

Curriculum Vitae (Brief) (March 2021)

Daniel James Dhiacou

BEng (Hons1), DipEngPrac

Senior Engineer & Technical Team Leader

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Summary Statement:

Mr Dhiacou has expertise in a range of interdisciplinary fields which cover both environmental science and engineering. His work has included preparation of advice to Local and State Government, as well as the private sector, on a diverse array of topics including: infrastructure, urban land release, environmental systems, and environmental impact and management. Mr Dhiacou has also acted as an engineering expert witness on a number of NSW Land and Environment Court cases.

Qualifications:

Bachelor of Engineering (Civil and Environmental) (Hons Class 1)

University of Technology, Sydney, 2014

Diploma in Engineering Practice

University of Technology, Sydney, 2014

Other Training:

Flooding	Advanced TUFLOW Training, BMT WBM, 2016, 2017, 2018 & 2019 Advanced 2D Hydraulic Modelling with SMS and TUFLOW, Sustainable Resources Industry Training, 2014
Groundwater	Introduction to Groundwater – Practices and Principles, Sustainable Resources Industry Training, 2016 Groundwater Modelling, Sustainable Resources Industry Training, 2016

Awards:

University Medal, Faculty of Engineering and Information Technology (FEIT), University of Technology Sydney 2014
NSW Division Medal, Institute of Public Works Engineering Australia (IPWEA) 2014
High Distinction Average Grade & First-Class Honours, University of Technology Sydney 2014
Engineering Dean's List, University of Technology Sydney 2010 – 2014
Concrete Pipe Association of Australia Prize 2012

Employment:

2013 to date

Martens & Associates Pty Ltd

Senior Engineer & Technical Team Leader

Lead engineer responsible for technical oversight of numerous flooding, traffic and hydrogeological investigations and models across Australia. Responsibilities include civil and traffic engineering, hydrology and water resources, environmental investigations and management, geotechnical investigations, GIS and mapping, environmental planning and impact assessment, hydrogeology, modelling and process simulation.

2011 to 2013

University of Technology, Sydney

Tutor & Tutoring Program Administration Assistant

Tutor for several university programs facilitating group learning in university and HSC engineering, maths and science subjects. Responsibilities included tutoring, statistical analysis, trends interpretation, program reporting, coordination and scheduling, interviewing, mentoring and training new leaders.

2010 to 2011

Marrickville Council

Student Engineer, Works Department

Responsibilities included project management, cost estimation and control, safety reporting, work-as-executed drawings, and systems maintenance.

Fields of Expertise and Competency:**Flood Engineering**

Including: supervision of flood investigations; flood forecasting and modelling; flood impact assessments; floodplain management strategies; flood risk assessments; and technical review of modelling undertaken by others.

Water and Stormwater Engineering

Including: mapping hydrological systems; hydrogeology and groundwater monitoring, modelling and management; estuarine system advection dispersion modelling; GIS mapping techniques; stormwater and drainage system design; and water sensitive urban design (WSUD).

Traffic Engineering

Including: traffic generation and impact assessment; design of traffic and road systems; parking assessments and car park design; intersection and network modelling; and vehicle swept path design and analysis.

Civil Engineering

Including: civil design such as, sub-division layout, roads, drainage and earthworks; geotechnical modelling and assessment; and design and planning of erosion and sediment control structures.