



Julio Bruna Novillo

Principal Geologist Consultant

Profession

Geologist

Education

PhD in Geology

Universidad Nacional de Catamarca, Argentina.
2013 in process.

Geologist

Universidad Nacional de Córdoba, Argentina.
1986-1993

Master in Business Administration

(ESEADE–Escuela Superior de Economía y Administración de Empresas, Bs. As., Argentina), 2006-2007.

Professional Registration

Canadian Institute of Mining, Metallurgy and Petroleum. Member CIM # 152176. 2011 to date

Australasian Institute of Mining and Metallurgy. MAusIMM # 992246 CP (Geo) (Member Chartered Professional Geology). 2008 to date.

Colegio Profesional de Geólogos de Córdoba. Professional Registry: M.P. N° X-518. 1993 to date

Specialization

Economic geology, geological modeling, sampling, QA/QC, database, drilling, grade control, mineral resource exploration/assessment.

Leadership Development Program (LDP). 4 modules (Leadership, Coaching and Performance Evaluation, Planning & Delegation and Communication).

Expertise

Julio has over 22 years' experience in the mining industry. Your work experience includes 10 years as an exploration geologist for gold and base metal deposits, 10 years as a mine geologist in open pit mining and more than 2 years as a consulting geologist working in base metals and precious metals.

Mineral Resources Geologist with solid geological experience and extensive knowledge in:

-Strong commitment demonstrated in environment, communities and safety of the daily work with contractors.

-Integration of the geological-mining process at different stages: from greenfield-brownfield exploration, pre-feasibility and feasibility studies, to mine production.

-Leadership and management of geological studies in phases of pre-feasibility and feasibility according to international standards (JORC, NI 43-101), including geotechnical studies, metallurgical and hydrogeological for the development of the project (Projects: Bajo de La Alumbraera, Bajo El Durazno and Agua Rica).

-Technical review and audit the basics of recoverable resources model: sampling (database, QA/QC) and geological model (projects: Cobre Panamá, Zafranal, Antamina, Spence and Las Bambas).

-Geological Modeling of deposits epithermal and porphyry Cu-Au-Mo, using field observations and drill cores (Don Sixto, Bajo de La Alumbraera, Bajo El Durazno, Bajo San Lucas, Bajo Las Pampitas and Zafranal).

-Design, management, and execution of drilling programs. Training, leadership, management and supervision of work teams.

-Preparation and cost analysis, planning and implementation of budgets and estimated. Design, management and execution of drilling programs. Strong commitment demonstrated in environment, communities and safety of the daily work with contractors.

-Julio has published more than 14 technical articles, mainly on topics related to the Fundamentals of the Model of Recoverable Resources. Julio is the author of 2 chapters of the book "Manual de Perforaciones para Geólogos e Ingenieros": Autor: Chapter 5: "Drilling Muds" and Chapter 13: "Drilling Mining". Published in 2016, Ed. Eduvin.

