



## EDUCATION

2014 | Victoria  
University of  
Wellington (BSc)

Qualification Bachelor  
of Science (Geology)

UETTDREL14A  
Overhead Powerlines &  
CPR Training, 2017

## LANGUAGES

English

## CONTACT

0410 145 400

[matt@allgeo.com.au](mailto:matt@allgeo.com.au)



# MATTHEW SWINBOURN

Geotechnical Coordinator /  
Engineering Geologist

## PROFILE

Matthew is a practising engineering geologist working as part of the Alliance Geotechnical (AG) consultancy team. Matthew has four years' experience working as an Engineering Geologist in the Sydney Basin area and previous experience working as a Soils Laboratory Technician. This experience has given Matthew a practical knowledge of Sydney's soil and rock formations and their associated geotechnical issues.

Matthew has been involved in a range of projects, in areas ranging from infrastructure and earthworks projects to residential and commercial developments. In all projects Matthew works closely with clients to build strong communication channels and provide practical solutions to any issue that may arise.

## EXPERIENCE

### **SYDNEY WATER C/- ATLAS ENGINEERING | SYDNEY DESALINATION PROJECT AUGMENTATION, INFRASTRUCTURE UPGRADE | POTTS HILL RESERVOIR TO GUILDFORD PIPEHEAD**

- Matt planned and carried out a geotechnical and contamination investigation for a 7.2km water main (1.8m diameter), pump station, distribution camber and 50ML buffer storage tank. This project involved preparation of Safe work method statement and environmental work method statement (SWMS & EWMS), geotechnical investigation project plan (GIPP), site incident management plan (SIMP) and site safety management plan (SSMP) during the planning stage and working in closely with key stakeholders including Sydney Water, Atlas Engineering and Arup (project engineers) during the investigation.

**alliance**

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## EXPERIENCE

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### **DIONA PTY LTD | JOHNSTONS CREEK NATURALISATION | ANNANDALE NSW**

- Matt planned and carried out a geotechnical investigation including borehole drilling, Cone Penetration Testing, test pitting, installation of groundwater monitoring wells and long-term groundwater monitoring. This project involved working in an environmentally sensitive area, working in an area of high exposure to the general public and near sensitive historic structures.

### **ABERGELDIE COMPLEX INFRASTRUCTURE PTY LTD | GRAND PACIFIC WALKWAY | STANWELL PARK NSW**

- Matt conducted a Geotechnical Investigation to provide information for civil and structural design. He was responsible for pile supervision for suspended walkway and bridge abutments in difficult subsurface conditions, where pile lengths needed to be adjusted on a pile by pile basis. He performed foundation inspections, mobile crane bearing capacity assessments and produced site memorandum reports. As this project contained a significant amount of travel, Matt kept in close contact to ensure AG were always onsite when required.

### **AQUA OPTIONS PTY LTD | RIVERSTONE WASTE WATER TREATMENT PLANT | RIVERSTONE NSW**

- Matt carried out foundation inspections for the Biological Reactor, clarifiers, and pump stations, as well as mobile crane bearing capacity assessments and compaction testing. Matt liaised with the client directly to manage all geotechnical inspection requirements for the project.

### **DIONA PTY LTD | REFRESH WOOLLOOMOOLOO | DARLINGHURST NSW**

- Matt conducted preliminary geotechnical investigations involving borehole drilling and rock core testing for proposed sewer pipelines along Darlinghurst Road.

### **VEOLIA WATER SOLUTIONS & TECHNOLOGIES | POTABLE WATER MAIN UNDERBORE, POWELL AND WATTLE STREET | KILLARA NSW**

- Matt undertook geotechnical investigations involving supervision of borehole drilling on the existing road, and rock core testing for the proposed watermain underbore.