

Groundwater Capabilities



Western Australia's leading independent team with a proven track record in groundwater/ hydrogeology, surface water/ hydrology, auditing, contaminated land management and development projects. We combine reliable expertise with regulatory knowledge, delivering high quality output and performance on time and budget. We welcome technically challenging projects from commercial & government clients.

Groundwater/ Hydrogeology:

- Acid Rock Drainage (ARD)
- Aquifer Storage and Recovery (ASR)
- Average Annual Maximum/ Minimum Groundwater Levels (AAMGL)
- Beneficial uses/ environmental values
- Conceptual modelling
- Contamination assessments
- Dewatering design/ implementation
- Ecological Risk Assessment
- Equipment installation
- Exploration:
 - Evaluation/ permitting
 - Investigation
 - Test pumping
- Feasibility studies: Mining/ Industrial/ residential
- Groundwater Dependent Ecosystems (GDEs)
- Hydrochemical Analysis
- Isotopic analysis/ dating
- Landfill investigation
- Licensing
- Managed Aquifer Recharge (MAR)
- Modelling:
 - Numerical
 - Analytical
 - Water Balance
- Monitoring program design/ implementation
- Potable/ Process water supplies
- Reporting:
 - Borefield Monitoring Reviews (BMRs)
 - Notice of Intents (NOIs)
 - H1-3 Assessments
- Recharge estimation
- Remediation:
 - Investigation
 - Design
 - Implementation
- Resource Evaluation & Development
- Source Protection Plans
- Supervision/ management of drilling programs
- Surface water/ groundwater interaction

- Sustainable yield assessment
- Tailings Dams
- Test pumping (AS2368)
- Treatment studies
- Water Balance studies
- Wetland studies

Geology\GIS:

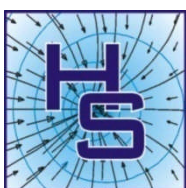
- Database implementation
- Geographical Information Systems
- Geophysics
- Interpretation
- Soil properties

Surface Water/ Hydrology:

- Catchment studies
- Monitoring program design & implementation
- Modelling
- Nutrient & Irrigation Management Plans (NIMPs)
- Open pit/ water/ dam evaporative loss
- Rainfall/ runoff/ infiltration
- Salinity studies
- Surface water/ groundwater interaction
- Urban Water Management Plans (UWMP)
- Water Balance

Also:

- **Contaminated Land**
- **Environmental (& Contaminated Site) Audits**
- **Risk Assessment**
- **Site Remediation**



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