

# Investigation of post-glacial passive margin disequilibrium within the Poultney River watershed

Castleton University



This project is an investigation into the disequilibrium that exists within the Poultney River watershed. A knickpoint, gorge and multiple terraces were formed by fluvial bedrock incision and could result from several possibilities. These hypothesis include: (1) passive margin tectonic uplift increasing slope and stream power, (2) glacio-isostatic rebound leading to uplift in the area, (3) or post glacial variables such as the base level drop of Lake Champlain. The study will help us gain a better understanding of Vermont's complicated environmental history



**Visitor:** Alden Woodard

**Visit dates:** June 13 - July 13 2018

I have recently graduated from Castleton University with a BS in Environmental Science and a Minor in Chemistry. I am from Vermont, and grew up in the small town of Waterville. I enjoy the outdoors and hope to find myself employed in a career that deepens my understanding of our scientific world.