

Quarterly Journal Article search: October-December 2025
Columbia Basin Fish & Wildlife Library

Anderson, J. H., J. S. Lamperth, C. W. Kinsel, and M. N. C. Litz. 2025. Patterns of density dependence affect coho salmon population response to restoration. *Frontiers in Ecology and Evolution* 13:1691164.

<https://doi.org/10.3389/fevo.2025.1691164>

Species: Coho salmon

Location: Lower Columbia River, Hood Canal

Other Keywords: Intensively Monitored Watersheds, fisheries management

Arai, K., M. Willmes, G. E. Whitman, K. W. Zillig, C. J. Cooper, N. Matsuda, E. A. Bell, K. D. McKeegan, L. S. Lewis, C. A. Jeffres, and R. C. Johnson. 2025. Inter-method differences (SIMS vs. IRMS) in oxygen isotope fractionation: insights from Chinook salmon otoliths. *Geochimica et Cosmochimica Acta* 144:161-172.

<https://doi.org/10.1016/j.gca.2025.10.038>

Species: Chinook salmon

Location: n/a

Other Keywords: Thermometry, stable oxygen isotope

Babyn, J., and N. G. Cadigan. 2025. A PSA for OSA residuals: Residual diagnostics for state-space stock assessment models. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1-18.

<https://doi.org/10.1139/cjfas-2024-0409>

Species: n/a

Location: n/a

Other Keywords: Model diagnostics, time series

Baldock, J. R., R. Al-Chokhachy, and A. Walters. 2025. Groundwater structures fish growth and production across a riverscape. *Freshwater Biology* 70(11):e70112.

<https://doi.org/10.1111/fwb.70112>

Species: Yellowstone cutthroat trout

Location: Snake River, Wyoming

Other Keywords: Spatiotemporal variation

Beamer, E. M., C. M. Greene, J. H. Anderson, R. A. Henderson, C. Kinsel, and C. P. Ruff. 2025. Density-dependent estuarine habitat relationships of wild subyearling Chinook salmon. *Marine and Coastal Fisheries* 17(6):vtaf036. <https://doi.org/10.1093/mcfafs/vtaf036>

Species: Chinook salmon

Location: Skagit River, Washington

Other Keywords: Carrying capacity, tidal deltas

Bradford, K., K. B. Wilson, E. Hodgson, J. W. Moore, A. Reid, A. Salomon, C. Van Der Minne, J. Armstrong, K. Alex, R. Benson, J. Dick, and G. Nicholas. 2025. Indigenous stream caretaking for Pacific salmon: ancestral lifeways to guide restoration, relationships, rights, and responsibilities. *FACETS* 10:1-20.

<https://doi.org/10.1139/facets-2025-0042>

Species: Pacific salmon

Location: British Columbia

Other Keywords: Human-salmon relationships, traditional ecological knowledge

Bottom, D. L., K. K. Jones, A. B. Borde, K. L. Krueger, G. E. Johnson, J. M. Castro, and R. M. Thom. 2025. A salmon ecosystem conceptual foundation for estuary restoration. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1-22. <https://doi.org/10.1139/cjfas-2025-0139>

Species: Salmonids

Location: Columbia River Estuary

Other Keywords: Cross-scale connectivity

Bui, T. K., and R. McLain. 2025. Collaborative governance and hydrosocial territorialization: reaching consensus on salmon restoration goals in the Columbia River Basin. *The Professional Geographer* 1-9. <https://doi.org/10.1080/00330124.2025.2572421>

Species: Pacific salmon

Location: Columbia River Basin

Other Keywords: Fisheries management

Chaudhuri, C. D. Braun, E. Hodgson, and C. Robertson. 2025. Quantifying flood-pulse dynamics and associated wetland habitats for juvenile salmon in a large free-flowing river. *Science of The Total Environment* 1009:181038. <https://doi.org/10.1016/j.scitotenv.2025.181038>

Species: Coho salmon

Location: North Thompson River, British Columbia

Other Keywords: Habitat connectivity

Clancy, N. G., F. J. Rahel, B. K. Peoples, A. W. Walters, J. Lyons, N. E. Mandrak, P. E. Budy, E. A. Frimpong, W. F. Cross. 2025. On the importance and practical conservation of nongame fishes. *Fisheries* 50(10):460–472 <https://doi.org/10.1093/fshmag/vuaf040>

Species: Multiple

Location: n/a

Other Keywords: Functional roles

Cochrane, M. M., T. J. Cline, T. S. Schmidt, J. L. Dunnigan, W. G. Warnock, and C. C. Muhlfeld. 2025. Non-native prey availability and over-compensatory density dependence drive population dynamics of a native fish predator. *Ecological Applications* 35(7):e70103. <https://doi.org/10.1002/eap.70103>

Species: Bull trout

Location: Lake Koocanusa, Montana and British Columbia

Other Keywords: Integrated population model, population ecology

Correa, G. M., C.C. Monnahan, T. J. Miller, and J. Y. Sullivan. 2025. Performance of age-only state-space assessment models under diverse somatic growth scenarios. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1-17. <https://doi.org/10.1139/cjfas-2025-0164>

Species: n/a

Location: n/a

Other Keywords: Age-length dynamics

Couture, F., S. Toews, and S. Thornton. 2025. Partitioning the influence of Chinook salmon productivity and stock-specific abundance on the southern resident killer whale population. *Global Ecology and Conservation* 63:e03909. <https://doi.org/10.1016/j.gecco.2025.e03909>

Species: Chinook salmon and Southern resident killer whales

Location: Fraser River, British Columbia and Pacific Ocean

Other Keywords: Ecopath with Ecosim

Curtis, S., B. Fischhoff, and V. Karplus. 2025. Subsistence preference in practice: access decisions in Salmon Fisheries in the Alaskan Yukon River. *Ecology and Society* 30(4).

<https://doi.org/10.5751/es-16644-300443>

Species: Pacific salmon

Location: Yukon River, Alaska

Other Keywords: Fisheries management

Dagodzo, D., D. C. Eickmeyer, L. E. Kimpe, D. T. Selbie, J. P. Smol, and J. M. Blais. 2025. Tracking long-term trends in sockeye salmon (*Oncorhynchus nerka*) population dynamics using sterol and stanol biomarkers in lake sediments. *Journal of Geophysical Research: Biogeosciences* 130(9):e2025JG008903. <https://doi.org/10.1029/2025JG008903>

Species: Sockeye salmon

Location: Alaska

Other Keywords: Escapement patterns

Dennert, A. M., A. G. Rosenberger, G. Knox, M. MacDuffee, K. Yehle, and A. Hill. 2025. Gaps in policy implementation obscure conservation progress after two decades under Canada's wild Salmon Policy. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1–14.

<https://doi.org/10.1139/cjfas-2025-0111>

Species: Pacific salmon

Location: Canada

Other Keywords: Policy effectiveness

Duvall, B., J. Fabela, R. Astorga, Q. Butler, N. Dacon, J. Farrell, K. Jensen, H. P. Nguyen, K. Padron, K. P. Nau, A. Runyon, E. Wonch, M. R. Lambert, M. R. Friesen. 2025. Salmon juveniles are vulnerable to predation by invasive African clawed frogs in Washington state. *Canadian Journal of Zoology* 103:1-10.

<https://doi.org/10.1139/cjz-2025-0019>

Species: Chinook, coho, and chum salmon

Location: Washington state

Other Keywords: Non-native invasive species

Esquible, J., A. Hoffman, D. Ropati, B. Woods, J. Black, R. Donkersloot, M. Williams, W. Justin, J. Leon, C. Stevens, C. Chythlook, T. Wagner, and C. Carothers. 2025. Bridging knowledge systems and perspectives to inform salmon management and research: A Kuskokwim River case study. *Ecology and Evolution* 15(10):e72146. <https://doi.org/10.1002/ece3.72146>

Species: Pacific salmon

Location: Southwest Alaska

Other Keywords: Knowledge sharing, subsistence fisheries

Flannery, B. G., R. J. Brown, and J. H. Eiler. 2025. Genetic mixed-stock analysis reveals evidence of adverse effects on fall Chum salmon tagged in the Yukon River. *North American Journal of Fisheries Management* 45(5):949–957. <https://doi.org/10.1093/najfmt/vqaf065>

Species: Chum salmon

Location: Yukon River, Alaska and British Columbia

Other Keywords: Microsatellites, genetic stock composition

Gard, M., W. R. Cowan, L. Richardson, D. Haas, and R. Holmes. 2025. Case studies on the use of LIDAR data for hydraulic modeling of upstream fish passage. *River Research and Applications* 48(8):1781-1786. <https://doi.org/10.1002/rra.70000>

Species: Steelhead

Location: Ventura and Santa Clara rivers, California

Other Keywords: Shallow-braided rivers, flow criteria

González-Vázquez, M. A., B.-B. M. Wong, R. K. Niven, and D. Wlodkovic. 2025. Organic pollutants leaching from tire waste: Ecotoxicity implications for aquatic species. *Aquatic Toxicology* 289:107613.

<https://doi.org/10.1016/j.aquatox.2025.107613>

Species: Multiple

Location: n/a

Other Keywords: Tire-related pollutants, ecotoxicology

Griffiths, W. K., and S. Blumenshine. Introduced piscivore scope for predation can limit the success of native fish reintroduction efforts, *Transactions of the American Fisheries Society* 154(6):719-730.

<https://doi.org/10.1093/tafafs/vnaf041>

Species: Chinook salmon, largemouth bass

Location: San Joaquin River, California

Other Keywords: Bioenergetics

Harding, J. A., I. S. Iglesias, B. K. Wells, W. R. Friedman, and D. D. Huff. 2025. Juvenile salmon prey sampled at sea using a pelagic rope trawl and a frame trawl. *Fisheries Research* 290:107515.

<https://doi.org/10.1016/j.fishres.2025.107515>

Species: Pacific salmon

Location: California Current

Other Keywords: Micronekton

Hinch, S. G., S. J. Cooke, and N. Young. 2025. Once considered a 'disruptive science', biotelemetry is now among the most trusted and relevant approaches informing salmon fisheries management. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1-16. <https://doi.org/10.1139/cjfas-2025-0213>

Species: Pacific salmon

Location: British Columbia

Other Keywords: Fisheries management, decision making

Hipfner, M. J. M., S. Tucker, T. D. Beacham, and M. Trudel. 2025. Stock composition of juvenile salmon taken by an abundant, pursuit-diving seabird in the coastal waters of British Columbia,

Canada. Canadian Journal of Fisheries and Aquatic Sciences 82:1-13
<https://doi.org/10.1139/cjfas-2025-0042>

Species: Pacific salmon
Location: British Columbia
Other Keywords: Avian predation, resource pulses

Howard, J. K., A. R. Barnett, K. A. Fesenmyer, and M. G. Anderson. 2025. From fragmentation to resilience: Connectivity and habitat diversity as drivers of fish persistence in California watersheds. PLOS One 20(12):e0339212. <https://doi.org/10.1371/journal.pone.0339212>

Species: Salmonids
Location: California
Other Keywords: River restoration, river connectivity

Huberty, S. 2025. Nutritional sustainability of California (*Zalophus californianus*) and steller sea lion (*Eumetopias jubatus*) diets under future climate conditions. UF Journal of Undergraduate Research 27. <https://doi.org/10.32473/ufjur.27.138670>

Species: Sea lions
Location: Pacific coast of North America
Other Keywords: Bottom-up control, species distribution model

Huff Hartz, K. E., K. J. Knaub, L. Cominassi, G. S. Molinari, S. Power, M. Arkles, S.D.M. Chinthaka, A. Chandler, M. Habibullah-Al-Mamun, G. Whitley, A. Segarra, R. E. Connon, S. Acuña, and M. J. Lydy. 2025. Development of a fipronil insecticide response spectrum model for juvenile Chinook salmon (*Oncorhynchus tshawytscha*). Environmental Pollution 385:127122. <https://doi.org/10.1016/j.envpol.2025.127122>

Species: Chinook salmon
Location: Yolo Bypass and Sacramento River, California
Other Keywords: Whole-body residue measurements

Iacarella, J. C., R. Chea, and D. A. Patterson. 2025. Potential limits to local adaptation of Coho salmon populations from eggs to fry under naturally varying and warming temperature conditions. Transactions of the American Fisheries Society 154(6):693–707. <https://doi.org/10.1093/tafafs/vnaf039>

Species: Coho salmon
Location: British Columbia
Other Keywords: Common garden experiment, climate change impacts

Ip, Y. C. A., G. Guri, E. A. Allan, and R. P. Kelly. 2025. Passive air sampling detects environmental DNA transfer from water into air. Scientific Reports 15:42245. <https://doi.org/10.1038/s41598-025-26293-6>

Species: Coho salmon
Location: Issaquah Creek, Washington
Other Keywords: Aerosolization, quantitative eDNA analysis

Kastl, B., M. Obedzinski, S. M. Carlson, S. N. Pierce, M. M. van Docto, K. W. Skorko, K. Flynn, W. M. Slaughter, E. Ruiz, and T. E. Grantham. 2025. Navigating shallow streams: Effects of changing stream water depths on outmigration of endangered coho salmon. River Research and Applications 41(8):1726-1736. <https://doi.org/10.1002/rra.4466>

Species: Coho salmon
Location: Russian River watershed, California
Other Keywords: Instream flow, riffle crest thalwegs

King, J., E. Fergusson, A. Somov, T. Miller, E. A. Pakhomov, M. R. Baker, and K. Flynn 2025. Winter diets of Pacific salmon in the North Pacific. *Fisheries Oceanography* 34(6):118-138.

<https://doi.org/10.1111/fog.70002>

Species: Various salmonids
Location: North Pacific Ocean
Other Keywords: Trophic dynamics, feeding strategies

Kovach, R., D. Bell, S. Amish, S. Smith, K. Cook, D. Schmetterling, M. Jaeger, and A. Whiteley. 2025. Defining hybridization thresholds for native species conservation in the genomic era. *Fisheries* 50(10):438–450. <https://doi.org/10.1093/fshmag/vuaf023>

Species: Westslope cutthroat trout
Location: Missouri River watershed, Montana
Other Keywords: Data-based decision frameworks, conservation genetics

Lazaro-Côté, A., N. J. Mochnacz, B. Kissinger, S. M Arnold, and K. M. Jeffries. 2025. Leveraging omics for bull trout conservation. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1-10.

<https://doi.org/10.1139/cjfas-2025-0019>

Species: Bull trout
Location: n/a
Other Keywords: mRNA, qPCR

Ledoyen, M. D., and G. B. Pasternack. 2025. Near census evaluation of juvenile salmonid physical cover features in a regulated gravel river. *Journal of Ecohydraulics* 1-20.

<https://doi.org/10.1080/24705357.2025.2572574>

Species: Chinook salmon, steelhead
Location: Yuba River, California
Other keywords: Fluvial geomorphology

Lewis, Z. K., B. W. Nelson, A. M. Akmajian, J. J. Scordino, E. M. Allyn, S. Brown, D. Schwarz, and A. Acevedo-Gutiérrez. 2025. Steller sea lion (*Eumetopias jubatus*) consumption of ocean age-0 Chinook salmon (*Oncorhynchus tshawytscha*) along the northwest coast of Washington State. *PLoS One* 20(11): e0334612. <https://doi.org/10.1371/journal.pone.0334612>

Species: Chinook salmon
Location: Northwest coast of Washington state
Other Keywords: Pinniped predation

Losee, J. P., R. Freeman, and G. Madel. 2025. Environmental variability in freshwater drives spawn timing and spawner abundance for anadromous coastal cutthroat trout. *Northwest Science* 98(3):206-219. <https://doi.org/10.3955/046.098.0303>

Species: Coastal cutthroat trout
Location: Puget Sound
Other Keywords: Redd abundance, abiotic factors

Mantua, R. C. Johnson, W. H. Satterthwaite, and T. H. Williams. 2025. Abundance trends of Pacific salmon during a quarter century of ESA protection. *Fish and Fisheries* 26(6):1087-1106.

<https://doi.org/10.1111/faf.70019>

Species: Pacific salmon

Location: Oregon, Washington, Idaho, California

Other Keywords: Distinct population segments, conservation

Martinez, V., C. Mondaca, J. Dorner, P. Zamorano, J. Palomino, and N. Galarce. 2026. Validation of sex determination genes in the coho salmon (*O. Kisutch*) genome and development of a rapid diagnostic test using CRISPR/CAS12. *Aquaculture* 612:743150.

<https://doi.org/10.1016/j.aquaculture.2025.743150>

Species: Coho salmon

Location: n/a

Other Keywords: Sex chromosomes

May, S. A., S. W. Rosenbaum, D. E. Pearse, M. Kardos, C. R. Primmer, D. S. Baetscher, and R. S. Waples. 2025. The genomics revolution in nonmodel species: predictions vs. reality for salmonids. *Molecular Ecology* 34(23):e17758. <https://doi.org/10.1111/mec.17758>

Species: Salmonids

Location: n/a

Other Keywords: Adaptive diversity, whole-genome sequencing

McCoy, B. O., and S. Mousavian. 2025. Sustainable energy transitions and competing demands: Lessons from the Bonneville Power Administration. *Current Sustainable/Renewable Energy Reports* 12:34. <https://doi.org/10.1007/s40518-025-00284-7>

Species: n/a

Location: n/a

Other Keywords: Adaptive management

McKenzie, E. J., N. P. Rogozynski, T. Rodríguez-Ramos, J. W. Heath, and B. Dixon. 2025. The effect of acute heat stress on the Chinook salmon immune system and their ability to combat *Vibrio anguillarum* infection and mortality. *Fish & Shellfish Immunology* 167:110905.

<https://doi.org/10.1016/j.fsi.2025.110905>

Species: Chinook salmon

Location: n/a

Other Keywords: Heat shock

Meyer S., J. L. McCormick, T. Copeland, and A. Young. 2025. Ecological benefits and risks to native salmonids from beaver dam analogs. *Frontiers in Ecology and Evolution* 13:1683942.

<https://doi.org/10.3389/fevo.2025.1683942>

Species: Rainbow trout and brook trout

Location: Hawley Creek, Idaho

Other Keywords: Before-after-control-impact analysis

Midway, S. R., and D. J. Daugherty. 2025. Clarity over complexity: Statistical reporting that resonates. *Fisheries* 50(10):451–459. <https://doi.org/10.1093/fshmag/vuaf043>

Species: n/a

Location: n/a

Other Keywords: Scientific communication

Min, M. A., R. A. Buchanan, and M. D. Scheuerell. 2025. Modeling climate and hydropower influences on the movement decisions of an anadromous species. *Global Change Biology* 31(10):e70533. <https://doi.org/10.1111/gcb.70533>

Species: Steelhead

Location: Columbia River Basin

Other Keywords: Movement ecology, thermal response

Mochnacz, N. J., M. M. Guzzo, M. F. Docker, and D. J. Isaak. 2025. Integrating adaptive capacity alters outcomes when modelling effects of warming on a cold-water fish in a sub-arctic ecosystem. *Diversity and Distributions* 31(10):e70097. <https://doi.org/10.1111/ddi.70097>

Species: Bull trout

Location: Northern Canada

Other Keywords: Movement ecology, Bayesian modeling

Moore, J. W., M. E. Ulaski, K. L. Wilson, T. G. Martin, S. D. Kuiper, S. J. Peacock, D. C. Braun, S. M. Naman, K. J. Pitman, A. J. Reid, J. S. Rosenfeld, N. C. Sainsbury, S. M. Wilson, and B. J. Zdasiuk. 2025. A safe operating space for salmon watersheds under rapid climate change. *Fish and Fisheries* 26(6):1213-1228. <https://doi.org/10.1111/faf.70027>

Species: Pacific salmon

Location: n/a

Other Keywords: Climate adaptation, social- ecological system

Munsch, S. H., T. R. Bennett, J. Faulkner, M. J. Halloran, K. M. Hanson, M. C. Liermann, M. L. McHenry, J. R. McMillan, R. E. Moses, B. Pagliuco, G. R. Pess, K. R. Stonecypher, and D. M. Ward. 2025. Juvenile salmonids traverse coastal meta-nurseries that connect rivers via the sea. *Frontiers in Ecology and the Environment* 23(8):e2848. <https://doi.org/10.1002/fee.2848>

Species: Pacific salmonids

Location: Washington and California

Other Keywords: Juvenile movement, rearing habitat

Obedzinski, M, G. E Horton, S. Nossaman Pierce, A. Bartshire, N. Bauer, P. G. Olin, S. M. Carlson, and T. E. Grantham. 2025. Lessons learned from integrated long-term monitoring of a coho salmon population complex in the Russian River watershed. *Frontiers in Ecology and Evolution* 13:1690506.

<https://doi.org/10.3389/fevo.2025.1690506>.

Species: Coho salmon

Location: Russian River, California

Other Keywords: Intensive watershed monitoring, life history diversity

Obley, M. B., R. H. Milston-Clements, S. R. Bollmann, and M. S. Blouin. 2025. Grading by size to reduce the opportunity for domestication selection in hatchery-reared steelhead (*Oncorhynchus mykiss*). *PLoS One* 20(12):e0338623. <https://doi.org/10.1371/journal.pone.0338623>

Species: Steelhead

Location: n/a

Other Keywords: Size variance, fitness

Papenfus, M., and M. A. Weber. 2025. Valuing wild salmon and steelhead recovery in Oregon's most urbanized watershed. *Ecological Economics* 236:108540.

<https://doi.org/10.1016/j.ecolecon.2025.108540>

Species: Chinook salmon and steelhead

Location: Willamette River watershed, Oregon

Other Keywords: Existence value, recovery planning

Pilkerton, A. M., S. M. McCullough, L. S. Patterson, F. J. Rahel, and A. W. Walters. 2025. Suspended sediment and fisheries: an exploration of empirical relationships. *North American Journal of Fisheries Management* 45(5):753–766. <https://doi.org/10.1093/najfmt/vqaf051>

Species: n/a

Location: n/a

Other Keywords: Dose–response models

Porreca, A. P., K. J. Broadway, D. S. Radford, D. J. Yff, D. H. Wahl, and J. J. Parkos. 2025. A field comparison of different boat electrofishers with comments on standardization. *North American Journal of Fisheries Management* 45(5):891–899. <https://doi.org/10.1093/najfmt/vqaf076>

Species: n/a

Location: n/a

Other Keywords: Power goal, voltage gradient

Price, M., and J. W. Moore. 2025. From policy to practice: Declines in monitoring and Pacific salmon conservation in Canada. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1-11.

<https://doi.org/10.1139/cjfas-2025-0123>

Species: Pacific salmon

Location: Canada

Other Keywords: Wild Salmon Policy, spawner data

Quinn, T. P. 2025. Changing themes in Pacific salmon research and conservation. *Reviews in Fisheries Science & Aquaculture* 1–25. <https://doi.org/10.1080/23308249.2025.2595550>

Species: Pacific salmon

Location: n/a

Other Keywords: Conservation themes

Reid, C. H., J. A. Crossman, M. M. Marrello, L. LaRochelle, and S. J. Cooke. 2025. Quantifying behavioural impairment as a proxy for physiological stress to improve welfare of imperilled white sturgeon (*Acipenser transmontanus*) during routine sampling efforts. *Applied Animal Behaviour Science* 292:106762. <https://doi.org/10.1016/j.applanim.2025.106762>

Species: White sturgeon

Location: Transboundary Reach of the upper Columbia River, British Columbia

Other Keywords: Accelerometry, sampling protocols

Rossi, G. J., G. E. Horton, J. T. Shaffer, P. B. Georgakakos, C. Loomis, and M. Obedzinski. 2026. Risky main stems are a poorly understood constraint on salmon recovery in coastal California rivers. *North American Journal of Fisheries Management* 45(6):1171–1189.

<https://doi-org.cbfiw.idm.oclc.org/10.1093/najfmt/vqaf095>

Species: Coho salmon

Location: Russian and the South Fork Eel river, California

Other Keywords: Life cycle monitoring, habitat restoration

Sayles, J. S., P. Ahern, O. Bird, and N. C. Ban. 2026. Effects of marine management measures on saltwater recreational fishers in British Columbia, Canada: Fishers' motivations, values, beliefs, and marine stewardship. *North American Journal of Fisheries Management* 45(6):1048–1062. <https://doi-org.cbfwl.idm.oclc.org/10.1093/najfmt/vqaf078>

Species: n/a

Location: Pacific Coast of British Columbia

Other Keywords: Sociocultural benefits

Shelledy, K. N., and K. P. Currens. 2025. Indigenous and western frameworks reveal bias in the scientific literature on salmon's contributions to social-ecological systems. *People and Nature* 7(11):2602-2621. <https://doi.org/10.1002/pan3.70135>

Species: Pacific salmon

Location: n/a

Other Keywords: Systematic review, social-ecological values

Shuman-Goodier, M., J. Meador, A. Carey, and S. O'Neill. 2025. Emerging contaminants in juvenile Chinook salmon: patterns of exposure and implications for conservation. *Environmental Pollution* 382:126639. <https://doi.org/10.1016/j.envpol.2025.126639>

Species: Chinook salmon

Location: Washington state

Other Keywords: PFAS, pharmaceuticals

Simpson, W. G., T. J. Blubaugh, and T. A. Whitesel. 2025. Laboratory evaluation of potential climate change impacts on the larval metamorphosis of Pacific lamprey (*Entosphenus tridentatus*). *Environmental Biology of Fishes* 108:1401–1411. <https://doi.org/10.1007/s10641-025-01732-5>

Species: Pacific lamprey

Location: n/a

Other Keywords: Winter temperatures

Staton, B. A., W. R. Bechtol, L. G. Coggins Jr., and G. Decossas. 2025. In-season predictions of daily harvest for lower Kuskokwim River subsistence salmon fisheries. *North American Journal of Fisheries Management* 45(5):779–794. <https://doi.org/10.1093/najfmt/vqaf055>

Species: Pacific salmon

Location: Kuskokwim River, Alaska

Other Keywords: Regression analysis

Staton, B. A., P. P. Gibson, M. Liermann, C. Justice, M. J. Kaylor, R. Sharma, and S. M. White. 2025. A state-space model to quantify density dependence, demographic heterogeneity, and spatial synchrony in Grande Ronde Basin Chinook salmon populations. *Ecological Modelling* 510:111289. <https://doi.org/10.1016/j.ecolmodel.2025.111289>

Species: Chinook salmon

Location: Grande Ronde Basin

Other Keywords: Synchronous dynamics

Stewart, I. J., and C. C. Monnahan. 2025. Diagnosing common sources of lack of fit to composition data in fisheries stock assessment models using One-Step-Ahead (OSA) residuals. *Canadian Journal of Fisheries and Aquatic Sciences*. 82:1-13. <https://doi.org/10.1139/cjfas-2025-0158>

Species: n/a

Location: n/a

Other Keywords: Goodness-of-fit, data-weighting

Thiessen, J. D., T. A. Brauer, M. P. Peterson, and J. R. Kozfkay. 2025. American white pelican predation of wild rainbow trout and brown trout in Silver Creek, Idaho. *North American Journal of Fisheries Management* 45(5):958–966. <https://doi.org/10.1093/najfmt/vqaf067>

Species: Rainbow trout, brown trout, white pelican

Location: Silver Creek, Idaho

Other Keywords: Hazing, telemetry

Tschaplinski, P. J., D. A. Reid, R. G. Pike, and D. L. Spittlehouse. 2025. Long-term forestry and climate change effects on watershed processes and salmon populations at Carnation Creek, Vancouver Island, British Columbia. *Frontiers in Ecology and Evolution* 13:1704400. <https://doi.org/10.3389/fevo.2025.1704400>

Species: Pacific salmon

Location: Carnation Creek, British Columbia

Other Keywords: Fish-forestry interactions, land use management

Ulaski, M. E., J. W. Moore, D. Carlson, K. F. Taddei, K. Kriese, J. Griggs, C. Clarke Murray, M. Adams, K. L. Wilson, A. Reid, N. Sainsbury, S. Cannon, E. Griggs, and T. G. Martin. 2025. Barriers and opportunities for the effective management of cumulative effects in salmon ecosystems in British Columbia, Canada. *FACETS* 10:1-25. <https://doi.org/10.1139/facets-2024-0348>

Species: Pacific salmon

Location: British Columbia

Other Keywords: Climate change, habitat degradation

Unsworth, J. S., A. M. Dux, C. A. Camacho, and M. C. Quist. 2025. Population and outmigration characteristics of juvenile bull trout in a montane ecosystem. *Journal of Wildlife Management* 89(8): e70116. <https://doi.org/10.1002/jwmg.70116>

Species: Bull trout

Location: St. Joe River, Idaho

Other Keywords: Distribution and abundance, habitat associations

van Doornik, D. M., B. A. Berejikian, and A. M. Claiborne. 2025. Genetic monitoring of a long-term, large-scale experimental steelhead supplementation program. *PLoS One* 20(12):e0339458. <https://doi.org/10.1371/journal.pone.0339458>

Species: Steelhead

Location: Puget Sound, Washington

Other Keywords: Genetic diversity, population sizes

van Hamel, A., G. Bruno, C. Chartier-Rescan, C. Frank, M. H. Grundmann, D. M. Hannah, C. W. Twining, and M. I. Brunner. 2025. Riverine heatwaves are an emergent climate change risk. *Nature Water* 3(12):1356–1364. <https://doi.org/10.1038/s44221-025-00541-5>

Species: n/a

Location: n/a

Other Keywords: climate change impacts, riverine heatwaves

Vosbigian, R. A., A. Ballinger, T. E. Link, T. Copeland, and M. R Falcu. 2025. Elevation mediates juvenile steelhead demographic response to stream temperature and flow. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1-16. <https://doi.org/10.1139/cjfas-2025-0057>

Species: Steelhead

Location: Idaho

Other Keywords: Climate change, streamflow

Wilson, K. L., W. I. Atlas, C. K. Whitney, M. Reid, C. N. Service, B. M. Connors, and M. S. Adams. 2025a. Using fisheries risk assessment to inform precautionary and collaborative management in a declining Coho salmon fishery. *Canadian Journal of Fisheries and Aquatic Sciences* 82:1–18. <https://doi.org/10.1139/cjfas-2025-0023>

Species: Coho salmon

Location: British Columbia

Other Keywords: Population dynamics, Bayesian hierarchical models

Winkowski, J. J., L. M. Crosson, and J. D. Olden. 2025. Unraveling multipredator impacts in salmon-bearing rivers using quantitative DNA metabarcoding. *Ecological Applications* 35(8):e70158. <https://doi.org/10.1002/eap.70158>

Species: Pacific salmon

Location: Washington, Oregon

Other Keywords: Invasive species, diet analysis

Zoellick, B. W., M. McCollister, and M. Liermann. 2025. Adult coho salmon use of restored side channel habitat. *North American Journal of Fisheries Management* 45(5):914–922. <https://doi.org/10.1093/najfmt/vqaf054>

Species: Coho salmon

Location: Salmon River, Oregon

Other Keywords: Habitat restoration, redd densities

Zubick, P., S. G. Hinch, A. G. Lotto, N. W. R. Lapointe, C. Mount, and Z. T. Sherker. 2025. Restoring connectivity: A comparative analysis of culvert barrier remediation techniques in British Columbia. *North American Journal of Fisheries Management* 45(5):767–778. <https://doi.org/10.1093/najfmt/vqaf041>

Species: n/a

Location: British Columbia

Other Keywords: Fish passage, habitat connectivity