

## Julie Schumacher

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**Objective:** To gain further employment and further experience within the mining environmental fields.

**Education:** Brisbane North Institute of TAFE  
**Diploma in Accounting** Brisbane, QLD  
(Current Study) 2011

University of Queensland (UQ) Brisbane, QLD  
**Masters Mineral Resources (Environment)** 2009

University of Queensland (UQ) Brisbane, QLD  
**Graduate Certificate in Mineral Resources (Environment)** 2007

**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, Phreeqc, Blastmate, Expert GPS, Google Earth, Adobe Photoshop, Microsoft Office Suite

**Experience:** Enviromine Pty Ltd Brisbane, QLD  
**Consultant** July 2007 to Present

- 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

