



Job Description Form

Senior Manager - Measurement

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| Position Number: | 100176 | Portfolio: | Approvals |
| Classification: | Level 8 | Reports to: | Director Statewide Delivery Integration, L9 |
| Location: | Joondalup | Direct Reports: | 10 |

Description

The Senior Manager, Water Measurement leads the delivery of high-quality, reliable water data through a coordinated, statewide program that leverages regional leadership and technical expertise. The role provides strategic oversight of the Water Measurement Program, ensuring monitoring activities support the department's highest-priority water science, planning, statutory, and regional requirements.

The Senior Manager ensures the Water Measurement Plan is continually reviewed, refined, and aligned to evolving state needs, and that the state's water monitoring network operates safely, efficiently, and to best-practice standards. Through strong collaboration, adaptive planning, and effective resource management, the role delivers accurate and defensible data that underpins evidence based decision making across the department.

Responsibilities

In context of above description, the role:

- Lead the statewide Water Measurement Program, setting strategic direction, priorities, and performance targets aligned to departmental and Statewide Delivery objectives.
- Own and continually refine the Water Measurement Plan, ensuring it meets evolving science, planning, statutory, and regional requirements.
- Oversee the safe, efficient operation and maintenance of the state's water monitoring network (e.g., streamflow, groundwater, rainfall, water quality), including site selection, access, calibration, and instrument lifecycle management.
- Ensure consistent field practices, standard operating procedures, and documentation are in place and audited.
- Coordinate incident response for network outages, environmental events, and critical asset failures.
- Ensure monitoring data is accurate, timely, defensible, and accessible to support evidence-based decision-making across science, planning, statutory functions, and the regions.
- Champion continuous improvement in methods, tools, and analytics (e.g., telemetry, automated QA, dashboards) to increase reliability and value.
- Maintain a strong safety culture for field and technical operations, including risk assessments, remote work protocols, vehicle and waterway safety, and contractor management.
- Lead and develop a regionally distributed team of technical specialists and field staff, promoting collaboration, accountability, and high performance.
- Manage the program budget, staffing profile, and procurement to deliver value for money and operational resilience.
- Oversee asset strategies for monitoring equipment, vehicles, telemetry, and ICT tools, including lifecycle planning and replacement programs.
- Oversee the adoption and integration of measurement technologies (telemetry platforms, data loggers, sensors, remote diagnostics) and associated systems.



- Ensure interoperability with corporate systems and data platforms, and drive automation for data ingestion, QA, and reporting.
- Evaluate and pilot emerging technologies to enhance safety, efficiency, and data quality.
- Work closely with science, planning, statutory, and regional teams to align monitoring priorities with the department's highest-priority needs.
- Coordinate with external partners (e.g., other agencies, utilities, research bodies, local governments, Indigenous partners, community groups) for data sharing, co-investment, and site access.
- Represent the program in interagency forums and technical working groups.
- Prepare business cases, project plans, risk and performance reports, and briefing notes for senior executives.
- Report program performance, data quality, and network coverage through regular dashboards and governance forums.
- Lead continuous improvement across processes, tools, and capability, leveraging lessons learned and audits.
- Align program improvements with broader directorate reforms and digital initiatives.
- Identify opportunities to streamline operations and reduce whole-of-life costs
- Undertakes additional duties as required within the skills and scope of the position capabilities and departmental needs.

Our people, our leaders, our values

At DWER, every employee is a leader. To support this, we have established clear [Leadership Expectations](#). For this role, you will be [Leading Leaders](#). Demonstrating the expected behaviours is crucial and aligned with the role's requirements.

Our culture is shaped by our [values](#). All employees are expected to uphold equity, diversity and inclusion, work health and safety, and ethical principles in all aspects of their work. This includes demonstrating cultural responsiveness by valuing diverse perspectives and contributing to culturally safe, inclusive, and trusted services – particularly for Aboriginal people and communities.

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Work Related Requirements

Read these requirements in context of the above contents.

1. Extensive experience in the design, operation, or management of large-scale water monitoring networks, including understanding of hydrometric methods, data quality standards, safety requirements, and field operations (*You deliver on high leverage areas*).
2. Proven ability to implement and maintain best-practice processes, quality systems, and tools to ensure accurate, reliable, and defensible environmental or scientific data that supports evidence-based decision-making (*You think through complexity*).
3. Demonstrated capacity to plan, lead, and optimise statewide programs, including balancing priorities, allocating resources strategically, and aligning work programs with evolving organisational and state priorities (*You build capability*).
4. Ability to lead and coordinate regionally based technical and scientific staff, fostering collaboration, supporting capability development, and ensuring safe and efficient operations across multiple locations (*You deliver on high leverage areas*).
5. Ability to interpret complex data and technical information, review and refine scientific plans or methodologies (such as a Water Measurement Plan), and drive continuous improvement in monitoring practices (*You lead collectively*).
6. Proven experience building productive relationships with internal and external stakeholders, including science, planning, statutory, and regional teams, to ensure the monitoring program

Artwork: Developed by Nani Creative in collaboration with DWER and Wongutha artist and designer Kevin Wilson.



meets high-priority departmental needs and supports transparent, integrated decision-making (*You think through complexity*).

Special Requirements

- The department will conduct a national police check before offering employment.