

Role Description

(Non-Manager)



Role Title: Hydrologist

Division: Water and River Murray

Classification Level: PO1

Branch/Unit: Water Science and Monitoring/Water Science

CHRIS Position Number: NEW

Reports to (Title): Manager, Surface Water

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 Science and Monitoring Branch provides the science evidence base for policy development and water resource management to support social, environmental and economic outcomes (including state development objectives). Key business areas include surface water and groundwater monitoring and asset maintenance; science assessment, modelling and reporting for water allocation and water security planning (including for Basin Plan implementation); statutory assessments; technical and scientific support for national and state water reform; and for support for emergency response actions.

About the Role

The Hydrologist is primarily responsible for providing professional hydrological advice and analysis by undertaking investigations, assessments and modelling using existing tools and applications. The role focuses on providing advice on matters relating to the water planning and management of the State's surface water resources, supporting projects in various surface water systems across the State including the River Murray, and providing hydrological input into key Department for Environment and Water initiatives.

Key Role Outcomes

- The Department's management of natural resources is informed with contribution to professional hydrological services.
- Organisational and project objectives are achieved through collaboration and delivery of project requirements, data, analysis, interpretation, and application of a range of relevant modelling software.
- Surface water planning and management objectives are met through contribution to the provision of sound hydrological advice.
- Stakeholders are engaged and partnerships maintained across Government and with external organisations.
- Team and DEW objectives are met with the application of professional work practices.

Key Relationships

- Reports to the Manager, Surface Water
- Receives technical direction, input and feedback from other Unit members, including Senior and Principal Hydrologists
- Liaises with a variety of stakeholders, community members and staff within DEW, other Government Departments and Landscapes SA
- Maintains close working relationships with other members of the Water Science and Monitoring Branch and across DEW.

Special Conditions

- May be required to participate in fire and flood management or associated duties.

- A current class “C” driver’s licence, and willingness to drive, is desirable.
- May be required to occasionally undertake intra or interstate travel and work outside of the normal hours of work.

Core Competencies	Elements	Behavioural Indicators
Shapes Strategic Thinking and changes	<ul style="list-style-type: none"> • Thinking and Acting Strategically 	<ul style="list-style-type: none"> • Raises potential options for consideration arising from analysis. • Can identify and articulate potential issues and implications.
Achieves Results	<ul style="list-style-type: none"> • Assuming Accountability • Making Decisions 	<ul style="list-style-type: none"> • Willingly accepts responsibility for own work. • Shows initiative in moving projects forward and dealing with potential problems. • Knows when to seek further information, clarify issues or involve others in the decision making process.
Drives Business Excellence	<ul style="list-style-type: none"> • Optimising Performance 	<ul style="list-style-type: none"> • Works collaboratively with team members to achieve team and individual goals.
Forges Relationships and Engages Others	<ul style="list-style-type: none"> • Establishing and maintaining networks • Communicating and Managing Conflict 	<ul style="list-style-type: none"> • Works well with others and is effective in collaborating with colleagues across the Agency. • Presents information clearly in writing and verbally, in a way that is well suited to staff at all levels. • Present technical information so it can be clearly understood by the audience and does not use jargon.
Exemplifies Personal Drive and Professionalism	<ul style="list-style-type: none"> • Displaying Flexibility and Resilience • Commitment to Learning and Development 	<ul style="list-style-type: none"> • Is flexible in handling changing priorities. • Adapts to new situations while maintaining achievement of outcomes. • Keeps abreast of relevant developments within their own field of expertise.

Technical, Professional/Knowledge and Experience (including qualifications)

- Tertiary degree in engineering, natural resources, science or equivalent, with emphasis on surface water hydrology is essential.
- Relevant post-graduate qualifications are desirable.
- Knowledge and understanding of catchments and river systems hydrology for application to management of water resources and provision of advice.
- Experience in collating, documenting and analysing technical information, data and GIS products, including report writing.
- Knowledge of water planning and policy, and environmental management issues related to surface water management.

Work Health and Safety

Contribute to workplace safety

- 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.

APPROVED

DEW Branch:	Water Science and Monitoring	Date classified:	25/08/2023
DEW Division:	Water and River Murray	Classified:	By comparison