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## **CAPABILITIES STATEMENT**

### **Dallas Michael COX**

### **MINING ENGINEER**

Broad range of experience in open pit mine technical services, mine operations and management including:

Immediate focus on business development for consulting mining engineering and project management services in China, Mongolia, and the Philippines

Pit optimisation, multiple staged pit design and waste dump design

Mine and process scheduling using spreadsheets, databases and MEDS/MineSight IGP

Budgeting, Forecasting and Cost control using MS Excel

Development studies and mine construction for small gold mining operations

Production management and contract mining administration

Senior Mine Management and Project Management

Large open pit mine operation Life of Project scheduling and financial evaluations

Training national mining engineering staff

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Professional Affiliations: AusIMM and IEPNG

Licensed Software User: MineSight/Medsystem consulting license  
Garnsey Mining Consultants Mine Scheduler

# RESUME

## Dallas Michael COX



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**Education** 1984 - 1986 Mining Engineering Kensington NSW  
1981 - 1983 Civil Engineering p/time Newcastle NSW  
1979 - 1980 PEB Matriculation Paradise SA

**Qualifications** 1991 Quarry Manager's Certificate WA  
1990 First Class Mine Manager's Certificate QLD  
- Metalliferous Open Cut  
1986 BE (Min) University of New South Wales NSW

**Professional Affiliations** Member: Australian Institute of Mining and Metallurgy  
Member: Institute of Engineers Papua New Guinea

**Professional Experience** Jul 2004 - present **Crystal Sun Consulting**  
Principal Contract & Consulting Mining Engineering

### Feb 2007 – current

- **Platinum Group Metals Corporation (unlisted)**  
Caga Project, Surigao, Philippines: Review of Nickel laterite project, feasibility study and resources/reserves

### Dec 2006 – Feb 2007

- **Rusina Mining (ASX, AIM)**  
Acoje Project, Zambales, Philippines: Assisting project team in with resource/reserve estimation methodology. Preparation of data for project development scoping study

### Oct 2006 – Dec 2006

- **Geograce Resources Philippines Inc (PSE)**  
Peak Tower, Manila, Philippines: Assisting acquisition team with information management systems and preliminary assessment of several gold, copper and nickel prospects in the Philippines



#### **Aug 2006 – Nov 2006**

- **Filminera Resource Corporation / Thistle Mining PLC (TSX)**  
Masbate Gold Project, Masbate Island, Philippines: Assisting the project management team with Phase A Detailed Design- detailed mine planning, fleet selection and scheduling

#### **May 2006**

- **Resource Base Limited (unlisted)**  
Broula King Project, Bumbaldry, NSW: Project assessment, Pit Optimisation, Evaluation and Design

#### **Apr 2006 – Jun 2006**

- **Rapu Rapu Mining Limited / Lafayette Mining Limited (ASX)**  
Rapu Rapu Project, Albay, Bicol, Philippines: Consultant Manager Mining-guidance/coordination of Contract Mining Administration functions and Contract dispute resolution (unsuccessful)

#### **Mar 2006 – current**

- **Avocet Mining Limited PLC (AIM)**  
North Lanut Gold Project, North Sulawesi, Indonesia: Evaluation and design of conceptual Life of Mine Waste Storage options. Pit Optimisation, Mine Scheduling and Budget preparation  
Bakan Gold Project, North Sulawesi, Indonesia: Preliminary assessment of regional prospects

#### **Nov 2005 - current**

- **Luzon Minerals Limited (TSX)**  
Amayapampa Gold Project, Bolivia: Review of Technical Reports and Feasibility Studies on behalf of Republic Gold. Cost Modelling, Pit Optimisation, Fleet Selection and Project Evaluation

#### **May 2005 – Apr 2006**

- **Afcan Mining Corporation (TSX)**  
Tanjianshan Gold Project, Qinghai, China: Manager Mining (pre-production) Supervision of initial development of mining operations, human resourcing of mining team, Mining Contractor evaluation, Pit Optimisation, Mine Design, Mine Scheduling & Owner Miner Fleet selection/sourcing. Competent Person for reserve estimation.

#### **Mar 2005 – Mar 2006**

- **Polymetals Mining Services Pty Ltd (unlisted)**  
Boorara Gold Project, WA: pit optimisation of three gold deposits  
Mt Boppy Gold Mine, NSW: pit optimisation, mine scheduling, planning and Load & Haul simulation  
Drew Hill Project, NSW: White Dam Pit design and scheduling



**Feb 2005 – ongoing**

- **Republic Gold Limited (ASX)**  
Northcote and Tregoorra Projects, QLD: prefeasibility pit optimisation, pit design and scheduling

**Jul 2004 – Jan 2005**

- **Giants Reef Mining Limited (ex ASX)**  
Tennant Creek regional prospects, NT: scoping studies for satellite open pits  
Edna Beryl Mine, NT: planning/project management for dewatering pipeline  
Malbec West Open Pit, NT: Project Development Manager for project evaluation, mine design, contractor procurement and contract supervision and administration

**Jun 2004**

- Developed business plan and set-up Crystal Sun Consulting

**Aug 1999 - Jun 2004**  
**Senior Mining Engineer**

**Placer Dome Asia Pacific Ltd (TSX)**  
Porgera Gold Mine: Enga Province, PNG  
Large Open Cut and Underground Gold Mine

- Reporting to Mine Technical Services Manager/Chief Mining Engineer
- Supervision of the Mining Engineering staff- supporting Open Pit Production Teams with operating plans, forecasts and key performance indicators
- Project Manager for Strategic Business Planning Process
- Long Term Project Planning- Scheduling and cost estimation
- Multiple Stage Pit and Waste Dump optimisation and design
- Training PNG national engineering staff
- Development of Mine Technical Services Engineering operating procedures
- Resigned to pursue a career in the contract and consulting mining engineering arena

**Jul 1997 - Jul 1999**  
**Manager Mining**

**Perseverance Corporation Ltd (ASX)**  
Fosterville Gold Project: Fosterville, VIC  
14 Small Open Cuts/Heap Leach gold mines

- Reporting to Managing Director/Manager
- Supervision of Mine Department, Geology Department and Mining Contractors
- Mine Design, Planning and Scheduling- short, medium and long term
- Budgeting and forecasting- Mine physicals and site costs
- Production monitoring and cost control
- Daily, weekly and monthly reporting
- Mining Contractor monthly claim
- Supervision of mine site rehabilitation
- Liaison with local landowner groups
- Resigned due to imminent cessation of open pit oxide mining operations and an opportunity to work at Porgera, PNG



**Dec 1994 - Jun 1997**  
**Manager/Supintendent**

**Perseverance Corporation Ltd (ASX)**  
Bailieston Gold Project: Bailieston, VIC  
1 Small Open Cut/Heap Leach gold mine

- Reporting to Managing Director
- Project feasibility study and operation permitting process
- Construction and project development manager
- Supervision of Mining, Geology, Process and Administration sections
- Supervision of Mining Contractor
- Chairman of Environmental Review Committee
- Liaison with Community and Landowner groups
- Liaison with local government and statutory authorities
- Production and environmental monitoring
- Site cost control
- Management of mine closure and site rehabilitation process
- Transferred to the Fosterville Gold Project following the imminent cessation of mining and rehabilitation phases

**Jun 1990 - Nov 1994**  
**Senior Mining Engineer**  
**Mining Engineer**

**Placer Pacific Ltd (ASX)**  
(2) Misima Mines: Misima Island, PNG  
(1) Granny Smith Mine: Laverton, WA  
Medium/Large Open cut gold mines

- Reporting to Mine Superintendents
- (2) Supervision of PNG national engineering staff
- (1) Relief pit supervision and mine dewatering
- Provide technical support and guidance for mine production operations
- Database systems development- contractor claim, production statistics
- Geology modelling, resource estimation and pit optimisation
- Mine Design- (2) Kulumalia and Ewatinona pits  
(1) Goanna B and Childe Harold pits
- Feasibility Studies- (2) Ewatinona and (1) Childe Harold projects
- Short, medium and long term mine scheduling
- Resigned due to lack of career progression opportunities within the company

**Jul 1987 - May 1990**  
**Mining Engineer**

**Queensland Nickel Pty Ltd (ASX)**  
Greenvale Nickel Project: Greenvale QLD  
Multi-pit Open Cut laterite nickel mine

- Reporting to Mine Superintendent
- Supervision of Surveying, Drill and Blast and Sample crews
- Database system development for Mine scheduling, Drilling and Operation Manning
- Short term production scheduling/ore blending and blast pattern design
- Blasthole Grade Control & Reserve Estimation
- Monitoring and control of Drill bit and explosives usage
- Pit production supervision
- Equipment operation- Haulpak 50t, D40K drill and 16G Grader
- Relief Mine Superintendent
- Resigned due to commencement of rundown of production to mine closure



**Jan 1981 - Jun 1987**  
**Graduate Engineer**  
**Engineer Trainee**  
**Shiftman**

**BHP Pacific Collieries Pty Ltd**

- Pacific Colliery (PC), NSW  
- John Darling Colliery (JDC), NSW  
- Stockton Borehole Colliery (SBC), NSW  
- Lambton B Colliery (LBC), NSW  
(all underground coal mines)

- Reporting to Undermanager/Mine Deputies
- Full Time Study- University of New South Wales 1984 - 1986
- Part time Study- University of Newcastle 1981 - 1983
- Undermanager's assistant- 1986/1987 JDC and PC longwall changeouts
- Dbase development programming for a Longwall changeout tracking system: PC
- Dbase development programming for SBC maintenance history database system
- Shuttle car and Longwall operation experience: PC - 1981 to 1983
- Rock bolting, timbering, bricklaying and pumping: LBC & SBC - 1981 to 1983
- Resigned due to imminent closure of Newcastle UG coal mines and opportunity to gain experience in open cut mining



**Technical Skills** MineSight/Medssystem  
GMC Mine Scheduler (beta)  
Vulcan (pre '94)  
Whittle 4D (pre'94)  
AutoCAD  
MicroSoft Word/Excel/Access/Project

**Referees** **John Kelly**  
Managing Director  
Republic Gold Pty Ltd  
Mob +61 418 577759

**Mike Johnston**  
V.P. Corporate Development  
Nautilus Minerals  
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**Chris Roberts**  
Director  
Perseverance Corporation Ltd  
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Dallas Cox  
28 February 2007