

Tom Tulp Geological Services

Practical vision and experience to the mining industry.

Resume

Thomas (Tom) Tulp.

Principal

Qualifications and Professional Affiliations

**Associateship in Applied
Geology (1968).**
Western Australia Institute of
Technology

Train the Trainer

Member AusIMM

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Background

Geologist with over 25 years of mine production experience culminating as chief geologist (Cork Tree Well Operation) and now operating as an independent consulting geologist and 'Whittle' software trainer. His expertise focuses on mine production and economics. Having worked in both open-cut and underground mine environments and in a range of commodities (Gold, Nickel, and Tin) his hands on expertise is well based. Training in 'Strategic Mine Planning' using 'Whittle' software to an international community (Sweden, Saudi Arabia, Indonesia, New Zealand, Canada, South Africa and America) has enhanced the training and economic skills established in production.

Expertise

- Mining Operations
 - Problem solving in a production environment
 - Team building
 - Application of geology in production.
 - Mine start-up and closures.
 - Due diligence studies.
- Training
 - International clientele.
 - Specialised software application.
 - Application of Mature Student teaching techniques.
- Project Development
 - Feasibility studies.
 - Long term planning and scoping studies.

Published Papers.

Tulp. T. 1994. 'Application of Whittle Four-D to Risk Management in Pit Optimisation'. 4th Large Open Pit Conference AusIMM.
Tulp. T. 1995. 'Economic Change and Pit Design' Proceedings 'Optimising with Whittle. Perth 1995'
Tulp. T. 1997. 'Multiple Ore Body Systems'. Proceedings 'Optimising with Whittle. Perth 1997'.
Tulp. T. 1998. 'Open Pit to Underground' Proceedings 'Mine Planning and Equipment Selection' '98 Raj K. Singhal, editor.

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Employment History

June 1994 - Present:

Tom Tulp Geological Services / Prospect Resources International Principle

Tom Tulp Geological Services, provides expertise to the mining industry, in mine geology (underground & open cut) and strategic mine planning with 'Whittle' Software.

May 1988 - June 1994 Ashton Gold (WA) Limited Chief Mine Geologist

Laverton Operations Cork Tree Well Site - Fly in/Fly out from Perth. Open pit gold mine. milling at 270,000 tpa expanding to 1 million tpa. Ore supply came from numerous pits around Laverton (WA). Fourteen (14) pits were excavated in 4 years, peaking with seven pits running simultaneously in late 1991. Problems and challenges from the multiple pits included, wall failure, changes in the gold price, budgets and schedules for multiple pits, pit designs, mine exploration, logistic for the multiple widely spaced pits.

February 1985 - May 1988 Head Frame Services Contract Geologist

Project 1: Company: Queen Margaret Gold Mine Property: Bellevue Gold Mine
Reinterpretation of ore structural and stratigraphic controls. Ore resource and reserve calculations for the proposed underground mining methods.

Project 2: Company: Pan Australian Mining Ltd. Property: Pinnacles Mine (NSW)
Review of current literature and some plans aimed at defining a global resource on the property.

Project 3: Company: Queen Margaret Gold Mines Property: Bellevue Gold Mine

On site supervision during shaft sink and exploration development at project start-up. Instigating production control methods for both the underground and open pit ore extraction.

Project 4: Company: Riverina Gold N.L. Property: Riverina Gold Mine
Opening up the old Riverina mine and geological investigations of the workings. Implementation of exploration diamond drilling. Feasibility and presentations of the project to the board and partners.

March 1980 - February 1985 Metals Exploration Ltd Senior Mine Geologist

February 1983 – February 1985. Project work from the Kalgoorlie Office on various projects.

1. Implement computer base metrication of all geological and survey data from North Kalgurli Mine.

2. Reinterpretation and ore resource assessment of North Kalgurli Mines (gold).

3. Reinterpretation and ore resources of the nickel deposits at Forrestania (WA).

March 1980 - February 1983. Nepean Nickel Mine. The deposit is of Kambalda style of mineralisation. Structurally complex and required constant updates of the interpretations. As senior mine geologist I directed the geology department, supplied interpretations for further exploration at the mine and surrounding areas, maintaining the ore reserves at the property.

Feb 1974 – Mar 1980 Cominco Exploration Pty Ltd, now Aberfoyle Ltd

Position: Production Geologist to Senior Mine Geologist

Cleveland Tin Mine (Luina Tasmania) is a metasomatic deposit, stratabound in Cambrian carbonate units. All aspects of detailed geological mapping, core logging and sampling, grade control, mine planning, stope design, ore reserves assessments, budgeting, work proposals, forecasting, drilling target definition and schedules, structural and stratigraphic interpretations and definition of exploration targets.

March 1971 - December 1973 North Flinders Mine Limited (Sth. Aust.) Geologist.

Adelaide (1 year) Arkaroola Field Base Camp (2 years). Proterozoic Sediments in the Flinders Ranges (Sth. Australia). Regional geological and geochemical methods were used to define the prospects, which were then assessed with detail mapping and drilling. Prospect generation within the general lease area.

December 1968 - February 1971 Electrolytic Zinc Co. of A/Asia Geologist.

Adelaide (based with field trips). Uranium exploration within the Olary Province of Sth Aust. Detailed and regional geological mapping, ground follow-up of the airborne radiometric surveys, drill programs on the prospects. Water sampling for identifying the Roll Front deposits associated with that source area.