



Resource Estimator Job Description

Blossom Gold is seeking a Resource Estimator to join our growing team. This role is responsible for providing independent technical review and assurance of Mineral Resource estimates across the company's portfolio. The successful candidate will evaluate geological models, block models, estimation methodologies, classification approaches, and supporting assumptions to ensure Resource estimates are technically robust, defensible, and aligned with corporate standards for annual resource reporting and disclosure.

About Blossom Gold

Blossom Gold is a Nevada-focused mining company founded by a team of experienced industry professionals. The company is advancing the former producing Rosebud Gold Project toward redevelopment as a modern open pit and underground operation.

Built on a foundation of delivering value through operational excellence, disciplined growth and responsible mining practices, Blossom Gold is assembling a high-performing team along with industry veterans and investors. We are committed to delivering long-term value while prioritizing safety, environmental stewardship and strong community relationships.

We foster a people-first culture that emphasizes health and safety, collaboration and respect across all employees, contractors and partners.

Key Responsibilities:

- Maintain, implement, and promote company-wide standards for Mineral Resource and Mineral Reserve estimation, classification, and disclosure readiness.
- Provide independent technical review of geological models, block models, grade estimation methodologies, variography, search strategies, interpolation approaches, and classification criteria.
- Assess geological interpretations, domaining strategies, lithological domains, structural controls, alteration patterns, and mineralization continuity used to support Resource estimates.
- Evaluate the robustness of Resource estimates, including modifying factors, drill spacing assumptions, classification approaches, and confidence categories.
- Identify technical, geological, and estimation risks that could affect Resource confidence, model reliability, future Reserve conversion, or major project decisions.
- Recommend opportunities to improve geological domaining, model interpretation, data quality, drilling programs, and estimation workflows to reduce uncertainty.
- Lead drillhole spacing optimization studies to support effective drill planning and Resource-to-Reserve conversion.
- Support structured technical assurance, independent peer review, and estimation validation processes across the portfolio.
- Contribute technical expertise to reviews conducted before major project milestones, investment decisions, Resource disclosure, or operational planning decisions.
- Collaborate with site geology, metallurgy, mine planning, exploration, and operations teams to ensure integrated technical understanding from geology through mine planning.
- Assist operations and site geology teams in addressing technical issues identified during assurance reviews and provide practical feedback on modeling and estimation approaches.



- Prepare monthly reports that track key geological modeling priorities, project progression, critical milestones, risks, opportunities, and other value-adding business priorities.
- Coach and mentor site-level subject matter experts and technical teams while supporting geological modeling succession planning across the portfolio.
- Perform other duties as assigned.

Qualifications:

- Bachelor's degree in Geology, Geological Engineering, or a related field; or a Bachelor of Science degree with equivalent relevant experience required.
- Eight (8) + years of experience in mine geology, exploration, Resource estimation, or a related technical discipline required.
- Demonstrated technical competence in geological modeling, Mineral Resource estimation, classification, and technical assurance processes.
- Familiarity with mining and geological software such as Leapfrog, Deswik, Vulcan, and Acquire.
- Strong verbal and written communication skills, with the ability to explain complex technical concepts clearly to technical and non-technical stakeholders.
- Collaborative leadership style with the ability to work effectively in an agile, multidisciplinary team environment regardless of reporting structure.
- Ability to work independently with minimal supervision while managing priorities and delivering high-quality technical work.

What We Can Offer You

- Competitive compensation package including health reimbursement plan
- Paid time off
- Opportunity to contribute to the redevelopment of a past-producing asset
- Collaborative, safety-focused, high-performing team environment
- Ongoing career growth within a rapidly expanding organization