



STAFF PROFILE



Nate Schmidt, B.Sc., P. Geo.
Senior Geologist

EDUCATION

- University of Alberta, Edmonton, Alberta / 2011
 - Bachelor of Science with a Specialization in Geology

EXPERIENCE SUMMARY

Nate has been involved in exploration projects ranging from early stage to advanced stage programs. He has planned and managed multi-drill programs and ground geological programs for a variety of commodities located both in remote and populated areas. Since 2021, Nate has primarily worked on a prospective carbonate replacement/porphyry Cu-Mo project in northwestern British Columbia, where he managed a remote helicopter supported drill program in 2022. Nate has significant experience producing geological models in Leapfrog Geo for projects at various stages, complexity and commodity type. He has authored technical reports and assessment reports from projects in several provinces and is experienced with urban environmental site assessments. His commodity experience has been focused on lithium pegmatites, porphyry Cu-Mo, carbonate replacement deposits (Pb-Zn-Cu-Ag), rare metals, cobalt, metallurgical coal and uranium, in North America and Africa.

DEPOSIT TYPES

- Metallurgical Coal
- Cobalt
- Diamond
- Frac Sand
- Limestone
- Lithium pegmatite
- REE
- Uranium
- Carbonate Replacement
- Porphyry Cu-Mo

LANGUAGES

- English (fluent)
- Spanish (intermediate)

SOFTWARE & INSTRUMENTATION

- ArcGIS
- Leapfrog Geo (Seequent)
- Reflex EZ-Shot & Reflex EZ-Gyro
- Microsoft Office

CERTIFICATES

- Standard First Aid Level CPR/AED
- MSHA
- Transportation of Dangerous Goods
- Ground Disturbance Level 2
- WHMIS 2015
- H2S Alive

PROFESSIONAL ASSOCIATIONS

- EGBC



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PROFESSIONAL EXPERIENCE:

PROJECT	DETAILS
Lithium Pegmatite Property <i>Northwest Territories, Canada</i> Senior Geologist/Manager 2022 - Present	<ul style="list-style-type: none">• Due diligence reporting of historical exploration on lithium bearing pegmatite Property in NWT, Canada• Geological modelling of pegmatite dykes using historically collected drillhole and channel sample data• Produced Exploration Target on project and provided recommendations for future exploration• Project research and management
Carbonate Replacement, Skarn and Porphyry Exploration <i>British Columbia, Canada</i> Senior Geologist/Manager 2021 - 2023	<ul style="list-style-type: none">• Manage helicopter supported 7,500m HQ diamond drill program in rugged terrain• Geological modelling of structurally complex target area with limited historical data• Training and mentorship of Junior Staff• Drill rig and logistics management• Manage extensive helicopter-supported prospecting and mapping program in extreme terrain• Discovery of multiple carbonate-replacement style massive sulphide pods associated with intrusive• Permitting, budgeting and drill program planning
Porphyry Cu-Mo - Mine Site Exploration <i>Arizona</i> Senior Geologist/Manager 2021-2022	<ul style="list-style-type: none">• Drill rig and logistical management of 3,500m PQ drill program• Implementation of QA/QC protocols• Geological and Geotechnical Core Logging• Budgeting, Reporting and Client management
Polymetallic Vein Exploration <i>British Columbia, Canada</i> Senior Geologist 2020 - 2021	<ul style="list-style-type: none">• Co-managing and training junior staff on extensive prospecting and mapping programs in extreme terrain• Discovery of multiple structurally controlled Au-Ag-Cu-Pb-Zn vein systems in under/non-explored mountainous regions• Assessment reporting and submission to British Columbian government
Multiple Metallurgical Coal Exploration <i>Alberta, Canada</i> Senior Geologist/Manager 2018 - 2021	<ul style="list-style-type: none">• Managed several multi-drill programs, up to 15,000 m, with air rotary, 6" diameter core and HQ diamond rigs• Permitting, budgeting and drill program planning• Coordinate logistics including road construction, drill moves and downhole survey crew• Implement core logging and QA/QC procedures for 6" diameter core metallurgical coal sampling• Technical reporting including co-authoring JORC Compliant Resource Statement• Historical drillhole database compilation



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	<ul style="list-style-type: none">• Produce structurally complex geological models in using Leapfrog Geo
Cobalt Exploration <i>Ontario, Canada</i> Project Geologist 2018	<ul style="list-style-type: none">• Co-manage 1250 m diamond drill program• Implement core logging protocols and train junior staff• Assessment reporting and submission to Ontario government
Cobalt Exploration <i>Idaho, United States</i> Project Geologist 2018	<ul style="list-style-type: none">• Co-manage extensive soil sampling and prospecting program of 2500 samples• Discovered mineralized boulder train while prospecting• Coordinate logistics and personnel of remote camp
Various Contaminated Sites <i>British Columbia, Canada</i> Environmental Consultant 2016 - 2018	<ul style="list-style-type: none">• Execute phase 2 and stage 2 environmental site assessments across British Columbia• Strong knowledge of BC Contaminated Sites Regulations• Manage contractors; auger drill, sonic drill, hydrovac, excavator, utility locator and traffic control• Supervise installation of groundwater monitoring wells, soil vapor probes and remedial soil excavations• Soil, groundwater, and soil vapor sampling• Hydrogeology testing of groundwater monitoring wells• Adherence to strict health and safety guidelines of COR certified company• Develop work programs and detailed cost estimates• Data compilation, QA/QC and technical report writing
Rare Earth Element (Carbonatite) Advanced Exploration <i>Eastern Canada</i> Exploration Geologist 2011 - 2016	<ul style="list-style-type: none">• Co-manage field aspects of two drill programs in remote camp of up to 20 people• Geological and geotechnical core logging, core sampling and adherence to QA/QC protocols• Develop cost estimates for drill programs• Assessment reporting and data interpretation
Lithium (pegmatite) Exploration <i>Eastern Canada</i> Exploration Geologist 2016	<ul style="list-style-type: none">• Geological mapping and prospecting of several properties• Plan and execute field programs in remote locations• Assessment reporting and data interpretation
Uranium Exploration <i>Niger, Africa</i> Exploration Geologist 2016	<ul style="list-style-type: none">• Execute radon gas survey in remote region of West Africa• Plan and organize logistics for field program• Reporting and data interpretation
Uranium Exploration <i>Saskatchewan, Canada</i> Exploration Geologist 2016	<ul style="list-style-type: none">• Geological mapping and prospecting of several properties• Organize field geophysical and geochemical surveys<ul style="list-style-type: none">◦ ground gravity, radon gas and radon in water• Plan and execute field programs in remote locations• Assessment reporting and data interpretation•



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Metallurgical Coal Exploration

Alberta, Canada

Junior Geologist

2012 - 2013

- Supervise RC drill rig and road construction crews
- Geologically log reverse circulation chips
- Geological mapping, prospecting, and coal sampling

Phosphate Exploration

Idaho, USA

Junior Geologist

2012

- Supervise drill program with one coring rig and one RC rig
 - Geological logging of core and reverse circulation chips
 - Perform downhole gamma logs
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