

## MARNIE PASCOE

### PRINCIPAL GEOTECHNICAL ENGINEER



M Eng Sci (Mining Geomechanics), BSc (Geology)  
(Hons)  
MAusIMM (CP), Association of Mining Analysts,  
MinSouth

#### EXPERTISE

Marnie's primary expertise is in rock mechanics including ground support and rock reinforcement design, rockmass characterization, ground behaviour monitoring and understanding, mining method selection, excavation design and extraction sequencing. Other key areas of expertise are development and management of geotechnical systems, new technology identification and implementation, personnel mentoring and career development.

#### SUMMARY OF EXPERIENCE

With more than 20 years experience in the mining industry, Marnie is a specialist rock mechanics engineer:

- 3 years, WMC, Geotechnical Geologist: pillar extraction, general geotechnical work, development of Q plus mapping system, training.
- 4 years, BHP World Minerals, Geotechnical Geologist: coordination of the Cannington geotechnical programme, implementation of wet-mix shotcrete as part of the mining cycle, geotechnical data collection, support and reinforcement design of underground workings, stopes and capital development, evaluation and assessment of support and reinforcement techniques for implementation.
- 5 years AMC, Senior Geotechnical Geologist: site investigation, project and structural geology, ground support and reinforcement design, ground behaviour observation and monitoring for clients' mine sites, implementation of a systematic geological/geotechnical data collection and analysis procedure for mine sites.
- 3 years, Olympic Dam, Superintendent Mine Geotechnical: all geotechnical aspects including stope design and sequencing, ground support and vertical development design, stress measurements and numerical modelling, slope stability, hydrogeology and extraction sequence.
- 3 years, BHP Global Technology, Principal Engineer/Team Leader Mining Technology: operational and technical support, implementation of new technology and methodologies, dissemination of leading practice.
- From January 2009, AMC, Principal Geotechnical Engineer: site support projects for underground and open pit mines, scoping and mine closure studies.

Marnie's full resume is available upon request.