



Alan Chalifoux, B.Sc., P.Geo
Senior Geologist

EDUCATION

- University of Alberta, Edmonton / 2007
 - Bachelor of Science in Geology

EXPERIENCE SUMMARY

Alan is a Motivated and passionate professional geologist with over 12 years of experience in exploration and mining in both metals and metallurgical coal. He has excellent communications skills with the ability to work with engineering, operations, plant and environmental teams, with interests in safety and implementation of cost savings initiatives.

Alan's recent highlights include the oversight of a coal recover program which saw plant-to-pit recovery increase by 20% while decreasing dilution. Alan has also managed a multi-drill and multi-discipline exploration program in sensitive territory, consisting of geotechnical, geochemical, hydrogeology, and coal quality studies being completed simultaneously with co-ordination between multiple drilling and consulting firms.

DEPOSIT TYPES

- Metallurgical Coal
- Gold
- Copper

LANGUAGES

- English (fluent)

SOFTWARE & INSTRUMENTATION

- Gemcom GEMS
- AutoCAD MAP 3D
- Minesight 3D
- Leapfrog Geo (Seequent)
- Microsoft Office
- Datashed

CERTIFICATES

- BC Mines Supervisor
- St. Johns Ambulance First Aid Level 1

PROFESSIONAL ASSOCIATIONS

- APEGA



PROFESSIONAL EXPERIENCE:

PROJECT	DETAILS
Metallurgical Coal Exploration <i>Sparwood, British Columbia, Canada</i> Resource Geologist/Site Supervisor 2019-2020	<ul style="list-style-type: none">• Completed two structural geology models utilizing Seequent's Leapfrog Geo.• Constructed 3D block models using Hexagon MineSight3D. Models included resource categorization and volumetrics reporting.• Responsible for planning future exploration drill programs with a strong focus on resource increased per meter drilled.• Responsible for site logistics, data management and QA/QC, and safety on-site.
Metallurgical Coal Exploration <i>Tumbler Ridge, British Columbia, Canada</i> Mine Geologist 2018-2019	<ul style="list-style-type: none">• Provided technical guidance to Mine Operations personnel and supervisors. Collaborated with the Engineering Team to implement mine plans.• Coordinated with the Quality Control Team to ensure a consistent quality of final product was provided.• Assisted with the coordination and implementation of the 2019 Exploration Program.
Multiple Metallurgical Coal Exploration <i>British Columbia, Canada</i> Drill/Exploration Geologist 2018	<ul style="list-style-type: none">• Provided direct supervision of contract drillers, including daily safety meetings, selecting coal sampling intervals, and ensuring compliance with environmental and safety policies.• Utilized LogChief software for geological logging of RC drill cuttings and drill core. Completed coal and geochemical sampling of core and RC chips.• Assisted with geotechnical logging of drill cores and installation of monitoring wells.• Responsible for field coordination for a Geotechnical, coal quality, and ARD drill program.• Oversaw exploration pad and trail construction, along with the subsequent reclamation.• Logged and sampled ARD drill core and completed the subsequent shipping logistics.• Lead weekly crew safety meetings, performed site orientations, collected time sheets, and managed all site-specific documentation.



Gold Exploration

British Columbia, Canada
Production/Mine Geologist
2014-2017

- Responsible for a drill rig including supervising the drillers, ensuring pads/sites were constructed properly, checking that all environmental and safety requirements were being followed, logging of drill core, and relevant data QA/QC.
- Utilized LogChief and Datashed for data management and Leapfrog for drill hole planning.
- Responsible for supervision and training of geological technicians, as well as training/mentoring of junior Geologists.
- Worked in junior startup operation, developing industry standards of practices for: NAG/PAG classification and management, grade control, blast hole/muck sampling, and daily reporting.
- Supervised and was responsible for providing training to the sampling technicians.

Metallurgical Coal Exploration

Southwest Alberta, Canada
Exploration Geologist
2013-2014

- Exploration activities related to pre-feasibility activities.
- Performed geotechnical core logging on PQ sized core, including: CMRR, point load testing, immersion testing, and sampling for laboratory testing.
- Assisted with site documentation regarding road/pad construction and reclamation.

Metallurgical Coal Exploration

Tumbler Ridge, British Columbia, Canada
Production/Exploration Geologist
2008-2013

- Progressively increased supervisory experience, at times supervising up to two technicians and one G.I.T., and numerous heavy equipment operators.
 - Directed the mining of a 5000-tonne coking sample from a new mining horizon.
 - Directed the ARD/ML program, from initial sampling, sample shipment and results analyses, waste placement standards, and compilation of the Annual ML/ARD report to MEM.
 - Surveyed coal seams, coal stockpiles and structural features utilizing Trimble R8.
 - Completed daily, weekly, and monthly production reporting, as well as monthly volume reconciliation utilizing GEMCOM GEMS/Minesight 3D software.
 - Implemented erosion and sediment control on reclaimed pads/trails.
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STAFF PROFILE

PROFESSIONAL DEVELOPMENT:

DESCRIPTION	TYPE	YEAR
• Effective Management Skills (Campeau Learning)	Training Course	2016
• Efficient Blasting Techniques (Blast Dynamics)	Training Course	YYYY
• Frontline supervisor training (DDI International)	Training Course	2009