
SPECIALTIES AND EXPERTISE

- Mining geologist with over 40 years of experience in exploration, project evaluation, mine development, mine operations and general management.
- Experienced in a variety of mining environments - open pit, underground and alluvial operations, and in a range of commodities - principally gold, copper, silver-lead-zinc, uranium, nickel, iron ore, rare earths, tantalum and magnesite.
- Specialist in resource and reserve estimation, audit and review, reserve reconciliation procedures and project optimisation.
- Experienced in geological, mining, and financial evaluation of mineral projects, feasibility studies, due diligence and independent expert reports.

PROFESSIONAL EXPERIENCE

1994-Present **Behre Dolbear Australia Pty Limited - Principal and Executive Director**

As Principal and Executive Director of Behre Dolbear Australia ("BDA"), Malcolm has been the architect and manager of the development of BDA's expertise in the role of Independent Engineer ("IE"); in those assignments, he has worked on numerous base and non-ferrous metals, predominantly with gold, nickel, copper, magnesium, iron ore, uranium and polymetallic project evaluations, feasibility studies, due diligence reports, independent expert reports, optimisation of mine operations, resource and reserve computations and audits, and strategic planning studies for mining companies and financial institutions.

Projects with which he has been directly involved include, among many others, Cadia, Ridgeway, Telfer, Elura, Paddington, Kanowna Belle, KCGM Super Pit, Bronzewing, Wiluna, Jundee, the Granites, Callie, Boddington, Pajingo, Mount Gordon, Renison, Mount Lyell, Cloudbreak, Christmas Creek, Crosslands, Balla Balla, Cairn Hill, Solomons, Iron Bridge, Southdown, Peculiar Knob, Savage River, Mount Gibson, Marlborough, Cawse, Bulong, Murrin Murrin, NBHC Broken Hill and Pooncarie (Australia), Porgera, Lihir, Ramu, Tolukuma and Frieda River (PNG), Martabe, Mt Muro, Chibaliung (Indonesia), Vatukoula (Fiji), Goro (New Caledonia), Sepon, Phu Kham, Phu Bia, Ban Houayxai and Khanong (Laos), Macraes and Reefton (New Zealand), Nui Phao (Vietnam) and Carmen Copper, Masbate, Didipio, Siana and Padcal (Philippines).

1991 - 1994 **Malcolm Hancock Associates Pty Ltd - Principal and Director**

Independent consultant working on a range of projects covering resource and reserve estimations, feasibility studies, evaluation programs and technical audits; clients included mining companies, financial institutions, engineering and consulting groups

1980 - 1991
1987 - 1991 **Pancontinental Mining Limited - Australia
General Manager - Mining**

Responsible for mining and geological activities of the company. Evaluation of new prospects and acquisition opportunities, geological and mining input to feasibility studies, development of mining projects and technical overview of production operations. New projects developed included the Thalanga open pit/underground copper/lead/zinc mine (Qld), the Kunwarara magnesite operation (Qld), the Wodgina tantalum mine and the Kundana open pit/underground gold mine, both in WA.

1984 - 1987 **Manager - Mine Evaluation**

Responsible for geological and mining input to on-going operations and new projects and for the assessment and evaluation of acquisition opportunities. Developed the Paddington open pit gold mine in WA and undertook the feasibility study evaluation of the Lady Loretta silver-lead-zinc project in northwest Queensland.

1980 - 1984 **Chief Geologist - Operations Division**

Responsible for geological, geotechnical, resource and reserve studies for the Jabiluka

(Northern Territory) uranium project and for the exploration and evaluation drilling, ore estimation and mine planning for the Paddington gold project.

1968 - 1980 **ROAN SELECTION TRUST/ROAN CONSOLIDATED MINES - Zambian Copperbelt**

1976 - 1980 **Chief Geologist - Chambishi Mine**

Chambishi Mine - a combined open pit and underground copper operation mining 2.2Mtpa. Responsible for all exploration drilling, grade control, geotechnical, drainage and ground support work, reserves and reconciliation and geological input to mine design.

1968 - 1976 **Project Geologist, Senior Geologist, Assistant Chief Geologist, Exploration Division**

Exploration in remote bush areas and on the Copperbelt, from reconnaissance grass-roots work to advanced projects, delineation drilling and resource/reserve estimation. Included periods of secondment to various operating mines on the Copperbelt.

1966- 1968 **Greshams School - Norfolk, England**

Taught mathematics, chemistry and geology in boys' boarding school.

EDUCATION

B. A., M.A. (Cambridge) Honours Natural Sciences - Geology.

PROFESSIONAL AFFILIATIONS

FAusIMM Fellow of the Australasian Institute of Mining and Metallurgy
MIMM Member of Institution of Mining and Metallurgy (London)
FGS Fellow of the Geological Society (London)
MGSA Member of the Geological Society of Australia
MMICA Member of the Mineral Industry Consultants Association of Australia

PUBLICATIONS

Hancock M.C., Amos Q.G.

"The Paddington Deposit, Western Australia - the Rediscovery of an Old Gold Mine", 7th Australian Geological Symposium, 1984, Sydney.

Hancock M.C., Amos Q.G.

"The Paddington Gold Project - Evaluation Drilling and Ore Reserve Estimation", 7th Australian Geological Symposium, 1984, Sydney.

Hancock M.C., Gooday P.E., Breech G.E.

"Ore Reserve Systems - Principles and Practice", Resource and Reserves Symposium, AusIMM, 1987, Sydney.

Hancock M.C., Purvis A.H.

"Lady Loretta Silver-Lead-Zinc Deposit", in Geology of the Mineral Deposits of Australia and Papua New Guinea, Ed F.E. Hughes, AusIMM Monograph 14, 1990.

Hancock M.C., Maas R., Wilde A.R.

"Jabiluka Uranium - Gold Deposit", in Geology of the Mineral Deposits of Australia and Papua New Guinea, Ed F.E. Hughes, AusIMM Monograph 14, 1990.

Hancock M.C., Robertson I.G., Booth G.W.

"Paddington Gold Deposits", in Geology of the Mineral Deposits of Australia and Papua New Guinea, Ed F.E. Hughes, AusIMM Monograph 14, 1990