

## STAFF RESUME: EN051

---

### **Career Summary**

A hydrogeologist with more than 26 years of experience working in environmental consulting marine geology and resource exploration (base metals/petroleum) in Australia. Specialises in the assessment and remediation of contaminated land and groundwater, due diligence audits and environmental management plans (EMP).

### **Key Areas of Expertise**

- Contaminated land and groundwater assessment
- 53X and 53V environmental audit support
- Groundwater flow modelling
- Contaminant transport modelling
- Due diligence auditing
- Environmental risk assessment
- Environmental management plans (EMP)
- Resource exploration (basin analysis, seismic interpretation)
- Conceptual hydrogeological model development
- Regulatory approvals
- Waste management
- Project management
- Data analysis
- Technical report writing (analytical and interpretative)

### **Professional History**

***Out-Task Environmental (February 2017 – To date)***  
*Senior Associate Hydrogeologist*

***Monarc Environmental, Melbourne (1999 – 2017)***  
*Senior Hydrogeologist / Project Director*

- Design, implementation and reporting of Environmental Site Assessments including Hydrogeological Assessments (HA) for commercial, industrial (landfills, energy supply, gasworks), residential and rural sites. Clients included power & gas utilities (APA Group, Jemena & United Energy) and public bodies such as local councils and authorities (Victorian Dept. of Treasury and Finance, Environment Protection Authority (EPA) and water authorities)
- Risk prioritisation of multi-site property portfolios
- Development of 40+ EMPs and implementation of action plans
- Planning and supervision of high volume waste water, soils and sludge disposal
- Development of Environmental Management and Health & Safety Systems & Operating Procedures
- Prepared reports, budgets and proposals, and interfaced with clients and regulators
- Project director for contaminated land and groundwater assessments
- Field and laboratory data evaluation
- Recruitment, mentorship and training

***Gas & Fuel (1989-1999)***  
*Hydrogeologist*

- Experience with the Land Remediation Department – as for Monarc Environmental above

**GFE Resources N.L. (1987-1989)***Petroleum Geologist*

- Wellsite: geological-related activities; detailed well-to-well correlation, supervision of wireline/mud logging supervision, detailed cuttings descriptions, show evaluations, coring (including sidewall) supervision and description
- Office-based: studies including well completion reports, bio/stratigraphic correlation studies, multi-vintage seismic interpretation, wireline log analysis
- Coastal engineering projects - geological services design/implement offshore seabed investigations
- Base metal exploration - field reconnaissance/mapping, geochemical/physical surveys, well site supervision
- Worked on the offshore Gippsland Basin (Patricia-1) and Pedirka Basin (SA) (Poeppels Corner)

**Arnold & Associates (1986-1987)***Occupational Health & Safety Technician*

- Ambient air asbestos fibre surveys

**Beach Petroleum N.L. (1981-1984)***Petroleum Geologist*

- Experience – as for GFE Resources above
- Worked at the Surat Basin (QLD) (Aurifer Downs-1, landra-1, Bombyanna-1), Onshore Otway Basin (VIC) (Braeside-1, Curdie-1, Curdievale-1, Lindon-1, Lindon-2), Onshore Otway Basin (SA) (McEachern-1) and the Offshore Otway Basin (Triton-1)

**Marine Models Laboratory (1980-1981)***Marine Geologist*

- Marine data acquisition - remote sensing, seabed sampling/logging, grainsize distribution analysis, database maintenance

**Pennzoil Australia Pty Ltd (1976-1977)***Exploration Geologist*

- Field geologist in base metal exploration in northwest Tasmania (Dial Ranges) western Victoria (Ararat/Mt Stavely), southeast QLD (Warwick). Wellsite logging, soil/stream sediment sampling, geophysical surveys (magnetometer & IP), site reconnaissance

**Education**

- M.Sc., Environmental Science, Monash University, 1995
- B.Sc., Applied Geology, FRMIT, 1975

**Accreditations and Certifications**

- International Association of Hydrogeologists
- Environment Institute of Australia and New Zealand
- Association of Professional Engineers, Scientists & Managers Australia
- Petroleum Exploration Society of Australia

**Training**

- Lead Auditor for ISO 14001 Environmental Management Systems, ETRS (2000)
- Groundwater modelling (MODFLOW and SUTRA), CGS, Perth (1995), Sydney (2000)
- 24-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER)
- Senior Emergency First Aid
- White (Construction) Card