

Liv Wheeler, Montana State University, Bozeman, MT, for her project: *Tuff Love: The Relationship Between Yellowstone's Mount Jackson Rhyolite Series and Lava Creek Tuff*.



Liv Wheeler is a first year Master's student in Geology and Volcanology at Montana State University, working under the advisement of Dr. Madison Myers. Originally from Michigan, Liv grew up surrounded by the Great Lakes and developed a strong connection to the outdoors. She earned her B.S. in Environmental Geosciences, with a concentration in Geophysics and a minor in Digital Humanities, from Michigan State University in 2024.

At Montana State, Liv's research focuses on Yellowstone National Park, specifically investigating the relationships between effusive lava flows, newly identified explosive units, and large caldera-forming eruptions. Her project is centered on detailed field mapping of the Madison Junction area, where a newly recognized explosive intracaldera unit has been discovered, separating previously mapped volcanic units. Through a combination of field mapping, geochemical analyses, and isotopic studies, Liv's work aims to better understand these volcanic relationships, contributing to remapping efforts and advancing knowledge of Yellowstone's dynamic magmatic system.