

General Capabilities

HYDROSOLUTIONS
PTY LTD
Hydrogeological & Environmental Consultants



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/ Managed Aquifer Recharge (ASR/ MAR):
- AAMGL
- Dewatering design/ implementation
- Exploration/ Investigation/ test pumping
- Hydrochemical Analysis
- Feasibility studies: Mining/ Industrial/ residential
- Modelling (numerical/ analytical)
- Monitoring program design/ implementation
- Reporting/ NOIs/ H1-3/ Licensing
- Resource Evaluation & Development
- Supervision/ management of drilling programs
- Tailings Dams

Surface Water/ Hydrology:

- Catchment studies
- Monitoring program design & implementation
- Numerical 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
- Water Balance

Contaminated Land:

- Acid sulfate soils (ASS)
- Contaminated Site Audits
- Health & Safety Plans: WorkSafe
- Industrial redevelopment/ effluent & waste management
- Investigation
- Landfill investigation & management:
- Monitored Natural Attenuation
- Monitoring
- Remediation
- Risk Assessment

Environmental (& Contaminated Site)

Audits:

- Contaminated Site Audits: (WA Accredited CS Auditor)
- Legislative compliance
- Pre-acquisition
- Due-diligence
- Regulatory compliance
- Liability assessments
- Consultative/Public Environmental Reviews (CERs/ PERs)
- Environmental Impact Assessments (EIAs)
- Works approvals
- Notice of Intent (NOIs)

Site Remediation:

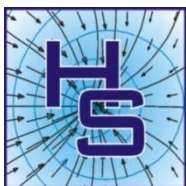
- Industrial: Waste & Effluent Management
- Minesite: Tailings Dams/ Effluent Management
- Residential: Redevelopment of Brownfields
- Site Management Plans (SMPs)
- Remedial Action Plans (RAPs)
- Occupational Health & Safety Plans: WorkSafe
- Project Management & Implementation:
- Groundwater: Active/passive

Risk Assessment:

- Qualitative
- Quantitative
- Human Health (HHRA)
- Ecological (ERA)
- Monitored Natural Attenuation

Geology\GIS:

- Interpretation
- Geophysics
- Database implementation
- Geographical Information Systems



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