



Australia's  
Global  
University

We have the capability to investigate agricultural practices leading to water quality issues and then identify cost-effective land and drainage management solutions to mitigate pollution of the environment.



On-ground UNSW investigation into groundwater quality and hydrology on a sugar cane farm.

# Management of Agricultural Water Quality Issues

UNSW Water Research Centre, School of Civil and Environmental Engineering

## Competitive advantage

- Critical mass of expertise in soil and water chemistry, hydrology and microbiology.
- Full in-house suite of modern instrumentation to measure (in)organic contaminants and pathogenic microorganisms.

## Recent research projects

- Reactive oxygen species production on oxygenation of subsurface sediments. Australian Research Council (2017-2019).
- Acid sulfate soil scoping study of the Mooball catchment. Tweed Shire Council (2014).
- New perspectives on iron oxide transformations in oxic and anoxic aqueous environments: implications for iron bioavailability and contaminant mobility. Australian Research Council (2012-2014).
- Exploiting natural processes to effectively remediate acidified coastal environments. Australian Research Council (2011-2014).

## Facilities and infrastructure

- UNSW Water Research Centre
- UNSW Water Research Laboratory



Remediation of a problematic agricultural drainage area based on UNSW investigations and recommendations.

## More information

**Professor David Waite, NAE**

Executive Director/CEO, UNSW Centre for Transformational Environmental Technologies (CTET)

T: +61 (0) 2 9385 5060

E: [d.waite@unsw.edu.au](mailto:d.waite@unsw.edu.au)

## Our experts

- **Professor T. David Waite, NAE**  
Executive Director/CEO, CTET

