

Juliet Liscomb, Montana State University, Bozeman, MT for her project:
*Investigating the Magmatic Evolution of the Elkhorn Mountain Volcanics:
Insights from Geochemistry and Geochronology*



Juliet Liscomb is a M.S. student in Earth Sciences at Montana State University, working with Dr. Madison Myers. Her thesis research focuses on the Elkhorn Mountain Volcanics, a poorly understood Late Cretaceous volcanic field in west-central Montana. Through detailed geologic mapping, whole-rock geochemistry, and high-precision geochronology, she is working to constrain the timing, stratigraphy, and geochemical evolution of these volcanic rocks. Her work contributes to a better understanding of magmatic processes and volcanic development during a critical period in the tectonic history of the northern Rocky Mountains.

Juliet grew up in Virginia and earned her B.S. in Geology from William & Mary in 2022, where her undergraduate research used field mapping, petrography, geochemistry, and U-Pb zircon dating to investigate the origin of a mafic-ultramafic complex. After graduation, she worked as a Resource Management Technician with the Southeast Arizona Group of National Park sites. Her experience combining fieldwork, geochemistry, and public lands stewardship helped inspire her decision to pursue graduate research in volcanic systems.