



# STAFF PROFILE



**John Gorham, B.Sc., P.Geol.**  
Senior Geologist

## EDUCATION

- University of Calgary, Calgary, AB
  - Bachelor of Science with Distinction in Geology / 1976; APEGA Gold Medal; CSPG Gold Medal

## EXPERIENCE SUMMARY

John's experience includes gold, and base metal and industrial mineral exploration and drilling, as well as exploration for gem pegmatites and other museum quality mineral specimens. At Dahrouge, John has managed early to mid-stage exploration and drilling programs, both ground-based and helicopter-supported. These have included gold projects in Northwest Territories and Yukon; carbonatite-hosted rare metal and rare earth projects in British Columbia and Quebec; spodumene-bearing pegmatites in Manitoba, Quebec and the Northwest Territories, as well as brine- and clay-hosted lithium deposits in Nevada, and base-metals in Alaska. He has supervised three seasons of drilling to evaluate metallurgical coal in the Alberta foothills. In 2012, he was co-manager of a large, helicopter-supported Ni-PGE drill program in Cape Smith, Quebec. He has written numerous (43-101) technical reports for properties belonging to various clients in Alberta, Columbia, Saskatchewan, Argentina, Yukon and the Northwest Territories. John is now semi-retired.

## **DEPOSIT TYPES**

- REE
- Rare Metals (Ta & NB)
- Li Pegmatite
- Coal
- High Ca Limestone
- Epithermal Ag-Au
- Shear-hosted Au
- MVT base metals
- Ni-Cu PGE
- Uranium

## **LANGUAGES**

- English (fluent)
- French (spoken and written)
- Spanish (spoken and written)

## **SOFTWARE & INSTRUMENTATION**

- Reflex EZ-Shot & Reflex EZ-Gyro
- Expert GPS
- Adobe Pro
- Nitro Pro
- Microsoft Office
- Some familiarity with:
  - Access
  - Fusion(Datamine)
  - ArcGIS

## **CERTIFICATES**

- Standard First Aid- CPR/AED
- P.A.L
- Level 1 Radiation Safety
- Canada Safety Council ATV & UTV Rider Course

## **PROFESSIONAL ASSOCIATIONS**

- APEGA



## PROFESSIONAL EXPERIENCE:

<b>PROJECT</b>	<b>DETAILS</b>
<b>Metallurgical Coal Exploration &amp; Development</b> <i>Alberta, Canada</i> Project Manager/QP 2012 - 2017	<ul style="list-style-type: none"><li>• Manage road construction, drilling, and bulk sampling</li><li>• Completed RC and core drill program</li><li>• Develop and implement reclamation plans</li><li>• Generate NI 43-101 Technical Reports</li></ul>
<b>Lithium Pegmatite, Brine-hosted and Clay hosted Lithium Exploration</b> <i>Manitoba, Quebec, NWT, Nevada</i> Project Manager/Geologist 2016 - 2018	<ul style="list-style-type: none"><li>• Field exploration and drill layout</li><li>• Diamond drilling, sampling</li><li>• Reporting</li></ul>
<b>Epithermal (Porphyry-related) Gold Evaluation</b> <i>San Juan, Argentina</i> Geologist/QP 2011 - 2017	<ul style="list-style-type: none"><li>• Field evaluation of geology, trenching, drilling</li><li>• Drill core review and sampling</li><li>• NI 43-101 Technical Report</li></ul>
<b>Rare Earth Element (REE) Exploration</b> <i>Québec, Canada</i> Project Manager/Geologist 2015-2017	<ul style="list-style-type: none"><li>• Helicopter drill program – hydrologic and geotechnical assessment at Prefeasibility Level</li><li>• Field mapping</li></ul>
<b>Vein-hosted Lode Gold Exploration and Evaluation</b> <i>Nubia, Qala en Nahal, Sudan</i> Project Manager/Geologist 2014-2015	<ul style="list-style-type: none"><li>• Field evaluation of mine geology, field geology, trenching, drilling</li><li>• Drill core review and sampling</li><li>• Reporting</li></ul>
<b>Development Drilling, Limestone Quarries</b> <i>Montana, Nevada, USA</i> Project Manager/Geologist 2014	<ul style="list-style-type: none"><li>• Manage road construction, drilling, logging, and sampling</li><li>• Completed 2- and 3 rig coring program</li></ul>
<b>Vein-hosted Lode Gold Evaluation</b> <i>Bolivar/State, Columbia</i> Qualified Person 2012	<ul style="list-style-type: none"><li>• NI 43-101 Technical Report</li></ul>
<b>Nickel &amp; Platinum Group Element Exploration</b> <i>Québec, Canada</i> Project manager/Geologist 2012	<ul style="list-style-type: none"><li>• Remote field management of helicopter-supported multi-drill program</li><li>• Project manager for 60 person exploration camp, overseeing independent contractors</li><li>• Remote arctic logistics</li></ul>
<b>Tantalum &amp; Niobium Advanced Exploration Program</b> <i>British Columbia, Canada</i> Project Manager/Geologist	<ul style="list-style-type: none"><li>• Permit, plan, and implement early and mid-stage exploration programs</li><li>• Manage road construction, drilling, and bulk sampling (multiple drills, &gt; 30,000 m of core)</li></ul>



# STAFF PROFILE

2008-2012

- Oversight for core, geotechnical, metallurgical, and hydrology drilling
- Project status and Assessment reporting
- Community and First Nations relations, Exploration Agreements
- Monitored regulatory requirements
- Advance project exploration program through Preliminary Economic Assessment

## **Uranium Exploration**

*Saskatchewan, Canada*

Project manager/Geologist

2007-2008

- Helicopter supported geological field mapping and prospecting
- Ground claim staking
- Helicopter-supported Geophysical and geochemical surveys
- Assessment reporting

## **Gold Deposit Evaluation**

*Antioquia, Columbia*

Qualified Person

2007-2009

- Three separate deposits
- Field evaluation of geology, trenching, drilling
- drill core review and sampling
- NI 43-101 Technical Report

## **PROFESSIONAL DEVELOPMENT:**

DESCRIPTION	TYPE	YEAR
• Science fair judge	Volunteer Work	2018
• ATV; UTV training	Training Course	2017
• MME-SGG mineralogy workshop	Roundup Short Course	2016
• Quaternary imaging seminar	Training Course	2015
• Level 1 XRF certification	Training Course	2015
• Wilderness first aid	Training Course	2015
• MSHA mine safety training	Training Course	2014
• APPEGA Rock and Fossil Clinic	Volunteer Work	2012
• Rare Metal, Rare Earth Workshop	Training Course	2011
• Carbonatite short course	Training Course	2011
• Underground mining short course	Training Course	2010
• APEGGA Project management course	Training Course	2010