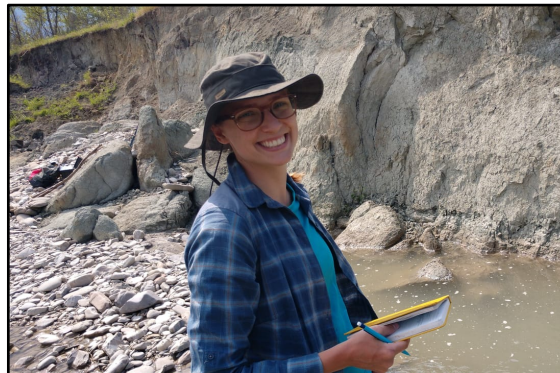


# Testing for climate-driven sedimentation in the building of basin stratigraphy

*Lehigh University*



Traditionally, cycles in the stratigraphic record are interpreted as the result of large-scale forces, like climate change. However, recent studies have shown that smaller-scale fluvial and hillslope processes can dominate stratigraphy. We are using cosmogenic nuclides to date and determine paleo-erosion rates for cyclical sediments exposed in the northern Apennines, Italy to determine whether the cycles are tied to Pleistocene glaciations.



**Visitor:** Katrina Gelwick

**Visit dates:** January 21-25, 2019

Katrina is a second year MS student at Lehigh University, studying with Dr. Frank Pazzaglia. This is her second visit to the UVM Cosmo Lab and this time it's with her own samples. The Maine native is happy to be back and is enjoying "real" winter.