

## WHY MST MATTERS

- Faecal indicator organisms (FIOs) alone cannot inform the source of contamination.
- Diffuse and intermittent pollution is hard to diagnose.
- Traditional sanitary surveys miss temporal variability.
- Investments are difficult to justify without source clarity.
- Communities expect transparency and rapid response.

**MST turns complex microbial communities into simple, actionable insights. It helps you see what's driving contamination – human, livestock, wildlife, or stormwater, so you can target the right solutions.**

## TALK TO US

Your water has a story. We'll help you read it.

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# KNOW YOUR WATER. KNOW YOUR RISK.

**Microbial Source Tracking (MST) reveals where contamination sources come from, so you can act with clarity and confidence.**

## OUR MST CAPABILITIES

Comprehensive MST capability covering sampling design, 16S rRNA profiling, microbial taxonomy and diversity analysis, catchment diagnostics, seasonal trend assessment, transparent bioinformatics, defensible peer-reviewed methods, and community-based source identification



## WHAT MST CAN DO FOR YOU

- Identify dominant faecal sources across catchments
- Quantify proportional contributions from various sources including humans, livestock, wildlife, and stormwater
- Reveal hotspots, pathways, and drivers of contamination
- Support targeted, cost-effective interventions
- Strengthen regulatory reporting and communication

## REAL-WORLD IMPACT

### Case Study: Port Phillip Bay, Australia

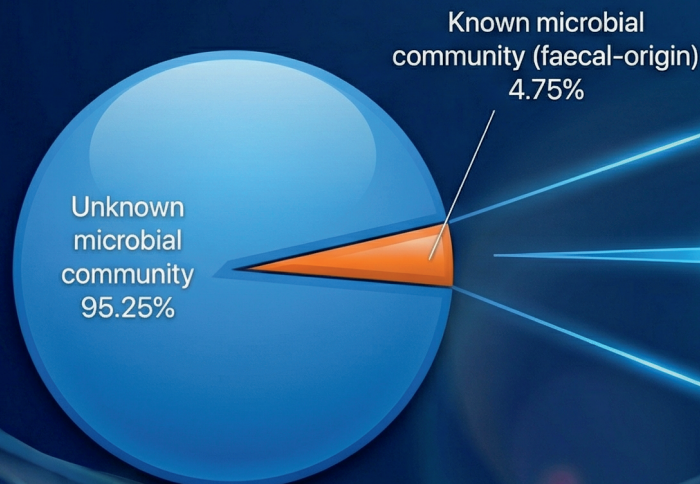
Our MST analysis helped EPA Victoria pinpoint dominant faecal sources driving exceedances and refine site-specific objectives for recreational water safety.

### EXPLORE THE FINDINGS



*Scan to see the full impact*

Microbial community contribution



Faecal community contribution (known microbial community)

