

Role Description

(Non Manager)



Role Title: Senior Technical Officer

Classification Level: TGO3

CHRIS Position Number: M21518

Division: Water and the River Murray

Branch/Unit: Water Infrastructure and Operations/SE Drainage Operations

Reports to (Title): Principal Land and Flows Management Officer

Our Organisation

The Department for Environment and Water (DEW) is committed to providing a highly supportive work environment that values the participation and contribution of every employee in shaping the future of the department. DEW is a high performing organisation that encourages excellence, improvement and growth at both an organisational and individual level. DEW has a flexible approach to doing business and is committed to ensuring our people have flexibility around the number of hours worked, scheduling of hours and location of work. Everything we do is underpinned by our core values and consequently we value and respect our people; we encourage active participation and leadership; we continuously seek to be better and we achieve results.

Purpose

The Water and River Murray Division is responsible for leading the achievement of the South Australian Government's priorities in relation to the use, management and conservation of the State's water resources. The Division delivers this through developing and implementing water related policies, strategies and programs; managing the State's water licensing and permitting system; leading the operation of the River Murray in South Australia; undertaking water science and monitoring to sustainably manage the State's water resources; overseeing the construction of major water related infrastructure projects; and supporting the South Eastern Water Conservation and Drainage Board and the Stormwater Management Authority. The Division has the added specific responsibility for driving the delivery of the Murray-Darling Basin Plan.

About the Branch/Business Unit

The Water Infrastructure and Operations Branch leads, coordinates and supports programs and projects across South Australia, with a primary focus on the Murray-Darling Basin. The Branch is responsible for advising on and managing the sustainable delivery of River Murray water to the State. The Branch is also responsible for the development, construction, operation and maintenance of innovative water management infrastructure and other solutions to deliver enhanced environmental, social, cultural and economic outcomes for the South Australian River Murray, the Eastern Mount Lofty Ranges, the South East Drainage Network and the Patawalonga Lake System.

The South Eastern Water Conservation and Drainage Board (SEWCDB) Management Plan has a key goal of managing the South East (SE) Drainage Network and infrastructure to retain water and manage flows to benefit primary production, connected water systems and wetlands. This requires water regimes to be sustainably managed across both the upper and lower south east through optimal management, operations and maintenance of drains, channels and flood ways.

About the Role

The SEWCDB's Management Plan has a key goal of managing the Drainage Network and infrastructure to retain water and flows to benefit primary production, connected water systems and wetlands. This requires water regimes to be sustainably managed across both the upper and lower south east through optimal management, operations and maintenance of drains, channels and flood ways.

The Senior Technical Officer is responsible in quantifying and monitoring the extent of flows entering the drainage network and exiting the network (i.e. coastal environment), and applying and communicating strategic operating principles. This requires oversight into the adaptive management of water flows using regulators and weirs across the vast 2500km drainage network. The Senior Technical Officer is required to think laterally to improve surface water management (and its interaction with groundwater systems) and apply innovation across the Region.

The Senior Technical Officer is also responsible for ensuring that statutory reporting obligations of the South Eastern Water Conservation and Drainage Act 1992, and relevant Acts are complied

Key Role Outcomes

- Hydrometric and other hydrological data is managed, processed and provided for storage on DEW’s systems, and used to ensure appropriate flows management to benefit both primary production, and the environment.
- Water surveillance stations are adequately maintained and provide relevant hydrological and surface water data.
- Timely, relevant and reliable advice is provided to the Senior Environmental Officer, Drainage Operations relating to flows and water management within the South East Drainage Network and the implementation of the Drainage & Wetlands Strategy
- Procedures for effective control of regulating structures and utilising the Flows Management Decision Support System are developed.
- Cost effective hydrographical and hydrological monitoring of seasonal flows are undertaken.
- Technical input is provided into the development of projects and policy, including representing the Drainage Operations team on water management issues within Government.

Key Relationships

- Reports to the Principal Land and Flows Management Officer, SE Drainage Operations
- Maintains a close working relationship with Manager, Drainage Operations, Drainage Operations staff and officers in the DEW Science Group Water Resources Monitoring Unit.
- Liaises with SEWCD Board members, regional Department of Environment and Water staff and Science Group staff both in Mt Gambier and Adelaide.
- Liaises with various stakeholders, community members and staff from other Government departments and scientific institutions.

Special Conditions

- May be required to participate in fire management and associated duties
- Current class “C” driver’s licence, willingness, and ability to safely operate a 4WD is essential.
- Demonstrates ability to work alone and be self-reliant.
- Apply First Aid Certificate
- May require some intra/interstate travel, overnight absences and out-of-hours work
- Boat license and Coxswain certificate (desirable).
- Located in Millicent

| Core Competencies | Elements | Behavioural Indicators |
|--|---|---|
| Shapes Strategic Thinking and changes | <ul style="list-style-type: none"> • Thinking and Acting Strategically • Leading and influencing change | <ul style="list-style-type: none"> • Raises potential options for consideration from research analysis. • Is comfortable in integrating changes within own area of responsibility. |
| Achieves Results | <ul style="list-style-type: none"> • Delivering effective outcomes • Assuming Accountability | <ul style="list-style-type: none"> • Works with key stakeholders to problem solve over coming challenges and facilitate the achievement of outcomes. • Establishes own credibility by demonstrating personal competence and technical expertise |
| Drives Business Excellence | <ul style="list-style-type: none"> • Optimising performance • Directing Resources | <ul style="list-style-type: none"> • Works collaboratively with team members to achieve team and individual goals. • Re-negotiates timeframes when unexpected issues arise. |
| Forges Relationships and Engages Others | <ul style="list-style-type: none"> • Establishing and maintaining networks | <ul style="list-style-type: none"> • Works well with others and is effective in collaborating with colleagues across the Agency. |



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| | <ul style="list-style-type: none"> Communicating and managing conflict | <ul style="list-style-type: none"> Presents information clearly in writing and verbally, in a way that is well suited to staff at all levels. |
| Exemplifies Personal Drive and Professionalism | <ul style="list-style-type: none"> Demonstrated Commitment to Learning and Development | <ul style="list-style-type: none"> Keeps abreast of relevant areas within field of expertise |

Technical, Professional/Knowledge and Experience (including qualifications)

Technical/professional knowledge

- A tertiary qualification in natural Resources, Hydrography or equivalent.
- Demonstrated knowledge and understanding of hydrological measurements, techniques, practices and methods required to select, install and maintain hydrological instruments.
- Demonstrated knowledge and experience in collecting and storing water data in electronic and hard copy formats with a range of hydrography related software
- Demonstrated understanding of the principles relating to researching and documenting technical information, and presenting it in a manner easily understood.
- Knowledge of safe boat practices along with experience in safe work practices regarding fast flowing streams and rivers
- Experience in collecting level survey data to Australian Height Datum
- Demonstrated knowledge and application of standards, legislation, policies and procedures relevant to the collection of water data.

Work Health and Safety

Lead workplace safety procedures and programs:

- Accepts responsibility for own and other's safety
- Actively participates in consultation about work, health and safety issues
- Identifies and reports hazards and identifies risk controls where appropriate

Corporate Responsibilities

- Demonstrate appropriate and professional workplace behaviours that are in line with the Code of Ethics for the South Australian Public Sector.
- Maintain a commitment to EEO, Diversity, Ethical Conduct, and record keeping within legislative requirements, according to the principles of the Public Sector Act 2009.
- Actively participate in the Department's Performance Development and Review Program.
- Demonstrate appropriate and professional workplace behaviours that align closely with the White Ribbon message.

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| DEW Branch: | Water Infrastructure and Operations | Date classified: | 30/01/2023 |
| DEW Division: | Water and River Murray | Classified: | By comparison |

APPROVED

