

## STAFF PROFILE

### **Patrik Schmidt, Diplom (M.Sc. equ.), GIT**

Exploration Geologist/Field Manager

#### **Education**

Diplom (M.Sc. equ.)

Eberhard Karls Universitaet, Tuebingen (Germany) / 2013

PhD candidate, University of Windsor / current

#### **Professional Associations**

Professional Geoscientists Ontario (PGO)

Ordre des Géologues du Québec (OGQ)



#### **Languages**

English, German, French (beginner)

#### **Software**

Microsoft Office Suite, ArcMap, IoGAS, ExpertGPS, Iolite, Adobe Illustrator

#### **Certificates**

Quebec: First Aid CNESST (A+)

Ontario Driver's License class G

#### **Industry Experience**

Patrik began his geology career with Dahrouge as a student geologist in 2008. Since then Patrik has gained experience in various commodities including, rare metals (tantalum, niobium), rare earth elements (REEs), lithium, graphite, phosphate, flourspar, titanium, cobalt, diamonds, frac-sand, as well as base and precious metals. Patrik's project experience ranges from grassroots through to advanced exploration programs including logistically complex helicopter-supported surface and drill programs. He is experienced with managing small field programs and co-managing large field programs. He is a skilled mineralogist and has a strong comprehension of the geological environments, and their mineral potential, that he explores on behalf of Dahrouge's clients.

## Project Details

*Copper, Zinc, Gold, Lithium – Canada*

2019

Exploration Geologist / Field Manager

- Execute and Co-manage all aspects of a surface program
  - Evaluate historic data and complete targeting
  - Prospecting and mapping, field assessment of historic showings
  - Evaluate and report results to project manager
- Discovered the Elsass Copper Prospect, as well as several new lithium and gold prospects
- Summarized and reported results to project manager

*Rare Earth Elements (various styles), Fluorspar – Canada*

2008 – Present

Student Geologist / Exploration Geologist / Field Manager

- Execute and Co-manage all aspects of surface and drill exploration programs
  - Geotechnical and geological logging
  - Prospecting and mapping
  - Plan, sample, and mapping of trenches
  - Plan and execute drill programs
  - Oversee drilling activity
  - Supervise sampling and logging
  - Hydrological and environmental monitoring
  - Evaluate and report results to project manager
- Manage remote field camp of up to 18 staff
- Initial research of deposit formation and identification of mineralogy using EMPA (WDS and EDX).
- Provided support to various field and office components of a Preliminary Economic Assessment and Pre-feasibility Study for the Ashram Rare Earth Project

*Niobium, Tantalum, Phosphate – Canada*

2008– Present

Student Geologist / Exploration Geologist / Field Manager

- Execute and Co-manage all aspects of surface and drill exploration programs
  - Geotechnical and geological logging
  - Prospecting and mapping
  - Plan, sample and mapping of trenches
  - Plan and execute drill programs
  - Oversee drilling activity
  - Supervise sampling and logging
  - Evaluate and report results to project manager
- Developed new exploration vectors for niobium-tantalum exploration within the complex
- Revised the geological model applied to the Eldor Carbonatite Complex

*Lithium (Pegmatite) – Canada* 2018

Exploration Geologist / Field Manager

- Co-managed all aspects of a surface exploration program
  - Targeting, field protocols, and data capture
- Evaluate and report results to project manager

*Cobalt, Silver, Nickel, Copper – Ontario, Canada* 2018

Exploration Geologist / Field Manager

- Co-managed all aspects of surface exploration programs
  - Bulk sampling for beneficiation program
  - Prospecting and mapping
- Summarized and reported results to project manager

*Niobium, Tantalum – British Columbia, Canada* 2018

Project Manager / Exploration Geologist

- Organized and executed surface exploration and drill program
  - Managed field crew, spotted drill holes
  - Geological logging
  - Prospecting and mapping
- Discovered a new carbonatite occurrence (CAP)

*Cobalt, Copper, Gold – British Columbia, Canada* 2017

Exploration Geologist

- Organized and executed surface exploration program
  - Sample heavy mineral concentrates for regional survey
  - Prospecting and mapping
- Summarized and reported results to project manager

*Frac-Sand – British Columbia, Canada* 2017

Exploration Geologist

- Executed surface prospecting program
  - Prospecting and mapping
- Summarized and reported results to field manager

*Diamonds – Northwest Territories, Canada* 2017

Field Manager / Exploration Geologist

- Executed and oversaw a prospecting and geophysical (magnetics) survey

*Graphite – Canada*

2017

Exploration Geologist / Field Manager

- Co-managed all aspects of surface exploration programs
  - Mini-bulk sampling for beneficiation program
  - Prospecting and mapping
- Summarized and reported results to project manager

*Copper, Nickel, Cobalt, PGE – Canada*

2016

Exploration Geologist / Field Manager

- Co-managed all aspects of a surface exploration program
  - Logistics, targeting, and data capture
- Summarized and reported results to project manager

*Tantalum & Niobium – British Columbia, Canada*

2008

Student Geologist

- Geotechnical and geological logging
- Prospecting and mapping
- Sample heavy mineral concentrates for regional survey
- Data capture, reporting to project geologist

*Industry related, Germany*

2013/2014

Drill helper

- Assist with drilling (DDC, RC)
- Installing and cementing wells
- Assist with geotechnical logging