



**Paul Magarey**  
*Senior Hydrogeologist*

### SUMMARY OF COMPETENCIES

Paul is a Senior Hydrogeologist with 15 years' experience in the groundwater and natural resources management sectors. He has specialist experience in the areas of:

- Aquifer storage and recovery / aquifer reinjection
- Groundwater supply development, geological interpretation and construction of wells.
- Mine and quarry water management
- Approvals, permitting and water licensing.

### REPRESENTATIVE PROJECT EXPERIENCE

#### **Aquifer Storage and Recovery**

*Client - City of Marion*

*Groundwater modelling and risk assessment for ASR Expansion (700 ML/annum scenario) - Oaklands Park ASR Scheme.*

*Client – South Australian Jockey Club*

*Operational Monitoring and Management of the Morphettville Racecourse ASR Scheme, annual reporting to the EPA.*

*Client – Victoria Racing Club – Flemington Racecourse*

*Project Manager of the wellfield optimization project to improve reinjection performance.*

#### **Groundwater Supply Development**

*Client – City of Burnside*

*Design, supervision and commissioning of a new water supply bore at Kensington Gardens Reserve. Yields of 10 L/s were achieved targeting a carbonaceous sand aquifer.*

*Client – Department of Planning, Transport and Infrastructure.*

*Design, supervision and commissioning of two water supply wells on the Adelaide Plains. Yields of 7 and 20 L/s were achieved targeting Tertiary Sand and Limestone Aquifers.*

#### **Mine Water Management and Approvals**

*Client - RENASCOR RESOURCES – Siviour Graphite Project*

*Mine dewatering and water supply study for the Siviour Graphite Project, Eyre Peninsula.*

*Client – Groundwork Plus (2014-2018)*

*Numerous groundwater baseline studies to support extractive mining lease applications and programs for environmental protection and rehabilitation (PEPR).*

### QUALIFICATIONS

2014: Master of Science (Ore Deposit Geology), University of Western Australia

2003: Bachelor of Science (Environmental Science), Flinders University.

### PROFESSIONAL AFFILIATIONS

Geological Society of Australia (SA Branch)

Institute of Quarrying Australia (SA Branch)

### YEARS OF EXPERIENCE

15 years in the groundwater and natural resources management sectors including 10 years in State Government (South Australia).



*"If you can't reduce a difficult engineering problem to just one A4 sheet of paper, you will probably never understand it" - R. Peck*