

Quarterly Journal Article search: October-December 2024
Columbia Basin Fish & Wildlife Library

Akbarzadeh, A., T. J. Ming, A. D. Schulze, K. H. Kaukinen, S. Li, O. P. Günther, A. L. S. Houde, and K. M. Miller. 2024. Developing molecular classifiers to detect environmental stressors, smolt stages and morbidity in coho salmon, *Oncorhynchus kisutch*. *Science of The Total Environment* 951:175626. <https://doi.org/10.1016/j.scitotenv.2024.175626>

Species: Coho salmon

Location: n/a (lab study)

Other Keywords: Salmon Fit-Chips, Random-Forest classifiers

Alexander, C. A., I. Alameddine, D. Machin, and K. Alex. 2024. A weight-of-evidence approach for understanding the recovery of Okanagan sockeye salmon. *Environmental Management* 74(6):1063-1085. <https://doi.org/10.1007/s00267-024-02031-y>

Species: Sockeye salmon

Location: Okanagan River, British Columbia

Other Keywords: Environmental management actions, fish passages

Anlauf-Dunn, K. J., B. J. Clemens, M. R. Falcy, and C. Zambory. 2024. Spatio-temporal distribution of adult Pacific lamprey *Entosphenus tridentatus* relative to habitat fragmentation. *River Research and Applications* 40(10):1940-1953. <https://doi.org/10.1002/rra.4344>

Species: Pacific lamprey

Location: Oregon Coastal Rivers

Other Keywords: Barrier removal, temperature effects

Arseneault-Deraps, C., R. Davis, M. E. C. MacLeod, E. Wilson, B. Aubrey, A. Goodenough, J. C. Madden, K. A. Adeli, C. Cvitanovic, N. Young, J. M. Hinderer, E. A. Nyboer, V. M. Nguyen, M. L. Piczak, and S. J. Cooke. 2024. Best practices for producing actionable knowledge to inform fisheries management and conservation. *Environmental Biology of Fishes* not yet in an issue. <https://doi.org/10.1007/s10641-024-01591-6>

Species: n/a

Location: n/a

Other Keywords: Fisheries management, research, conservation practices

Auerbach, D. S., and A. K. Fremier. 2024. Bias and variation in salmonid redd counting using remotely piloted vehicles. *River Research and Applications* 40(10):1925-1939. <https://doi.org/10.1002/rra.4343>

Species: Chinook salmon

Location: Wenatchee River, Washington

Other Keywords: Redd surveys, remote piloted vehicles

Barfuss, E. J., B. E. Brown, S. Sachdeva, A. B. Smith, F. P. Thrower, C. D. Waters, K. M. Nichols, and M. C. Hale. 2024. Using genetic data to determine origin for out-migrating smolt and returning adult steelhead trout (*Oncorhynchus mykiss*) in a Southeast Alaska drainage. *Ecology and Evolution* 14(10):e70472. <https://doi.org/10.1002/ece3.70472>

Species: Steelhead

Location: Sashin Creek, Alaska

Other Keywords: Life history determination, DMAS-qPCR

Beamer, E. M., C. A. Rice, J. Chamberlin, R. A. Henderson, D. P. Lomax, and C. M. Greene. 2024. Differential use of tidal delta, shoreline, and neritic habitats by natural- and hatchery-origin juvenile Chinook Salmon. *Transactions of the American Fisheries Society* 153(6):802-821.

<https://doi.org/10.1002/tafs.10488>

Species: Chinook salmon

Location: Skagit River Estuary, Washington

Other Keywords: Hatchery v. wild behavior, habitat use

Bean, N. J., J. M. Connor, J. A. Olson, S. J. Harvey, and W. P. Baker. 2024. Mechanical suppression of invasive Northern Pike in Box Canyon Reservoir, Washington. *North American Journal of Fisheries Management* 44(6): 1249-1267. <https://doi.org/10.1002/nafm.11044>

Species: Northern pike

Location: Box Canyon Reservoir, Washington

Other Keywords: Invasive species control

Beckley, B., A. Piccinini, and Z. T. Sherker. 2024. Independent testing of pit tags for fisheries research: a framework for standardization and performance evaluation. *Animal Biotelemetry* 12:38.

<http://dx.doi.org/10.1186/s40317-024-00394-x>

Species: Pacific salmon

Location: n/a

Other Keywords: PIT tag performance

Benjamin, J. R., J. B. Dunham, N. Scheidt, C. Rothenbuecher, and C. Sipher. 2024. Assisted migration of coho salmon: influences of passage and habitat availability on population dynamics. *River Research and Applications* 40(10):2009-2021. <https://doi.org/10.1002/rra.4355>

Species: Coho salmon

Location: n/a

Other Keywords: Fish passages, rearing habitats

Blasko, T. J., S. Larson, and M. P. Phelps. 2024. Rapid identification of invasive Brook Trout through CRISPR-based environmental DNA detection. *Transactions of the American Fisheries Society* 153(6):822-832. <https://doi.org/10.1002/tafs.10494>

Species: Brook trout

Location: Marsh Creek, Washington

Other Keywords: Invasive species, multi-species interactions

Bond, M. H., B. Chasco, and R. W. Zabel. 2024. Estimating the effects of smolt size and migration timing on salmon marine survival using a multivariate mixed-effect model. *Journal of Applied Ecology* 61(10): 2549-2561. <https://doi.org/10.1111/1365-2664.14760>

Species: Chinook salmon

Location: Snake River

Other Keywords: Carryover effects, Gaussian Markov random fields

Brandt, J. E., J. S. Wesner, G. T. Ruggione, T. D. Jardine, C. A. Eagles-Smith, G. E. Ruso, C. A. Stricker, K. A. Voss, and D. M. Walters. 2024. Continental-scale nutrient and contaminant delivery by Pacific Salmon. *Nature* 634(8035):875–882. <https://doi.org/10.1038/s41586-024-07980-2>

Species: Pacific salmon

Location: Pacific coast of North America

Other Keywords: Nutrient transport, contaminant transport

Breault, P. W., M. Wetklo, and J. M. Shrimpton. 2024. Evidence for extirpation of native kokanee in a large impounded watershed following introduction of a conspecific. *North American Journal of Fisheries Management* early view <https://doi.org/10.1002/nafm.11038>

Species: Kokanee salmon

Location: Williston Reservoir, British Columbia

Other Keywords: Hatchery v. wild stocks, genetic analysis

Bull, J. K., and S. M. Rogers. 2024. Restricted inclusion of wild broodstock at a large hatchery does not result in detectable genetic differentiation in a supplemented coho salmon (*Oncorhynchus kisutch*) population. *Canadian Journal of Fisheries and Aquatic Sciences* 81(11):1528-1546.

<https://doi.org/10.1139/cjfas-2023-0190>

Species: Coho salmon

Location: Nitinat River Hatchery, British Columbia

Other Keywords: ddRAD, Ryman–Laikre effect

Carey, K. C., M. Kent, C. B. Schreck, C. E. Couch, L. Whitman, and J. T. Peterson. 2024. Influence of stream temperature and human disturbance on prespawn mortality of Chinook salmon in the Willamette River basin. *North American Journal of Fisheries Management* 44(5):1147-1164.

<https://doi.org/10.1002/nafm.11035>

Species: Chinook salmon

Location: Willamette River

Other Keywords: Structured decision making, outplanting

Carim, K. J., G. Auringer, M. F. Docker, C. B. Renaud, B. J. Clemens, M. R. Blanchard, C. Parker, and M. K. Young. 2024. Species diversity in the new lamprey genus *Occidentis*, formerly classified as Western North American '*Lampetra*.' *PLoS ONE* 19(12):e0313911. <https://doi.org/10.1371/journal.pone.0313911>

Species: Lamprey

Location: Western North America

Other Keywords: Taxonomy, phylogenetic analysis

Christensen, K. A., A.-M. Flores, D. Sakhrani, C. A. Biagi, R. H. Devlin, B. J. Sutherland, R. E. Withler, E. B. Rondeau, and B. F. Koop. 2024. Revealing the evolutionary history and contemporary population structure of Pacific salmon in the Fraser River through genome resequencing. *G3: Genes|Genomes|Genetics* 14(10):jkae169. <https://doi.org/10.1093/g3journal/jkae169>

<https://doi.org/10.1093/g3journal/jkae169>

Species: Pacific salmon

Location: Fraser River, British Columbia

Other Keywords: Influences in genetics, glacial refugia

Clemens, B. J., and C. M. Wagner. 2024. Stream and river flows mediate adult lamprey spawning migrations: considerations for management. *River Research and Applications* 40(8):447-1468.

<https://doi.org/10.1002/rra.4322>

Species: Pacific lamprey, sea lamprey

Location: n/a

Other Keywords: Pheromones, flow management

Conner, M. M., K. Landom, T. E. Walsworth, R. A. Wilkison, D. Fonken, P. Thompson, C. Keleher, and R. Franklin. 2024. Detecting bias in abundance estimates of spawning fish from closed-capture models using remote and physical capture data. *North American Journal of Fisheries Management* 44(5):1025-1040. <https://doi.org/10.1002/nafm.11031>

Species: June sucker, Bull trout

Location: Utah Lake, Utah and Imnaha River, Oregon

Other Keywords: Mark-recapture abundance estimates

Conroy, J. W., G. Rourke, S. Knude, R. Dewhurst, D. Huot, and S. M. Vamosi. 2024. Studying Chinook salmon in northern river ecosystems through ecological methods and indigenous, Teslin Tlingit knowledge. *Communications Biology* 7:1657. <https://doi.org/10.1038/s42003-024-07300-4>

Species: Chinook salmon

Location: Southern Yukon, Canada

Other Keywords: Traditional ecological knowledge, riparian forests

Cooke, S. J., N. Young, S. Alexander, A. N. Kadykalo, A. J. Danylchuk, A. M. Muir, J. L. M. Hinderer, C. Cvitanovic, and V. M. Nguyen. 2024. Embracing implementation science to enhance fisheries and aquatic management and conservation. *Fisheries* 49(10):475-485. <https://doi.org/10.1002/fsh.11112>

Species: n/a

Location: n/a

Other Keywords: Evidence-based fisheries management

Daly, E. A., B. E. Chasco, C. A. Morgan, B. J. Burke, K. E. Osborne, and D. L. Draper. 2024. Implications of increased spatial and trophic overlap between juvenile Pacific salmon and Sablefish in the northern California Current. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 16(6):e10325. <https://doi.org/10.1002/mcf2.10325>

Species: Pacific salmon and sablefish

Location: Oregon and Washington coasts

Other keywords: Food competition, invasive species

Darkwah, G. K., F. Hossain, V. Tchervenski, G. Holtgrieve, D. Graves, C. Seaton, S. Minocha, P. Das, S. Khan, and S. Suresh. 2024. Reconstruction of the hydro-thermal behavior of regulated river networks of the Columbia River Basin using satellite remote sensing and data-driven techniques. *Earth's Future* 12(10):e2024EF004815. <https://doi.org/10.1029/2024EF004815>

Species: n/a

Location: Columbia River Basin

Other Keywords: Water temperature, Random Forest Regressor

David, A. T., and R. R. Stiling. 2024. Microhabitat conditions and habitat configuration influence juvenile salmonid use of off-channel features in the Cedar River, Washington. *North American Journal of Fisheries Management* 44(6):1456-1475. <https://doi.org/10.1002/nafm.11061>

Species: Pacific salmon

Location: Cedar River, Washington

Other Keywords: Juvenile salmonid densities

Davison, M, T. Copeland, and D. Scarnecchia. 2024. A problem for the ages: achieving reliable fish age information through quality management. *Fisheries Research* 278:107101.

<https://doi.org/10.1016/j.fishres.2024.107101>

Species: n/a
Location: n/a
Other Keywords: Quality management systems

Dichiera, A. M., M. L. Earhart, W. S. Bugg, C. J. Brauner, and P. M. Schulte. 2024. Too hot to handle: a meta-analytical review of the thermal tolerance and adaptive capacity of North American sturgeon. *Global Change Biology* 30(11):e17564. <https://doi.org/10.1111/gcb.17564>

Species: Sturgeon
Location: North America
Other Keywords: Thermal acclimation, phenotypic plasticity

Donkersloot, R., and A. Agli. 2024. Rural is not a proxy: accounting for Indigenous participation in Bristol Bay salmon fisheries. *Marine Policy* 168:106323. <https://doi.org/10.1016/j.marpol.2024.106323>

Species: Pacific salmon
Location: Bristol Bay, Alaska
Other Keywords: Native fishers, fisheries participation

Euclide, P. T., W. A. Larson, Y. Shi, K. Gruenthal, K. A. Christensen, J. Seeb, and L. Seeb. 2024. Conserved islands of divergence associated with adaptive variation in sockeye salmon are maintained by multiple mechanisms. *Molecular Ecology* 33(24):e17126. <https://doi.org/10.1111/mec.17126>

Species: Sockeye salmon
Location: Southwest Alaska
Other keywords: Whole genome re-sequencing

Feddern, M. L., R. Shaftel, E. R. Schoen, C. J. Cunningham, B. M. Connors, B.A. Staton, B. A., A. von Z. Liller, V. R. von Biela, and K. G. Howard. 2024. Body size and early marine conditions drive changes in Chinook salmon productivity across northern latitude ecosystems. *Global Change Biology*, 30(10): e17508. <https://doi.org/10.1111/gcb.17508>

Species: Chinook salmon
Location: Yukon-Kuskokwim region, Alaska
Other Keywords: Spawner-recruitment, Bayesian model

Feuerstein, C. A., R. P. Kovach, C. G. Kruse, M. E. Jaeger, D. A. Bell, Z. L. Robinson, and A. R. Whiteley. 2024. Genetic variation and hybridization determine the outcomes of conservation reintroductions. *Conservation Letters* 17(5):e13049. <https://doi.org/10.1111/conl.13049>

Species: Westslope cutthroat trout
Location: Missouri River Basin, Montana
Other Keywords: Heterozygosity, reintroductions

Fitzgerald, K. A., J. R. Bellmore, J. B. Fellman, M. L. H. Cheng, N. Boyles-Muehleck, C. E. Delbecq, and J. A. Falke. 2024. Juvenile coho salmon growth differences track biennial pink salmon spawning patterns. *Freshwater Biology* 69(11):1583-1595. <https://doi.org/10.1111/fwb.14328>

Species: Pink and coho salmon
Location: Southeast Alaska
Other Keywords: Marine-derived resources transfer, foraging

Frawley, S. E., M. P. Corsi, A. M. Dux, R. S. Hardy, and M. C. Quist. 2024. Food habits of nonnative Walleyes in Lake Pend Oreille, Idaho. *North American Journal of Fisheries Management* 44(6): 1294-1324. <https://doi.org/10.1002/nafm.11049>

Species: Walleye

Location: Lake Pend Oreille, Idaho

Other Keywords: Piscivory

Frawley, S. E., M. P. Corsi, A. M. Dux, R. S. Hardy, and M. C. Quist. 2024. Abiotic and biotic factors related to growth of nonnative Walleyes in Lake Pend Oreille, Idaho. *North American Journal of Fisheries Management* 44(6):1325-1341. <https://doi.org/10.1002/nafm.11056>

Species: Walleye

Location: Lake Pend Oreille, Idaho

Other Keywords: Growth rates, stable isotopes

Freshwater, C., and J. King. 2024. Seasonal variability in condition and spatial distribution of Chinook salmon: implications for ecosystem-based management. *Transactions of the American Fisheries Society* 153(6):859-877. <https://doi.org/10.1002/tafs.10495>

Species: Chinook salmon

Location: Vancouver Island, British Columbia

Other Keywords: Seasonal condition, marine life stages

Frommel, A. Y., E. Ghanizadeh-Kazerouni, A. Dichiera, B. P. V. Hunt, and C. J. Brauner. 2024. Effects of ocean warming with stable and fluctuating ocean acidification on seawater transition in Chinook salmon smolts. *Science of The Total Environment* 955:177185. <https://doi.org/10.1016/j.scitotenv.2024.177185>

Species: Chinook salmon

Location: British Columbia

Other Keywords: Water temperature, climate change impacts

Garcia, J. L., Y. A. Gaspar, A. Djekoundade, M. Dalere, A. A. Al-awadi, M. Allossogbe, T. C. Allossogbe, I. S. Aparicio, H. N. Buller, H. B. Cadelina, I. K. Camarillo, K. Case, A. E. Dean, S. M. Dean, J. F. DeJong, E. Delgado, R. J. Dupar, E. N. Ely, M. C. Ewing, D. N. Filli, S. E. Fleming, M. R. Garrett, B. P. Graves, M. M. Hafez, W. P. Hanson, A. D. Heller, A. J. Hernandez, E. K. Horton, E. G. Jancola, L. A. Keith, M. J. Knoke, J. D. Larkin, A. G. Marineau, F. Martin-Ortiz, O. L. Mayer, Y. M. Mendoza, P. V. Nalivayko, N. Nguyen, E. T. Nguyen, H. Nguyen, G. L. Ovenell, L. G. Paw, S. R. Raymond, J. J. Redzic, M. T. Rice, A. T. Rodrigo, J. M. Savell, B. R. Sheirbon, D. S. Torres, K. A. Warrick, E. S. Long, T. A. Nelson, and T. Delgado. 2024. Fishy business in Seattle: salmon mislabeling fraud in sushi restaurants vs grocery stores. *PLoS ONE* 19(11):e0311522. <https://doi.org/10.1371/journal.pone.0311522>

Species: Pacific salmon

Location: Seattle, Washington

Other Keywords: Salmon fraud

Healy, B.D., M. C. Runge, M. Beakes, C. C. Phillis, A. J. Jensen, and J. A. Israel. 2024. The value of information is context dependent: a demonstration of decision tools to address multispecies river temperature management under uncertainty. *Fisheries* 49(11):508-523.

<https://doi.org/10.1002/fsh.11174>

Species: Chinook salmon; Green sturgeon

Location: Sacramento River, California

Other Keywords: Multi-criteria decision analysis, value of information

Hemeon, K. M., D. P. Peterson, R. G. Twibell, B. M. Kennedy, and M. S. Piteo. 2024. Rates of PIT tag ingestion and gastric retention in three species of hatchery-reared salmonids and potential implications for postrelease monitoring. *North American Journal of Fisheries Management* 44(6):1489-1511.

<https://doi.org/10.1002/nafm.11050>

Species: Pacific salmon

Location: n/a (lab study)

Other keywords: Survival and growth

Khrustaleva, A. M. 2024. SNP polymorphisms are associated with environmental factors in sockeye salmon populations across the Northwest Pacific: Insights from redundancy analysis. *Genes* 15(11):1485.

<http://dx.doi.org/10.3390/genes15111485>

Species: Sockeye salmon

Location: Northwest Pacific Ocean

Other Keywords: Single nucleotide polymorphisms, climate change impacts

Kwan, G. T., T. Sanders, S. Huang, K. Kilaghbian, C. Sam, J. Wang, K. Weihrauch, R. W. Wilson, and N. A. Fangue. 2024. Impacts of ash-induced environmental alkalization on fish physiology, and their implications to wildfire-scarred watersheds. *Science of The Total Environment* 953:176040.

<https://doi.org/10.1016/j.scitotenv.2024.176040>

Species: Chinook salmon

Location: Putah Creek; Lake Berryessa, California

Other Keywords: Alkalinization, wildfires, climate change impacts

Lamarins, A., S. M. Carlson, and M. Buoro. 2024. Dispersal and gene flow in anadromous salmonids: a systematic review. *Ecology of Freshwater Fish* 33(4):e12811. <https://doi.org/10.1111/eff.12811>

Species: Atlantic salmon; Chinook salmon, Sea trout

Location: n/a

Other Keywords: Hatchery vs. wild fish behaviors

Le Gall, R., N. Barthelemy, A. J. Clemento, C. D. Columbus, E. Campbell, E. C. Correa, J. A. Rodzen, J. C. Garza, and D. E. Pearse. 2024. Development of a microhaplotype panel for steelhead/rainbow trout (*Oncorhynchus mykiss*) and application for phylogenetic analysis in California. *Conservation Genetics Resources* not yet in an issue. <https://doi.org/10.1007/s12686-024-01374-2>

Species: Steelhead; Rainbow trout

Location: California/Oregon

Other Keywords: Genotyping, phylogeography

Losee, J. P., A. Claiborne, R. Allan, T. Seamons, K. T. Sutton, and E. Witkop. 2024. Dorsal fin height is not an effective tool to distinguish hatchery and wild steelhead in the field. *North American Journal of Fisheries Management* 44(5):1073-1080. <https://doi.org/10.1002/nafm.11037>

Species: Steelhead

Location: n/a

Other Keywords: Fish identification

Matley, J. K., N. V. Klinard, F. R. A. Jaine, R. J. Lennox, N. Koopman, J. T. Reubens, R. G. Harcourt, S. J. Cooke, and C. Huveneers. 2024. Long-term effects of tagging fishes with electronic tracking devices. *Fish and Fisheries* 25(6):1009–1025. <https://doi.org/10.1111/faf.12861>

Species: Salmonids
Location: n/a
Other Keywords: Tagging effects

McLaren, J. S., R. W. Van Kirk, P. Budy, and S. Brothers. 2024. The reach-scale biogeomorphic effect of submerged macrophytes on trout habitat suitability. *Hydrobiologia* 851(21):5167-5180.

<https://doi.org/10.1007/s10750-024-05671-7>

Species: Trout
Location: Henry Fork, Snake River, Idaho
Other Keywords: Trout growth

Merz, J. E., R. A. Brown, K. Sellheim, and S. C. Zeug. 2024. Disruption of natural disturbance regime decouples habitat and life stage in a keystone species. *Ecosphere* 15(10):e70017.

<https://doi.org/10.1002/ecs2.70017>

Species: Chinook salmon
Location: Lower American River, California
Other Keywords: Anthropogenic disturbances, sediment budget

Meyer, K. A., L. V. Chiaramonte, B. High, J. W. Heckel, J. D. Thiessen, J. D. Cassinelli, C. A. Camacho, J. S. Messner, and B. A. Lipple. 2024. Exploitation and catch and release of salmonids in Idaho high mountain lakes. *North American Journal of Fisheries Management* 44(5):915-924.

<https://doi.org/10.1002/nafm.11013>

Species: Salmonids
Location: Idaho
Other Keywords: Angler surveys

Nelson, T. R., B. M. Lehman, N. J. Demetras, L. Takata, M. J. Young, F. Feyrer, and C. J. Michel. 2024. Anthropogenic and environmental risk factors of salmonid predation in a tidal freshwater delta. *Freshwater Biology* 69(10):1494–1510. <https://doi.org/10.1111/fwb.14321>

Species: Salmonids
Location: Sacramento–San Joaquin Delta, California
Other Keywords: Water diversions, predator assemblage

Ohms, H. A., E. P. Palkovacs, and D. A. Boughton. 2024. California steelhead populations were regionally buffered and individually resistant to a severe multi-year drought. *Canadian Journal of Fisheries and Aquatic Sciences* 81(11):1594-1605. <https://doi.org/10.1139/cjfas-2023-0198>

Species: Steelhead
Location: North and central coasts of California
Other keywords: Regional buffering and adaptation

Oyinlola, M. A., M. Khorsandi, N. B. Mayer, N. Butler, J. C. Van Wert, E. J. Eliason, R. Arsenault, C. J. Brauner, S. G. Hinch, and A. St-Hilaire. 2024. Thermal exposure risk in different life stages of Chinook salmon in the Nechako River system, British Columbia. *Climatic Change* 177:179.

<https://doi.org/10.1007/s10584-024-03833-z>

Species: Chinook salmon
Location: Nechako River, British Columbia
Other Keywords: Thermal exposure risk, climate change impacts

Polard, E. B., C. N. Kraemer, L. P. Gaffney, and F. Juanes. 2024. Life inside the tank: the impact of vateritic otoliths on hatchery-reared coho salmon. *Fisheries* 49(10):486-493.

<https://doi.org/10.1002/fsh.11170>

Species: Coho salmon

Location: Goldstream River, British Columbia

Other Keywords: Otolith formation

Polivka, C. M., M. A. Malone, S. A. Carran, and G. Dwyer. 2024. Understanding how restoration reduces competition for habitat by combining theory, observation, and experiment. *Ecological Applications* 34(8):e3033.

<https://doi.org/10.1002/eap.3033>

Species: Chinook salmon and steelhead

Location: Entiat River Watershed, Washington

Other Keywords: Habitat selection theory, resource selection functions, habitat restoration

Pracheil, B., V. Chalishazar, H. Jager, T. De Silva, W. McDavitt, D. McCoskey, K. Jackson, and S. Bockenbauer. 2024. How fisheries biologists can facilitate the clean Energy transition. *Fisheries* 49(11):524-535.

<https://doi.org/10.1002/fsh.11168>

Species: n/a

Location: Columbia River Basin

Other Keywords: Hydropower, fisheries resources

Rogozynski, N. P., I. G. Cadonic, M. Soto-Dávila, V. Wong-Benito, T. Rodriguez-Ramos, P. Craig, and B. Dixon. 2024. Diploid and triploid Chinook salmon (*Oncorhynchus tshawytscha*) exhibit differential immunological responses to acute thermal stress. *Journal of Fish Diseases* 47(11):e13998.

<https://doi.org/10.1111/jfd.13998>

Species: Chinook salmon

Location: n/a

Other Keywords: Heat stress, water temperature

Rundio, D. E., B. C. Spence, D. M. Chase, and C. O. Ostberg. 2024. Using environmental DNA to assess the response of steelhead/Rainbow Trout and Coastrange Sculpin populations to postfire debris flows in coastal streams of Big Sur, California. *North American Journal of Fisheries Management* 44(6): 1167-1182.

<https://doi.org/10.1002/nafm.11032>

Species: Steelhead, sculpin

Location: Big Sur, California

Other Keywords: Habitat disturbance, monitoring methods

Saygili, B., and A. W. Trites. 2024. Prevalence of Chinook salmon is higher for southern than for northern resident killer whales in summer hot-spot feeding areas. *PLoS ONE* 19(10):e0311388.

<https://doi.org/10.1371/journal.pone.0311388>

Species: Chinook salmon, killer whales

Location: Salish Sea and North Island Waters

Other Keywords: Prey availability, population density

Seals, T. J., M. Jones, I. A. Tattam, and J. S. Henderson. 2024. Differential relative catchability of wild- and hatchery-origin steelhead in the Deschutes River, Oregon. *North American Journal of Fisheries Management* 44(5):1041-1061.

<https://doi.org/10.1002/nafm.11034>

Species: Steelhead

Location: Deschutes River, Oregon
Other Keywords: Angler surveys

Smit, R. B., D. H. Goodman, J. Boyce, and N. A. Som. 2024. Effects of 2D hydrodynamic model resolution on habitat estimates for rearing Coho salmon in contrasting channel forms. *River Research and Applications* 40(10):1912-1924. <https://doi.org/10.1002/rra.4341>

Species: Coho salmon

Location: n/a

Other Keywords: Hydrodynamic modeling, fry habitats

Traylor, S. D., E. F. Granek., M. Duncan, and S. M. Brander. 2024. From the ocean to our kitchen table: anthropogenic particles in the edible tissue of U.S. West Coast seafood species. *Frontiers in Toxicology* 6:1469995. <https://doi.org/10.3389/ftox.2024.1469995>

Species: Black rockfish, lingcod, Chinook salmon, Pacific herring, Pacific lamprey, pink shrimp

Location: Oregon coast

Other keywords: Microplastics, microfiber pollution

Vosbigian, R., L. Wendling, T. Copeland, and M. R. Falcy. 2024. Cycles in adult steelhead length suggest interspecific competition in the North Pacific Ocean. *Canadian Journal of Fisheries and Aquatic Sciences* 81(12):1666-1675. <https://doi.org/10.1139/cjfas-2023-0374>

Species: Steelhead, pink salmon

Location: North Pacific Ocean

Other Keywords: Density dependence, ocean growth

Voss, N. S., J. L. McCormick, W. J. Lubenau, B. J. Bowersox, T. Copeland, and M. C. Quist. 2024. Retention of T-bar anchor tags by adult steelhead during their upstream migration. *North American Journal of Fisheries Management* 44(6):1385-1391. <https://doi.org/10.1002/nafm.11055>

Species: Steelhead

Location: Snake River, Washington

Other Keywords: Tag loss, tagging methods

Walters, A. W., N. G. Clancy, T. P. Archdeacon, S. Yu, J. S. Rogosch, and E. A. Rieger. 2024. Refuge identification as a climate adaptation strategy to promote fish persistence during drought. *Fish and Fisheries* 25(6):997–1008. <https://doi.org/10.1111/faf.12860>

Species: n/a

Location: n/a

Other Keywords: Drought impacts, climate change impacts

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Species: n/a

Location: n/a

Other Keywords: Fisheries management, terminology

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Species: Pacific and Atlantic salmon

Location: n/a

Other Keywords: Physiological ecology, population ecology

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Species: Northern pike

Location: Cook Inlet, Alaska

Other Keywords: Invasive species, estuarine corridors

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<https://doi.org/10.1002/mcf2.10318>

Species: Chinook salmon

Location: Oregon and Washington Coasts

Other Keywords: Columbia River plume, species distribution models