

Bridget Lindsay



Lead Engineer Water Resources

CONTACT DETAILS

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QUALIFICATIONS

- Bachelor of Civil and Structural Engineering
- Chartered Professional Engineer (CPEng)
- National Engineering Register (NER)

COMMITTEES OR BOARDS

- Young Water Professional SA Branch – Committee Member

Graduating from Adelaide University with a first-class honours degree in civil and structural engineering, Bridget has developed a career specialising in the design and management of water systems.

Before joining Pinion Advisory (HydroPlan), she worked as a Network Supply Supervisor for Allwater, overseeing the operation of secondary treatment facilities, tanks, pump stations and truck mains for the Adelaide metropolitan water distribution system. Concurrently, Bridget managed capital and maintenance projects across sodium hypochlorite and chlorine gas facilities.

Bridget completed a graduate program in the Network Production and Planning team at SA Water, undertaking analysis and control of the operations of the metropolitan water supply system. She developed extensive experience in hydraulic modelling including simulated shutdowns and demand forecasting.

- Off-farm water system design
- Development of operation manuals
- Project management
- GIS project management
- Civil design
- Hydraulic modelling

Professional experience

- Pinion Advisory (HydroPlan) – Lead Engineer Water Resources, 2019-present
- Allwater – Network Supply Supervisor – 2016-2019
- SA Water – Graduate Engineer – 2015-2016

CAPABILITY STATEMENT

Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
East Grampians Rural Pipeline	Analysed geospatial information to inform the design and optimisation of network pipelines with consideration to cultural, environmental and topography constraints, testing amendments through complex hydraulic modelling. Lead consultant in service delivery and communications with representatives of the project owner, head contractor, and various consultants	GMMWater	2020-current
Bilyara – Kalimna Recycled Water Scheme	Reviewed the existing infrastructure and site to develop a concept plan for storage, transport of the two water sources and their integration into the irrigation systems. Developed concept plans to build a 250 megalitre plastic-lined dam on a disused airstrip at Kalimna, transfer pipeline from the winery to the new dam, and distribution to irrigation stations at Kalimna, Koonunga Hill and nearby Barossa Golf Club. Hydraulic modelling was used to assess pipeline configurations, develop efficient pumping requirements and understand how best to control the system. Compiled and submitted the development application, developed detail designs and specifications, and managed the tender process. Provided a comprehensive construction management service, bridging the gap between client and the contractor	Treasury Wine Estates	2021
Willunga Basin Water	Ongoing engineering support to Willunga Basin Water (WBW) – an agricultural recycled water network in a state of continual expansion. In addition to hydraulic modelling, developed a customised, interactive mapping tool to provide the client with access to real-time, in-field data critical to the operational management of a complex network of water assets	Willunga Basin Water	

CAPABILITY STATEMENT

Adelaide Metropolitan Water Distribution	Critical role in maintaining the optimum performance of Adelaide's drinking water supply. In addition to operating the water supply system, also undertook regular performance analysis to identify potential faults, liaising with internal teams to remediate issues. Responsible for overseeing capital projects, including the installation of chlorination systems, process control upgrades and the implementation of a new tank cleaning schedule	Allwater	
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