

**EDUCATION**

B. Sc. Geology, University of Canterbury 2002

**AFFILIATIONS**

Member of the Australasian Institute of Mining and Metallurgy  
 Member of the Geotechnical Association of New Zealand  
 Member Association for Mineral Exploration - British Columbia

**EXPERIENCE**

2007 - Present

**RESOURCE DEVELOPMENT CONSULTANTS LTD****NEW ZEALAND**

Providing geological & geotechnical services. Specialist in drill program design and management, downhole hydraulic testing and database /GIS design and implementation.

2006 - 2007

**ABACUS MINING & EXPLORATION CORP.****BC, CANADA**

Planning and operational management of exploration programs focusing on Alkalic Porphyry deposits. Drill rig management, geological/geotechnical mapping, core logging, regional interpretation and modelling.

2005 – 2006

**QUEENSLAND GEOLOGICAL SERVICES PTY LTD****QLD, AUSTRALIA**

Responsible for geological and geotechnical exploration programs. Greenfield /brownfield exploration and production support

2003 – 2005

**CRL ENERGY LTD****NEW ZEALAND**

Geological technician supporting the geological, environmental, air quality and port services divisions.

**PROJECT RELATED EXPERIENCE****2009****COAL EXPLORATION PROGRAM****WAIKATO, NEW ZEALAND***L & M GROUP*

Exploration program design, planning and implementation, including – land access negotiation & agreement, resource consent application, tender letting, geological field work, reporting to Crown Minerals standards

**2009****COAL EXPLORATION PROGRAM****SOUTHLAND, NEW ZEALAND***L & M GROUP*

Multiple site, multiple rig coal exploration program in the Southland lignite fields.  
 Continuous coring through soft sediment & up to ten seams.  
 Downhole geophysical logging and interpretation  
 Reporting to Crown Minerals standards

**2008 – 2009****COAL EXPLORATION PROGRAM****WAIKATO, NEW ZEALAND***SOLID ENERGY NEW ZEALAND*

Multiple site, multiple rig coal exploration program in the Huntly coalfield.  
 Programme & staff management, core logging and analyses.  
 Downhole geophysical logging and interpretation  
 Interaction with client regarding data workflow and implementation.

- 2008**            **DIDIPIO COPPER GOLD PROJECT**            **LUZON, PHILIPPINES**  
*OCEANA GOLD*  
 Geotechnical drilling to assess stability of the proposed open pit.  
 Geotechnical drilling and testing of the plant site foundations.  
 General geomorphologic mapping of local area.  
 Drilling to assess hydrogeological interaction within the tailings dam footprint. Geotechnical drilling and hydraulic testing of the proposed underground decline and boxcut.  
 Data management and delivery
- 2007**            **PIKE RIVER COAL MINE**            **NEW ZEALAND**  
*PIKE RIVER COAL COMPANY*  
 Geotechnical support for the access adit development.
- 2006 – 2007**    **IRON MASK BATHOLITH PROJECT**            **KAMLOOPS, BC, CANADA**  
*ABACUS MINING & EXPLORATION*  
 AJAX EXPANSION  
 Resource development project for multiple targets within the Iron Mask Batholith. Project geologist for the project involving In excess of 30,000m drilled per annum, resource modelling and ongoing baseline studies. Involved in the release of multiple independent 43-101 compliant resource statements  
 DM AUDRA ZONE  
 Regional structural investigation to identify mineralized zone using photogrammetric techniques, structural field mapping, airborne & ground geophysics and 5,000m+ of diamond drilling
- 2005 – 2006**    **ENSHAM RESOURCES**            **QLD, AUSTRALIA**  
 CENTRAL UNDERGROUND PROJECT  
 Full investigation for pre-feasibility study of 1Mtpa+ longwall project. Geological, geotechnical, gas desorption, frictional ignition and spontaneous combustion testing and modelling conducted.  
 OPENCUT/OPERATIONAL DRILLING AND MODELLING  
 General run of mine geological/geotechnical support and modelling
- 2005**            **XSTRATA ROLLESTON BOX CUT/LOX DEFINITION**            **QLD, AUSTRALIA**  
 Limit of Oxidation (LOX) drilling program to define pit boundaries for a virgin opencut project. Detailed local geotechnical investigation for box cut ramp stability.