



Position description

Position Title	Surveying Student Inter
Group	Smart & Sustainable Infrastructure
Department	Networks – Spatial Services
Location	Ryrie St HQ
Position Purpose	This is a summer internship position forming part of the Barwon Water early career opportunities program. The position will deliver project support activities to the business whilst providing practical on-the-job training and skills development in the surveying industry.

We recognise Aboriginal and Torres Strait Islander peoples as the First Peoples of this nation. We acknowledge the Traditional Custodians of the land on which we live and work, and of the water on which we rely. We pay our respects to their Elders past and present.

We value the continuing cultures and contributions of Aboriginal and Torres Strait Islander peoples to our community and their ongoing connection to the land and water over many thousands of years.

We're committed to strong, meaningful partnerships with local Aboriginal and Torres Strait Islander groups to achieve positive and prosperous outcomes for all.

Organisation context

We care for our customers, community, region (our home), the environment and each other. The safety and wellbeing of employees, contractors and community members comes first. We celebrate our diversity, show respect and appreciate the unique talents and perspectives that each of us bring. We learn from and work with our Traditional Owners. We believe everyone is a leader and an entrepreneur. Together we are empowered, trusted and accountable for achieving our ambitious goals. We come to work with the courage to lean in, challenge ourselves and celebrate accomplishments big and small.

Recognising the challenges of climate change, population growth, rapid technological advancement and economic transition, we are shifting our mindset from water utility to being a leader of the region's prosperity.

Our vision for regional prosperity not only encompasses economic, social, and environmental elements, but also recreational and cultural elements, including enhancing Aboriginal values.

Organisational Purpose

- Spatial Services provides expertise and innovation in the delivery of spatial, surveying, monitoring and CAD solutions at Barwon Water.
- The Spatial Services team operates across the entire region and is responsible for delivering spatial services to support the Capital Program of Work, meet regulatory obligations, and support asset management.
- Spatial services include, but are not limited to, establishment of project horizontal and vertical control, feature and engineering surveys, topographic mapping and asset locations, service locations and proving, construction set out and as built surveys.
- Spatial Services undertake annual dam safety monitoring and groundwater subsidence surveys, as well as asset condition inspections.
- The team uses the latest surveying technology such as Leica Total Stations, GPS, digital levels, laser scanners and drones to effectively and efficiently capture data to support project and organisation needs.
- The Spatial Services team capture 3D data to record asset detail with a view to developing digital twins and BIM.
- The Spatial Services team manage the Remotely Piloted Aerial Systems (RPAS) fleet and are licensed pilots.

Organisational Relationships

Reporting lines

Reports to the Senior Surveyor.

Key internal relationships

All internal Barwon Water stakeholders

Key accountabilities

General Duties	Skills you will develop

• Assist and support the provision of: ○ Establishment of project horizontal and vertical control. ○ Engineering surveys for design of infrastructure projects. ○ Asset and feature surveys, underground service locations and mapping. ○ Topographic mapping, monitoring surveys, and level surveys. ○ RPAS surveys and laser scanning for 3D data capture. ○ Construction set out, as-built surveys, and check surveys. ○ Processing of spatial data using surveying software. • Participate in safety discussions, pre-starts, hazard identification and incident reporting. • Undertake general administration and documentation.	• Embed your theoretical understanding of surveying through practical application • Understand how surveying is used to support the water industry • Gain experience in the use of Leica surveying equipment and associated instruments • Gain experience using surveying software to process spatial data and produce outputs for clients • Learn to produce plans in CAD software • Build effective communication skills • Become a valued team member • Collaborate with other employees and contractors • Understand the importance of safety in the workplace • Understand the use of drones and application
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Contribute to optimising health, safety, environmental and quality performance at Barwon Water

Barwon Water is committed to providing a safe and healthy work environment to all employees. Employees are expected to perform their duties in accordance with the Occupational Health & Safety Act 2004 and all regulations, codes of practice and organisation policies and procedures. In addition, employees are expected to:

- Promote and demonstrate Barwon Water's high standards in relation to health, safety, environment and quality, championing a culture of safety in the workplace.
- Report unsafe work practices, incidents, hazards and near misses, and unacceptable workplace behaviours.

It is not the intention of this position description to limit the scope or accountabilities of the position but to highlight the most important aspects of your position. The accountabilities as specified above may be altered in accordance with the changing requirements of the role.

Compliance responsibilities

- Relevant laws and regulations
- Industry codes
- Barwon Water policies and procedures
- Certified management systems standards

Comply with all Barwon Water policies, procedures and guidelines including those relating to health, safety, environmental and quality performance, equal opportunity (including harassment and bullying), privacy and code of conduct.

Mandatory requirements

- Valid Driver Licence

Success profile

About you

- A second-year student undertaking a tertiary qualification in Surveying/Geomatics
- Good computer literacy, including MS Office suite
- Good communication skills
- Good analytical and problem-solving skills
- Is willing to learn and be open to new experiences and challenges
- Enjoys working outdoors in a team environment
- Can follow instruction and has attention to detail
- Organisational and time management skills
- Demonstrates resilience
- Holds a valid driver's licence
- Some experience with Total Stations and GPS (Leica experience favourable)
- Any experience with civil/survey and CAD software (12D Model/AutoCAD) is advantageous

Our Values

- Safe – We look out for the health, safety and wellbeing of ourselves, each other, our contractors and community.
- Inclusive – We celebrate diversity and the unique talents we each bring; we show respect and collaborate. We learn and work with Traditional Owners.
- Caring - We care for our customers, community, region, the environment and each other.
- Accountable - We take ownership, are trustworthy and committed to delivering outstanding outcomes in each of our roles.
- Courageous - We speak up, lean in and challenge ourselves to grow.