

RESUME

Shannon Shaw, B. Sc., M.Sc.

Senior Geochemist/Mineralogist



Education:

B.Sc. (Geological Sciences and Chemistry)
Queen's University, Kingston, Ontario, Canada

M.Sc. (Geological Sciences)
University of British Columbia, B.C., Canada

Years of Relevant Experience: 10

Summary of Experience:

2005 – present: Founding Partner & Senior Geochemist/ Mineralogist, MESH Environmental Inc.

2005: Geochemist/Mineralogist, Mehling Environmental Management Inc.

1996 – 2005: Geochemist, Robertson GeoConsultants Inc.

1996: Small scale mineralogical consulting contracts

1994 – 1995: Teaching Assistant, University of British Columbia, B.C., Canada.

1993 – 1994: Teaching and Research Assistant, Queen's University, Kingston, Ontario, Canada.

Affiliations:

Society for Mining, Metallurgy and Explorations (SME)

Canadian Institute of Mining (CIM)

International Mine Water Association (IMWA)

Ms. Shaw is a senior geochemist and mineralogist with over 10 years of experience in environmental consulting. Her areas of specialty are geochemistry, hydrogeology, mine waste management, and the development of acid rock drainage control strategies.

Areas of Expertise:

- Assessment of acid rock drainage (ARD) and metal leaching (ML) potential for mine site components and wastes.
- Prediction of surface and ground water quality and impacts.
- Development of ARD/ML prevention, control and closure strategies.

Recent Project Experience:

- St. Ives Gold Mine Co Pty Ltd, Western Australia – Sampling of existing waste rock piles for characterization of ARD/ML potential by location and rock type, interpretation of data to assist in future waste management planning, including consideration of salinity and reclamation aspects; assessment of residual cyanide species and long term leaching potential for waste and spent ore associated with a proposed heap leach expansion.
- Minera Gold Fields S. A., Cerro Corona Project, Peru – Senior technical review of EIA water quality impact assessment, with emphasis on the acid rock drainage and metal leaching (ARD/ML) predictions and implications.
- Newcrest Mining Ltd, Telfer Gold Mine, Australia – Assessment of the adequacy of existing physical and chemical characterization of tailings and waste materials to support the Telfer Sustainable Mine Closure Plan, in assoc. with Fawcett Mine Rehabilitation Services Pty Ltd.
- Bolivar Gold Corp., Choco Project Expansion, Venezuela – Gap analysis for expansion scoping study, covering ARD/ML, cyanide management, tailings supernatant quality and water management aspects.
- Goldcorp Inc., Peak Gold Mine, NSW, Australia – Review and gap analysis of tailings geochemical data, including identification of closure issues and considerations; follow up analyses in support of a closure cover design by O'Kane Consulting Pty Ltd.
- Newmont Jundee Operations, W.A., Australia – Site wide characterization programme for waste rock and pit walls with interpretation and implications for long term waste management and void water quality.