



STAFF PROFILE



Dustin Hayes, B.Sc., G.I.T.
Exploration Geologist

EDUCATION

- University of Alberta, Edmonton, Alberta / 2014
 - Bachelor of Science with Specialization in Geology

EXPERIENCE SUMMARY

Dustin is experienced with grassroots exploration through to quarry grade control in Canada and the USA. He has conducted ground geophysical surveys including magnetic, radiometric and gravity surveys, geological mapping, and geochemical sampling. Dustin has assisted with analysis of geophysical survey data results and the writing of project summary and technical reports. Dustin has managed small drill programs and been involved in drill management of multi-drill programs. He has had extensive exposure to all aspects of chip and core processing, including geological logging, geotechnical logging, sample selection and shipment preparation, specific gravity measurements, core photography and data QA/QC.

DEPOSIT TYPES

- Coal
- Cobalt
- Iron
- Limestone
- Lithium Brine
- Lithium Pegmatite
- Ni-Cu PGE
- Oil & Gas
- REE
- Uranium

LANGUAGES

- English (fluent)

SOFTWARE & INSTRUMENTATION

- Fusion (Datamine)
- ArcGIS
- ExpertGPS
- Geostrip
- Reflex EZ-Gyro & Gyro Sprint-IQ
- Topcon RTK-GPS
- Trimble GPS
- Microsoft Office

CERTIFICATES

- Standard First Aid- Level C CPR/AED
- MSHA PART 48 Certified
- NRCAN X-Ray Fluorescence Operator
- All-Terrain Vehicle Rider Course
- Pleasure Craft Operator Card
- Firearms License

PROFESSIONAL ASSOCIATIONS

- APEGA



PROFESSIONAL EXPERIENCE:

PROJECT	DETAILS
Nickel-Copper Platinum Group Element Exploration <i>Saskatchewan, Canada</i> Exploration Geologist / Manager 2020	<ul style="list-style-type: none">• Plan and manage small drill program• Complete daily updates and budget tracking• Downhole deviation surveys, collar location surveys, drill site marking, drill rig alignment• Geological and geotechnical core logging, core sampling, specific gravity measurements, core photography and core cutting.• Data compilation
Iron Ore Exploration <i>New York, USA</i> Exploration Geologist 2019	<ul style="list-style-type: none">• Historical core relogging• Field management of specific gravity, metallurgical and mineralogical sampling program• Data compilation and procedural memos
Metallurgical Coal Exploration <i>Alberta, Canada</i> Exploration Geologist 2019	<ul style="list-style-type: none">• Geological core logging, and geotechnical core logging and geotechnical sampling using SRK's procedures• Data compilation
Limestone Quarry Operations & Exploration <i>Michigan, USA</i> Exploration Geologist 2019	<ul style="list-style-type: none">• Grade-control at active quarry including blast hole surveying and sampling; pulping samples with ball and mill and analyzing with handheld XRF; and presentation of results and recommendations to engineer• Geological and geotechnical core logging, core sampling, core cutting, collar location surveys and data compilation<ul style="list-style-type: none">○ Multi-drill program
Lithium (Pegmatite) Exploration <i>North Carolina, USA</i> Exploration Geologist 2017-2018	<ul style="list-style-type: none">• Geological and geotechnical core logging, core sampling, specific gravity measurements and core photography• Drill site marking, drill rig alignments, downhole deviation surveys, collar location surveys and access planning• Assist with drill tracking and daily summary reports• Validate and import geotechnical logs into Fusion database
Lithium (Pegmatite) Exploration <i>Eastern, Canada</i> Core Shack Manager / Geologist 2018	<ul style="list-style-type: none">• Manage and conduct core processing, implement logging protocols and conduct QA/QC• Downhole deviation surveys, drill site marking, drill rig alignments, collar location surveys, drill site assessments and environmental site inspections• Daily reporting and drill-tracking



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Cobalt Exploration

Utah, USA

Junior Geologist

2017

- Geological mapping and geochemical rock, stream sediment and soil sampling

Lithium (Brine) Exploration

Nevada, USA

Field Manager / Junior Geologist

2017

- Field management of RC drilling program and implementation of QA/QC procedures
- Chip logging
- Ground water sampling

High-Calcium Limestone Exploration

B.C, Alberta, N.W.T, & Yukon, Canada

Student Geologist / Junior Geologist

2012-2017

- Prospecting, geological mapping and geochemical sampling
- Ground magnetic survey
- Project planning, map creation and supply acquisition
- Data compilation and geophysical survey data analysis
- Generate reports

Uranium Exploration

Northern Saskatchewan, Canada

Student Geologist / Junior Geologist

2012 & 2015

- Ground gravity and radiometric surveying
- Prospecting and geochemical sampling

Oil & Gas Production

B.C & Alberta, Canada

Wellsite Geologist

2014

- Manage personnel (directional drillers and samplers), sampling (washing, drying, bottling, labelling) and gas detector (cleaning and lag time calculations)
- Chip logging
- Interpretation of MWD geophysical data
- Strip-log creation

Rare Earth Element (Carbonatite) Exploration

Eastern, Canada

Student Geologist

2012

- Geological mapping, prospecting and geochemical sampling
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PROFESSIONAL DEVELOPMENT:

DESCRIPTION	TYPE	YEAR
<ul style="list-style-type: none">Geochemical Data	Roundup Short Course	2020
<ul style="list-style-type: none">Wellsite 101	Training Course	2014