The influence of different silvicultural practices and soil characteristics on herpetofaunal communities in northern New York
Alex Palladino, James Wholey, and Dr. Danielle Garneau

**Goals & Hypotheses**
- Evaluate the impact of silvicultural practices and soil characteristics on amphibian abundance and diversity.
- We hypothesized that areas with lower impact silvicultural practices and greater soil moisture and organic C would benefit herpetofauna.

**Study Area**
- Paul Smith's College VIC
- Godwin Woods

**Methods**

**Data Collection**

**Soil Processing (control vs. herp locations)**
- Herps more abundant in less disturbed sites
- Preference for log microhabitats
- Red-backed salamanders abound at Paul Smiths FERDA plots
- Riley Brook explains the presence of northern dusky and two-lined salamanders
- Sites with more moisture and % organic carbon typically had more herps
- Godwin Woods and the Paul Smiths VIC have unique herpetofaunal communities (CC=0)

**Results**

**Acknowledgements**
Thank you to Phil Von Bargen for access to Godwin Woods and his support in the field.

**Scan here to learn more about our project!**