

Logan Erichsen, Kansas State University, Manhattan, Kansas, for his project: *Trace element & fluid inclusion constraints on Be-rich mineralization from Mt. Antero, CO (USA)*.

Logan Erichsen is a second-year master's student working with Dr. Matt Brueseke. His thesis research focuses on understanding the trace element geochemistry and pressure-temperature relationships of beryl, gem aquamarine, and quartz in granite-hosted pegmatite and hydrothermal veins on Mt. Antero, Colorado. He will be performing fieldwork to collect samples from the pegmatites and surrounding aplite dikes and hydrothermal veins which host the minerals.



With the help of the Lipman Student Research Grant, Logan can fund the laboratory costs of laser ablation-inductively coupled mass spectrometry which will be used for the trace element analyses. The trace elements from this study will also be utilized in the Titanium-in-Quartz geothermometer which will give an additional estimate for the formational temperature of quartz across the mineralized system.

Logan is from Ellsworth, Kansas and received his B.S. in Geoscience from Fort Hays State University in 2024. He is grateful for the support of the Howard and Jean Lipman Foundation and the Geologic Society of America for making his research possible.