

# River landscape evolution in eastern Alaska since ~5 Ma with critical mineral resource implications

*U.S. Geological Survey Alaska Science Center*



This ongoing project aims to understand rates and processes of fluvial landscape evolution in eastern Alaska by dating pristine late Cenozoic river terraces in the tectonically quiescent Yukon-Tanana upland and active northern Alaska Range. Our findings test fundamental concepts of river landscape response to climate and tectonics while also identifying critical mineral placer resources in these highly prospective regions.



**Visitor:** Adrian M. Bender

**Visit dates:** N/A- Unable to visit due to COVID-19 restrictions

I am a geomorphologist interested in river landscapes, active tectonics, and climatic change. I've published 4 studies with CCF data and collaboration since 2016.