Quarterly Journal Article search: January-March 2025
Columbia Basin Fish & Wildlife Library

Baker, H. K., M. Obedzinski, T. E. Grantham, and S. M. Carlson. 2025. Variation in salmon migration phenology bolsters population stability but is threatened by drought. Ecology Letters 28(2):e70081. https://doi.org/10.1111/ele.70081

Species: Coho salmon
Location: California
Other Keywords: Intraspecific variation, diversity-stability relationship

Bergbusch, N. T., M. D. Saunders, K. Leonard, A. St-Hilaire, R. B. Gibson, T. D. Jardine, and S. C. Courtenay. 2025. A systematic scoping review of the collaborative governance of environmental and cultural flows. Environmental Reviews 33:1-28. https://doi.org/10.1139/er-2024-0015

Species: n/a
Location: n/a
Other Keywords: Water governance, indigenous sovereignty

Blatchford, B. 2025. Salmon propagation and settler colonialism in California: The United States Fish Commission, the McCloud River Hatchery, and the dispossession of the Winnemem Wintu. Settler Colonial Studies:1–22. https://doi.org/10.1080/2201473X.2025.2464330

Species: Chinook salmon
Location: McCloud River, California
Other Keywords: Acclimatization, indigenous resilience

Bozeman, B. B., B. M. Pracheil, and P. G. Matson. 2025. The environmental impact of hydropower: A systematic review of the ecological effects of sub-daily flow variability on riverine fish. Reviews in Fish Biology and Fisheries 35:45–76. https://doi.org/10.1007/s11160-024-09909-4

Species: Various
Location: n/a
Other Keywords: Flow regimes, regulated rivers

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: Northern Cordillera region, Alaska and British Columbia
Other Keywords: Subpopulation identification

Buckner, J. H., T. D. Davies, S. O. McAdam, E. B. Taylor, R. S. Waples, and M. L. Baskett. 2025. Long life spans can mitigate the genetic effects of strays from temporary conservation hatchery. programs. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-15. https://doi.org/10.1139/cjfas-2023-0355

Species: White sturgeon
Location: Nechako River, British Columbia
Other Keywords: Domestication, quantitative genetics model

Cathcart, C. N., J. A. Falke, J. Fox, R. Henszey, and K. Lininger. 2025. Multiscale processes drive formation of logjam habitats and use by juvenile Chinook salmon across a boreal stream network in Alaska. River Research and Applications 41(3):593-608. https://doi.org/10.1002/rra.4387

Species: Chinook salmon
Location: Chena River, Alaska
Other Keywords: Wood dynamics, instream modifications

Connors, B., G. T. Ruggerone, and J. R Irvine. 2025. Adapting management of Pacific salmon to a warming and more crowded ocean. ICES Journal of Marine Science 82(1):fsae135. https://doi.org/10.1093/icesjms/fsae135

Species: Pacific salmon
Location: North Pacific Ocean
Other Keywords: Competition at sea, international cooperation

Courtney, M. B., B. P. Gray, C. J. Schwanke, J. R. Spencer, and A. C. Seitz. 2025. Insights into the ocean migration, behavior, and ecology of steelhead kelts from Prince of Wales Island, Alaska. Animal Biotelemetry 13:8. https://doi.org/10.1186/s40317-025-00403-7

Species: Steelhead
Location: Prince of Wales Island, Alaska
Ohter Keywords: Telemetry, post-spawning migrations

Crozier, L. G., and J. E. Siegel. 2025. From threats to solutions: a literature review of climate adaptation in anadromous salmon and trout. Ecosphere 16(1):e70054. https://doi.org/10.1002/ecs2.70054

Species: Anadromous salmon and trout
Location: n/a
Other Keywords: Evolutionary responses, climate change impacts

Deeg, C. M., R. G. Saunders, C. Tam, K. Kaukinen, S. Li, A. L. Bass, and K. M. Miller. 2025. eDNA sampling systems for salmon ecosystem monitoring. Environmental DNA 7(1):e70059. https://doi.org/10.1002/edn3.70059

Species: Pacific salmon
Location: Vancouver Island, British Columbia
Other Keywords: Ecosystem monitoring, community composition

Dichiera, A. M., K. D. Hannan, G. T. Kwan, N. A. Fangue, P. M. Schulte, C. J. Brauner. 2025. Prior thermal acclimation gives white sturgeon a fin up dealing with low oxygen. Conservation Physiology 13(1): coae089. https://doi.org/10.1093/conphys/coae089

Species: White sturgeon
Location: n/a
Other Keywords: Water temperatures, hypoxia

Dunmall, K. M., B. Cabral, N. J. Mochnacz, and J. D. Reist. 2025. A method for long-term year-round water temperature monitoring in salmonid spawning habitats in remote dynamic streams. Arctic Science 11:1-9 https://doi.org/10.1139/as-2024-0021

Species: Dolly Varden
Location: Yukon Territory
Other Keywords: Thermal refugia, range expansion

Elmore, J. W., T. M. Wilcox, M. K. Young, S. M. Kopp, K. J. Carim, D. H. Mason, T. W. Franklin, and M. K. Schwartz. 2025. The riverscape on a chip: high-throughput qPCR enables basin-wide fishery assessments. Canadian Journal of Fisheries and Aquatic Sciences 82:1-14. https://doi.org/10.1139/cjfas-2024-0143

Species: Multiple
Location: Pacific Northwest
Other Keywords: Biochips, eDNA

Feist, B. E., R. Griffin, J. F. Samhouri, L. Riekkola, A. O. Shelton, Y. A. Chen, K. Somers, K. Andrews, O. R. Liu, and J. Ise. 2025. Mapping the value of commercial fishing and potential costs of offshore wind energy on the U.S: West Coast: Towards an assessment of resource use tradeoffs. PLoS ONE 20(3):e0315319. https://doi.org/10.1371/journal.pone.0315319

Species: n/a
Location: West Coast of North America
Other Keywords: Marine spatial planning

FitzGerald, A. M. 2025. Incorporating local information to predict thermal stress for diverse species. Canadian Journal of Fisheries and Aquatic Sciences 82:1-21. https://doi.org/10.1139/cjfas-2024-0189

Species: Coho salmon and steelhead
Location: California, Oregon, and Washington
Other Keywords: Phenology, climate change impacts

FiveCrows, J., A. DeCoteau, J. Hess, D. Hatch, and S. Narum. 2025. Sharing biological information across generations: Parallels between Indigenous Knowledge and genetics for fisheries recovery in the Columbia River Basin. Molecular Ecology Resources 25(2):e13815. https://doi.org/10.1111/1755-0998.13815

Species: Pacific salmonids
Location: Columbia River Basin
Other Keywords: Tribal sovereignty, recovery planning

Fuller, M., N. Detenbeck, P. Leinenbach, R. Labiosa, and D. Isaak. 2025. Scenario planning management actions to restore cold water stream habitat: comparing mechanistic and statistical modeling approaches. River Research and Applications 41(2):382-401. https://doi.org/10.1002/rra.4381

Species: n/a
Location: Middle Fork John Day, Oregon; Wind and South Fork Nooksack, Washington
Other Keywords: Thermal refugia, total maximum daily loads

Gaffney, L. P., M. Quindazzi, E. Polard, C. Kraemer, L. N. Walton, Z. A. Molder, W. L. Greentree, W. Duguid, N. Bohlender, and F. Juanes. 2025. Vateritic otoliths in hatchery-reared Strait of Georgia coho salmon: Variation among stocks, hatcheries, and life stages. Fisheries Research 283:107296. https://doi.org/10.1016/j.fishres.2025.107296

Species: Coho salmon
Location: Strait of Georgia
Other Keywords: Sagittal otoliths, hatchery v. wild stocks

Gil, M. A., C. J. Michel, S. Olivetti, V. Sridharan, and A. M. Hein. 2025. Integrating landscapes of fear and energy reveals the behavioural strategies that shape predator–prey interactions. Ecology Letters 28(2):e70068. https://doi.org/10.1111/ele.70068

Species: Pacific salmon
Location: n/a
Other Keywords: Animal movement decisions, risk avoidance, energy conservation

Hamilton, T. J., K. Cheung, J. Hudson, J. Szaszkiewicz, E. Ingraham, J. Krook, A. Johnson, B. Franczak, S. McAdam, and C. J. Brauner. 2025. Embryological incubation temperature modulates behaviour in larval white sturgeon (*Acispencer Transmontanus*). Journal of Thermal Biology 127:104069. https://doi.org/10.1016/j.jtherbio.2025.104069
Species: White sturgeon
Location: n/a
Other Keywords: Developmental alterations, locomotion

Harder, A. M., A. N. Reed, and F. E. Rowland. 2025. Evolutionary perspectives on thiamine supplementation of managed Pacific salmonid populations. Canadian Journal of Fisheries and Aquatic Sciences 82:1-10. https://doi.org/10.1139/cjfas-2024-0109
Species: Salmonids
Location: n/a
Other Keywords: Genetic diversity, genetic adaptation

Hargrove, J. S., T. A. Delomas, M. R. Campbell, P. J. Howell, A. C. Harris, and R. Wilkison. 2025. Development and application of a genetic baseline to inform bull trout (*Salvelinus confluentus*) passage and conservation in the Snake River. Conservation Genetics 26:33-47. https://doi.org/10.1007/s10592-024-01649-z
Species: Bull trout
Location: Snake River
Other Keywords: Upstream passage, genetic stock identification

Hill, G. M., and S. A. Kolmes. 2025. Best practices in scenario planning and mapping for salmon recovery in the Columbia River Basin. Environments 12(2):61. https://doi.org/10.3390/environments12020061
Species: Pacific salmon
Location: Columbia River Basin
Other Keywords: Stability landscape, backcasting

Hitt, L. G., M. Willmes, G. Whitman, M. C. Miner, C. Jeffres, R. C. Johnson, D. E. Cocherell, N. A. Fangue, and A. L. Rypel. 2025. Early evidence for establishment of a Chinook salmon population in a restored watershed. Ecosphere 16(3):e70207. https://doi.org/10.1002/ecs2.70207
Species: Chinook salmon
Location: Putah Creek, California
Other Keywords: Otoliths, flow rehabilitation

Huang, T., A. Salalila, A. Meyers, T. Fu, J. Martinez, H. Hou, and Z. D. Deng. 2025. Velocity- and pressure-based metrics for estimating strike injuries during fish passage through hydro turbines. Results in Engineering 25:104535. https://doi.org/10.1016/j.rineng.2025.104535
Species: Chinook salmon
Location: Columbia River, Washington
Other Keywords: Entrainment, biological characterization, fish passages

Jan, A., I. Arismendi, and G. Giannico. 2025. Double trouble for native species under climate change: habitat loss and increased environmental overlap with non-native species. Global Change Biology 31(1): e70040. https://doi.org/10.1111/gcb.70040
Species: Redband and bull trout
Location: n/a
Other Keywords: Biological invasions, ecological niche

Jeanson, A. L., A. N. Kadykalo, S. J. Cooke, and N. Young. 2025. Caught in the middle - inaction and overlap in governance and decision-making for Canada's imperiled wild steelhead. Marine Policy 173:106541. https://doi.org/10.1016/j.marpol.2024.106541
Species: Steelhead
Location: Thompson River, British Columbia
Other Keywords: Fisheries policy, regulatory overlap

Jetter, C. N., J. A. Crossman, J. G. McLellan, A. L. Miller, M. A. H. Webb, and E. G. Martins. 2025. Implications of space use for recovery of white sturgeon *Acipenser transmontanus* in a transboundary reach of the Upper Columbia River. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-17. https://doi.org/10.1139/cjfas-2024-0134
Species: White sturgeon
Location: Upper Columbia River
Other Keywords: Movement ecology, residence time

Johnson, P., J. Crossman, A. Miller, B. Nichols, J. McLellan, M. Howell, and A. Schreier. 2025. Conservation aquaculture of wild-origin offspring preserves genetic diversity in an endangered population of White Sturgeon. Conservation Genetics 26:335–346. https://doi.org/10.1007/s10592-024-01670-2
Species: White sturgeon
Location: Upper Columbia River
Other Keywords: Single nucleotide polymorphism genotypes, program evaluation

Johnson, C., P. Roni, T. De Boer, A. R. Murdoch, and T. P. Quinn. 2025. Factors affecting the survival of Chinook salmon (*Oncorhynchus tshawytscha*) embryos in upper and middle Columbia River watersheds, Washington State, USA. Canadian Journal of Fisheries and Aquatic Sciences 82: 1-21. https://doi.org/10.1139/cjfas-2024-0250
Species: Chinook salmon
Location: Middle Columbia River
Other Keywords: Egg-to-fry survival, fine sediment infiltration, substrate scour

Kaylor, M. J., L. R. Ciepiela, M. Feden, J. T. Lemanski, C. Justice, B. A. Staton, J. B. Armstrong, S. Kelly, S. R. Narum, I. A. Tattam, and S. M. White. 2025. Watershed-scale dispersal patterns of juvenile Chinook salmon (*Oncorhynchus tshawytscha*) revealed through genetic parentage analysis. Movement Ecology 13:6. https://doi.org/10.1186/s40462-024-00524-3
Species: Chinook salmon
Location: Middle Fork John Day River, Oregon
Other Keywords: Riverscape patterns, habitat complementation

Kiffney, P. M., B. L. Sanderson, K. B. Veggerby, J. J. Lamb, and G. A. Axel. 2025. Water temperature, prey concentration and salmonid density influence daily growth of wild juvenile salmonids in tributaries of the upper Salmon River, Idaho (USA). Freshwater Biology 70(1):e14380. https://doi.org/10.1111/fwb.14380

Species: Chinook salmon
Location: Upper Salmon River, Idaho
Other Keywords: Somatic growth, invertebrate prey concentration

Lewandoski, S. A., and T. O. Brenden. 2025. A modeling framework for quantifying spatial recruitment dynamics using abundance estimation and sibship analysis. Canadian Journal of Fisheries and Aquatic Sciences 82:1-14. https://doi.org/10.1139/cjfas-2024-0058

Species: n/a
Location: n/a
Other Keywords: Abundance estimation, sibship analysis, modeling frameworks

Lindley, E. D., K. M. Dunmall, and P. A. H. Westley. 2025. Assessing the role of incubation temperature as a barrier to successful establishment of coho salmon (*Oncorhynchus kisutch*) in a rapidly warming Arctic. Ecology and Evolution 15(1):e70797. https://doi.org/10.1002/ece3.70797

Location: Ship Creek, Alaska
Species: Coho salmon
Other keywords: Embryonic development, thermal tolerance

Luis, S., and G. Pasternack. 2025. Hydraulic microhabitats at a regulated river confluence influence Chinook salmon migratory routing during drought. Ecohydrology 18(2):e2727. https://doi.org/10.1002/eco.2727

Species: Chinook salmon
Location: Feather and Yuba Rivers, California
Other Keywords: Random forest model, river hydraulics

Mayer, K., D. L. Garrett, and A. H. Haukenes. 2025. Native and non-native species response to the colonization and subsequent suppression of northern pike *Esox lucius*. Journal of Fish Biology 106(2): 420-429. https://doi.org/10.1111/jfb.15968

Species: Northern pike
Location: Box Canyon Reservoir, Washington
Other Keywords: Biological invasions, homogenization

McMahon, J., S. A. May, P. S. Rand, K. B. Gorman, M. V. McPhee, and P A. H. Westley. 2025. Phenotypic sorting of pink salmon hatchery strays may alleviate adverse impacts of reduced variation in fitness-associated traits. Ecology and Evolution 15(1):e70781. https://doi.org/10.1002/ece3.70781

Species: Pink salmon
Location: Prince William Sound, Alaska
Other Keywords: Hatchery–wild interactions, homing

Middleton M. A., D. A. Larsen, C. P. Tatara, B. A. Berejikian, C. R. Pasley, J. T. Dickey, and P. Swanson. 2025. Age at release affects developmental physiology and sex-specific phenotypic diversity of hatchery steelhead trout (*Oncorhynchus mykiss*). PLoS ONE 20(2):e0315016. https://doi.org/10.1371/journal.pone.0315016

Species: Steelhead
Location: Methow River, Washington
Other Keywords: Smoltification, hatchery rearing

Milner, B. L., D. Braun, J. W. Moore, A. M. Martens, D. LoScerbo, and S. Naman. 2025. Seasonal dynamics of juvenile coho salmon (*Oncorhynchus kisutch*) in wetlands of the North Thompson River, British Columbia. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-19. https://doi.org/10.1139/cjfas-2024-0177

Species: Coho salmon
Location: North Thompson River, British Columbia
Other Keywords: Habitat mosaics, connectivity

Obley, M. B., R. H. Milston-Clements, J. A. Krajcik, and M. S. Blouin. 2025. The effect of structural enrichment and increased water flow on the opportunity for domestication selection in hatchery-reared steelhead (*Oncorhynchus mykiss*). Canadian Journal of Fisheries and Aquatic Sciences. 82:1-13. https://doi.org/10.1139/cjfas-2024-0141

Species: Steelhead
Location: Siletz River, Oregon
Other Keywords: Relative reproductive success

Ohlberger, J., D. E. Schindler, and B. A. Staton. 2025. Accounting for salmon body size declines in fishery management can reduce conservation risks. Fish and Fisheries 26(1):113-130. https://doi.org/10.1111/faf.12869

Species: Pacific salmon
Location: n/a
Other Keywords: Reproductive output, demographic trends

Oyinlola, M. A., M. Khorsandi, R. Penman, M. L. Earhart, R. Arsenault, S. McAdam, C. J. Brauner, and A. St-Hilaire. 2025. Assessing the impact of climate change and a water management programme on white sturgeon physiology in the Nechako River, British Columbia. Conservation Physiology 13(1):coaf014. https://doi.org/10.1093/conphys/coaf014

Species: White sturgeon
Location: Nechako River, British Columbia
Other Keywords: Hydrothermal impact

Ouellet, V., A. H. Fullerton, M. Kaylor, S. Naman, R. Bellmore, J. Rosenfeld, G. Rossi, S. White, S. Rhoades, D. A. Beauchamp, M. Liermann, P. Kiffney, and B. Sanderson. 2025. Food for fish: challenges and opportunities for quantifying foodscapes in river networks. WIREs Water 12(1):e1752. https://doi.org/10.1002/wat2.1752

Species: Salmonids
Location: n/a
Other Keywords: Food webs, food availability

Paris, J. C., C. V. Baxter, J. R. Bellmore, and J. R. Benjamin. 2025. Food-web dynamics of a floodplain mosaic overshadow the effects of engineered logjams for Pacific salmon and Steelhead. Ecological Applications 35(1):e3076. https://doi.org/10.1002/eap.3076

Species: Pacific salmon and steelhead
Location: Methow River, Washington
Other Keywords: Habitat manipulation, secondary production

Peirson, W. L., and J. H. Harris. 2025. Potential for tube fishways to pass salmon upstream over high dams. Journal of Hydro-Environment Research 58:36-49. https://doi.org/10.1016/j.jher.2024.12.001

Species: Pacific salmonids
Location: n/a
Other Keywords: Migration, fishways

Pope, A. C., R. W. Perry, D. J. Hance, and R. A. Buchanan. 2025. Survival, travel time, and use of migration routes by juvenile steelhead in a modified river estuary. Estuaries and Coasts 48:75 https://doi.org/10.1007/s12237-025-01493-5

Species: Steelhead
Location: Sacramento–San Joaquin River Delta, California
Other Keywords: Spatial distribution, migration survival

Rodrigues, I. S., C. Hopkinson, L. Chasmer, R. J. MacDonald, and S. E. Bayley. 2025. Warmer air temperatures predicted to result in wetland drying in the upper Columbia River Valley, British Columbia, Canada. Science of The Total Environment 959:178261. https://doi.org/10.1016/j.scitotenv.2024.178261

Species: n/a
Location: Upper Columbia River, British Columbia
Other Keywords: Climate change, ecohydrology

Roni, P., S. Burgess, K. Ross, C. Clark, J. Kvistad, M. Krall, R. Camp, A. Arams, and M. J. Camp. 2025. Evaluation of floodplain restoration projects in the interior Columbia River basin using a combination of remote sensing and field data. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-16. https://doi.org/10.1139/cjfas-2023-0337

Species: Various salmonids
Location: Columbia River Basin
Other Keywords: Habitat restoration effects

Selinger, S. J., D. Montgomery, S. Wiseman, M. Hecker, L. Weber, M. Brinkmann, D. Janz, Acute cardiorespiratory effects of 6PPD-quinone on juvenile rainbow trout (*Oncorhynchus mykiss*) and arctic char (*Salvelinus alpinus*). Aquatic Toxicology 280:107288. https://doi.org/10.1016/j.aquatox.2025.107288

Species: Rainbow trout
Location: n/a
Other Keywords: 6PPD-quinone exposure, water contamination

Sepulveda, A. J., J. A. Gage, T. D. Counihan, and A. F. Prisciandaro. 2025. Can big data inform invasive dreissenid mussel risk assessments of habitat suitability? Hydrobiologia 852:1153–1164. https://doi.org/10.1007/s10750-023-05156-z

Species: Dreissenid mussels
Location: Columbia River Basin
Other Keywords: Invasive species, risk assessment

Staton, B. A., W. R. Bechtol, L. G. Coggins Jr., G. Decossas, and J. Esquible. 2025. In-season monitoring of harvest and effort from a large-scale subsistence salmon fishery in western Alaska. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-18. https://doi.org/10.1139/cjfas-2023-0369
Species: Pacific salmon
Location: Kuskokwim River, Alaska
Other Keywords: In-season management, harvest estimates

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 and Mahogany Creek, Idaho
Other Keywords: Foraging behavior, prey abundance

Timmins-Schiffman, E., J. Telish, C. Field, C. Monson, J. M. Guzmán, B. L. Nunn, G. Young, and K. Forsgren. 2025. An in-depth coho salmon (*Oncorhynchus kisutch*) ovarian follicle proteome reveals coordinated changes across diverse cellular processes during the transition from primary to secondary growth. Proteomics 25(5-6):e202400311. https://doi.org/10.1002/pmic.202400311
Species: Coho salmon
Location: n/a
Other Keywords: Teleost reproductive processes, follicle development

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 impacts, larval stage development

Wilson S. M., and S. J. Peacock. 2025. Freshwater life-cycle timing of Pacific salmon and steelhead (*Oncorhynchus spp.*) in Canada. Canadian Journal of Fisheries and Aquatic Sciences 82:1-17. https://doi.org/10.1139/cjfas-2024-0213
Species: Pacific salmon
Location: British Columbia and the Yukon
Other Keywords: Life-history timing

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: Forecasting models, population abundance

Wright, M. J., M. Hurson, K. A. Robinson, D. A. Patterson, and J. G. Venditti. 2025. A typology of potential hydraulic barriers to adult salmon migration in a bedrock river. Canadian Journal of Fisheries and Aquatic Sciences. 82:1-19. https://doi.org/10.1139/cjfas-2024-0100

Species: Pacific salmon
Location: Fraser River, British Columbia
Other Keywords: Ecohydraulics

Zoveidadianpour, Z., J. J. Alava, M. C. Drever, G. Schuerholz, C. Pierzchalski, T. Douglas, W. A. Heath, B. Juurlink, and L. Bendell. 2025. Microplastic distribution and composition in mudflat sediments and varnish clams (*Nuttallia obscurata*) at two estuaries of British Columbia, Canada: An assessment of potential anthropogenic sources. Marine Pollution Bulletin 211:117367. https://doi.org/10.1016/j.marpolbul.2024.117367

Species: Varnish clams
Location: Cowichan and K'ómoks estuaries, British Columbia
Other Keywords: Microplastic contamination, plastic pollution management