

CURRICULUM VITAE

GENERAL

<i>Name:</i>	Bianca Pietrass-Wong	<i>E-mailAddress</i>	Bianca.Pietrass@hotmail.com
<i>Date of Birth:</i>	21 st November 1978	<i>Nationality:</i>	Australian
<i>Contact:</i>	42 Bulong Rd, PO Box 91 Cooma NSW 2630 Ph: (02) 6452 2443, 0404 517 575	<i>Sex:</i>	Female
		<i>Marital Status:</i>	Married with 1 son (5 yrs. old).

CAREER SUMMARY

Mining, Exploration and Contract Geologist with extensive technical and field experience in Australia, from project generation, field supervision and production geology (i.e. open pit and underground) through to resource estimation covering precious metals and base metals.

PRINCIPAL CAPABILITIES

Contract Geologist

- ✓ The preparation of Mines Department statutory reports (especially NSW, QLD, NT).
- ✓ Assisting with the researching of Open File and other technical reports in the selection of new projects or the preparation of literature reviews.

Exploration Geologist

- ✓ Routine exploration work in gold, base metals, copper and tin prospects.
- ✓ Supervising drilling programs (i.e. extensive Aircore/RAB/RC Chip and core logging/processing experience).
- ✓ Designing, establishing and maintaining numerous databases.
- ✓ Monitoring and analyzing quality control (QA/QC) for numerous projects.
- ✓ 3D modeling and wireframing (i.e. Micromine, Surpac, Vulcan) and solid generation for preliminary grade/tonnage estimations. Training other staff on the use of the software programs.
- ✓ Report writing for submittal to the NSW, QLD and NT Mines Departments. Also specific reports such as REF's (Review of Environmental Factors), Surface Disturbance Notices and Renewal Justification Statements.
- ✓ Researching past exploration (i.e. vacant or land in moratorium) or over new or tenements of interest.
- ✓ Tenement management (i.e. reporting requirements, rate payments, leases renewals/relinquishments etc.).
- ✓ Liaising with local councils and land owners.
- ✓ Training new staff how to use various computer software programs, data management and collection procedures and geological duties.
- ✓ Establishing new protocols and Safe Work Practice's (SWP's), and helping to update and improve safety management procedures. Also implementing new procedures to improve various aspects of exploration.
- ✓ Drafting of flow sheets etc. and managing all photography.

Mining Geologist – UNDERGROUND

- ✓ Production geologist (i.e. face sampling & mark ups, mapping, supervisions of air leg stopes, production drives and declines, drilling of diamond core & stope blast-hole patterns).
- ✓ Underground development work (i.e. sludge drilling, geological/structural mapping of air leg stopes, declines and ore/development drives).
- ✓ Core Work (i.e. orientation, mark-up, logging, cutting, sampling, photographing, storage and saw maintenance).
- ✓ Computer Geology using Vulcan, Micromine and Surpac (e.g. production plan generation, digitizing etc.).
- ✓ UV Florescence Work (i.e. sample collection underground and data interpretation).
- ✓ Safe Work Procedures (i.e. editing SWP's as well as writing/generating new SWP's).
- ✓ Training (i.e. of new employees in geological work and database management).

- ✓ End of Month Costs (i.e. invoicing, balancing diamond drilling costs with the contractor).

Mining Geologist – OPEN PIT

- ✓ Production geology in greenstone gold deposits (i.e. ore mark-ups & spotting, blast hole sampling and logging, flitch plan generation and designing grade control drill holes).
- ✓ Lateritic nickel grade control work (i.e. ditch witch set out, sampling and logging).
- ✓ Mine development and exploration drilling (i.e. contractor supervision, RAB and RC sieving, sampling and logging).
- ✓ Geological mapping.
- ✓ Surveying (i.e. helping with mark ups, drill hole set outs and blast hole set outs).

EMPLOYMENT & WORK EXPERIENCE HISTORY

Permanent Employment:

Firm: MMG Australia
Dates: Part-Time; March 2012 – Present.
Position Held: Computer Geologist / Contract Geologist
Supervisor: Mr. David Wallace
Ph. Number: (03) 9288 0721
Duties:

- Writing **reports** (mostly annual & relinquishment) for submittal to the NSW, QLD and NT Mines Departments on their various projects.

Firm: Malachite Resources NL.
Dates: Full Time; 16th January 2006 – January 2009,
 Part-Time; January 2009 – Present.
Position Held: Exploration Geologist / Computer Geologist / Contract Geologist
Supervisor: Mr. Mike Donnelly
Ph. Number: (02) 9251 0032
Duties:

- Working on key prospects (gold – base metals – copper – tin) in conjunction with other geologists completing **routine exploration** work.
- Helping supervise RC and diamond drill rigs on **drilling programs**.
- Extensive **core logging** (geology, geotechnical, magnetic susceptibility, specific gravity, structural) and core processing.
- Initiating and then researching and implementing the conversion from paper logging to in-field logging onto Toughbook's using the "**Coreview**" software (Surpac Minex Group), and in the process creating/generating standard logging sheets/forms and codes for each project.
- Establishing and maintaining numerous **Access databases** (i.e. one for each project) into which all geophysical, drilling, rock-stream-soil sample information is stored (geological, survey, collar and assay data).
- Establishing and maintaining a **quality control** (QA/QC) database for all projects, and then statistically (using Excel and Micromine) monitoring the precision and accuracy of the assay results received for the standards/blanks in various batches from different laboratories. Also organizing the ordering of standards and blanks for analytical testing of our samples.
- Using **Micromine** to allow viewing of our drilling information, being responsible for ensuring all new data was inputted into Micromine (i.e. validated and imported), generating solid wireframes of the ore bodies that could be used to calculate preliminary grades and tonnages, and training other staff how to use the software.
- Writing **interim and annual reports** for submittal to the NSW and QLD Mines Departments on the various projects. Also helping prepare/write specific reports such as REF's (Review of Environmental Factors) and Surface Disturbance Notices to obtain permission to perform more sensitive exploration.
- **Researching past exploration** completed on tenements of interest (i.e. vacant or land in moratorium) or over new tenements we have procured, and collating the data into a report.
- Monitoring the **management** of our tenements (i.e. when reports are due, when rates have to be paid, when leases require renewal etc.). This also includes applying for new licenses and relinquishing old tenements.

- **Liaising** with local councils and land owners (via the telephone and in personal meetings) to inform them of our exploration intentions in different areas of our tenements that affect them, and by helping to keep the community informed.
- **Training new staff** (e.g. how to use the various computer software we have within the company, core logging training etc.).
- Establishing **new protocols** and Safe Work Practice's (SWP's), and helping to update and improve our safety management procedures. Also implementing new procedures to improve upon various aspects of exploration.
- **Drafting** various data (e.g. flow sheets) and managing all photography (e.g. creating high quality core photographs of mineralized intercepts for publishing in annual reports).

Firm: NOVA.

Dates: 5th April 2005 – 6th January 2006.

Position Held: English Language Teacher/Instructor in Japan.

Supervisor: Mr. David Staggs.

Ph. Number: 054-250-2700 (Japanese Number).

Duties:

- Regular Language Teacher – Taught English to students over the age of 13 whose English ability fell within one of 8 different categories (i.e. from beginner to native speaker levels).
- Children's Teacher – Taught English to students between 4 and 12 in either KINDER, JUNIOR or SENIOR classes where the maximum student capacity was 8.
- Chibiko Teacher – Taught English to students between 2 and 4 in CHIBIKO classes where the maximum student capacity was 4.
- VOICE Instructor – Taught English within a free-speech environment where games and other such activities were conducted to involve students of multiple English ability levels.
- Demonstration Lessons – Providing demonstration lessons to potential NOVA students of different ages and English abilities.

Firm: Barrick Gold Ltd. – Plutonic Gold Operations.

Dates: 21st November 2000 – 20th August 2002.

Position Held: Underground Mine Geologist.

Supervisor: Mr. Bernie Sostak (Geology Superintendent).

Ph. Number: (08) 9981 0100.

Commodity: Underground Gold Mine.

Duties:

- Core Work – Orientation, Mark-up, Logging, Cutting, Sampling, Photographing, Storage and Saw Maintenance.
- Sludge Drilling – Logging.
- Quality Control Work – Ordering Standard Samples, the Preparation of Blank & Standard Samples, the Monitoring of Core and Standard Assays.
- Geological Mapping – Of Air Leg Stopes, Declines and Ore & Development Drives and the Digitizing of Mapping into Vulcan.
- Underground Production – Marking Up & Mapping Air Leg Stopes and Production Drives (*Drive Size, Orientation and Direction and the Delineation of Geological Contacts*), Contractor Supervision, Shift Work.
- Production Plan Generation – Plotting Face Positions, Digitizing Face Positions into Vulcan, Maintaining and Printing All Plans.
- Database Administration – Entering Survey/Assay/Lithology/Grouting/Structural Data into the Sludge and Diamond Drill Databases, Maintaining the Quality Control, Structural and End Of Month Databases.
- Database Generation – Creation of New End Of Month and Quality Control Databases in ACCESS, Updating and Improving Existing Databases, Validating old Drill Data.
- End Of Month Costs – Invoicing, Balancing Diamond Drilling Costs with the Contractor.
- Ordering – Office Supplies etc using Pronto.
- Training – New Employees in Database Management and other routine Geological Work.
- Work Procedures – Editing SWP's as well as writing/generating new SWP's.

Vacation Employment:

Firm: Homestake Gold Ltd. – Plutonic Gold Operations.

Dates: 8th December 1999 – 22nd February 2000.

Position Held: Underground Student Geologist.

Supervisor: Mr. Bernie Sostak (Geology Superintendent).

Ph. Number: (08) 9981 0100.

Commodity: Underground Gold Mine.

Duties:

- Core and Chip Logging Work.
- Sludge and Diamond Drill Program Work.
- Geological Mapping.
- UV Florescence Work – Assisting in the collection of underground florescence data and interpreting the results.
- Data Entry – Entering Survey/Assay/Lithology/Grouting/Structural Data and End of Month figures.

Firm: Bulong Operations Pty. Ltd. – Bulong Nickel Pty. Ltd.

Dates: 28th June 1999 – 23rd July 1999.

Position Held: Open Pit Student Geologist.

Supervisor: Mr. Dale Oram (Senior Mine Geologist).

Ph. Number: (08) 9093 6200.

Commodity: Open Pit Lateritic Nickel.

Duties:

- Grade Control – Ditch Witch Set Out, Sampling and Logging.
- Ore Mark Ups – Set Out, Flagging and Numbering.
- Ore Spotting – 12 Ore Destinations.
- Drill Rig Supervision – Contractor Supervision, RC Chip Logging & Sampling at Drill Site.
- Surveying – Helping with Mark Ups and Drill Hole Set Outs.

Firm: Great Central Mines Limited – Jundee Gold Operations.

Dates: 2nd December 1998 – 11th February 1999.

Position Held: Underground Student Geologist.

Supervisor: Mr. Brett McMahon (Senior Underground Geologist).

Ph. Number: (08) 9956 7025.

Commodity: Underground Gold Mine.

Duties:

- Core Work.
- Geological Mapping.
- Data Entry.
- Office File Reorganization.
- Underground Production.

Firm: Kalgoorlie Consolidated Gold Mines.

Dates: 1st December 1997 – 24th February 1998.

Position Held: Open Pit Student Geologist.

Supervisor: Mr. Andrew Pardy (Senior Open Pit Geologist).

Ph. Number: (08) 90 221 865.

Commodity: Open Pit Gold Mine.

Duties:

- Ore Mark Ups.
- Grade Control – Blast Hole Sampling and Logging.

Firm: Sons of Gwalia Ltd – Leonora Operations.

Dates: 1st February 1996 – 20th February 1997.

1st July 1997 – 23rd July 1997.

Position Held: Open Pit and Underground Student Geologist.

Supervisor: Mr. Andrew Kohler (Senior Open Pit Geologist).

Ph. Number: (08) 9037 6121.

Commodity: Open Pit Gold Mine.

Duties:

- Mine Development Work – Exploration Drill Hole Sieving and Sampling.
- Grade Control – Blast Hole Sampling and Logging, Fitch Plan Generation.
- Ore Mark Ups.
- Drill Hole Programs – Designed Grade Control Holes & Plotted Results for Fitches.
- Underground Development Work – Face Sampling, Structural Mapping.
- Core Work.
- Surveying – Helping with Mark Ups, Drill Hole Set Outs and Blast Hole Set Outs.

Part Time Employment:

Firm: Spotless Catering Services Australia (Nationwide Field Catering) Golden Mile Village,
240 Forrest Rd. Kalgoorlie W.A.
Dates: August 1997 – 1998.
Position Held: Waitress, kitchen-hand, general cleaning.
Supervisor: Bill Brown.

Work Experience:

Firm: Associated Translators and Linguists (German and Japanese).
Dates: May 1994.
Position Held: Trainee Interpreter (Accompanied interpreters on business liaisons).
Supervisor: Ria Lucas (Marketing Manager).

EDUCATION

Post-Graduate:

Institute: James Cook University – Townsville.
Dates: February 2003 – April 2005.
Degree: Master's Degree on "The Geological and Grade Continuity of the Pajingo Epithermal Gold Deposit".
Course Duration: 2 years.

Tertiary:

Institute: Western Australian School of Mines (Curtin University, Kalgoorlie Campus).
Dates: February 1997 – December 2000.
Degree: BSc. Mineral Exploration & Mining Geology, with First Class Honours.
Course Duration: 4 years.

Secondary:

Institute: Gloucester High School.
Dates: 1995 – 1996.
Achievement: Higher School Certificate.
TER Subjects: 2 unit Mathematics, 2 unit (Related) English, 2 unit Biology, 2 unit Japanese, 2 and 3 unit Agriculture.

Institute: Strathfield Girls High School.
Dates: 1991 – 1994.
Achievement: School Certificate.
Subjects: Advanced Mathematics, Advanced English, Biology, Japanese, German, Art.

ACADEMIC ACHIEVEMENTS

Post Graduate:

→ Awarded an Australian Post-Graduate Scholarship (an APA scholarship) for 3 years at James Cook University (2003).

Tertiary:

→ Awarded an Honours Scholarship with the A.J. Parker Cooperative Research Centre for Hydrometallurgy (2000).
 → Awarded the Kalgoorlie Mechanics Institute Memorial Book Prize (1999).
 → Awarded the AusIMM Mining and Metallurgical Bursary (1999).
 → Awarded the Chamber of Minerals and Energy Prize (1998).
 → Selected to represent the Western Australian School of Mines Geology Department in an advertising campaign for the university.

MASTERS RESEARCH PROJECT

This industry sponsored project investigated “The Geological and Grade Continuity of the Pajingo Epithermal Gold Deposit”. The project was based on the low sulphidation Vera South Ore Body in the Pajingo Epithermal Gold System in Queensland, and was conducted under the supervision of Dr. Thomas Blenkinsop at the James Cook University. A number of techniques were employed to investigate the geological continuity of the deposit including fractal analyses, preliminary rock mechanics, variography, contouring and detailed mapping. Geostatistical methods (e.g. variography and ordinary kriging) were employed to investigate the grade continuity of the deposit, and to calculate mineral resource estimates for the Vera South deposit.

HONOURS PROJECT

This project was conducted in conjunction with the A.J. Parker Cooperative Research Centre for Hydrometallurgy. The projects research into the mineralogy and geology of Carbonaceous Preg-Robbing gold deposits of the world was combined with research results attained by a fellow metallurgy and physics student working on the same project. The chief deposits investigated where the Paddington and Kundana Gold Mines in Western Australia, the Stawell Gold Mine in Victoria and the Post-Betze Gold Mine in Nevada, USA.

TRAINING

Licences Held: Current ‘A’ Class driver’s license

Computing Software: Microsoft Windows (XP/VISTA/8) - Advanced
 Microsoft Office (2010-2012) – Advanced Level
 Vulcan v4.5 – Intermediate Level
 Micromine v11 – Intermediate to Advanced Level
 Coreview – Advanced Level
 MapInfo v8.0 – Basic Level
 Surpac 2000 – Basic Level
 Datamine – Basic Level
 Geotech v.1.29 – Data Entry Only
 Surfer – Basic Understanding
 GoCAD – Basic Understanding
 Geostokos – Intermediate Level
 Illustrator – Advanced Level
 Photoshop CS6 – Advanced Level

Miscellaneous: Micromine 2 Day Intermediate Course (2006)
 MapInfo 2 Day Beginners Course (2006)
 Ore Deposit Models for Mineral Exploration 5 Day Course (2006)
 Red Cross Senior First Aid Ticket (expired in 2008)

MARCSTA inducted (Expired)
Safemap's Risk Analysis Course (2001)
SRK Structural Geology 5 Day Course (2002)
Portable Fire Equipment Operation with Safety Services WA (2001)
Drake Computer Training Courses – Advanced Excel, Groupwise v5.5 (2001)

INTERESTS

Sports: Bush-Walking & Hiking, Weight Lifting, Tae Kwon Do, Rock Climbing, Cycling, Kayaking.

Hobbies: Photography, Video Editing/Mixing, Travel, Reading, Gardening, Crafts, Computing.

REFEREES

David Wallace – Exploration Manager Australia
MMG (Minerals and Metals Group)
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Mr. Brett McMahon – Geology Manager
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