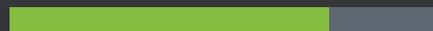




## SKILLSETS

Contaminated Land & Remediation



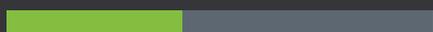
Groundwater



Waste Management



Asbestos



## MARKET SECTORS



Construction



Property



Industrial



Government



Resource



Waste Management

## CONTACT

Email

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Phone

1800 779 363

# MIKE WHITTY

## Project Environmental Scientist

Mike is an Environmental Scientist with over four years of experience in environmental consulting, with a focus on Contaminated Land management. He has been involved in many Contaminated land projects across Australia contributing to all project stages from initial inception all the way to final delivery. Mike has been involved in a wider variety of contaminated land projects including PSI's, DSI's, UST removals and validations, soil delineation, groundwater investigations, in-situ hydrogeological testing, EMR removals and EA compliance monitoring. Additionally, Mike has five years of experience as an Exploration Mining Geologist, where he gained in depth knowledge of environmental implications of mining activities and remediation. As such Mike is proficient at the management and delivery of intrusive investigation programs and investigations. Mike's academic achievements and industry experience make him a valuable member of any contaminated land and mining project.

## QUALIFICATIONS

**2009** University the Leicester / Bachelor of Science, Geology

**2016** Griffith University/ Master of Environmental Engineering

## MAJOR PROJECTS

- Department of Natural Resources and mines, Abandoned Mines Department – Wolfram Camp Environmental Site Assessment.
- Department of Natural Resources and Mines – North Stradbroke Island, Dunwich Radiological assessment
- Queensland Treasury – Environmental Site Assessment for the purpose of change of land use.
- Metro Mining – Field management of groundwater and surface water sampling as well as providing environmental support for large scale Bauxite mining development on the Cape York Peninsula, QLD.
- Queensland Based Energy Company – Various PFAS investigations
- Cleanaway – Ongoing EA condition monitoring at various waste facilities in Brisbane and northern Queensland
- Cross-river Rail – field based environmental scientist, remediation supervision and validation sampling
- Ecosure – Soil condition assessment investigation
- Austins Ferry Tasmania Pty Ltd – Environmental Site Assessment and Validation
- CR2SM Highway Upgrade – PFAS Contamination Assessment and Construction Management Plan

## AFFILIATIONS

- Member, Australian Contaminated Land Consultants Association (ACLCA)

# EXPERIENCE

## CONTAMINATED LAND INVESTIGATIONS AND/OR REMEDIATION PROJECTS

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- **Project Manager, Queensland Treasury, Gold Coast, Queensland.** Mike project managed several projects for the Queensland Treasury. The objectives of these projects were to facilitate the redevelopment and improvement of state owned land assets as well as alter the listing of a site listed on the environmental management register. Project requirements included the desktop review of publicly available records, and to conduct site visits in order to compile a robust conceptual site model. The information from the conceptual site model was then used to inform the Sampling, Assessment and Quality Plan. Aspects of these projects included delivery of a preliminary site investigation, detailed site investigation as well as the delivery of a contaminated land investigation document that required contaminated land auditor approval.
- **Project Manager, Cleanaway, Various Locations, Queensland.** Mike has project managed several investigations across Cleanaway sites within Queensland. Many projects have been the ongoing management and reporting of compliance monitoring at waste management facilities. Other project managed by Mike for Cleanaway include Environmental Site Assessments, field management of PFAS investigations and the drilling of deep groundwater monitoring bores and landfill gas monitoring wells. Tasks completed during these projects include engagement and management of exploration drilling contractors, production of letter reports for submission to Department of Environment and Science, management of multi-person field teams and completion of pre-project health and safety checks. These various projects have given Mike a thorough understanding of Environmentally Relevant Activities (ERAs) as well as the requirements of facilities operation under Environmental Authorities (EAs).
- **Project Manager, Ecosure, Brisbane, Queensland.** Mike was the project manager for a soil condition assessment investigation. An uncontrolled release of a persistent environmental contaminant occurred at the site and a soil condition survey was required to inform the rehabilitation plan for the local vegetation. Due to the nature of the contaminant and the nature of release, a thorough literature review was conducted to understand the nature and behaviour of the contaminant following release. Information from the detailed literature review was used to review and inform the originally proposed scope to fully capture the contamination status of the site. A soil, groundwater and surface water investigation was conducted at the site. Upon conclusion of the field program an environmental assessment report was presented to the client. Information in this report was used to inform the rehabilitation plan for the area.
- **Project Manager, Queensland Rail, Various Locations, Queensland.** Mike managed several Queensland Rail (QR) project revolving around ongoing maintenance of QR bridges and structures. Projects include conducting baseline and final condition assessments of sensitive environmental and human health receptors in close proximity of infrastructure upgrade projects. Project requirements include the sampling of soil and sediment of nearby creeks and soils, visual condition assessment, identification of statistical trends and production of site condition reports.
- **Field Manager, Queensland Energy Company, Queensland.** Mike was the Field Manager for several PFAS investigation projects for a Queensland based energy company. Project objectives included investigation of PFAS impacts at waste management facilities at various Queensland facilities. Works were required to be completed to assess the nature and extent of offsite impacts to sensitive receptors and determine appropriate remedial actions required. Following the completion of the initial filed program, the project requirements grew to include wide scale local sampling of landholder bores and water sources to identify impacts and risk. This included management of a program that included direct landholder and stakeholder engagement, completing water use investigations at multiple properties and carrying out sampling of various water sources. Due to the nature of this project Mike learned the importance of direct land holder and stakeholder engagement and taught him the skills required to navigate potentially sensitive situations.
- **Environmental Scientist, Property NSW, New South Wales.** Mike performed field supervision of soil delineation works associated with the removal of an underground storage tank located beneath a former ambulance facility. Responsibilities included the visual inspection and characterisation of excavated material, on site bio-remediation of impacted soils and validation sampling of stockpiled material and excavations. He also provided technical reporting for this investigation.
- **Field Environmental Scientist, CR2SM, Sunshine Coast Queensland.** Mike was responsible for many of the field-based aspects of contaminated land management associated with upgrades to the Bruce Highway on the Sunshine Coast. Responsibilities included the collection of samples from the site's groundwater monitoring network, event base surface water sampling, completion of intrusive investigations and collection of soil samples. Mike also provided construction supervision and advise during high impact activities within the investigation areas.

- **Field Environmental Scientist, Sibelco, Perth, Adelaide, Newcastle and Brisbane.** Mike completed site inspections and intrusive field investigations at four industrial sites located in Perth, Adelaide, Newcastle and Brisbane as part of a divestment portfolio. Mike's tasks included completion of soil investigation bores and groundwater monitoring well installations, and supervision of hazardous building material assessment at each of the sites.
- **Field Environmental Scientist, Stewart Family Trust, Derwent Park, Tasmania.** Mike completed site inspections and intrusive field investigations at a large commercial facility as part of a due diligence environmental assessment requested by the client's financiers. Mike's tasks included completion of soil investigation bores and groundwater monitoring well installations, and preparation of reporting for submission to the client and their financiers.

## ENVIRONMENTAL MANAGEMENT

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- **Environmental Scientist, Metro Mining, Weipa, Queensland.** Mike was contracted to Metro Mining to provide ongoing environmental monitoring and environmental management during the construction phase of a large bauxite handling facility in the Weipa Bauxite deposit in far north Queensland. Mike provided groundwater monitoring, sediment monitoring, and event-based monitoring of surface water and construction site run off. He was also responsible for providing environmental advice during construction activities regarding Environmentally relevant activities and fulfilling the requirement of the various Environmental Authorities held over the site.
- **Senior Geologist, Elensfield Coal Project, Central Queensland.** Mike provided environmental and rehabilitation management for this large-scale exploration rehabilitation program. For over four months Mike managed a multidisciplinary team of over 25 individuals to rehabilitate over 400 exploration sites. The rehabilitation work included cementing of open drill holes, earthworks, track rehabilitation, contaminated soil removal and performing downhole surveys. Mike completed the rehabilitation program successfully with no incidents.

## GEOLOGICAL INVESTIGATION

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- **Graduate to Senior Geologist, Ray Slater & Associates Queensland.** Mike was a Geologist for five years specialising in Coal Exploration. He performed several coal exploration investigations revolving around coal quality analysis, resource delineation, and resource valuations and estimations. Mike supervised exploration drilling, coal quality sampling, geotechnical sampling and logging, submission of samples to laboratory and performing Geotechnical testing for both open cut and underground mining projects. Mike helped to develop a Queensland coal industry standard for the core logging process and presented the techniques to geology students and recent graduates at the University of Queensland. He was also responsible for the training and teaching new graduates to the company.

## POSITION SUMMARY

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● 2019 - Present	Project Environmental Scientist	<b>Epic Environmental Pty Ltd</b>
● 2018 - 2019	Graduate Environmental Scientist	<b>Epic Environmental Pty Ltd</b>
● 2017 - 2018	Graduate Environmental Scientist	<b>CDM Smith</b>
● 2014 - 2015	Senior Exploration Geologist	<b>Ray Slater &amp; Associates</b>
● 2010- 2014	Exploration Geologist	<b>Ray Slater &amp; Associates</b>