



UNSW
AUSTRALIA

Water Research Laboratory

Groundwater Field Equipment

Never Stand Still

Faculty of Engineering

School of Civil and Environmental Engineering

The Water Research Laboratory has extensive field equipment for use in groundwater investigations. Equipment ranges from specific to general use, with a multitude of tools to aid in: bore design, aquifer delineation and testing, acid sulfate soil investigation, drilling and hydro-stratigraphic profiling, down-hole geophysical investigation, electrical imaging, resistivity imaging and groundwater quality testing.



Water Sampling and Testing Equipment:

- Mobile lab for accurate on-site analysis
- Small and large flow cells
- ORION EC, pH, Eh, DO, and temperature meters
- 60 & 100 m GRUNDFOS submersible pumps
- Teflon bailers and water foot valves
- Whale submersible pumps
- Single and 5 channel peristaltic pumps
- Air lifting and slug testing equipment
- Portable 240 V generators

Geophysical Equipment:

- SAS 4000 terrameter and LUND switch box
- Selection of cables and electrodes
- GEOVISTA borehole logger
- EM39, natural gamma and spectral gamma electrodes
- Heat pulse flow meter

Drilling and Coring Equipment:

- Geoprobe 7822DT
- Hand auguring probes
- Access to a range of jet, rotary and percussion rigs
- Experience with vibro-coring
- HQ minimally disturbed coring system
- Multi-port mini piezometer construction

Monitoring Probes and Loggers:

- Selection of electronic water level dip meters
- Wide selection of pressure transducers
- KENT down-hole EC probe
- Climate station including barometric pressure
- Single and dual channel HYDROKIT data loggers

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