Using LiDAR Data for Automated Archaeological Site Detection Near Igiugig, Alaska
What do archaeological sites in Alaska look like?
Field Work Can Be Dangerous
Manipulation in ArcGIS Pro
20 Meters Above Sea Level

5 Meters Above Sea Level
All sinks/depressions deeper than 1ft.
Project Timeline

- Acquire Data: Done
- Test Methodology: Ongoing, anticipated finish date of 10/18/2023
- Expand Methodology to larger Study Area: Complete before GEOG-596B Spring Starts 01/03/2024
- Create Tool: 01/03/2024 – 02/02/2024
- Complete Final Research Paper: Complete by end of GEOG-596B 03/13/2024
50th Anniversary Meeting
Alaska Anthropological Association
Anticipated Results