



## CASE STUDY

# GROUNDWATER MONITORING PROGRAM AT QUEENSLAND ALUMINA REFINERY, GLADSTONE

### THE ASSIGNMENT

HydroTerra was engaged to conduct biannual sampling of over 90 groundwater monitoring wells in and around the alumina refinery using low flow methodology.

Both peristaltic pump and bladder pumps were used to sample the wells at varying water depths. Gauging of water level, water quality parameters and analytical sample suites were taken at most bore locations at site.

Teams completed stringent OH&S procedures and inductions across the various work zones onsite and followed Australian QA/QC standards for groundwater sampling.

### EXPERIENCED AND QUALIFIED STAFF

HydroTerra takes data collection very seriously and therefore have hired strategically to ensure our teams include qualified environmental scientists, experienced in the use of our entire suite of environmental monitoring equipment and their application.

Our teams are committed to providing the best possible service, be it promptly alerting site managers to issues they observed in the field or working the hours necessary to getting the job done.

From installing pumps deep in the snowy mountains to conducting gas monitoring surveys in the muddiest of landfills... whatever the job, whatever the conditions, we've probably done it!

### Quick facts

#### Client

Queensland Alumina Ltd

#### Date

2015 -

#### Location

Gladstone, Queensland

#### Products

Solinst 410 Peristaltic Pump

Solinst 122 Interface Meter and 102 Water Level Meter

YSI Pro Plus Water Quality Meter

Waterra Inertial Pump and Footvalves

#### Services

Low-flow groundwater sampling

Project Management

Sample Management

QA/QC Guidelines

Provision of custom iPad field forms



### To learn more:

Visit [www.hydroterra.com.au](http://www.hydroterra.com.au) for more information about our monitoring systems or contact the team directly:

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