CAPABILITY STATEMENT

Liam Guest

Engineer
Water Resources

CONTACT DETAILS

0456 292 735

Tech 4, Unit 2
30-38 Innovation Dr
Dowsing Point
TAS 7010

QUALIFICATIONS

- Bachelor Science (Biology) (Hons)
- Bachelor Civil Engineering (Environmental) (Hons)

PROFESSIONAL ASSOCIATIONS

- MIEAust

Liam graduated from the University of Sydney with a Bachelor of Civil (Environmental) Engineering and a Bachelor of Science (Biology).

He joined Pinion Advisory in 2022 and has since worked across a range of water projects with clients from small business owners and contractors to government owned companies.

Liam's experience with water infrastructure projects includes the design and ongoing operational/maintenance/surveillance requirements of dams, riparian and piped irrigation schemes and pump stations.

He continues to develop skills across numerous hydraulic modelling and civil design software packages, as well as surveying and GIS applications.

Areas of expertise

- Water resources engineering
- Hydraulic modelling
- GIS and mapping
- EPANET, HEC-RAS & Bentley HAMMER modelling
- Pipeline design
- Civil 3D

Professional experience

- Pinion Advisory – Engineer – Water Resources, 2025-present
- Pinion Advisory – Graduate Engineer – Water Resources, 2022-2025
- Comdain Infrastructure – Undergraduate Engineer, 2018-2019

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Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Greater South East Irrigation Scheme (TAS)	Project engineer – concept and business case design of the irrigation scheme	Tasmanian Irrigation	2022-ongoing
Southern Midlands Irrigation Scheme (TAS)	Project engineer – concept design of the irrigation scheme	Tasmanian Irrigation	2022
Sassafras Wesley Vale Irrigation Scheme Augmentation (TAS)	Engineer – hydraulic review involving EPANET modelling	Tasmanian Irrigation	2022
Tamar Irrigation Scheme (TAS)	Engineer – hydraulic review and concept design	Tasmanian Irrigation	2022, 2024
Greater Meander Irrigation Scheme Augmentation (TAS)	Project engineer – pump sizing and pump station augmentation concept design	Tasmanian Irrigation	2023-2024
Hay Private Irrigation District Augmentation (NSW)	Engineer - modelled scheme augmentations to deliver new water entitlements and determine most efficient options	Hay Private Irrigation District	2022
Dam break analysis and ANCOLD consequence category assessment (TAS)	Consultant – modelled worst case scenario dam breaks using HEC-RAS and determined appropriate consequence categories according to ANCOLD guidelines	Various clients	2022–ongoing
Dam comprehensive surveillance inspection and reports	Comprehensive inspections and reports per ACNOLD guidelines for various farm dams around Tasmania	Various clients	2023-ongoing
Dam O&M 5 yearly updates	Update O&M manuals for Tasmanian Irrigation's portfolio of dams	Tasmanian Irrigation	2024-ongoing
Dam Intermediate Surveillance Reports and Engineering Inspections	Inspect, report on and recommend actions in accordance with ANCOLD surveillance guidelines for dams of varying consequence categories	Tasmania Irrigation	2025

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