



Senior Underground Geologist

Report to: Geology Manager

Department:

Location: Santa Cruz

About Ivanhoe Electric Inc.

We are a United States-domiciled minerals exploration company with a focus on developing mines from mineral deposits principally located in the United States. We seek to support American supply chain independence by finding and delivering copper and other critical metals vital to advanced manufacturing, infrastructure development, technology, and national security. We use our powerful Typhoon™ geophysical surveying system, together with advanced data analytics provided by our 94.3% owned subsidiary, Computational Geosciences Inc. ("CGI"), to accelerate and de-risk the mineral exploration process as we seek to discover new deposits of critical metals that may otherwise be undetectable by traditional exploration technologies. We believe the United States is significantly underexplored and has the potential to yield major new discoveries of critical metals. Our mineral exploration efforts focus on copper as well as other metals including nickel, cobalt, platinum group elements, gold and silver. Through the advancement of our portfolio of critical metals exploration projects, headlined by the Santa Cruz Copper Project in Arizona, we intend to contribute to domestic supply by developing resources that support industrial and strategic sectors. We also operate a 50/50 joint venture with Saudi Arabian Mining Company ("Maaden") to explore for minerals on ~48,500 km² of underexplored Arabian Shield in Saudi Arabia. Finally, in 2024, we established an exploration alliance with BHP Mineral Resources Inc. ("BHP"), a subsidiary of BHP Group Limited, to search for critical minerals in the United States.

Duties and Responsibilities:

Health & Safety

- Ivanhoe Electric Inc. is committed to a strong HSE Program that protects the persons, property, and environment within our care from incidents and accidents. We believe that all accidents are preventable. Management, contractors, and all employees are collectively responsible for ensuring compliance with local government, occupational health, safety, and environmental regulations.
- Understand and maintain compliance with all company standards, policies, and procedures, including, but not limited to, safety, drugs and alcohol, environmental, confidentiality, and code of conduct.
- Responsible for upholding and demonstrating the importance of the use and maintenance of Ivanhoe Electric's cloud-based, digitized, and centralized safety program.
- Always work safely with a focus on actively identifying, managing, and eliminating risks, while setting an example for others in doing so.
- Maintain quality work areas and equipment, including personal protective equipment (PPE) and organization in a neat and tidy condition and good working order.

- Systematic use of personal protective equipment appropriate for the nature of work being always performed.
- Attendance, participation, and demonstration of leadership and stewardship in daily toolbox meetings and safety and operational planning sessions with site management.

Key Responsibilities

- Assist the Geology Manager with ensuring the safe and efficient operation of ongoing development and operational responsibilities for the underground mining program.
- Responsible for the development, maintenance, and optimization of underground systems and processes for underground mine development, including, but not limited to, underground mapping, grade control sampling programs, volumetric surveying programs using drones, monitoring of underground sample points, QAQC of sampling values, and the accurate reporting of sample values for periodic reporting and reconciliation.
- Analyzing geological and structural data to update regional 3D geological models to a mine-scale geological model and deliver digital geologic data to multiple stakeholders.
- Track key performance indicators and provide management with regular project and objective updates for review and reporting purposes.
- Perform and/or assist with routine and ongoing supervision and training to direct reports, including, but not limited to, core logging, sampling, field tasks, ore deposit knowledge, and underground geological mapping and data analysis for both grade control and geotechnical evaluation.
- Responsible for the development, maintenance, and optimization of a geologic database and QAQC of data entry to ensure accuracy of information delivered to all stakeholders.
- Responsible for assisting the Geology Manager in creating an annual departmental budget, budget tracking, and compliance with the budget.
- Manage direct reports effectively and safely in a construction and underground environment to meet project tasks and objectives.

Skills and Experience Required:

- Secondary or tertiary degree in Geology from an accredited university
- Minimum of 7 years of underground operations required 10 years preferred
- Demonstrated ability to engage, collaborate, and communicate with a diverse range of stakeholders
- Mine to mill reconciliation reporting, additional reconciliation reporting as required
- Experience working base or precious metals required, in copper advantageous
- Underground bulk tonnage operations experience preferred
- Experience and decline development, as well as road header
- Experience with box cut development preferred
- Prior experience leading a team of technical professionals
- Proficiency and/or familiarity with various geological and data management software systems, such as Deswik, MX Deposit, Datamine
- Eagerness to implement new technologies and solutions in daily workflows
- Authorization to work lawfully and credibly within the USA and/or Canada without sponsorship from Ivanhoe Electric is required
- Strong time management skills



- Strong verbal and written communication skills with demonstrated experience in writing general and technical project correspondence

Diversity Statements:

Ivanhoe Electric is an equal opportunity employer that recognizes the value of a diverse workforce. All suitably qualified applicants will receive consideration for employment on the basis of objective criteria and without regard to the following (which is a non-exhaustive list): race, color, age, religion, gender, national origin, disability, sexual orientation, gender identity, or other characteristics in accordance with the relevant governing laws.

The Company offers a professional and entrepreneurial office environment and the opportunity to work and grow with talented colleagues. The Company offers competitive compensation, and employee benefits package. Please forward your resume, cover letter with salary expectations, and references, to Human Resources at humanresources@ivanhoelectric.com.

