

## Advancing Wyoming's Future: Critical Mineral Exploration in the Seminoe Mountains

Wyoming has long been a leader in powering the nation – from coal, uranium, and oil to wind and natural gas. Now, as America races to secure domestic sources of critical minerals like copper and nickel, which are essential for clean energy, battery storage, national defense, and advanced technology, Wyoming has a new opportunity to lead once again.

Relevant Gold's versatile time domain electromagnetic (VTEM) survey project will use cutting-edge helicopter geophysics to explore the Seminoe Mountain region for these vital resources. It's a cost-effective, non-invasive way to map what's below the surface without disturbing the land – and it could unlock the next generation of resource-based jobs and economic growth in our state.

### Why This Project Matters

We know Wyoming's Seminoe Mountains contain high-grade gold, silver, copper, nickel, and zinc because we have found these metals in rocks we have collected from the surface. What we don't yet know is how abundant they are. A VTEM survey will help us "see" below ground across a wide area to determine the best spots to target for exploration drilling as we seek to discover critical mineral deposits of strategic and economic value.

Estimated Project Cost: \$522,297

Matching Grant Requested: \$226,533 (43.4% of project cost)

Beneficiaries: University of Wyoming, Wyoming State Geological Survey

**Directly Supports Scientific Research & Public Geology Data:** the VTEM survey data we collect will be processed and shared with the University of Wyoming and the Wyoming State Geological Survey, providing valuable high-resolution subsurface information that will enhance academic research, geological mapping, and public understanding of Wyoming's mineral potential.

**Contribute to the Federal Government's Goal of Securing Domestic Sources of Critical Minerals:** Right now, the U.S. imports most of its critical minerals from foreign sources – many of them unstable or adversarial. This project supports our national effort to build a secure, domestic supply chain for key materials needed for national defense, manufacturing, and other strategic priorities.

**Advances Wyoming's Critical Mineral Strategy:** This VTEM project complements the state's broader investments in critical mineral development and clean energy leadership. It helps position Wyoming as a national hub for secure, domestic mineral supply chains while creating new economic opportunities for rural communities.