

QUICK FACTS

Client: Moremac (Pt Lonsdale Land Partners Pty Ltd)

Location: Point Lonsdale, Victoria

Date: 2015-2025

Products: Eureka Manta Multiprobe Sonde, Unidata Starflow QSD Ultrasonic Doppler Flow, Unidata Neon Remote Logger, QED Bladder Pump, ISCO Autosampler, Remote Weather Station

Services: Water Quality, Flow, Telemetry, DataStream, Surface Water Sampling, Groundwater Sampling, Groundwater Bore Installation, Stormwater Sampling, Algae Sampling, ROV Survey, Weather and Project Management.

OUR CLIENT

Moremac is a prominent Australian property developer recognised for its commitment to sustainable and well-planned residential communities. The Point, is a waterfront development located in Point Lonsdale, Victoria, within the Bellarine Peninsula. The development is designed to balance urban growth with environmental considerations, incorporating measures to manage local water systems, preserve natural landscapes, and minimise ecological impacts. The project integrates open spaces and waterways while providing modern infrastructure and accessibility to both natural and urban amenities.

The Point
POINT LONSDALE

THE ISSUE

To satisfy statutory requirements as site occupier and operator, Moremac was required to design and implement a Water Quality Management Plan (WQMP). The WQMP outlined strategies to manage water quality during and after construction of The Point. The plan focused on minimizing impact on water quality through continuous and periodic monitoring of water quality (surface water, stormwater and groundwater) throughout the engineered waterway.



HYDROTERRA SOLUTION

- To collect continuous water quality data, HydroTerra designed seven water quality and flow monitoring stations throughout the site, utilising various instruments (Eureka Mantas, Unidata QSDs) connected to telemetered data loggers to deliver data to a bespoke, integrated dashboard platform that allowed for real-time data visualisation and storage.
- To maintain instrument reliability and data accuracy, HydroTerra also designed and implemented a routine maintenance program to clean and calibrate the water quality monitoring stations as well as the onsite weather station.
- HydroTerra also implemented a quarterly water quality monitoring program, a biannual groundwater monitoring program and an event based stormwater monitoring program to supplement the continuous monitoring program.



INSTALLATION DETAILS:

- Eureka Manta Multiprobe Sonde,
- Unidata Starflow QSD
- Ultrasonic Doppler Flow,
- Unidata Neon Remote Logger,
- QED Bladder Pump,
- ISCO Autosampler,
- Remote Weather Station

RESULTS

After initial installation, HydroTerra has maintained an ongoing monitoring program with Moremac and continue to provide expert advice and quality support for their 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