

David Mohr



**Senior Engineer
Dams & Water Resources**

CONTACT DETAILS

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QUALIFICATIONS

- B Eng (Hons) - Agri
- M EngSc (Dams & Water)
- Grad Dip SS Tech (Surveying)

REGISTRATIONS CERTIFICATIONS

- Chartered Professional Engineer MIEAust, National Engineers Registry (#3420650)
- Registered Professional Engineer Queensland (#18969)
- Certified Irrigation Designer Irrigation Australia (#20639)

David Mohr is a chartered professional water resources and dams engineer with over 15 years' experience in the investigation, design, construction & project management. His experience with water infrastructure projects includes dams, pump stations, irrigation schemes, earthworks project, wet civil infrastructure and farm development.

David has undertaken site engineering and superintendent roles on large dams and infrastructure projects across Australia. He has led multidisciplinary teams in all levels of project assessments and design from prefeasibility, detail design and commissioning on major construction projects.

Areas of expertise

- Water resources and irrigation engineering
- Dams engineering
- Project management
- Detailed design
- Construction management and site supervision
- Business case assessments
- Wet civil design
- Hydraulic and hydrology modelling
- Irrigation scheme feasibility and development
- Water conveyance infrastructure design
- Risk engineering

Professional experience

- Pinion Advisory (Macquarie Franklin) – Senior Engineer - Water Resources, 2019-present
- A/Principal Engineer – Qld Dept. RDMW (Dam Safety Regulator), 2024 (secondment position)
- Jacobs - Water Engineer, 2017–2019
- Price Merrett Consulting - Project Engineer, 2015-2017
- Tasmanian Irrigation - Project Engineer, 2013–2015
- Enviroag, WaterBiz & Aquatech Consulting - Projects Engineer, 2008-2013

CAPABILITY STATEMENT

Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Queensland Dam Safety Regulator (A/Principal Engineer)	Seconded full-time for a seven-month period as Principal Engineer to Queensland dam safety regulator. Responsible for the review and approval of QLD regulations including failure impact assessments, annual reporting, emergency actions plans, inspections and safety reviews of portfolio of referable dams across Queensland.	Qld Dept. RDMW	2024
PBC: Stage 3 Expansion Ord River Irrigation Area	Senior engineer and project manager for investigations and options assessment to develop the expansion of the irrigation system to Northern Territory. Completed high-level options and concept engineering investigations with costings and risk for preliminary business case.	Northern Territory & MJA	2023-2024
Bowen Pipeline Company	Senior engineer and project manager for engineering investigations as part of detailed business case. Infrastructure includes 150km of pipeline, 4 pump stations & tanks	KBR & Bowen Pipeline Company	2023
Various private clients	Senior engineer and technical review of various private dam break flood assessments, including reviewing and setting modelling parameters and sensitivities of outputs and consequence category reviews. Dams ranged from Very Low to High B	DPIWE	2019-2023
Lockyer Valley Irrigation Scheme – detailed business case	Senior engineer for engineering investigations as part of detailed business case	Jacobs/ Lockyer Valley & Somerset Water Collaborative	2019-2020
Glen Hill Citrus Farm development	Owner engineer, contract superintendent and surveillance engineer for 500ha farm development project (\$40 million development). Infrastructure included storage dam, pump station and major drip irrigation development	Agricultural Capital	2019-2021
Western Irrigation Network	Project engineer for foundation customer farm development assessment and irrigation designs. Services also included project challenge design review of scheme infrastructure and costings, including earthen dam design and conveyance	Greater Western Water	2019-2020

CAPABILITY STATEMENT

	infrastructure. Review saved client over \$8M in delivered constructions works		
Bendeveon Dam design & pre-construction report	Class 1 engineering services for preparation of all engineering design requirements for 25m high earthen dam. Services included initial concept design, geotechnical investigations, embankment and spillway design, construction supervision and review and completion report	J&R Fowler	2019
Hong Kong Agri-Development Park	Specialist irrigation engineer, advising HK team with setting project parameters and concept design. Provision for project design review	Hong Kong Government – Department of Civil Engineering	2018-2019
LMA Engineering due diligence	Specialist engineer, undertaking technical asset and infrastructure assessments review of SunWater irrigation schemes	Queensland Government, Dept Water & Energy Supply	2017-2018
GMW Connections Renewal Project	Project engineer & project manager for concept and detailed design projects, both on-farm and authority-based infrastructure work. Work included the challenge design role to ensure cost effective and optimum design solutions	GMW Connection	2015-2019
South Riana Dam	Onsite dams engineering supervision and reporting on construction activities, including superintendent activities. Dam is a 15m high, embankment dam with a storage capacity of 4,100ML	Tasmanian Irrigation	2015
TI Dam Safety Engineer	Dam safety engineer while working internally at Tasmanian Irrigation. Managed a dams portfolio of 18 dams, ranging from 50m high RCC 43,000ML (extreme consequence dam) to 3m high embankment ringtank (low) dams	Tasmanian Irrigation	2013-2015
Southernfield & Melrose Dam	Project engineer, delivering pre-construction report for Southernfield & Melrose Dam, which was a 22m & 25m high earthen embankment dam (8,000ML & 3,500ML dam). Services included geotechnical review, dam break assessment and consequence category assessment, embankment and filter design, spillway design and hydrology review	Tasmanian Irrigation	2015
Swan Valley & North Esk Irrigation Schemes	Projects engineer for preliminary concept development and feasibility	Tasmanian Irrigation	2013-2014