



CASE STUDY

DEEP GROUNDWATER AND DISSOLVED GAS SAMPLING WITH DEDICATED DOUBLE-VALVE PUMPS AND DISSOLVED GAS SEPARATORS

THE ASSIGNMENT

HydroTerra were engaged by Jacobs to assist with a baseline study of groundwater and dissolved gas conditions in the Gippsland and Otway regions in Victoria

The project involved a number of innovations to produce the required data. Firstly, a custom groundwater/air partitioning system (dissolved gas separator) had to be developed incorporating dedicated double valve low flow pumps. Secondly, a unique standard operating procedures had to be developed for suma canister sampling at 1100m below the surface with partitioned damples and back calculation of total dissolved gas composition and standard groundwater quality parameters.

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

Jacobs Group Australia Pty Ltd

Date

2014 - 2015

Location

Gippsland and Otway regions, Victoria

Products

Dedicated double valve pumps
Customised well caps
Dissolved gas separator

Services

Deep groundwater sampling
Dissolved gas sampling



To learn more:

Visit www.hydroterra.com.au for more information about our monitoring systems or contact the team directly:
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