

David Mohr



Principal Engineer Water Resources

CONTACT DETAILS

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QUALIFICATIONS

- BEng (Hons) - Agri
- MEngSc (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 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 projects.

David has undertaken site engineering and superintendent roles on large dams and infrastructure projects across Australia. He has led multidisciplinary teams in both project management and project director roles across 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) – Principal Engineer - Water Resources, 2026-present
- Pinion Advisory (Macquarie Franklin) – Senior Engineer - Water Resources, 2019-2026
- 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 - Project 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
Maryborough Recycled Water Storage	Project Manager and engineering services to develop a concept design and feasibility assessment for additional storage capacity and irrigation area for the FCRC Maryborough system.	Fraser Coast Regional Council	2024-2025
Making Water Work: South Yaamba Irrigation Project	Project Manager and engineering services to completed a visionary land use feasibility study for a greenfield irrigation scheme off the Fitzroy River, near Rockhampton. Scheme is a 4,400ML/annum scheme supplying up to 18 customers via a central pump station and pipeline network.	CRC-Northern Australia / Rockhampton Regional Council	2022-2023
PBC/DBC: 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 and subsequent detailed business case.	Northern Territory Government with MJA	2023-2025
Bowen Pipeline Company	Project manager and senior engineer for engineering investigations as part of detailed business case. Infrastructure includes 190km of pipeline, 4 large pump stations (10MW) & tanks for 84,000ML/annum scheme serving 51 outlet connections Services included feasibility and optioneering, alignment assessment, stakeholder discussion and completing reference design and associated costings assessment for DBC inputs.	KBR & Bowen Pipeline Company	2023-2024
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

CAPABILITY STATEMENT

Lockyer Valley Irrigation Scheme – detailed business case	Senior engineer for engineering investigations as part of detailed business case	Lockyer Valley & Somerset Water Collaborative	2019-2023
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 infrastructure. Review saved client over \$8M in delivered constructions works	Greater Western Water	2019-2020
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