



MONASH
University



**Contact us for
more information**

Data needs to be collected from multiple sources to better understand human health, biosecurity and ecological threats.

How do you get involved?

The One Water Consortium is looking for partnerships from those in the community, and Australia-wide, where understanding pressures on our vulnerable water resources are a priority. We are determined to understand urban and rural impacts on water and the larger environment.

To find out more and to become part of our research family, please call or email us using the contact details page.

ONE WATER LAB:
Monash University

Department of Civil and Environmental
Engineering
G125, Living Lab, 17 Alliance Lane, Building 37
(main entrance is next to 21 Alliance Lane)

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 **ONEWATER**

**ONE WATER
LABORATORY &
BIOBANKING
SERVICES**

Take a dip





Animal interactions with water can have further reaching ramifications to human health.

THE ONE WATER LABORATORY

We provide a network of stakeholders with water surveillance. One Water Laboratory is a small ISO 9001 certified service-based laboratory within Monash University, Clayton. As the name implies, we provide a suite of water-related services including field sampling and training, biorepository facilities and water-related microbial laboratory analysis, including the analysis of animal faecal samples, soil and biosolids samples.

SERVICES

1. Environmental Monitoring

One Water offers a range of sampling services from:

- Single grab sampling
- Continuous event-based monitoring
- Training in water sampling

2. Biobank

One Water is building Australia's first water-associated biorepository. We can store material or support access to resources for future research:

- Faecal and soil samples
- Genetic Material
- Environmentally sourced bacterial cultures

3. Certified Laboratory Services

One Water's platform offers a range of genomic and molecular laboratory options for waterborne pathogens including:

- DNA extraction
- Regulatory monitoring (*E. coli*, Enterococci)
- Pathogen Surveillance (*Campylobacter*, *Salmonella*, *Giardia*, *Cryptosporidium*)
- Microbial source tracking
- Targeted quantitative PCR



Water sampling from the source

"If there is magic on this planet, it is contained in water."

- Loren Eiseley

DATA SECURITY

Research data is the backbone of knowledge generation and drives advancements in technology, health and the environment. As a core asset to your research, we are bound and protected by Monash University's strict data governance policies, ensuring your data is secure, while also encouraging collaboration between stakeholders and research partners.