

## ASP Publications

### In Review:

### Manuscripts in press:

- Levi, T., G.V. Hilderbrand, M.D. Hocking, T.P. Quinn, K.S. White, M.S. Adams, J.B. Armstrong, A.P. Crupi, C.T. Darimont, W. Deacy, S.L. Gilbert, W.J. Ripple, Y. Shakeri, R.E. Wheat, and C.C. Wilmers. (In press.) Community ecology and conservation of bear-salmon ecosystems. *Frontiers in Ecology and Evolution*
- Lincoln, A.E., A.J. Wirsing, and T.P. Quinn. (In press.) Prevalence and patterns of scavenging by brown bears on salmon carcasses. *Canadian Journal of Zoology*
- Quinn, T.P., J.M. Helfield, C. Austin, R. Hovel, and A.G. Bunn. (In press.) A multi-decade experiment shows that fertilization by salmon carcasses enhanced tree growth in the riparian zone. *Ecology*
- Ro, H., J.H. Stern, A.J. Wirsing, and T.P. Quinn. (In press.) Stable isotopes reveal variation in consumption of Pacific salmon by brown bears, despite ready access in small streams. *Journal of Fish and Wildlife Management*
- Seeb, L.W., G.J. McKinney, and J.E. Seeb. (In press.) Chromosomes and genes, spawned these fateful scenes: rapid adaptation 1 in an introduced fish. *Molecular Ecology* 27(20).

### 2020

- Arostegui, M.C. and T.P. Quinn. 2020. Ontogenetic and ecotypic variation in the coloration and morphology of rainbow trout (*Oncorhynchus mykiss*) in a stream–lake system. *Biological Journal of the Linnean Society*. 128 (3): 681-699. <https://doi.org/10.1093/biolinnean/blz156>
- Cline, T.J., D.E. Schindler, T.E. Walsworth, D.W. French, and P.J. Lisi. 2020. Low snowpack reduces thermal response diversity among streams across a landscape. *Limnology and Oceanography*. <https://doi.org/10.1002/lol2.10148>
- DeFilippo, L.D., D.E. Schindler, K. Shess, and K.L. Schaberg. 2020. A Bayesian hierarchical approach to integrating historical and in-season genetic data for real-time assessment of a mixed stock fishery. *Canadian Journal of Fisheries and Aquatic Sciences* 77(10). DOI: [10.1139/cjfas-2020-0092](https://doi.org/10.1139/cjfas-2020-0092)
- Lincoln, A.E., R. Hilborn, A.J. Wirsing, and T.P. Quinn. 2020. Managing salmon for wildlife: Do fisheries limit salmon consumption by bears in small Alaskan streams? *Ecological Applications* 00(00):e02061. [10.1002/eap.2061](https://doi.org/10.1002/eap.2061)
- Lincoln, A.E., A.J. Wirsing, and T.P. Quinn. 2020. Long –term use of non-invasive sampling methods: does successful sampling of brown bears by hair snares and camera traps change over time? *Wildlife Research* 47(6): 499-508. DOI: 10.1071/WR19156

- May, S.A., G.J. McKinney, R. Hilborn, L. Hauser, and K.A. Naish. 2020. Power of a dual-use SNP panel for pedigree reconstruction and population assignment. *Ecology and Evolution* 10: 9522– 9531. <https://doi.org/10.1002/ece3.6645>
- McKinney, G.J., C.E. Pascal, W.D. Templin, S.E. Gilk-Baumer, T.H. Dann, L.W. Seeb and J.E. Seeb. 2020. Dense SNP Panels resolve closely related Chinook salmon populations. *Canadian Journal of Fisheries and Aquatic Sciences* 77(3). <https://doi.org/10.1139/cjfas-2019-0067>
- McKinney, G.J., M.V. McPhee, C.E. Pascal, J.E. Seeb, and L.W. Seeb. 2020. Network analysis of linkage disequilibrium reveals genome architecture in chum salmon. *G3: Genes, Genomes, Genetics*. 10(5): 1553-1561. <https://doi.org/10.1534/g3.119.400972>
- Pitman, K.J., J.W. Moore, M.R. Sloat, A.H. Beaudreau, A.L. Bidlack, R.E. Brenner, E.W. Hood, G.R. Pess, N.J. Mantua, A.M. Milner, V. Radić, G.H. Reeves, D.E. Schindler, D.C. Whited. 2020. Glacier Retreat and Pacific Salmon. *BioScience* 70(3): 220–236. <https://doi.org/10.1093/biosci/biaa015>
- Walsworth, T.E., J.R. Baldock, C.E. Zimmerman, and D.E. Schindler. 2020. Interaction between watershed features and climate forcing affects habitat profitability for juvenile salmon. *Ecosphere* 11(10):e03266. [10.1002/ecs2.3266](https://doi.org/10.1002/ecs2.3266)
- Wirsing, A.J., T.P. Quinn, J.R. Adams, and L.P. Waits. 2020. Optimizing Selection of Brown Bear Hair for Non-invasive Genetic Analysis. *Wildlife Society Bulletin*. doi:[10.1002/wsb.1057](https://doi.org/10.1002/wsb.1057)
- Wold, K, A.J. Wirsing, and T.P. Quinn. 2020. Do brown bears (*Ursus arctos*) avoid barbed wires deployed to obtain hair samples? A videographic assessment. *Wildlife Biology*. 2020(1) DOI: [10.2981/wlb.00664](https://doi.org/10.2981/wlb.00664)

## 2019

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- Arostegui, M.C. and T.P. Quinn. 2019. Reliance on lakes by salmon, trout and charr (*Oncorhynchus*, *Salmo* and *Salvelinus*): An evaluation of spawning habitats, rearing strategies and trophic polymorphisms. *Fish and Fisheries*. 20: 775– 794. <https://doi.org/10.1111/faf.12377>
- Arostegui, M.C., T.P. Quinn, L.W. Seeb, J.E. Seeb, and G.J. McKinney. 2019. Retention of a chromosomal inversion from an anadromous ancestor provides the genetic basis for alternative freshwater ecotypes in rainbow trout. *Molecular Ecology*. 28: 1412– 1427. <https://doi.org/10.1111/mec.15037>
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- Brennan, S. R., D.P. Fernandez, J.M. Burns, S. Aswad, D.E. Schindler, and T.E. Cerling. 2019. Isotopes in teeth reveal a cryptic population of coastal freshwater seals. *Conservation Biology*. 33(6): 1415-1425. <https://doi.org/10.1111/cobi.13303>
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- Cunningham, C.J., T.A. Branch, T.H. Dann, M. Smith, J.E. Seeb, L.W. Seeb, and R. Hilborn. 2018. A General Model for Salmon Run Reconstruction That Accounts for Interception and Differences in Availability to Harvest. *Canadian Journal of Fisheries Aquatic Sciences*. 75: 439-451
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