



STAFF PROFILE



Brad Ulry, B.Sc., P. Geo.
Chief Operating Officer

EDUCATION

Mount Royal College, Calgary, AB.

- Science Transfer Program Diploma / 2004

University of Alberta, Edmonton, AB.

- Bachelor of Science, Biological Sciences / 2006
- After Degree Geology Coursework, Earth & Environment Sciences / 2008

EXPERIENCE SUMMARY

Brad has been involved in all stages of exploration projects ranging from early stage to feasibility and mine site expansion programs. He has been the lead consultant on more than 18 exploration projects and is the Chief Operating Officer for a North American Geological Consulting Company that has been around for more than 25 years. He has managed all scales of projects, including technical studies; detailed geological ground programs; multi-drill programs (exploration, resource, and design drilling); large bulk and pilot plant sampling programs; and metallurgical representativity testing. He has successfully advanced projects in the remote arctic, environmentally sensitive habitats (farmland and environmental sensitive zones) and within populated communities. These past programs have provided experience in assessing project sensitivity, viability, potential and technical requirements, based off extensive on the ground experience. His commodity experience has focused on rare metals, lithium, nickel-PGE, precious metals and structurally complex metallurgical coal deposit. He has evaluated multiple lithium exploration projects, REE projects, and small gold and copper mining operations through the USA and Mexico. Brad's Lithium focused experience has developed through evaluating exploration and brownfields projects for exploration groups and a large industry producer in the expanding market.

DEPOSIT TYPES

- Li Pegmatite
- Rare Metals (Ta & Nb)
- REE
- Epithermal Ag-Au
- Metallurgical Coal
- Ni-Cu PGE
- Sediment-hosted Cu
- High-Ca Limestone
- IOCG
- Li Clay
- Porphyry Cu-Au-Mo
- Uranium

LANGUAGES

- English (fluent)

SOFTWARE & INSTRUMENTATION

- Leapfrog Geo (Seequent)
- ArcGIS
- Fusion (Datamine)
- PHINAR Software X-10 Geo
- GeoOrient and GeoCalc
- Microsoft Office and Project
- Adobe Creative Suite
- Corel Graphics Suite
- Downhole survey software (Reflex and FlexIT)
- GEOVIA (Gemcom) GEMS
- Basic SQL

CERTIFICATES

- Leapfrog Edge
- Leapfrog – Advanced Numeric Modelling
- GEMS Foundation
- Standard First Aid & CPR
- Wilderness Training

PROFESSIONAL ASSOCIATIONS

- APEGA



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PROFESSIONAL EXPERIENCE:

PROJECT	DETAILS
Lithium (pegmatite) Exploration <i>North Carolina, USA</i> Project Manager / QP 2017 - Present	<ul style="list-style-type: none">• Late stage Brownfield Exploration• Target and Manage drilling (up to 7 drill rigs, > 75,000 m), site geology• Organized and implemented Barge and Land Drilling (NQ to PQ diameter)• Active geological modelling and model validation• Managed metallurgical and mineralogical sample representativeness, presentations, and data facilitation with processing engineers• Implement and monitoring QA/QC programs• Support geotechnical, hydrogeological, and permitting design• Geological and Structural mapping of the shear zone hosted pegmatite
Multiple Lithium (pegmatite) Exploration and Studies <i>Eastern Canada</i> Modeller / Technical Advisor 2017-Present	<ul style="list-style-type: none">• Geological, structural and drill target modelling• Guide logging procedures and QA/QC programs• Review domains and support metallurgical designs• Support project high-level project technical requirements• Perform shareholder presentations and project site visits
Niobium & Scandium (Carbonatite-hosted) Advanced Exploration <i>Nebraska, USA</i> Project Manager / QP 2014 - Present	<ul style="list-style-type: none">• Supported Preliminary Economic Assessments through advanced Feasibility studies and mine planning test programs• Provide technical guidance on geology, geochemistry and geometallurgical• Oversee exploration permit regulations, plan, and implement exploration and QA/QC programs• Managed construction, drilling, geology and metallurgical programs<ul style="list-style-type: none">○ Multiple drills (> 23,000 m of core drilling)○ Deep (700 to 950 m) large diameter, PQ and HQ, drillholes○ Hydrology and testing well drillholes• Develop NI 43-101 compliant QA/QC program and geological database• Mineralogical classifications• Advance project through Preliminary Economic Assessment
REE, Niobium & Tantalum (Carbonatite-hosted) Advanced Exploration <i>Eastern Canada</i> Geological Modeller / Technical Advisor 2014 - Present	<ul style="list-style-type: none">• Geological modelling – Regional and deposit scale• Domain analysis and interpretation• Structural modelling• Exploration and mine design drill targeting support
Vein Hosted Gold <i>Southern B.C., Canada</i> Senior Geo / QP	<ul style="list-style-type: none">• Geological modelling and evaluation• Geological mapping• Targeting and drill planning



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2020 – Present

Orogenic gold

Timmins Ontario, Canada

Technical Manager / Senior Geo

2020 – Present

- Technical reporting
- Geological modelling and evaluation
- Targeting and drill planning
- Technical project support

Gold Exploration

South Eastern States, USA

Technical Advisor / QP

2018 – 2019

- Project evaluation and generation
- Setting up project teams and property negotiations

Iron Oxide Exploration

New York, USA

Project Manager / QP

2018 - 2019

- Advanced Brownfield Exploration
- Assist in project permitting
- Target, manage drilling and organize site geology
- Work closely with independent Resource geologists, geotechnical and mine engineers, and Hydrogeologists.
- Active geological modelling and model validation
- Managed metallurgical and mineralogical sample representativeness, presentations, and data facilitation with processing engineers
- Implement and monitor QA/QC programs

Multiple Metallurgical Coal Exploration and Development

Alberta, Canada

Project Manager / QP

2012 - Present

- Oversight for three metallurgical coal clients
- Permit, plan, and implement metallurgical coal exploration programs
- Manage road construction, drilling, and bulk sampling
- Completed RC and Sonic Coring Drill programs
- Develop and implement reclamation plans
- Geological mapping and generation of fold-thrust belt structural maps and models
- Geological modelling using Leapfrog Geo
- Developed NI 43-101 and JORC compliant QA/QC programs
- Generate technical (NI43-101 and JORC) reports

Copper (Sediment-hosted) Exploration

Coahuila, Mexico

Technical Manager / Senior Geo

2016 - 2017

- Technical oversight and high-level review
- Evaluate geological mapping and generate 3D structural model
- Database construction, modelling and presentations

Copper, Gold, Molybdenum Porphyry Exploration

Monclova, Mexico

Technical Manager / Senior Geo

2016 - 2017

- Technical oversight and high-level review
- Database construction, modelling and presentations
- Preliminary geological mapping

Lithium (pegmatite) Exploration

Manitoba, Canada

Senior Geo

2016

- Regional property evaluations and project implementation
- Database compilation and geological modelling
- Claim acquisition and reporting



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Lithium Clay Exploration

Nevada, USA

Project Manager / Geo

2016

- Geological mapping and stratigraphic sampling
- Evaluated and mapped multiple targets through Nevada

High-Calcium Limestone Drilling

British Columbia, Canada

Project Manager / Geo

2014

- Manage road construction, drilling, and sampling
- Completed core drilling for final mine plan (5,000 m drilling)

Nickel and Platinum Group Element Exploration

Eastern Canada

Project Manager / Geo

2012

- Remote field management of Helicopter-supported three-drill program
- Project manager for 60-person exploration camp, overseeing independent contractors
- Remote Arctic logistics
- Greenstone belt geological terrain

Tantalum & Niobium (Carbonatite-hosted) Advanced Exploration

Blue River, British Columbia, Canada

Project Manager / Geo

2008 - 2014

- Permit, plan, and implement exploration and QA/QC programs
- Organized geological mapping and interpretation for D4 structurally complex amphibolite facies metamorphic terrain
- Manage road construction, drilling, and bulk sampling
 - Multiple drills (> 68,000 m of core), HQ diameter
- Oversight for core, geotechnical, metallurgical, and hydrology drilling
- Developed a NI 43-101 compliant QA/QC program
- Project status and Assessment reporting
- Monitored regulatory requirements
- Advanced project exploration program through Preliminary Economic Assessment

Greenstone Belt Mapping

Northwest Territories, Canada

2008

- Geological Field mapping

Uranium Exploration

North Saskatchewan, Canada

Junior Geo

2007 - 2008

- Geological Field mapping and prospecting
- Organized field geophysical and geochemical surveys (MMI samples & Radon surveys)
- Remote field camp operations
- Assessment reporting and data interpretation

PROFESSIONAL DEVELOPMENT

DESCRIPTION	TYPE	YEAR
• Leapfrog Advanced Numaric Modelling	Sequent (Leapfrog Geo software)	2020-12
• Leapfrog Advanced Structural Modelling	Sequent (Leapfrog Geo software)	2020-02



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• Epithermal Ore Deposits, and Transition to the Porphyry Environment: Formation and Exploration	AME Short Course	2020-01
• Leapfrog Edge Resource Modelling	SRK & SEEQUENT Training Course	2019-02
• Geometallurgical and Rock Characterization	AME Short Course - MDRU	2018-01
• SRK Mining Seminar	Seminar	2014-01
• Structural Geology Analysis of Economic Mineral Deposits – SRK Consulting	AME Short Course	2013-01
• Giant Deposits of Metals Today and Tomorrow	AME Short Course	2012-01
• Exploration for Rare Metals - Instructor	Kamloops Exploration Group	2011-04
• REE Workshop – Tony Mariano Home Office	Mariano Office Workshop	2011-04
• Century Fusion/DH-Logger Admin Training	Century/Datamine	2010
• Carbonatite and Alkaline Rocks Workshop	University of Tübingen, Germany	2010
• GEMS Fundamentals	Gemcom Training Course	2009