

Andrew Dabovich B.Sc.
Hydrogeologist
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Overview

Andrew is a professional Hydrogeologist and Environmental Scientist with over 15 years' experience working in diverse industries, including environmental, geoscience and mining with a solid understanding of hydrogeology, geology, environmental management, and earthwork engineering. He has successfully supervised large mine dewatering programs, associated compliance reporting as well as identifying environmental risks to both Government and business. Andrew is experienced and comfortable with remote field work, hydrological drill rig supervision and contractor management. His current projects include bore integrity assessments in remote parts of the Great Artesian Basin.

Qualifications

2009 B.Sc. (Geology & Zoology)
University of Adelaide

Competencies

2021 – 4WD Training (Nationally accredited)
2021 – Provide First Aid
2016 – Basic Firefighting (South Australia CFS)
2016 – Operation of vehicles in the field
2015 – Application of Chemicals Accreditation (ChemCert)
2011 – Leadership and Management Training, Melbourne Business School Mt Eliza
2010 – Section 44, Appointed Persons & Contractor Management, Dept. Mines & Petroleum W.A.
2010 – Bore & Well Construction, Australian Groundwater School
2010 – Understanding Groundwater, Australian Groundwater School
2009 – Indigenous & Cultural Awareness, Shire of East Pilbara
2007 – OZ Swim – Swim Instructor

Employment history

February 2019 – present

Hydrogeologist: Innovative Groundwater Solutions Pty Ltd.

- Oversee and execute drilling programs, field work and supervise drilling contractors.
- Perform effective bore field monitoring and sampling.
- Undertake cross checking and validation of hydrographs for the South Australian NRM covering the McLaren Vale Prescribed Wells Area (PWA) as well as the states Far North PWA.
- Ensure accuracy in collecting, interpreting and logging of drill samples.
- Supervise bore construction and development.
- Provide field sampling and collection for laboratory analysis.
- Monitor and conduct aquifer characteristic measurements (slug & pumping test).
- Provide hydrograph data verification and interpretation.

July 2016 – August 2021

Farming & Property Manager: Self-employed

- Manage three rural properties for absentee owners, including implementing farm and rural property improvements.
- Apply knowledge and experience in livestock and cattle management.
- Oversee rural fencing (mesh, plain, barbed and electric) as well as irrigation installation and repairs.

- Monitor herbicide application and spraying.
- Provide water management and water solutions as required.

April 2015 – June 2016

Project Supervisor – Green Army Program: Workskil Australia

- Oversaw the safety, welfare, training and supervision of Green Army participants on practical conservation and cultural heritage projects.
- Educated and guided 17 to 24-year-old participants in theoretical and practical conservation activities.
- Organised and facilitated a mix of practical and theoretical on-site training.
- Ensured a safe and healthy workplace through diligent implementation of the Workskil Australia Work Health and Safety Systems and monitored safety performance.
- Effectively worked in collaboration with Workskil Australia head office staff to deliver training (accredited and non-accredited) and assisted with participant assessments.

February 2013 – July 2014

Short-term Mine Planner / mine development earthworks: BHP Billiton – West Australian Iron Ore

- Designed and scheduled weekly earthwork activities for mine development projects, new work areas and new road networks, including resource allocation, project prioritisation, compliance to legislation and plan reporting.
- Led and managed earthworks crew and contractors and undertook problem solving in design work.

Key Achievements:

- Reduced lost time and planning rework by successfully incorporating three rolling plans per week into a single weekly plan. This required and encouraged customer departments to plan in advance, meet job submission deadlines and communicate openly.
- Implemented an existing online survey job management system to include the Mine Planning Department and rolling it out to customers. At no cost to the business it resulted in increased department accountability, reduced miscommunication, one click progress reports and easy access.
- Saved approximately 30% on contractor construction estimates for an environmental research facility. Researched the practical, community and corporate requirements of the project and identified an alternative construction location. Eliminated civil contractor earthworks by modifying footprint and utilising in-house equipment.
- Sensed and confirmed a frustration between planners and earthworks shift supervisors. Made time to listen and shadow experienced supervisors simply to understand their daily challenges and convey many of the planning department's design requirements. I facilitated the establishment of an open and healthy working relationship between both departments with a focus on an educational and productive 'win – win' outcome.

February 2012 – February 2013

Quarry managers certificate of competency: BHP Billiton – West Australian Iron Ore

- Acquired skills across several core mining departments, including:
 - Operation of Sandvik D90K Drilling Rig (Drill & Blast)
 - Blast pattern design, loading and setting of explosives. (Drill & Blast)
 - Mine development, traffic management and road design. (Mine Engineering)
 - Operation of CAT-793F Haul Truck (Production)

Key Achievements:

- Increased drill service truck utilisation and reduced exploration drill rig standby time simultaneously (for which I received a BHP Billiton Iron Ore Performance Award). Eliminated two to four hours of drill rig standby and escorts required during each twelve-hour shift. Outcome was a reduction of mine traffic and an approximate saving of \$4,500 per day during the six week drilling program.
- Demonstrated a thorough understanding of the Western Australian Mines Safety & Inspection Act 1994 and Mines Safety & Inspections Regulations 1995 to the Department of Mines & Petroleum board of examiners.

- Adapted to a wide range of working conditions, demonstrated my ability to absorb large amounts of information and apply the knowledge safely and effectively, recognised potential workplace hazards, and ensured safe operation of specialised industrial equipment carried out both technical and laborious tasks in demanding environments.

October 2009 – February 2012

Hydrogeologist: BHP Billiton – West Australian Iron Ore Technical Services

- Identified and prioritised potential drilling locations using 3D geological and groundwater models as part of mine dewatering programs.
- Collated field data to then produce weekly dewatering “compliance to plan” reports and groundwater contour maps.
- Presented results to management highlighting successful results and potential business risks.
- Undertook management and leadership training at the Melbourne University Business School – Mt Eliza.
- Effectively supervised safe and compliant contractor operations within a busy mining environment.

October 1998 – February 2002

Solider (Rifleman): Australian Defence Force – 51 FNQR Infantry, Army

October 1994 – October 1998

Solider (Forward Observer Signaller): Australian Defence Force – Royal Australian Artillery, Army

Professional Skills

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| • Adaptive & Constructive Leadership | • Stakeholder & Community Engagement |
| • Hydrogeology and Bore Design | • Change & Communication Management |
| • Water Management | • Continuous Improvement, Quality & Innovation |
| • Mine Planning & Development | • Budgeting & Financial Planning |
| • Environmental Conservation & Protection | • Analysis, Research & Writing |
| • Natural Resource Management | • Liaison, Negotiation & Representation |
| • Knowledge of Legislation | • Conflict Resolution & Mediation |
| • Project Management | • Cultural and Ethnic Awareness |
| • Advanced Risk & Strategic Management | • Operation and Maintenance of Equipment |
| • Compliance & Quality Assurance | • Workplace Health & Safety Standards, Auditing and Inspection |
| • Staff Management & Development | • Advanced Technical & Computer Literacy |
| • Policy Development & Implementation | |
| • Strategic Planning & Execution | |