

**Quarterly Journal Article search: July-September 2024**  
**Columbia Basin Fish & Wildlife Library**

Barrett, H., S. Gregory, and J. Armstrong. 2024. Evidence of a temperature–oxygen squeeze within floodplain thermal refuge habitats. *Freshwater Biology* 69(8):1118-1130.

<https://doi.org/10.1111/fwb.14294>

Species: Cutthroat trout

Location: Willamette River

Other Keywords: Thermal refuges, oxygen constraints

Bryan, D. R., N. Yochum, and K. C. Wilson. 2024. Evaluating Pacific salmon swimming behavior in the aft end of a pelagic trawl to inform bycatch reduction device design and use. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 16(4):e10306. <https://doi.org/10.1002/mcf2.10306>

Species: Pacific salmon, walleye, pollock

Location: Alaska coast

Other Keywords: Bycatch escapement

Copeland, T., J. D. Ebel, R. N. Kinzer, and M. P. Corsi. 2024. How do management goals for wild Chinook salmon align with feasibility? *Fisheries* 49(9):412-422. <https://doi.org/10.1002/fsh.11108>

Species: Chinook salmon

Location: Snake River Basin

Other Keywords: Emigration to adult survival

del Valle, E., B. Neal, I. Martínez-Candelas, P. Dann, D. Webb, and L. McClenachan. 2024. Fishing in turbulent waters: resilience, risk, and trust in British Columbia's declining commercial salmon fishery. *FACETS* 9:1-17. <https://doi.org/10.1139/facets-2023-0204>

Species: Pacific salmon

Location: British Columbia

Other Keywords: Fishers, fishery management perspectives

Crossman, J., A.-M. Flores, A. Messmer, R. Nelson, S. McAdam, P. Johnson, P. Reece, and B. Koop. 2024. Development of eDNA protocols for detection of endangered white sturgeon (*Acipenser transmontanus*) in the wild. *Environmental DNA* 6(5):e70006. <https://doi.org/10.1002/edn3.70006>

Species: White sturgeon

Location: n/a (lab study)

Other Keywords: Quantitative PCR

Falcy, M. R., and R. J. Constable Jr. 2024. Quantifying uncertainty when extrapolating the relationship between snorkel counts and mark-recapture estimates of juvenile salmonids. *Canadian Journal of Fisheries and Aquatic Sciences*. 81(9):1279-1291. <https://doi.org/10.1139/cjfas-2023-0085>

Species: Coho salmon, steelhead and cutthroat trout

Location: Oregon coastal streams

Other Keywords: Counting accuracy

Freshwater, C., S. C. Anderson, and J. King. 2024. Model-based indices of juvenile Pacific salmon abundance highlight species-specific seasonal distributions and impacts of changes to survey design. *Fisheries Research* 277:107063. <https://doi.org/10.1016/j.fishres.2024.107063>

Species: Pacific salmon

Location: British Columbia Coast

Other Keywords: Spatiotemporal distribution models, diel vertical migration

Ghere, C. L., R. S. Hardy, S. M. Wilson, and M. C. Quist. 2024. Evaluation of techniques for estimating the age and growth of known-age White Sturgeon. *North American Journal of Fisheries Management* 44(4): 880-889. <https://doi.org/10.1002/nafm.11021>

Species: White sturgeon

Location: Kootenai River

Other Keywords: Age/growth estimation methods

Ghere, C. L., M. C. Quist, R. S. Hardy, M. Willmes, L. S. Lewis, S. M. Wilson, and T. W. Smith. 2024. An evaluation of fin ray microchemistry to describe movement of white sturgeon in the Kootenai River Basin: Insights and limitations. *Frontiers in Freshwater Science* 2:1475115. <https://doi.org/10.3389/ffwsc.2024.1475115>

Species: White sturgeon

Location: Kootenai River Basin

Other Keywords: Microchemistry analysis, movement detection

Gosselin, J. L., K. McCarthy, and B. L. Sanderson. 2024. Predicting juvenile-to-adult survival in Chinook salmon using non-lethal scale-derived growth and regeneration indices. *Ecoscience* 31(1-2):11-25. <https://doi.org/10.1080/11956860.2024.2374052>

Species: Chinook salmon

Location: Snake River

Other Keywords: Brood-year-specific growth coefficient

Hallbert, T. B., and E. R. Keeley. 2024. Allometric shifts in foraging site selection and area increase energy intake for Yellowstone Cutthroat Trout but are constrained by functional limits to prey capture. *Transactions of the American Fisheries Society* 153(5):660-673. <https://doi.org/10.1002/tafs.10484>

Species: Yellowstone cutthroat trout

Location: Southeastern Idaho

Other Keywords: 3D videography

Hance, D. J., J. M. Plumb, R. W. Perry, and K. F. Tiffan. 2024. Back from the brink: estimating daily and annual abundance of natural-origin salmon smolts from 30-years of mixed-origin capture-recapture data. *Fisheries Research* 278:107098. <https://doi.org/10.1016/j.fishres.2024.107098>

Species: Chinook salmon  
Location: Lower Granite Dam, Snake River  
Other Keywords: Abundance modeling, hatchery v. wild stocks

Hargrove, J. S., M. R. Campbell, K. Gunnell, B. High, C. Johnson, P. A. Kennedy, J. L. Loxterman, M. B. Ptacek, S. M. Seiler, and E. R. Keeley. 2024. Interspecific hybridization in a large-river population of Yellowstone Cutthroat Trout: a 20-year programmatic evaluation. *North American Journal of Fisheries Management* 44(4):747-762. <https://doi.org/10.1002/nafm.11014>

Species: Yellowstone cutthroat trout  
Location: South Fork Snake River  
Other Keywords: Management action impacts, demographic shifts

Harrison, H. L., and V. Berseth. 2024. A commentary on the role of hatcheries and stocking programs in salmon conservation and adapting ourselves to less-than-wild futures. *Fish and Fisheries* 25(4):750-760. <https://doi.org/10.1111/faf.12836>

Species: Pacific and Atlantic salmon  
Location: n/a  
Other Keywords: Hatchery v. wild stocks, climate change impacts

Henslee, L. H., R. Ivanoff, Z. W. Liller, P. A. Westley, and A. C. Seitz. 2024. Acoustic telemetry yields stock membership clues for Coho Salmon harvested in coastal fisheries. *Transactions of the American Fisheries Society* 152(5):674-690. <https://doi.org/10.1002/tafs.10486>

Species: Coho salmon  
Location: Norton Sound, Alaska  
Other Keywords: Stock composition, commercial fisheries

Hugentobler, S. A., A. M. Sturrock, M. Willmes, T. Q. Thompson, R. C. Johnson, F. Cordoleani, N. J. Stauffer-Olsen, G. Whitman, and M. H. Meek. 2024. Remnant salmon life history diversity rediscovered in a highly compressed habitat. *Evolutionary Applications* 17(7):e13741. <https://doi.org/10.1111/eva.13741>

Species: Chinook salmon  
Location: Yuba River, California  
Other Keywords: Genetic diversity, GREB1L genotypes

Huntsman, B. M., M. L. Wulff, N. Knowles, T. Sommer, F. V. Feyrer, and L. R. Brown. 2024. Estimating the benefits of floodplain restoration to juvenile Chinook salmon in the upper San Francisco Estuary, United States, under future climate scenarios. *Restoration Ecology* 32(7):e14238. <https://doi.org/10.1111/rec.14238>

Species: Chinook salmon  
Location: Yolo By-Pass, California  
Other Keywords: River connectivity, weir modification

Iacarella, J. C., R. Chea, D. A. Patterson, and J. D. Weller. 2024. Projecting exceedance of juvenile salmonid thermal maxima in streams under climate change: a crosswalk from lab experiments to riparian restoration. *Freshwater Biology* 69(9):1218-1231. <https://doi.org/10.1111/fwb.14300>

Species: Chinook salmon, coho salmon

Location: British Columbia

Other Keywords: Thermal tolerance, riparian trees

Jeong, J., and G. McEwan. 2024. Wild salmon migration routes influence sea lice infestations: an agent-based model predicting farm-related infestations on juvenile salmon. *PLoS ONE* 19(8):e0309215.

<https://doi.org/10.1371/journal.pone.0309215>

Species: Sockeye salmon

Location: Discovery Islands, British Columbia

Other Keywords: Salmon farm impacts

Johnson, R. C., T. J. Code, K. D. Stenberg, J. H. Mclean, B. L. Jensen, M. S. Hoy, and D. A. Beauchamp. 2024. Change in growth and prey utilization for a native salmonid following invasion by an omnivorous minnow in an oligotrophic reservoir. *Hydrobiologia* 851(15):3767-3785. <https://doi.org/10.1007/s10750-024-05540-3>

Species: Redside shiner, rainbow trout

Location: Upper Skagit River, Washington

Other Keywords: Daphnia, food webs

Jones, B. L. H., R. O. Santos, W. R. James, S. V. Costa, A. J. Adams, R. E. Boucek, L. Coals, L. C. Cullen-Unsworth, S. Shephard, and J. S. Rehage. 2024. New directions for Indigenous and local knowledge research and application in fisheries science: lessons from a systematic review. *Fish and Fisheries* 25(4):647–671. <https://doi.org/10.1111/faf.12831>

Species: n/a

Location: n/a

Other Keywords: Fisheries management, qualitative/quantitative data integration

Kraskura, K., D. A. Patterson, and E. J. Eliason. 2024. A review of adult salmon maximum swim performance. *Canadian Journal of Fisheries and Aquatic Sciences*. 81(9):1174-1216.

<https://doi.org/10.1139/cjfas-2023-0246>

Species: Pacific and Atlantic salmon

Location: n/a

Other Keywords: Literature review, energetics

Kazmi, S. S. U. H, Q. Xu, M. Tayyab, P. Pastorino, D. Barcelò, Z. M. Yaseen, Z. H. Khan, and G. Li. 2024. Navigating the environmental dynamics, toxicity to aquatic organisms and human associated risks of an emerging tire wear contaminant 6PPD-quinone. *Environmental Pollution* 356:124313

<https://doi.org/10.1016/j.envpol.2024.124313>

Species: n/a  
Location: n/a  
Other Keywords: 6PPDQ toxicity, literature review

Kiffney, P.M., J. H. Anderson, M. C. Liermann, E. L. Jones, G. R. Pess, and F. Kretschmer. 2024. Population recovery of a migratory anadromous fish in a small forest stream following restoration of longitudinal connectivity. *Restoration Ecology* 32(7):e14209. <https://doi.org/10.1111/rec.14209>

Species: Coho salmon  
Location: Cedar River, Washington  
Other Keywords: Habitat connectivity, non-supplemented reestablishment

Lamb, J. J., B. P. Sandford, S. G. Smith, and G. A. Axel. 2024. Comparing standard- and reduced-size passive integrated transponder (PIT) tags for monitoring juvenile wild spring Chinook salmon. *Transactions of the American Fisheries Society* 153(4):505-521. <https://doi.org/10.1002/tafs.10472>

Species: Chinook salmon  
Location: Valley Creek, Idaho  
Other Keywords: Migration monitoring

Lance, M. J., T. D. Ritter, A. V. Zale, G. G. Grisak, J. A. Mullen, S. J. Walsh, K. C. Heim, and R. Al-Chokhachy. 2024. Spatial and temporal variability of movements among sympatric salmonids in an unfragmented inland watershed. *Transactions of the American Fisheries Society* 153(5):611-629. <https://doi.org/10.1002/tafs.10485>

Species: Brown, mountain whitefish, rainbow trout  
Location: Smith River watershed, Montana  
Other keywords: Movement patterns

Lane, R. F., K. L. Smalling, P. M. Bradley, J. B. Greer, S. E. Gordon, J. D. Hansen, D. W. Kolpin, A. R. Spanjer, and J. R. Masoner. 2024. Tire-derived contaminants 6PPD and 6PPD-Q: Analysis, sample handling, and reconnaissance of United States stream exposures. *Chemosphere* 363:142830. <https://doi.org/10.1016/j.chemosphere.2024.142830>

Species: n/a  
Location: United States  
Other Keywords: Stormwater runoff events

Langan, J. A., C. J. Cunningham, J. T. Watson, and S. McKinnell. 2024. Opening the black box: New insights into the role of temperature in the marine distributions of Pacific salmon. *Fish and Fisheries* 25(4):551-568. <https://doi.org/10.1111/faf.12825>

Species: Pacific salmon  
Location: North Pacific Ocean  
Other Keywords: Marine conditions, climate change impacts

Long, B. C., P. B. Moyle, M. J. Young, and P. K. Crain. 2024. Age, growth, and trophic ecology of the Redeye Bass, an introduced invader of California rivers. *Transactions of the American Fisheries Society* 153(5):559-575. <https://doi.org/10.1002/tafs.10477>

Species: Redeye bass

Location: California

Other Keywords: Piscivory, native/non-native species interactions

Lunzmann-Cooke, E. L., S. G. Hinch, A. L. Bass, S. D. Johnston, B. J. Hendriks, A. D. Porter, S. J. Cooke, and D. W. Welch. 2024. Recreational fisheries-related injuries and body size affect travel rate and post-release mortality in marine migrating coho salmon (*Oncorhynchus kisutch*). *Fisheries Research* 276:107062. <https://doi.org/10.1016/j.fishres.2024.107062>

Species: Coho salmon

Location: Strait of Juan de Fuca

Other Keywords: Catch-and-release impacts

Maze, D., J. Bond, and M. Mattsson. 2024. Modelling impacts to water quality in salmonid-bearing waterways following the introduction of Emerald Ash Borer in the Pacific Northwest, USA. *Biological Invasions* 26(8):2691-2705. <https://doi.org/10.1007/s10530-024-03340-3>

Species: Pacific salmon

Location: Johnson Creek, Columbia Slough

Other Keywords: Invasive species, water temperature, canopy loss

Matte, J.-M. O., D. J. Fraser, and J. W. A. Grant. 2024. Recruitment dynamics of juvenile salmonids: Comparisons among populations and with classic case studies. *Journal of Fish Biology* 105(1):10-22. <https://doi.org/10.1111/jfb.15748>

Species: Brook trout

Location: Cape Race, Canada

Other Keywords: Interpopulation variability

Moore J., M. J., R. L. Flitcroft, E. Tucker, K. M. Prussian, and S. M. Claeson. 2024. Same streams in a different forest? Investigations of forest harvest legacies and future trajectories across 30 years of stream habitat monitoring on the Tongass National Forest, Alaska. *PLoS ONE* 19(7):e0301723. <https://doi.org/10.1371/journal.pone.0301723>

Species: Pacific salmon

Location: Tongass National Forest, Alaska

Other Keywords: Forest harvest impacts

Moore M.E., M. J. Malick, A. C. Thomas, M. M. Klungle, and B. A. Berejikian. 2024. Harbor seal predation on migrating steelhead smolts entering marine waters. *Marine Ecology Progress Series* 743:139-157. <https://doi.org/10.3354/meps14639>

Species: Steelhead

Location: Puget Sound, Washington

Other Keywords: Prey consumption models

Ostberg, C. O., C. Pier, D. M. Chase, and R. W. Perry. 2024. Spatial and temporal surveys of salmon environmental DNA (eDNA) in a Seattle urban creek. *Northwest Science* 97(3):167-184.

<https://doi.org/10.3955/046.097.0302>

Species: Chinook and coastal salmon, coastal cutthroat trout

Location: Thornton Creek, Washington

Other Keywords: eDNA surveys

O'Sullivan, A. M., and K. I. Alex. 2024. Establishing present-day Sockeye Salmon (*Oncorhynchus nerka/sćwin*) spawning capacity in the highly impacted sq'awsitk<sup>w</sup> | Okanagan River to guide population conservation and restoration. *River Research and Applications* 40(7):1195-1204.

<https://doi.org/10.1002/rra.4293>

Species: Sockeye salmon

Location: sq'awsitk<sup>w</sup> | Okanagan River, British Columbia

Other Keywords: Gravel size, fish length

Parkes, M. W., S. J. Déry, P. N. Owens, E. L. Petticrew, and B. P. Booth. 2024. Towards an integrative understanding of British Columbia's Nechako watershed: connecting knowledge systems to strengthen understanding of climate change, watershed security, health and well-being. *PLOS Water* 3(7):e0000263. <https://doi.org/10.1371/journal.pwat.0000263>

<https://doi.org/10.1371/journal.pwat.0000263>

Species: Pacific salmon, sturgeon

Location: Nechako River, British Columbia

Other Keywords: Watershed management, knowledge exchanges

Peters, R., J. H. Anderson, J. J. Duda, J. R. Johnson, M. McHenry, G. Pess, S. Brenkman, M. Brenkman, M. Liermann, K. Denton, M. Beirne, P. Crain, and H. Connor. 2024. Challenges of implementing a multi-agency monitoring and adaptive management strategy for federally threatened Chinook salmon and steelhead trout during and after dam removal in the Elwha River. *Frontiers in Environmental Science* 12:1291265. <https://doi.org/10.3389/fenvs.2024.1291265>

Species: Chinook salmon, steelhead

Location: Elwha River, Washington

Other Keywords: Multi-agency ecological system management

Pope, A. C., T. J. Kock, R. W. Perry, K. M. Cogliati, K. G. O'Malley, C. A. Murphy, D. J. Hance, and S. D. Fielding. 2024. Using parentage-based tagging to estimate survival of Chinook salmon fry in a large storage reservoir. *Environmental Biology of Fishes* 107(7):735-754. <https://doi.org/10.1007/s10641-024-01564-9>

Species: Chinook salmon

Location: Western Oregon

Other Keywords: Sampling design, parameter estimates

Postma, H. G., Y. Wang, V. Berseth, N. Young, S. J. Cooke, and S. G. Hinch. 2024. Resilience and vulnerability: perspectives of key informants on the uncertain future of Pacific Salmon in British Columbia. *Regional Environmental Change* 24:125. <https://doi.org/10.1007/s10113-024-02287-4>

Species: Pacific salmon

Location: British Columbia

Other Keywords: Environmental management, species resilience

Pregler, K. C., A. Clemento, M. Grill, P. Adelizi, S. M. Carlson, and J. C. Garza. 2024. Reintroduction of spring-run Chinook salmon in the San Joaquin River: Evaluating genetic and phenotypic effects of captive breeding. *Conservation Science and Practice* 6(9):e13176. <https://doi.org/10.1111/csp2.13176>

Species: Chinook salmon

Location: San Joaquin River, California

Other Keywords: Adaptive genetic monitoring, inbreeding

Quinn, T. P., L. A. Wetzel, D. J. Hasselman, and K. Larsen. 2024. Differences in life history patterns of American shad (*Alosa sapidissima*) populations between ancestral, Atlantic coast, and non-native Pacific coast rivers of North America. *Canadian Journal of Fisheries and Aquatic Sciences* 81(7):862-878 <https://doi.org/10.1139/cjfas-2023-0286>

Species: American shad

Location: Atlantic Coast, Pacific Northwest

Other Keywords: Phenotypic plasticity, genetic adaptation

Riddell, B. E., I. Pearsall, and A. Rosenberger. 2024. A review of Pacific salmon hatcheries in British Columbia, Canada, and interactions with natural populations. *Fisheries* 49(7):303-318. <https://doi.org/10.1002/fsh.11091>

Species: Pacific salmon

Location: British Columbia

Other keywords: Hatchery effectiveness evaluation, program review

Robison, V., M. Jones, B. Erickson, and K. Biedenweg. 2024. Communication approaches and specialists that can improve fisheries management. *Fisheries* 49(7):319-326. <https://doi.org/10.1002/fsh.11090>

Species: n/a

Location: n/a

Other Keywords: Effective science communication, outreach

Rossi, G. J., J. R. Bellmore, J. B. Armstrong, C. Jeffres, S. M. Naman, S. M. Carlson, T. E. Grantham, M. J. Kaylor, S. White, J. Katz, and M. E. Power. 2024. Foodscapes for salmon and other mobile consumers in river networks. *Bioscience* 74(9):biae064. <https://doi.org/10.1093/biosci/biae064>.

Species: Various salmonids

Location: Pacific Coast of North America

Other Keywords: Food web phenology, bioenergetics



Scott, D. C., L. Chalifour, M. MacDuffee, J. K. Baum, T. Beacham, E. Rondeau, and S. G. Hinch. 2024. Variation in estuary use patterns of juvenile Chinook salmon in the Fraser River, BC. *Canadian Journal of Fisheries and Aquatic Sciences* 81(9):1264–1278. <https://doi.org/10.1139/cjfas-2024-0012>

Species: Chinook salmon

Location: Fraser River, British Columbia

Other Keywords: Outmigration timing, habitat use

Smith, J., B. Burke, D. Jackson, B. Wells, B. Beckman, W. Duguid, T. Quinn, and D. Huff. 2024. Marine biophysical conditions influence the vertical and horizontal distribution of sub-adult Chinook salmon in nearshore marine waters. *Marine Ecology Progress Series* 744:133–146.

<https://doi.org/10.3354/meps14672>

Species: Chinook salmon

Location: Washington coast

Other Keywords: Marine distribution, depth-specific sampling

Somov, A., E. V. Farley, E. M. Yasumiishi, and M. V. McPhee. 2024. Comparison of juvenile Pacific Salmon abundance, distribution, and body condition between Western and Eastern Bering Sea using spatiotemporal models. *Fisheries Research* 278:107086. <https://doi.org/10.1016/j.fishres.2024.107086>

Species: Pacific salmon

Location: Bering Sea

Other Keywords: Stock assessments, climate change impacts

Steele, C. A., A. Harris, M. Campbell, and D. A. Venditti. 2024. Inferring precocial Chinook salmon production through single-parentage assignments. *Transactions of the American Fisheries Society* 153(4):494-504. <https://doi.org/10.1002/tafs.10476>

Species: Chinook salmon

Location: Pahsimeroi River, Idaho

Other Keywords: Genetic stock identification

Van Doornik, D. M., P. Moran, E. B. Rondeau, K. M. Nichols, S. R. Narum, M. R. Campbell, A. J. Clemento, J. S. Hargrove, J. E. Hess, R. L. Horn, L. W. Seeb, J. J. Stephenson, and G. J. McKinney. 2024. A new, standardized international Pacific Rim baseline for genetic stock identification (GSI) of Chinook salmon. *North American Journal of Fisheries Management* 44(4):857-869. <https://doi.org/10.1002/nafm.11019>

Species: Chinook salmon

Location: Northern Pacific Coasts

Other Keywords: Single-nucleotide polymorphism markers

Van Vleet, N. P., D. M. Ward, N. A. Som, D. C. Barton, C. Anderson, and M. J. Henderson. 2024. It's about time: A multistate semicontinuous time mark–recapture model to evaluate seasonal survival and movement rates of juvenile Coho Salmon in a small coastal watershed. *Transactions of the American Fisheries Society* 153(5):541-558. <https://doi.org/10.1002/tafs.10471>

Species: Coho salmon  
Location: Northern California coast  
Other keywords: Emigration patterns, bias estimation

Van Wert, J. C., A. Ekström, M. J. H. Gilbert, B. J. Hendriks, S. J. Cooke, D. A. Patterson, S. G. Hinch, and E. J. Eliason. Coronary circulation enhances the aerobic performance of wild Pacific salmon. *Journal of Experimental Biology* 227(20):jeb247422. <https://doi.org/10.1242/jeb.247422>

Species: Coho salmon  
Location: n/a  
Other Keywords: Thermal tolerance, oxygen limitations, aerobic scope

Ward, R. H., T. P. Quinn, A. H. Dittman, and K. E. Yopak. 2024. The effects of rearing environment on organization of the olfactory system and brain of juvenile sockeye salmon, *Oncorhynchus nerka*. *Integrative and Comparative Biology* 64(1):92–106. <https://doi.org/10.1093/icb/icae002>

Species: Sockeye salmon  
Location: n/a  
Other Keywords: Hatchery rearing effects, nervous system development

Willmes, M., A. M. Sturrock, F. Cordoleani, S. Hugentobler, M. H. Meek, G. Whitman, K. Evans, E. P. Palkovacs, N. J. Stauffer-Olsen, and R. C. Johnson. 2024. Integrating otolith and genetic tools to reveal intraspecific biodiversity in a highly impacted salmon population. *Journal of Fish Biology* 105(2):412–430. <https://doi.org/10.1111/jfb.15847>

Species: Chinook salmon  
Location: Yuba River, California  
Other Keywords: Hydroclimatic conditions, population viability

Wohner, P. J., A. Duarte, J. T. Peterson. 2024. An integrated analysis for estimation of survival, growth, and movement of unmarked juvenile anadromous fish. *Ecological Modelling* 495:110780. <https://doi.org/10.1016/j.ecolmodel.2024.110780>

Species: Chinook salmon  
Location: Central Valley, California  
Other Keywords: Adaptive management, salmon demographics

Xie, Y., R. L. Hornsby, W. H. Hanot, M. Bartel-Sawatzky, and J. L. Nelitz. 2024. Identifying fish and estimating abundance and swim velocities of migrating Pacific salmon using Adaptive Resolution Imaging Sonar in mobile surveys. *ICES Journal of Marine Science* 81(7):1295–1306. <https://doi.org/10.1093/icesjms/fsae088>

Species: Sockeye salmon, Pink salmon  
Location: Fraser River, British Columbia  
Other Keywords: Mobile acoustic surveys, adaptive resolution imaging sonar

Yang, S., and S. Kar. 2024. How safe are wild-caught salmon exposed to various industrial chemicals? First ever in silico models for salmon toxicity data gaps filling. *Journal of Hazardous Materials* 477:135401. <https://doi.org/10.1016/j.jhazmat.2024.135401>

Species: Pacific and Atlantic salmon

Location: n/a

Other Keywords: Computational toxicity models