

Origin of Carmichaels Formation on Terraces along the Youghiogheny River, PA

Lehigh University



This project seeks to explain the origin of the Carmichaels Formation in Western Pennsylvania. By dating river terraces, we hope to develop an explanation of how this unit was deposited atop terraces. We are expecting to find that the terraces have formed in the most recent glacial-interglacial cycle, with terrace ages increasing further downstream and at higher elevations, with ages ranging from 1.5 Ma to 500 ka. The dates of these terraces will also be used to further constrain Glacial Isostatic Adjustment in the area.



Visitor: Ethan Kurak

Visit dates: January 6-10, 2020

Ethan Kurak is a first year MS student studying Geomorphology at Lehigh University. He graduated from the University of Minnesota with a BS in Earth Science in 2018. He hopes to uncover the story of past landscape evolution using rivers and their geomorphic expression in the landscape.