

ALAN DICKSON & ASSOCIATES PTY LTD
Consulting Mining Engineer
ABN 83 230 871



Alan Dickson

BSc(Eng) Mining ARSM 1968
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Alan Dickson & Associates Pty Ltd
PRINCIPAL MINING ENGINEER

**MINE DESIGN AND
PLANNING
PROJECT / TECHNICAL
ASSESSMENT**

Alan commenced his career as a mining engineer in Mount Isa in 1968. Since that time he has been involved in underground mining in Canada and Australia. Alan holds a First Class Metalliferous Mine Manager's Certificate of Competency (WA and QLD).

Since 1979, he has been an independent consulting mining engineer. His work has included reserve assessment, pit design and scheduling, the preparation of feasibility studies, rehabilitation design, underground mine planning, scheduling and budgeting.

The companies for which Alan has completed consulting assignments have been both small exploration/development companies and some of the major mining companies. Included in his work have been gold and base metal mines, both open pit and underground; surface coal mining, mineral sand mining, iron ore open pit mining and waste dump rehabilitation design.

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CONSULTING MINING ENGINEERS.

ACN 009 - 230 - 871, ABN 83 009 230 871

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Work completed by Alan Dickson.

BHP Iron Ore (Newman)2000

Pyritic shale dumping strategies.

Mt Keith Nickel Mine (WMC Resources). (1997 - 2000)

Preparation of technical arguments associated with a multi millions of dollars arbitration claim by a former contract mining organisation.

Kapok East Project (Western Metals Limited) - (1999)

Prepare a study to examine different mining options for an extension to the Kapok mine (Underground Lead-Zinc Mine) on the Lennard Shelf.

Jundee Gold Operations (Great Central Mines Limited). (1998)

Advise on a contract dispute with the mining contractor. Assisting the client to prepare new contract documents, both for the open pit and underground operations.

Blendevale Project (Western Metals-Acacia Resources JV). (1996 - 1997)

Mining Co-ordinator on the Blendevale (Pillara) Feasibility study team. **Westralian Sands Limited. (1988 - 1997)(Now Iluka Minerals)** Reviewing resources, providing long term mine plans and schedules for the Yoganup North operation, developing a mining method and sequence for an adjacent strand line to the Yoganup Extended Pit. Preparing whole of mine life plans for satellite deposits.

BHP Minerals - Cadjebut U/G Zinc Mine. (1994) &

Western Metals- Cadjebut U/G Zinc Mine. (1994-9)

Study into the causes of roofbolt corrosion failures. Pillar retreat mining schedule (balance of mine's life), using Surpac software and spreadsheets. Prepare schedules for short term and medium term and budget purposes. Carry out miscellaneous projects and reviews.

Asarco Australia Limited. (1992 - 1994) - became Wiluna Gold Mines, then taken over by Great Central Mines.

Prepared two underground mining plans to exploit the sulphide gold resources at Wiluna. Plans, schedules and costings were prepared for both the Bulletin Mine and the Happy Jack Mine. Both these mines were located below open pits which had been mined to exploit the oxide ore.

BHP Iron Ore (Goldsworthy) Ltd. (1992-1994)

Assist in preparation of the 1992 financial year mining schedule and also the whole of mine life schedule. Converting the daily reporting system from a manual based one to one adopting spreadsheets. Prepared the quantities and scope of work for the two rehabilitation contracts let to push down and rehabilitate the old dumps at Shay Gap, Sunrise Hill and Nimingarra.

Mount Burgess Gold Mining Company N.L. (1988 - 1991)

Director 1987 - 1991.

The Griffin Group of Companies. (1980 - 1989)

Involvement with Griffin spanned almost nine years. Mine design and scheduling were the principle areas worked on. Also spent time preparing legal case.