

CAPABILITY STATEMENT

David Thorp



**Senior Consultant
Water & Environment**

CONTACT DETAILS

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QUALIFICATIONS

- Bachelor of Natural Environment and Wilderness Studies
- Hydrography (10797 TAFE NSW)

PROFESSIONAL ASSOCIATIONS

- Australian Hydrographers Association

David has been working in the water resource sector and specialising in hydrography for the past 24 years. During this time David has managed numerous projects relating to the monitoring of stream flow and water quality information in both Tasmania and mainland river systems. Many of these projects have involved the installation of stream monitoring stations and weirs, and also water quality monitoring equipment. David is very proficient in the measurement of streamflow using a variety of water measurement technologies, particularly ADV (Flowtracker) and ADCP (current profiling).

Areas of expertise

- Acoustic doppler flow measurement technologies
- Water monitoring network - assessment and review
- Stream flow monitoring - weir construction and design
- Bathymetry surveying
- Datalogging and telemetry installations
- Water information database management
- Project management
- Building, construction, metal fabrication
- Groundwater monitoring
- Water level, rain gauge and water quality instrument installations

Professional experience

- Pinion Advisory - Senior Consultant - Water & Environment, 2022-present
- Department of Primary Industries, Parks Water & Environment – Senior Hydrographer, 2006-2022
- Department of Primary Industries, Parks Water & Environment – Strategic Water Information Coordinator (Bureau of Meteorology), 2008-2012
- Thiess Service (Tatura Office) Hydrographer, 2002-2006

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Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Strategic Water Information Coordinator (Tasmania) BoM M&E Funding Program	Coordinator for the BoM to administer their 'Modernisation & Extension of Hydrologic Monitoring Systems Funding Program' in Tasmania	Tasmanian water information collection agencies	2008-2012
Midlands Irrigation Scheme – Installation of Stream Flow Monitoring Stations	Subcontractor to Macquarie Franklin. Installation of weirs and water monitoring infrastructure and telemetry for six locations relating to the Midlands Irrigation Scheme	Tasmanian Irrigation	2013
DPIPWE Water Monitoring Network 2016 Flood Damage Assessment and Repair	Assess and identify loss of civil infrastructure and instrumentation. Project manage repair and replacement of assets	DPIPWE	2016-2017
Scottsdale Irrigation Scheme – Installation of Stream Flow Monitoring Station	Subcontractor to Pinion Advisory. Construction of the St Patricks River water monitoring weir as part of the Tas Irrigation, Scottsdale Irrigation Scheme	VEC	2019
DPIPWE Water Monitoring Network Review	2020/2021 review of the DPIPWE water monitoring network to assess accuracy of flow data for each gauging station	DPIPWE	2020-2021
DPIPWE Weirs Fish Passage project	Monitoring and design of fish passage infrastructure to assist migration of native fish across weirs	DPIPWE	2020-2022
DPIPWE Water Monitoring Network – Regional Hydrographer	Responsible for hydrographic network of 30 water monitoring stations	DPIPWE	2006-2022
Pinion Advisory - client hydrographic network 49 sites	Hydrographic data collection and database management. Rating table development. River flow monitoring design and installation.	Various	2022-current
Statewide Groundwater Sampling Program	Groundwater field work monitoring and sampling.	TasWater	2024-current