

## QUICK FACTS

**Client:** Ballarat City Council

**Location:** Smythesdale, Victoria

**Date:** 2016

**Telemetry enclosure containing:** Telemetry, data loggers, weather station.

**Phytocap containing:** Sentek EnviroSCAN Soil Moisture Probes.

**Services:** Repair, maintenance and data management.

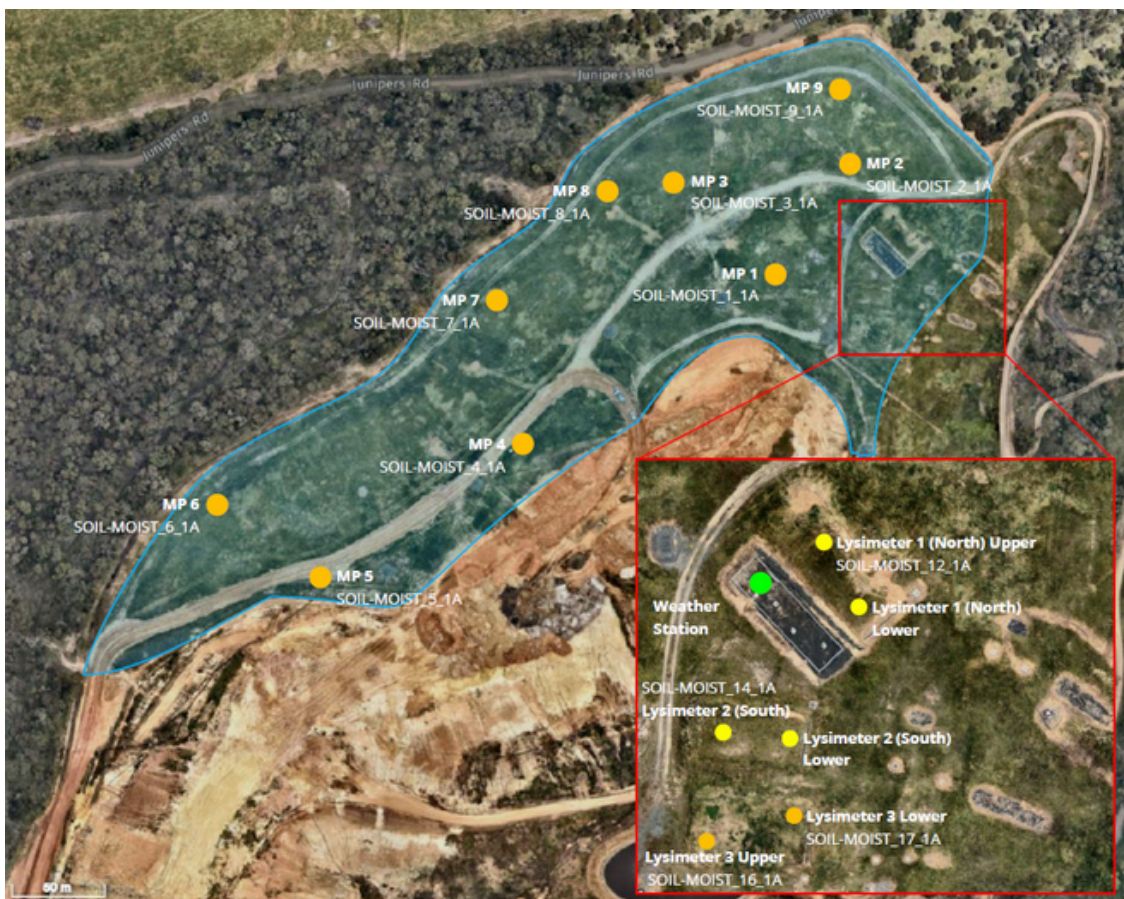
## OUR CLIENT

The City of Ballarat looks after many different areas, programs and projects for the community. An environmentally sustainable Ballarat is a key priority for the City of Ballarat and its community. This uniquely places the City of Ballarat to exert influence that delivers against the shared aspiration for a sustainable future and to bring together information from a wide range of sources to measure the environmental performance of the municipality.



## THE ISSUE

To provide technical assistance for the troubleshooting and repair of two Lysimeters on site. To implement real time monitoring of the Lysimeters and weather stations data for compliance monitoring. The Lysimeter's data was restored and routed into Datastream for future landfill data management, all historical data was restored



## HYDROTERRA SOLUTION

- Inspect all equipment on site (weather station, soil moisture probes, data loggers, tipping bucket rain gauges, etc) and its wiring, to access damage and ability to repair;
- Connect SIM card to Lysimeters GSM communication hub to check and update parameters;
- Download and back up all data in data loggers' local memory;
- Update firmware of the AML (Advanced Multi-Function Logger) and VSL's (Voltage Sensor Logger);
- Carry put the required troubleshooting, repair and cleaning of equipment.
- Connect Lysimeter to serve DataStream Server.
- Integrate lysimeter to real time data management of Datastream.



## INSTALLATION DETAILS:

- Sentek EnviroSCAN Soil Moisture Probes,
- ITC Soil Moisture Probes,
- Tipping bucket flow gauges.

## RESULTS

Following these initial works, HydroTerra has maintained a strong relationship with Ballarat City Council and continues to provide expert advice and hands-on assistance with their monitoring system.

## ABOUT HYDROTERRA

Australia's leading provider of innovative end-to-end environmental monitoring solutions and products. With 118+ global suppliers and 15,000+ products, our expert team of engineers, applied scientists, instrument technicians and electronic engineers can help find the right solution. HydroTerra aims to provide trusted advice to some of Australia's largest private and public organisations making an impact on our environment.



# HydroTerra

Environmental Monitoring Specialists