

# Job Description

## Intermediate/Senior Geological Modeller

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### About the Position:

PMET Resources Inc. is a critical minerals exploration and development company focused on advancing its 100%-owned, district-scale Shaakichiuwaanaan Project located in the Eeyou Istchee James Bay region of Québec, Canada. The Shaakichiuwaanaan Project hosts the largest lithium pegmatite mineral reserve in the Americas and ranks among the 10 largest resources worldwide. It also includes a significant tantalum component. The site also hosts the world's largest pollucite-hosted cesium pegmatite mineral resource. The Shaakichiuwaanaan Project is well positioned to become a major North American hub for critical minerals.

The Intermediate/Senior Geological Modeller role offers the opportunity to work on one of the world's premier hard rock lithium, tantalum, and caesium projects. This position will play a key role in guiding and advancing the Company's geological and block modelling framework as the Project progresses toward anticipated production within the next four years. This role offers a unique opportunity to help establish and evolve geological modelling and reconciliation practices through the transition from advanced exploration and project development into future mining operations.

The successful candidate will work closely with internal technical teams, including geology, mining, studies, and environmental groups, as well as external consultants and Qualified Persons supporting the Project. Beside the primary focus on lithium, caesium, and tantalum mineralization, there is additional exposure to other commodities and exploration targets across the Company's broader property portfolio (e.g., Rb, Ga, Au, Cu).

### Key Responsibilities:

- Develop and maintain 3D geological and block models for mineralized domains and host rock units to support exploration, Mineral Resource Estimation, mine planning, and development activities.
- Interpret geological, structural, geochemical, and assay datasets to generate robust geological domains and wireframes/solids.
- Evaluate and refine alternative modelling approaches for various deposits and commodities, including model audits and sensitivity analyses.
- Support Mineral Resource Estimate updates and technical studies across multiple commodities, with a strong emphasis on lithium, caesium, and tantalum.
- Validate, manage, and maintain geological datasets and modelling databases to ensure data integrity and consistency.
- Work closely with mine engineering, geotechnical, metallurgy, and resource estimation teams to support integrated technical studies and operational planning.
- Participate in technical reviews and contribute to the continuous improvement of geological modelling workflows, standards, and best practices.



- Periodically support site-based activities and field programs, including direct interaction with field managers and logging geologists at camp.
- Support mine-to-model reconciliation and model validation initiatives as the Project advances toward production, including reconciliation workflows between geological models, grade control, and production data.
- Assist with the preparation of technical memoranda, internal reports, and relevant sections of technical disclosure documents related to geological and block models, mineral resources, and reserves.
- Actively promote a culture that aligns with PMET's safety, environmental and ethical standards.

### **Education and Qualifications:**

- Bachelor's degree in Geology, Earth Sciences, Geological Engineering, or a related discipline.
- Ability to maintain active membership with the Ordre des Géologues du Québec or the Ordre des ingénieurs du Québec.
- Demonstrated experience in geological modelling / block modelling within the exploration/mining industry.
- Experience supporting or contributing to Mineral Resource Estimates is considered a strong asset.
- Experience with pegmatite-hosted or vein-hosted systems, including LCT pegmatites, is considered a strong asset.
- Strong proficiency with Leapfrog Geo is required. Experience with other modelling software packages is considered a strong asset.
- Familiarity with geological database management systems and QA/QC workflows is required.
- Intermediate proficiency with Microsoft Office applications, including Excel and Word.
- Strong analytical, communication, and teamwork skills.
- Fluency in English and French would be an asset.

### **Working Conditions:**

- This position is primarily office-based in Montreal, with periodic travel to site and camp-based work as required.
- Availability to support operational needs outside of regular working hours when required.