Water Studies Centre

Analytical and Contract Research Services

Services

Water Studies Centre Analytical Laboratory

The Water Studies Centre Analytical Laboratory is a NATA accredited laboratory providing quality environmental analytical services. We are focused on providing accurate analysis, competitive pricing and personal attention to individual client needs.

We have close links with the School of Chemistry and the School of Biological Sciences at Monash University, Monash Environment Institute and the Cooperative Centre for Freshwater Ecology. Below are examples of some of our current projects

Contract Research

- Fate and ecological impact of treated wastewater from Mt Buller Resort.
- Ecological risk assessment of wastewater discharge to Derwent estuary.
- Fate and impact of treated effluent from Mt Hotham Alpine Resort.
- Health and ecological risk assessment of the Fly River, PNG.
- Fate of Boyer mill resin acids in the Derwent estuary.
- Phosphorus partitioning in suspended and bottoms sediments from Gippsland lakes.

Strategic Research

- German - Australian Alliance for the management of Contaminated Sediments.
- Development of flow injection instruments for chemical monitoring and mapping.
- Urbanisation and the ecological function of streams.

Instrumentation

Instrumentation available include

- Modern Lachat Flow Injection Analysis (FIA)
- Atomic Absorption Spectrometers
- TOC Analyser

Capabilities

We can perform analyses for a comprehensive range of analytes in most sample types including soil, water, and sediment samples

Field Site Sampling and Data Interpretation

- We have the capacity to arrange a field site sampling and monitoring program
- Backed by 25 years of expertise we can provide quality data interpretation service.

Quarantine Samples

- Permit to import goods under quarantine
- Facilities to store quarantine goods.

Waters

We can test groundwater, effluent, catchment, potable and wastewaters for the following analytes:

- Comprehensive nutrient analysis (Nitrogen and Phosphorus compounds etc.)
- Physical tests (eg. pH, conductivity, turbidity, etc.)
- Chemical tests (eg. Anions, Cations, TOC, etc)

Trace Metals

We have trace element capability with limits of detection down to parts per billion (ppb) levels.

Water Studies Centre

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MONASH UNIVERSITY

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