline networks when delineating potential habitats and species distributions for fish and amphibians in broad geographical applications. North American Journal of Fisheries Management 45(2):349-359. https://doi.org/10.1093/najfmt/vqaf014

Species: Multiple
Location: Primarily Idaho and western Montana
Other Keywords: Digital stream networks, data validation

Jankowski, M. D., A. F. Carpenter, J. A. Harrill, F. R. Harris, B. Hill, R. Labiosa, S. S. Makarov, D. Martinović-Weigelt, J. Nyffeler, S. Padilla, T. J. Shafer, M. G. Smeltz, and D. L. Villeneuve. 2025. Bioactivity of the ubiquitous tire preservative 6PPD and degradant, 6PPD-quinone in fish- and mammalian-based assays. Toxicological Sciences 204(2):198-217. https://doi.org/10.1093/toxsci/kfaf008

Species: Coho salmon
Location: n/a
Other Keywords: Storm water contaminants, neurotoxicity

Keefer, M. L., G. P. Naughton, T. J. Blubaugh, T. S. Clabough, and C. C. Caudill. 2025. River environment effects on adult migration phenology and rate of spring-run Chinook salmon. Transactions of the American Fisheries Society 154(1):85–102. https://doi.org/10.1093/tafafs/vnae010

Species: Chinook salmon
Location: Willamette Falls
Other Keywords: Behavioral plasticity, premature migration

Kissinger, B. C., F. Irvine, A. J. Chapelsky, and N. J. Mochnacz. 2025. Success of two methods for long distance transport and fertilization of bull trout. North American Journal of Aquaculture 87(2):147–154. https://doi.org/10.1093/naaqua/vrae006

Species: Bull trout
Location: Alberta
Other Keywords: Fertilization, translocations

Koch, I, B. A. Staton, H. M. Nuetzel, T. R. Seamons, A. P. Matala, K. I. Warheit, M. V. Johnston, C. R. Strom, S. R. Narum, and W. J. Bosch. Evaluating the long-term per capita productivity benefits and associated costs of supplementation in upper Yakima River Chinook salmon. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-17. https://doi.org/10.1139/cjfas-2024-0289

Species: Chinook salmon
Location: Yakima River
Other Keywords: Reproductive success

Kuo, L.-J., J. Tietsort, J. L. Bolton, J. B. Gates, M. Langness, A. Carey, S. O'Neill, and I. R. Schultz. 2025. Analysis of 6PPD-Q in finfish, shellfish, and marine mammal tissues. Chemosphere 379:144418. https://doi.org/10.1016/j.chemosphere.2025.144418

Species: Finfishes, shellfishes, and marine mammals
Location: Puget Sound
Other Keywords: Gas chromatography-mass spectrometry, urban runoff

Lennox, R. J., P. M. B. Mastrodimitropoulos, H. Flávio, K. Cyr, Z. D. Deng, S. J. Cooke, M. L. Piczak. 2025. How small can they go? Microelectronic tags for movement ecology of small aquatic organisms. Fisheries 50(5):209–218. https://doi.org/10.1093/fshmag/vuaf002

Species: n/a
Location: n/a
Other Keywords: Tag miniaturization, tagging effects

Lipscomb, T. N., Z. Siders, S. Austing, J. Von Bargen, and L. A. Earley. 2025. Accelerating the reintroduction of endangered Sacramento River winter-run Chinook salmon to Battle Creek, California using captive broodstock. North American Journal of Fisheries Management 45(2):236-250. https://doi.org/10.1093/najfmt/vqaf009

Species: Chinook salmon
Location: Battle Creek, California
Other Keywords: Reintroduction strategies, spawning success

Liu, R., X. Chen, Y. Zhou, J. Tan, M. Huang, T. Xu, L. Li, Y. Dong, Q. Gao, and S. Dong. 2025. Effects of temperature and size on secretion and gene expression of digestive hormones in steelhead trout (*Oncorhynchus mykiss*). Journal of Ocean University of China 24(3):774–782. https://doi.org/10.1007/s11802-025-6012-y

Location: Steelhead
Species: n/a
Other Keywords: Digestive system physiology, gastrointestinal hormones

Lo, V. K., M. J. Hansen, and N. A. Fangue. The role of nutritional state in the relationship between standard metabolic rate and locomotor activity in juvenile white sturgeon (*Acipenser transmontanus*), with implications for anthropogenically altered food webs. Conservation Physiology 13(1):coaf039. https://doi.org/10.1093/conphys/coaf039

Species: White sturgeon
Location: n/a (lab study)
Other Keywords: Intraspecific variation, metabolic expenditure

Losee, J. P., R. Allan, A. Claiborne, A. Edwards, J. Larson, G. Madel, J. Pope, G. Hellstrom, and D. Palm. 2025. Effect of internal tagging on egg viability of steelhead. Transactions of the American Fisheries Society 154(1):1-6. https://doi.org/10.1093/tafafs/vnae011.

Species: Steelhead
Location: n/a (lab study)
Other Keywords: Egg development

Mantua, N. J., H. Bell, A. E. Todgham, M. E. Daniels, J. Rinchard, J. M. Ludwig, J. C. Field, S. T. Lindley, F. E. Rowland, C. A. Richter, D. Walters, B. Finney, H. A. Distajo, D. Tillitt, D. C. Honeyfield, T. Lipscomb, K. Kwak, J. Kindopp, D. Cocherell, A. Ward, T. H. Williams, J. Harding, N. A. Fangue, C. Jeffres, R. I. Ruiz-Cooley, S. Y. Litvin, S. Foott, M. Adkison, B. Kormos, P. Harte, F. Colwell, C. P. Suffridge, K. C. Shannon, A. Cranford, C. Ambrose, A. Reed, and R. C. Johnson. 2025. Widespread thiamine deficiency in California salmon linked to an anchovy-dominated Marine Prey Base. Proceedings of the National Academy of Sciences 122(26):e2426011122. https://doi.org/10.1073/pnas.2426011122

Species: Pacific salmon
Location: California
Other Keywords: Fry mortality, thiamine deficiencies

McCarrick, D. K., J. L. McCormick, C. A. Steele, D. A. Venditti. 2025. Effects of sampling techniques on short-term survival and genotyping success of salmonid fry. North American Journal of Fisheries Management 45(1):136–140 https://doi.org/10.1093/najfmt/vqae009

Species: Chinook salmon, rainbow trout
Location: Nampa Fish Hatchery, Idaho
Other Keywords: Tissue sampling

McCormick, J. L., L. V. Chiaramonte, M. R. Heller, B. Barnett, T. Copeland, and M. P. Corsi. 2025. Model-based estimates of Chinook salmon redd abundance in a large wilderness area. North American Journal of Fisheries Management 45(3):482-492. https://doi.org/10.1093/najfmt/vqaf033

Species: Chinook salmon
Location: Middle Fork Salmon River, Idaho
Other Keywords: Abundance estimates, aerial surveys

Mund, S. I. 2025. Caring for Pacific salmon: reconsidering salmon-human relationships. Anthropology Today 41(3):4-6. https://doi.org/10.1111/1467-8322.12963

Species: Pacific salmon
Location: British Columbia
Other Keywords: Traditional ecological knowledge, human-environment relations

Ohlberger, J., E. R. Buhle, T. W. Buehrens, N. W. Kendall, T. Harbison, A. M. Claiborne, J. P. Losee, J. Whitney, and M. D. Scheuerell. 2025. Declining marine survival of steelhead trout linked to climate and ecosystem change. Fish and Fisheries 26(3):331-345. https://doi.org/10.1111/faf.12878

Species: Steelhead
Location: Washington coast
Other Keywords: Kelt survival, recruitment residuals

Shankar, P., E. M. Dalsky, J. E. Salzer, R. F. Lane, S. Hammond, W. N. Batts, J. L. Gregg, J. B. Greer, G. Kurath, P. K. Hershberger, and J. D. Hansen. 2025. Evaluation of 6PPD-quinone lethal toxicity and sublethal effects on disease resistance and swimming performance in coastal cutthroat trout (*Oncorhynchus clarkii clarkii*). Environmental Science & Technology 59(23):11505-11514 https://doi.org/10.1021/acs.est.5c03697

Species: Coastal cutthroat trout
Location: n/a (lab study)
Other Keywords: Stormwater runoff, 6PPDQ sensitivity

Parry, S., K. Gillies-Rector, and E. J. Billman. 2025. Utilizing the spotting patterns of bull trout to identify individuals in photo-identification software. Environmental Biology of Fishes 108:781-790. https://doi.org/10.1007/s10641-025-01680-0

Species: Bull trout
Location: July Creek, Idaho
Other Keywords: Identification methods, spotting patterns

Payton, Q., A. F. Evans, J. Fryer, A. Matala, M. Porter, K. Adase, and T. Kock. 2025. Estimating predation of adult sockeye salmon by American white pelicans in the Columbia River using a state-space Bayesian approach. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-13. https://doi.org/10.1139/cjfas-2024-0270

Species: Sockeye salmon
Location: Columbia River
Other Keywords: Predation probabilities, predator–prey interactions

Pearsons, T. N., and T. W Hillman. 2025. Costs and benefits of a multi-generation captive broodstock Chinook salmon hatchery program North American Journal of Fisheries Management 45(3):402-419. https://doi.org/10.1093/najfmt/vqaf020

Species: Chinook salmon
Location: White River, Washington
Other Keywords: Hatchery economics, artificial propagation

Quist, M. C., S. E. Blackburn, M. E. Ulaski, and Z. J. Jackson. 2025. Long-term patterns in growth of white sturgeon in the Sacramento-San Joaquin River Basin, California. Frontiers in Freshwater Science 3:1577065. https://doi.org/10.3389/ffwsc.2025.1577065

Species: White sturgeon
Location: Sacramento-San Joaquin River basin, California
Other Keywords: Population structure, movement behavior

Reich, A. G., M. V. McPhee, C. D. Waters, S. A. May, and M. D. Adkison. 2025. Phenotypic divergence between hatchery pink and coho salmon and their wild counterparts. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-12. https://doi.org/10.1139/cjfas-2024-0276

Species: Pink and coho salmon
Location: Southeast Alaska
Other Keywords: Reproductive traits, hatchery rearing effects

Roni, P., J. Kvistad, S. Burgess, R. Camp, C. Clark, M. Holland, and M. Kaputa. 2025. Efficient monitoring of a large river restoration project using a combination of remote sensing and field data. North American Journal of Fisheries Management 45(2):251-269. https://doi.org/10.1093/najfmt/vqaf001

Location: Entiat River, Washington
Species: Chinook salmon and steelhead

Other Keywords: Targeted data collection, logjams

Rosenfeld, J. S., and D. Enright. 2025. Developing generalized flow ecology relationships for stream salmonids: Providing a clearer empirical basis for minimum flow regulations. Transactions of the American Fisheries Society 154(2):162–178. https://doi.org/10.1093/tafafs/vnaf001

Species: Salmonids
Location: n/a
Other Keywords: Context dependence, environmental flow needs

Ruggerone, G. T., L. Lowe, K. Binkley, and A. Mcdonnell. 2025. Long-term biennial patterns in Puget Sound Chinook salmon and Southern Resident killer whales: the role of pink salmon and implications for ecosystem management. Canadian Journal of Fisheries and Aquatic Sciences 82:1-16. https://doi.org/10.1139/cjfas-2024-0262

Species: Chinook salmon, pink salmon
Location: Puget Sound, Washington
Other Keywords: Spawning grounds, abundances

Sakata, M. K., T. Kanbe, S. Sato, and H. Araki. 2025. Exploring the dynamics of environmental DNA: effects of early developmental stage and physiological state in chum salmon. Environmental DNA 7(3): e70126. https://doi.org/10.1002/edn3.70126

Species: Chum salmon
Location: n/a (lab study)
Other Keywords: eDNA signals, fish development

Scordino, J. J., R. P. Walsh, W. Jasper, D. J. Roche, and W. Tyler. 2025. Expected mortality risk for coho salmon landed in recreational troll fisheries using 1/0 and 6/0 hooks in the marine waters of Washington State. PeerJ 13:e19434. http://dx.doi.org/10.7717/peerj.19434

Species: Coho salmon
Location: Washington State
Other Keywords: Troll fishing, hooking mortality

Sellheim, K., A. Scherer, R. Brown, J. T. Anderson, J. Sweeney, J. E. Merz. 2025. Restored seasonally inundated habitat supports juvenile salmonid rearing and growth in two California Central Valley rivers. North American Journal of Fisheries Management 45(1):32-49. https://doi.org/10.1093/najfmt/vqae003

Species: Chinook salmon
Location: California Central Valley
Other Keywords: Invertebrate prey productivity

Silver, G. S., R. T. Lampman, N. Percival, N. Timoshevskaya, J. J. Smith, K. T. Bentley, J. Wade, S. R. Narum, and J. E. Hess. 2025. Genetic identification of lamprey genera and anadromous ecotypes in watersheds of the northeastern Pacific Ocean. Evolutionary Applications 18(5):e70108. https://doi.org/10.1111/eva.70108

Species: Western brook lamprey, Western river lamprey
Location: Nass River, British Columbia
Other Keywords: Conservation genetics, SNP markers

Sobocinski K. L., M. LeMoine, J. W. Chamberlin, L. Conway-Cranos, A. Del Rio, H. L. Diefenderfer, C. M. Greene, J. Hall, G. E. Johnson, R. M. ThomE. Trujillo E, and T. Zackey. 2025. Assessing the cumulative effects of nearshore habitat restoration actions for multiple populations of juvenile salmon in Whidbey Basin, Washington: foundation and approach for synthesis and evaluation. Frontiers in Marine Science 12:1514508. https://doi.org/10.3389/fmars.2025.1514508

Species: Pacific salmon
Location: Salish Sea
Other Keywords: Ecosystem restoration, estuarine restoration

Steel, A. E., S. E. Baird, M. J. Hansen, and N. A. Fangue. 2025. Size mediates relative risk and anti-predation response in juvenile sturgeon. Transactions of the American Fisheries Society 154(1):60-67. https://doi.org/10.1093/tafafs/vnae009

Species: White sturgeon
Location: n/a
Other Keywords: Predation risk, anti-predation behavior

Stephenson, Z. C., and E. R. Keeley. 2025. In situ videography quantifies temporal and spatial variation in prey consumption and energy intake by stream-dwelling bull trout (*Salvelinus confluentus*). Ecology of Freshwater Fish 34(2):e12824. https://doi.org/10.1111/eff.12824

Species: Bull trout
Location: Pahsimeroi River watershed, Idaho
Other Keywords: Foraging behavior, prey abundance

Tallman, R. L., A. N. Wampler, G. P. Singer, C. A. Jeffres, D. E. Cocherell, J. Colby, N. A. Fangue, R. A. Lusardi, and A. L. Rypel. 2025. Does method of field preparation affect survival and growth of juvenile Chinook salmon in agricultural floodplains? River Research and Applications 41(4):836-848. https://doi.org/10.1002/rra.4399

Species: Chinook salmon
Location: California Central Valley
Other Keywords: Floodplain management, reconciliation ecology

Walser, C. A., and S. Richins. 2025. Hybridization status, distribution, and summer movement of interior Columbia River redband trout, *Oncorhynchus mykiss gairdneri*, in an intermittent stream. Western North American Naturalist 85(1):37-53. https://doi.org/10.3398/064.085.0104

Species: Columbia River redband trout
Location: Dry Creek, Idaho
Other Keywords: Temperature effects

Walter, J. K., M. J. Miranda, R. Tarosky, T. Schill, and J. E. Jones. 2025. Variability in upstream extent of fish distribution in headwater streams in southwest Washington, USA. Transactions of the American Fisheries Society 154(3):215–229. https://doi.org/10.1093/tafafs/vnae004

Species: Various
Location: Various Southwest Washington basins
Other Keywords: Uppermost detected fish, habitat attributes

Whitesel, T. A., and P. M. Sankovich. 2025. Climate projections and Pacific lamprey conservation: evidence that larvae in natural conditions may be resilient to climate warming. Biology 14(1):74. https://doi.org/10.3390/biology14010074

Species: Pacific lamprey
Location: Cedar Creek, Washington
Other Keywords: Climate change, temperature tolerance

Wilson, L. I., M. D. Adkison, B. E. Brenner, E. M. Yasumiishi, and M. V. McPhee. 2025. Spatial variation in age-specific growth of female Chinook salmon. Environmental Biology of Fishes 108: 875-895. https://doi.org/10.1007/s10641-025-01697-5

Species: Chinook salmon
Location: Bering Sea and Gulf of Alaska
Other Keywords: Development across lifespan, population variation

Woodard, G. A., D. E. Schindler, J. Ohlberger, and C. J. Cunningham. 2025. Body size as a leading indicator of run size and application to in-season forecasting of sockeye salmon in Bristol Bay, Alaska. Canadian Journal of Fisheries and Aquatic Sciences 82:1-8. https://doi.org/10.1139/cjfas-2024-0206

Species: Sockeye salmon
Location: Bristol Bay, Alaska
Other Keywords: Forecast accuracy, time-series models

Xie, Y., C. J. Walters, and M. A. Hawkshaw. 2025. A species-specific catchability model to partition hydroacoustic total salmon counts. North American Journal of Fisheries Management Volume 45(1):61-75. https://doi.org/10.1093/najfmt/vqaf010

Species: Sockeye, pink, and Chinook salmon
Location: Fraser River, British Columbia
Other Keywords: CPUE model, gill-net catchability