

# Recent Brook Trout Publications & Data Releases

Brook Trout Workgroup Spring Meeting  
May 14<sup>th</sup>, 2024

# Recent Brook Trout Publications:

- Kessler, K., K.M. Rogers, C. Marsh, and N.P. Hitt. In press. Karst terrain promotes thermal resiliency in headwater streams. Proceedings of the West Virginia Academy of Science
- Hitt, N. P., Rogers, K. M., Kessler, K. G., Briggs, M. A., & Fair, J. H. (2023). Stabilising effects of karstic groundwater on stream fish communities. Ecology of Freshwater Fish, 00, 1–14.  
<https://doi.org/10.1111/eff.12705>
- White, S. L., Rash, J. M., & Kazyak, D. C. (2023). Is now the time? Review of genetic rescue as a conservation tool for brook trout. Ecology and Evolution, 13(5), e10142.
- White, S. L., Rash, J. M., & Kazyak, D. C. (2023). Is now the time? Review of genetic rescue as a conservation tool for brook trout. Ecology and Evolution, 13(5), e10142.

# Recent Brook Trout Publications: (cont.)

- Smith, R. J., Kazyak, D. C., Kulp, M. A., Lubinski, L. A., & Fitzpatrick, B. M. (2024) Genetic structure of restored Brook Trout populations in the Southern Appalachian Mountains indicates successful reintroductions. Conservation Genetics. <https://doi.org/10.1007/s10592-024-01620-y>
- Xinyi Lu, Yoichiro Kanno, George P. Valentine, Jacob M. Rash, Mevin B. Hooten (2024). Using multi-scale spatial models of dendritic ecosystems to infer abundance of a stream salmonid. <https://doi.org/10.1111/1365-2664.14665>
- Childress, E. S., Demarest, E. D., Wofford, J. E. B., Hitt, N. P., & Letcher, B. H. (2024). Strong variation in Brook Trout trends across geology, elevation, and stream size in Shenandoah National Park. Transactions of the American Fisheries Society, 153, 250–1. <https://doi.org/10.1002/tafs.10460>

# Recent Brook Trout Data Releases:

- Hitt, N.P. 2023. Brook trout abundance in streams across southern Appalachia from 1958-2021. U.S. Geological Survey data release
- Hitt, N.P. 2023, Conductivity and temperature data for selected springs in the Potomac River headwaters from 2021-2023: U.S. Geological Survey data release