

RESUME

PAUL AP LEWIS

(ABN: 44 158 406 490)

157 Hawtin Rd,
Forrestfield, WA 6058
AUSTRALIA

Fax and Tel. 61 (08) 9454 2225
Email: paplewis.66@alum.mines.edu &
terrasources@bigpond.com

Personal Details Born 19 February, 1941. Health excellent, weight 195 lbs. (89 kg.), height 6'3" (191 cm), competent in Spanish, and some Indonesian spoken. Aus. and USA citizenship, married, four children (one dependent)

Professional Education **MBA** (1983) - University of Western Australia, Perth, WA.
Engineer of Mines (1966) - Colorado School of Mines, Golden, Colorado.

Employment 30 years experience in mine operation, design, evaluation and personnel motivation.

November 1985 - present **TERRA-SOURCES - Mine Management Consulting** specializing in mine evaluation, design, scheduling, and permitting, as well as relief management and engineering personnel for mine site operations. See attached client list.

April 1984 - November 1985 **STRACHAN & ASSOCIATES - Senior Search Consultant**
Perth WA.

Professional/executive recruitment for the mining and oil/gas industries.

January 1974 - February 1981 **DRESSER MINERALS INT. INC. - Manager Australian Branch** Port Hedland WA (1975-81)

Management of an open pit barite mine and remote camp at North Pole (160 km SE of Port Hedland), and a drilling mud grinding and packaging plant in Port Hedland. Reporting to Vice President, Houston, Texas.

January 1973 - December 1973 Self employed - recovering and repairing crashed light aircraft, Florida, USA

March 1970 - December 1972 **SURALCO DIV. OF ALCOA - Assistant Mine Superintendent**
Suriname, South America.

Management of production and/or new mine development in a three million tonne per year bauxite mine and crushing / shipping operation

February 1968 - March 1970 **CHILE EXPLORATION CO. - General Shift Foreman**
Chilex, Div. of Anaconda, Chuquicamata, Chile.

Hands on supervision of open cut copper mine moving 90,000 tonnes per shift with 15 shovels loading rail and truck haulage.

June 1966 -
January 1968

**NEW YORK & HONDURAS ROSARIO MINING CO. -
Junior Mine Engineer (1 year), Metallurgist (6 months),
Honduras, Central America.**

Underground surveying of 40 stopes and development headings, including drafting of all mine maps. Metallurgical testing of ores and plant scale experimentation in a 750 tonnes per day lead-zinc flotation - silver cyanidation mill.

Prior to 1966

Summer and short-term employment with Amax, Colorado Highway Department and Stearns-Roger Corporation.

**Memberships of
Professional
Associations**

Fellow AusIMM (Chartered Professional), Society of Mining Engineers of AIME, Colorado School of Mines Alumni Association, W.A. Mining Club.

Certificates held

WA Quarry Manager's Certificate of Competency,
FAA Commercial Pilot's License and Australian Private Pilot's License (Night VMC),
Certified Engineer in Training, State of Colorado.
Senior First Aid Certificate (current) - St. John Ambulance Australia.
Evaluation, Design and Operation of Heap Leach Projects, SME of AIME.
Heap and Dump Leaching Workshop Course, Aust. Mineral Foundation Inc.
Principles of Surpac (five day course 12/00)
MARCSTA gen. induction # 2-01734 (11/02)

Hobbies

Hunting, fishing, flying, bridge, travelling, automobile/aircraft restoration and bee keeping.

References available on request.

SIGNIFICANT MINE CONSULTING BY TERRA-SOURCES SINCE 1987

- OUTOKUMPU W.A. - Forrestania Nickel project - Management replacement, supervising two declines and one open pit.
- CROESUS MINING N.L. - Daveyhurst Gold Project - Relief manager, supervising mining operations and development.
- BHP ENGINEERING - Mine Pit Design (five stages) for a 30-year life iron ore mine in Iran.
- RUTHERFORD RESOURCES PTY. LTD. - Project Evaluation, Mine Design and Government Permitting of a 230,000 tonne heap leach gold project.
- LONGMAN MJ. AND ASSOC. - Financial Evaluation of a mining project - Mine planning, Metallurgical Assessment and Preparation of Notice of Intent for a small heap leach gold mine.
- FREEPORT - McMORAN AUST. LTD. - Replacement Management and Mine Start Up at Bow River Diamond Mine.
- MACKAY AND SCHNELLMAN PTY. LTD. - Evaluation of Mining Methods at open pit and underground gold mines for various clients.
- MOUNT EDON GOLD MINES LTD. - Contract mine manager at Nevorlia Gold Mine during change of management.
- WESTERN INDUSTRIAL MINERALS PTY. LTD. - Removal of pearlite insulation from one side of one tank of a LNG ship in Singapore dry dock for inspection purposes.
- CAMON MANAGEMENT PTY. LTD. - Bulk Sampling of an alluvial gold prospect in the Northern Territory.
- MACMAHON CONSTRUCTION PTY. LTD. - Replacement Management at the Orebody 25 Mine, Mt Newman.
- PRIMA RESOURCES N.L. - Project planning and Notice of Intent for a Gypsum Mine at Lake Tay, and various other mine related projects.
- JOHN McSWEENEY AND ASSOC. - Evaluation of an alluvial gold and diamond province in Hunan, Central China.
- HENRY & WALKER CONTRACTING PTY. LTD. - Reg. Quarry Manager and Earth Moving Supervisor for the closure of the Koolan Island iron ore mine (owned by BHP).
- SANDRINGHAM HOLDINGS PTY. LTD. - Mine management services during development of McCameys Monster Mine at Mt Newman.
- JOHN DUNLOP AND ASSOC. - Contract management at the Yilgarn Star Pit and several mine pit designs.
- GONDWANA RESOURCES N.L. - Evaluation of a minority share interest in a JV (gold mining project).
- YOUNGS EARTHMOVING - Reg. Quarry Manager and Foreman of mining operations at Wodgina Tantalite Mine.
- WALHALLA MINING N.L. - Supervision during start- up, heap leaching of gold ores at the Amelia Mine in Sonora Mexico.
- ASARCO GOLD PTY. LTD. - Management Replacement at the Wiluna Gold Mine.
- SONS OF GWALIA N.L. - Registered Quarry Manager and Mine Planning - Supervision at the Barnicoat Heap Leach Proj.
- MICRON RESEARCH PTY LTD - Evaluation of a 40 000 km² gold tenement in Kazakhstan with alluvial gold and tailings production potential.
- NORMANDY MINING LTD - Replacement Mine Supervisor for the Cuddingwarra Gold Project (Cue, WA)
- MATRIX METALS LTD - Temp. Mine Supt./ Relief Mgr. for the restart of mining operations at Mt.Cuthbert, Qld.
- HARMONY GOLD - Big Bell Gold Mine - Temp. Surface Mine Manager for the 1600N open pit.