



Trevor Mills, P.G.
Senior Geologist / U.S. Operations Manager

PROFESSIONAL EXPERIENCE

EDUCATION

- University of Colorado at Boulder / 2011
 - Bachelor of Arts, Geology

EXPERIENCE SUMMARY

Trevor is a Registered Professional Geologist in the State of Idaho as well as a SME Registered Member. Trevor has significant experience in carbonatite hosted deposits and porphyry gold. Some key projects he has been involved in are the Mountain Pass, CA (REE) and Elk Creek, NE (Nb/Sc/Ti and REE) carbonatites and exploration experience in the Cripple Creek District located in Central Colorado.

Trevor also has extensive experience with management of early-stage grassroots exploration projects to advanced multi-drill programs; heavy mineral sands mineral processing; and metallurgical bulk sampling for ore processing characteristics. His project experience ranges from third-world project execution to domestic small/medium sized exploration and drill programs. Trevor establishes project planning, budgets, and implementation with follow on project execution. He also has experience in permitting drilling and exploration projects on United States Forest Service Land.

DEPOSIT TYPES

- Carbonatites
- Base Metals
- Porphyry Gold
- Epithermal Gold
- Vein Related Gold
- Limestone
- Cobalt
- REE

LANGUAGES

- English (fluent)
- Spanish (beginner)

SOFTWARE & INSTRUMENTATION

- Fusion (Datamine)
- MaxGeo (Datashed & LogChief)
- Leapfrog Geo (Seequent)
- Reflex EZ-Shot & Reflex EZ-Gyro
- Schlumberger Diver Software
- Geokon Logview Software
- Thermo Scientific & Olympus pXRF's
- Microsoft Office

CERTIFICATES

Standard First Aid- Level C CPR/AED
Surface MSHA 5000-23

PROFESSIONAL ASSOCIATIONS

- State of Idaho, Professional Geologist PGL-1555
- SME Registered Member



PROJECT

DETAILS

Gold (Vein-Related) Exploration

Colorado, USA

Project Geologist / Manager

2019 - Present

- Geologic investigation, exploration, and management of drilling operations in Western Colorado.
 - Co-managed soil sampling and ground magnetic survey.
 - Conducted geological mapping, rock sampling, and generation of property wide geological map.
 - Updating, development and implementation of MaxGeo database for clients projects.
 - Evaluated and updated QA/QC protocols for the client, ensuring industry standards are met for JORC reporting.

Gold (low-sulphidation epithermal) Exploration

Idaho, USA

Project Geologist / Manager

2018 - Present

- Geologic investigation and exploration of gold mineralization in Idaho's Blackbird Mining District.
 - Led and managed project team during geological mapping, prospecting and soil sampling to further define extent of mineralization on the property.
 - Evaluated drilling accessibility and target locations based on geological mapping and soil sampling results.
 - Led and managed permitting efforts through the United States Forest Service (USFS) to drill the project in 2020.
 - This included coordination with USFS on completion of Plan of Operations (POO), completion of supplemental technical reports (Soils, Hydrology, and Hydrogeology), Temporary Water Right Permit.
 - Managed 3rd party contractors to complete Biological and Cultural Baseline Technical Investigations and Reporting in support of the projects POO.

Limestone Exploration & Quarry Development

Montana/Michigan, USA

Project Geologist / Manager

2018 - Present

- Geologic investigation and exploration of high calcium limestones within Montana and Michigan.
 - Single drill rig management, core logging and processing (geological and geotechnical data capture).
- Supported client in active mining operations:
 - Drill and blast pattern alignment.
 - Blast pattern surveying using a total station and Trimble handheld data collector.
 - Blast hole sampling, prep, and analysis.



Uranium Exploration

Athabasca Basin, SK, Canada
Project Geologist / Manger
2019

- Geologic investigation and exploration of uranium in Saskatchewan's well-known Athabasca Basin.
 - Led and managed project team in the initial helicopter supported project evaluation via ground program completed by prospecting for basement hosted uranium.
 - Evaluated drilling accessibility and target locations based on geophysical surveys.

Cobalt (meta-sandstone hosted) Exploration

Idaho, USA
Project Geologist / Manager
2018 - 2019

- Geologic investigation within the Idaho Cobalt Belt.
- Managed and led a 6-person team to collect soil samples over 6 square miles.
- Remote field camp logistics and coordination.
- Project position and valuation reporting.
- Supported permitting staff in submission and completion of US National Forest permit application for 2019 drill program.
- Created, submitted, and evaluated RFP's for drilling and helicopter companies.

Copper (meta-sandstone hosted) Exploration

Alaska, USA
Project Geologist / Manager
2018

- Geologic investigation within the Brooks Range in northwestern Alaska.
- Project position and valuation reporting to 43-101 standards.
- Managed and co-led a 2-person geologic crew to complete a site visit on the property and investigate know areas of mineralization.

Niobium & Scandium Advanced Exploration & Development

Nebraska, USA
Site Manager / Geologist
2014 - 2018

- Drilling campaign design, management, and budget control.
- Management of field exploration and engineering data collection to support the completion of the company's feasibility study.
- Resource estimation and future ore control boundaries during planned mining operations.
- Metallurgical and ore processing bulk samplings.
- Analysis and classification of geochemical datasets from laboratory analytical results.
- Air permitting initiation and oversight of BAM, NO_x, SO_x, CO, and ozone units.

Rare Earth Element (pegmatite) Exploration

New Mexico, USA
Project Geologist / Field Program Manger
2013 - 2014

- Creation and leading grassroots exploration programs targeting specific areas for geochemical and remote sensing characteristics, frequency of occurrence, and mineralization control.
- Placer and stream sediment bulk sampling, with follow-on heavy mineral (HM) sands processing.
- Radiological analysis of NORM within pegmatite districts.



Rare Earth Element (pegmatite) Exploration

Central Province, Sri Lanka

Project Geologist / Field Program

Manager

2013

- Design and implantation of a fully integrated data management system.
- Field mapping of igneous intrusives within metamorphic PreCambrian core complex terrains.
- Development of specific calibrations for Au X-ray tube driven Delta pXRF's, with follow on evaluation of geochemical datasets.
- Geologic environment characterization through bulk sampling and auger drilling programs.

Rare Earth Element Exploration

Mountain Pass, CA USA

Geology Specialist

2012

- Lead geologic exploration and geochemical reconnaissance of the Mountain Pass District.
- Exploration drilling program oversight and coordination.
- QA/QC of collected datasets.
- Pit mapping and ore control for day-to-day mining operations.

Gold (porphyry) Exploration

Colorado, USA

Exploration Intern Geologist and

Contract Geologist

2008 - 2011

- Greenfield gold exploration for mine-life extensions through resource infill drilling.
- Drilling program coordination and oversight
- Daily and weekly drilling progress reports to senior management.
- Geologic field mapping of alkaline complexes outside the district.
- Lithologic logging of diamond drill and reverse circulation samples.