

# Riverine landscape evolution in central Alaska 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 quantifying critical mineral resource-forming processes in these regions.



**Visitor:** Adrian M. Bender

**Visit dates:** June 20 - July 8, 2022

I study river landscape responses to active tectonics, climatic change, and human actions. I've published 4 studies with CCF data and collaboration since 2016 and look forward to visiting the lab again in 2022 to prepare 30 samples from the Yukon River basin in Alaska.