### Julie Schumacher

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Albany Creek, QLD, 4035 Mobile: +61 421 648 202 Email: julie@enviromine.com.au Website: www.enviromine.com.au

Objective: To gain further employment and further experience within the mining

environmental fields.

**Education:** Brisbane North Institute of TAFE Brisbane, QLD

> **Diploma in Accounting** (Current Study) 2011

PO Box 549

Brisbane, QLD

University of Queensland (UQ) Brisbane, QLD

**Masters Mineral Resources (Environment)** 2009

University of Queensland (UQ) Brisbane, QLD

**Graduate Certificate in Mineral Resources (Environment)** 

**Career Goals:** 

My mining and consulting background has provided me with an interest in mine land rehabilitation which is why I recently completed an Environmental Masters with the Sustainable Minerals Institute at UQ.

I have a keen interest in the environment, particularly in regard to mining and enjoy challenging work situations. Having worked in some sensitive mining areas I am eager to further develop my environmental experience and skills whilst having a particular interest in mine water quality, rehabilitation, vegetation research and surveys and environmental modelling.

## **Expertise:**

- Environmental modelling acoustic (SoundPlan), drill and blast modelling for mining, construction and development planning
- Environmental monitoring water quality, dust, acoustics, blast vibration and overpressure
- Vegetation surveys/monitoring, plant identification and research
- Mine design using MineSight, Datamine and Surpac
- Drafting of mine designs and environmental plans utilising Microstation, Autocad, Autodesk Civil 3D, ArcGis and Corel Draw
- Other software packages Surfer, Phreegc, Blastmate, Expert GPS, Google Earth, Adobe Photoshop, Microsoft Office Suite

**Experience: Enviromine Pty Ltd** 

July 2007 to Present Consultant

- Environmental monitoring and reporting
- Environmental plan preparation
- Mine design and drafting
- 3D graphical presentations and fly throughs

- Acoustic modelling (SoundPlan) for mining, construction and development planning
- Vibration modelling for mining, construction and development planning (mining and quarrying, recent tunnelling projects i.e. Clem 7)
- 3D drill and blast designs for civil projects (Hong Kong Area Treatment Scheme, Binga Dam Hydro Project)

### **AMC Consultants**

Brisbane, QLD

#### **Senior Mine Planner**

April 2002 to June 2007

- Mine design and drafting for mine feasibility studies
- Sand mine tails balances
- Preparation of mine clearing and rehabilitation plans
- Promotional material preparation
- 3D graphics and graphical fly throughs
- IT support

# Texcel (formerly Blastronics)

Brisbane, QLD

### **Technical Support**

May 1998 to April 2002

- Drafting of designs (bridge plans and monitoring instrumentation, mine blast designs etc.)
- Environmental monitoring (blast overpressure, vibration and acoustics) and statutory reporting
- Limited drill and blast supervision
- Datamine and Surpac design work for individual blast modelling projects
- Design and preparation of marketing, promotional and contract material
- Technical support for engineers
- Instrumentation manual preparation and design
- Report and library database implementation and maintenance

### **Northparkes Mines**

Parkes, NSW

### **Draftsperson / Technical Assistant**

April 1994 to April 1998

- Drafting and design of underground plans and "Approved for Construction" drawings in Datamine and Autocad
- Collation of mine cave and undercut progression
- Preparation of diagrams for environmental and farming related plans for inclusion in the MREMP and other statutory environmental reports
- Graphics for board presentations and other promotional material
- Computing support and training of others
- Plan database implementation and maintenance
- Environmental monitoring blast noise and vibration, water sampling, dust sampling and acoustic surveys and monitoring
- Training and supervision of casual staff

### Northparkes Mines

Parkes, NSW

Environmental Assistant (3 mth contract) January 1994 to March 1994

 Data collection and collation of environmental data for the first annual MREMP report for the mine project

- Implementation of environmental monitoring programs blasting vibration and overpressure, noise, water quality and dust monitoring
- Environmental monitoring, data analysis and presentation
- Communication and liaison with surrounding landowners and contractors

Rio Tinto Exploration (CRA Exploration)

Cobar & Orange, NSW

Technical Adminstrator

July 1991 to December 1993

- Establishment and maintenance of administration registers and databases
- Tenement reporting
- Accounts payable and reporting
- Liaison with mine, town and pastoral personnel
- Data entry, word processing and proforma worksheets and databases
- Drafting of annual tenement plans / geological plans
- Maintenance of office and field supplies

Rio Tinto Iron Ore (Hamersley Iron)

Tom Price Operations, WA

Praftsperson

Tom Price Operations, WA

February 1984 to March 1991

- Digitising of pit plans and designs for conversion into CAD (Eagle -Caddsman)
- Inter CAD work (Caddsman and Datamine), data transferring and programming
- Design and implementation of photogrammetric surveys for mine stability control
- Reporting of pit performance statistics
- Manual and CAD drafting of geological and engineering plans, final designs, monthly and quarterly review plans
- Office drafting and computer inventory maintenance

**Publications:** Freeman A., Schumacher J., Gillespie M., Gravina M., Doley D., Smith P.,

(2011). Responses of the endangered orchid Phaius australis to

mining-related water table fluctuations. Proceedings of the Royal Society

of Queensland (Corrected Proof, In Press). Submitted June 2011.

**References:** Available upon request