

# MINNELEX PTY. LTD.

GEOLOGICAL CONSULTING SERVICES & VALUATIONS

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## CURRICULUM VITAE

### Qualifications: BSc. FAusIMM, Cert Functional Mgt. GAICD

#### 1983-Present Geological Consultant

Minnelex carries out property valuations and prepares independent geological reports of exploration projects in Australia and overseas. Much of this work is for new resource companies intending to float on the ASX. Reports have covered gold, base metals, iron ore, industrial and mineral sands, rare earths, diamonds, gemstones, coal, dimension stone, bauxite and clay/bentonite deposits. The projects tend to be at all stages of development ranging from grass roots exploration through to operating mines.

#### Independent Geological Reports

Minnelex Pty Ltd has written the Independent Geological Reports for the following companies, mostly for Prospectus floats.

<u>Company Prospectus</u>	<u>Commodity</u>	<u>Location</u>
#AFL Resources	Gold	WA
#Aldoga	Bauxite	WA
Altius Mining Ltd	Gold/copper	Qld & NSW
Admiralty Resources	Metal brines	Argentina
# Akubra Mining	Gold/copper.	Philippines
Arrow Gold	Gold	NSW
Astrik Resources NL	Agricola Gold Mine	Qld
Augur Resources Ltd	Gold/Copper	NSW
#AusGem	Gems dim-stone	WA
Ausmon Resources Ltd	Au/Cu	NSW
#Aussie Q Resources	Cu/Mo	Qld
Australian Bauxite Limited	Bauxite	NSW/Qld
Australian GeoScientists	Bestman Rd Mineral Sands	Qld
Austral Resources	Zircon	Madagascar
Bowen Energy	Coal	Qld
Cardia Resources	Gold	Queensland
Centius Mining Pty Ltd	Gold, copper	Qld & NSW
#Chamelion Resources	Gold	Fiji
Champion Resources	Gold/copper	NSW
#Charters Towers old	Gold	Queensland
China Yunnan Copper	Gold/copper	Queensland
# Creswick Resources NL	Alluvial gold	Victoria
DSF International Holdings	Gold	PNG
# Diamond Rose	Diam./gem/dim-stone	WA & NT
Eastern Copper	Base metals	Queensland
Eastern Gold	Gold	Philippines
Elementos Ltd	Copper/gold	Argentina
# Equinox Resources	Gold	WA
Etres Resources	Gold, Nickel	Philippines
Golden Pacific Resources	Gold	Alaska & Qld
#Golden Rose	Gold	WA
Gullewa Limited	Nickel	Tasmania
# Interchrome NL	Gold/copper/cobalt	Chile

#Kimberley Rose	Diamonds	WA
# Kingsgate Resources	Gold	Thailand
Kryptonite Minerals NL	Copper/Gold	Qld
Lake Resources	Copper, platinum	Pakistan
Lake Resources	Gold/Base metals	Sweden
# Marbim Gold NL	Copper, gold	Vic &NSW
MGT Mining Ltd	Tin, gold	Qld
#Mt Adrah Gold	Gold	NSW
# Murchison United	Gold/copper	Qld &NSW
Navaho Gold	Gold	Nevada & Qld
Niuminco	Gold	PNG
Norton Gold Fields	Gold	Qld
#Opal Horizon Limited	Opals	Qld & SA
Orocobre	Lithium salt, gold/copper	Argentina
Oroplata Ltd	Gold	Argentina
Parsons Gold	Gold	Philippines
Pluton Ltd	Gold, Iron ore	Fiji/Tas/WA
Remine Gold	Gold copper	Qld &NSW
Rimfire Mining	Silver/gold/copper	Qld &NSW
Robust Mines Ltd	Au/Cu	Fiji
Sabena Limited	Gold	Philippines
Serena Resources Limited	Copper	Chile
# Scorpion Pacific	Gold	NSW
# Solomons Mines NL	Gold/antimony	Qld
#Southern Cobalt NL	Cobalt	NSW
Sovereign Gold Coy Ltd	Gold	Qld
Spinafex Rural Mgt	Coal	Qld
St Istvan Gold Ltd	Gold, copper, silver	Hungary
Timpetra Limited	Gold	Victoria & WA
#Titan Metals Ltd	Gold	PNG
Union Mining	Gold	Queensland
Waraluck Mining	Gold	Queensland
Western Pacific Gold	Gold	Solomon Is & /Fiji
Winmar Resources	Hematite	WA
Xenolith Gold	Gold	Queensland
Yulleba Resources Ltd	Iron/Gold	Qld & WA

# Written in conjunction with TV Willstedt and Associates, Sydney. Not all floats have reached the market.

### **Independent Valuations**

<b><u>Company</u></b>	<b><u>Project</u></b>	<b><u>Location</u></b>
Angel Jade Pty Ltd	Jade	NSW
Ark Mines Ltd	Copper and gold	NSW
Angel Jade	Jade/Nephrite	NSW
Augur Resources Limited	Copper and gold	NSW
Ausmon Mining	Gold	Qld
Axiom Mining/Osmin Resources	Copper and gold	Qld
Baru	Graphite	Namibia
Bassari Resources Ltd	Gold	Senegal
Bonython Metals Group	Magnetite	SA
Bonython Metals Group	Magnetite	NSW
Bowen Energy, 2008	Coal and metals	Qld
Bowen Energy, 2009	Coal	Qld
Bruce Resources NL	Atric Gold	Qld
Capital Gold Ltd	Gold tailings	Tas
Centius Mining Pty Ltd	Gold, copper	Qld, NSW
Chameleon Mining NL	Gold/Copper	WA.
Circle Resources	Gold	Qld
Consolidated Tin	Tin	Qld
Dome Mining	Magnetite Sands	Fiji
Doyle, Adavale Basin	Potash	Qld
DSF International Holdings	Gold	PNG
Ebony Iron P/L	Magnetite	WA
Eidsvold Siltstone	Dimension Stone	Qld
Eastern Gold NL	T'Boli Gold	Philippines
Eastern Stone and Minerals NL	Dimension Stone	Qld

EPC 1674	Coal	Qld
Global Mineral Resources Ltd	Gold, tin, tungsten, base metals	Qld, NSW
Haoma Mining NL	Gold	Qld
Hellyer Tailings (Ivy Res)	Gold	Tas
Hellyer Tailings (Ivy Res)	Gold	Tas
Hellyer Tailings (Ivy Res)	Transfer duty	Tas
Hill End Gold	Gold	NSW
Hillgrove Mines P/L	Gold	NSW
Hillgrove Mines P/L	Transfer duty	NSW
HLM Coal (EPC890)	Coal	Valuation
Huntley Group	Gold, tungsten	NSW, SA
IPOH Pacific NL	Bentonite	Qld
Ivy Resources	Gold tailings	Tas
JKO Mining	Gold	Qld
Kageena/Garawa Mining	Gold/copper	SA
Karratha Metals Ltd	Magnetite	WA
Kinsha Limited	Alluvial Gold	NSW
Laocha	Gold	Hungary
Laneway Resources	Gold/Coal	Qld, NSW, NZ
London PLC	Au, Mn, Cr, Fe	Turkey
Magma Mines	Magnetite sands	Fiji
Mawson Metals Group	Magnetite	SA
Metal Bank Ltd	Gold/Moly	WA
OGI Limited	Coal	Qld
Pacific Rim Minerals P/L	Gurumundi Bentonite	Qld
Pacific Magnesium Corp Ltd	Mantuan Bentonite	Qld
Peter Lewis Group	Alluvial gold	SA
Plouton Ltd	Gold	Fiji/Tas
Queensland Mining Corporation (08)	Gold/Copper	Qld
Queensland Mining Corporation (09)	Gold/Copper	Qld
Remine Gold	Gold copper	Qld, NSW
Roar Resources Ltd	Gold	Qld
Snow Peak Mining	Transfer Duty	Qld
Southern Cross Exploration	Uranium	NT
St Istvan Gold Ltd	Gold, copper, silver	Hungary
Synergy Plus Ltd	Magnetite	SA
Union Mining NL	Croydon/Georgetown gold reefs	Qld
Vincent Resources Ltd	Magnetite / Hematite	NSW
Wentworth Metals Group	Magnetite	NSW
Winmar Resources	Hematite	WA

## Historical

### **1997-2007 Non executive and founding director of Metallica Minerals Limited.**

Metallica was set up in 1997 to exploit lateritic nickel deposits around Greenvale. It subsequently expanded its interests to include coal, bauxite, gold/copper, scandium, mineral sands and limestone resources. It floated in 2004 after a successful IPO in 2003.

### **1980-1982 Marathon Petroleum Australia Ltd**

Exploration Supervisor, Metals; responsible for all projects throughout Australia other than those for coal and uranium. The Metals section grew from three geologists with a direct exploration budget of US\$930,000 in 1980, to 16 geologists with a budget of US\$2.2 million in 1982.

With Marathon, I was responsible for the initial mapping and drilling at the Mt Leyshon and at Far Fanning gold prospects. Mt Leyshon became one of Australia's largest gold mines and in 1997, reserves and resources totalled 70 Mt at 1.3 g/t Au. At Far Fanning, 1Mt of low-grade gold mineralisation was defined. Both these deposits have since been mined out. Marathon was taken over by US Steel in 1982, and the exploration interests sold and staff disbanded.

**1979-1980**                      **Contractor**

Eighteen months contracting work which included gold and uranium exploration in WA, covering the conglomerates and sandstones of the Fortescue Group in the Pilbara and open cut gold projects in Kalgoorlie and Coolgardie.

**1977-1979**                      **Penarroya (Aust) Pty Ltd**

Senior Geologist; exploring for Cu-Au and other base metal deposits in the Lachlan Fold Belt of New South Wales, the Pine Creek Syncline of the Northern Territory, and in the Mt Windsor Volcanics, Qld.

**1972-1977**                      **Mines Administration Pty Ltd (Minad)**

Senior Geologist; in charge of exploration in WA. In 1972 I initiated the search for gold in the Meekatharra and Peak Hill areas and supervised the proving up of five separate opencut gold orebodies at Paddy's Flat in Meekatharra (Haveluck, Halcyon, Yaloginda, Pharlapp, Prohibition). The Haveluck project reached final feasibility in 1975 and included the first trial gold heap leach (10,000t) by a listed company in Australia.

During this period, Minad secured options over the Peak Hill, Horseshoe Lights, Gabanintha, Reedies, Blubird and other old gold producing areas. Exploration ceased in 1976 when Minad terminated all exploration and joint ventured its interests to Whim Creek who were later taken over by Dominion Mining. All of its optioned areas subsequently became mines and by the early 1990s around \$2 billion in gold had been extracted. The project was the subject of a book I published. "*Meekatharra, a journey from gold dust to bulldust*" ISBN174008-383-0

**1969-1972**                      **Watts Griffith and McOuat**

Consultant geologist for this Canadian consulting group, working on copper and nickel projects in the Archean of WA, principally around Meekatharra.

**1966-1969**                      **Western Mines and Newmont Mining, Canada**

Two years as exploration geologist on Newmont's porphyry copper project at the historic Granby workings at Copper Mountain, Princeton, BC. During this period the Simalkameen porphyry copper orebody was discovered and proved up by drilling and bulk sampling. It has since been mined out.

Freelance work on silver properties in Nevada and northern British Columbia and a year as Pit geologist at the Lynx-Myra Mine on Vancouver Island for Western Mines, a copper/zinc operation treating 1000tpd.

**1962-1966**                      **MT Isa Mines (MIM)**

Two years as a field geologist with the MIM exploration division (CEC), based for varying periods at Monto, Herberton, Cloncurry and Tenterfield searching for tin, wolfram, silver and copper.

Two years as underground geologist at the mine working in the 7 and 9 level lead stopes and the 11 and 13 level copper stopes.

**1961-1962**                      **Tasmanian Mines Department**

Two summer vacations spent in assisting in regional mapping of the Ironbound Ranges and Lune River area of southern and southwest Tasmania.