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| **Cluster** | Planning and Environment |
| **Agency** | Department of Planning and Environment |
| **Division/Branch/Unit** | Environment & Heritage / Science Economics & Insights |
| **Location** | Lidcombe |
| **Classification/Grade/Band** | Environment Officer Class 7 |
| **Role Number** | Generic |
| **ANZSCO Code** | 234313 |
| **PCAT Code** | 1119192 |
| **Date of Approval** | August 2018 (updated September 2020; March 2022; May 2022; and July 2022) |
| **Agency Website** | www.dpie.nsw.gov.au |

Agency overview

Our vision is to create thriving environments, communities and economies for the people of New South Wales. We focus on some of the biggest issues facing our state. We deliver sustainable water resource and environment management, secure our energy supply, oversee our planning system, maximise community benefit from government land and property, and create the conditions for a prosperous state. We strive to be a high-performing, world-class public service organisation that celebrates and reflects the full diversity of the community we serve and seeks to embed Aboriginal cultural awareness and knowledge throughout the department.

The Environment and Heritage Group within DPE brings together a range of functions including national park management, biodiversity and conservation, climate change, sustainability, resilience and adaptation, renewable energy and energy security, and circular economy policy. The work of the Group is supported by centres of excellence in policy; science; economics; data analytics and insights.

Primary purpose of the role

Conduct environmental studies of aquatic systems using spatial and field datasets to assess the condition of catchments and aquatic systems across NSW. Provide expert analysis of spatial datasets to understand factors affecting aquatic system condition and inform management actions to protect waterways.

# Key accountabilities

* Plan, organise and implement scientific investigations, research and analysis to successfully complete projects related to water quality, aquatic ecosystem processes and aquatic ecosystem health.
* Use geographic information systems (GIS) and spatial modelling techniques to develop accurate and well-presented spatial datasets.
* Use field instrumentation and appropriate field procedures to collect a range of environmental data to measure water quality, aquatic ecosystem processes and health.
* Provide accurate, well researched and presented reports to inform decision making.
* Provide expert advice to internal and external stakeholders for environmental protection and improved water quality and aquatic ecosystem health.
* Provide scientific information and expertise to assist development of policies and guidelines, within the Branch, at the request of other groups and by way of contribution to external working groups and committees.

Key challenges

* Maintain an up-to-date knowledge of advanced spatial analysis techniques and tools required to assess factors affecting aquatic ecosystem health, and to improve understanding of aquatic ecological processes.
* Assist with communications, knowledge sharing, and the development of reporting tools to ensure scientific knowledge is made available to decision makers, waterway managers and the NSW community.

Key relationships

| Who |  Why |
| --- | --- |
| **Internal** |  |
| Manager | * Escalate issues, keep informed, advise and receive direction.
* Prepare briefings, advice and correspondence for consideration by the Manager.
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| Work team/other staff | * Develop and maintain cooperative and productive working relationships; collaborate.
* Ensure that communication channels are appropriate, efficient and effective.
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| **External** |  |
| Stakeholders | * Develop and maintain relationships.
* Obtain information and feedback on targeted projects and programs.
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# Role dimensions

## Decision making

Set own priorities and methodologies within the parameters and directions of the project, maintaining a degree of independence in developing a suitable approach to allocated projects and providing regular progress reports to the Manager.

## Reporting line

Reports to the Senior Team Leader

## Direct reports

Nil

## Budget/Expenditure

Nil

Essential requirements

* Scientific qualifications, expertise in spatial data analysis using ArcGIS, QGIS or similar GIS software and demonstrated experience.
* Demonstrated ability to work in small boats, coxswain 3 (or higher) qualification or demonstrated ability to obtain.

# Capabilities for the role

The [NSW public sector capability framework](https://www.psc.nsw.gov.au/workforce-management/capability-framework/the-capability-framework) describes the capabilities (knowledge, skills and abilities) needed to perform a role. There are four main groups of capabilities: personal attributes, relationships, results and business enablers, with a fifth people management group of capabilities for roles with managerial responsibilities. These groups, combined with capabilities drawn from occupation-specific capability sets where relevant, work together to provide an understanding of the capabilities needed for the role.

The capabilities are separated into **focus capabilities** and **complementary capabilities**.

# Focus capabilities

*Focus capabilities* are the capabilities considered the most important for effective performance of the role. These capabilities will be assessed at recruitment.

The focus capabilities for this role are shown below with a brief explanation of what each capability covers and the indicators describing the types of behaviours expected at each level.

| FOCUS CAPABILITIES |
| --- |
| **Capability group/sets** | **Capability name** |  | **Behavioural indicators** | **Level**  |
|  | **Manage Self**Show drive and motivation, an ability to self-reflect and a commitment to learning | Adapt existing skills to new situationsShow commitment to achieving work goalsShow awareness of own strengths and areas for growth, and develop and apply new skillsSeek feedback from colleagues and stakeholdersStay motivated when tasks become difficult | Intermediate |
|  | **Communicate Effectively**Communicate clearly, actively listen to others, and respond with understanding and respect | Focus on key points and speak in plain EnglishClearly explain and present ideas and argumentsListen to others to gain an understanding and ask appropriate, respectful questionsPromote the use of inclusive language and assist others to adjust where necessaryMonitor own and others’ non-verbal cues and adapt where necessaryWrite and prepare material that is well structured and easy to followCommunicate routine technical information clearly | Intermediate |
|  | **Deliver Results**Achieve results through the efficient use of resources and a commitment to quality outcomes | Seek and apply specialist advice when requiredComplete work tasks within set budgets, timeframes and standardsTake the initiative to progress and deliver own work and that of the team or unitContribute to allocating responsibilities and resources to ensure the team or unit achieves goalsIdentify any barriers to achieving results and resolve these where possibleProactively change or adjust plans when needed | Intermediate |
| **Think and Solve Problems**Think, analyse and consider the broader context to develop practical solutions | Research and apply critical-thinking techniques in analysing information, identify interrelationships and make recommendations based on relevant evidenceAnticipate, identify and address issues and potential problems that may have an impact on organisational objectives and the user experienceApply creative-thinking techniques to generate new ideas and options to address issues and improve the user experienceSeek contributions and ideas from people with diverse backgrounds and experienceParticipate in and contribute to team or unit initiatives to resolve common issues or barriers to effectivenessIdentify and share business process improvements to enhance effectiveness | Adept |
|  | **Technology**Understand and use available technologies to maximise efficiencies and effectiveness | Identify opportunities to use a broad range of technologies to collaborateMonitor compliance with cyber security and the use of technology policiesIdentify ways to maximise the value of available technology to achieve business strategies and outcomesMonitor compliance with the organisation’s records, information and knowledge management requirements | Adept |

# Complementary capabilities

*Complementary capabilities* are also identified from the Capability Framework and relevant occupation-specific capability sets. They are important to identifying performance required for the role and development opportunities.

Note: capabilities listed as ‘not essential’ for this role are not relevant for recruitment purposes however may be relevant for future career development.

| COMPLEMENTARY CAPABILITIES |
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| **Capability group/sets** | **Capability name** |  | **Description** | **Level**  |
|  | Display Resilience and Courage | Be open and honest, prepared to express your views, and willing to accept and commit to change | Intermediate |
| Act with Integrity | Be ethical and professional, and uphold and promote the public sector values | Intermediate |
| Value Diversity and Inclusion | Demonstrate inclusive behaviour and show respect for diverse backgrounds, experiences and perspectives | Foundational |
|  | Commit to Customer Service | Provide customer-focused services in line with public sector and organisational objectives | Intermediate |
| Work Collaboratively | Collaborate with others and value their contribution | Intermediate |
| Influence and Negotiate | Gain consensus and commitment from others, and resolve issues and conflicts | Intermediate |
|  | Plan and Prioritise | Plan to achieve priority outcomes and respond flexibly to changing circumstances | Intermediate |
| Demonstrate Accountability | Be proactive and responsible for own actions, and adhere to legislation, policy and guidelines | Intermediate |
|  | Finance | Understand and apply financial processes to achieve value for money and minimise financial risk | Foundational |
| Procurement and Contract Management | Understand and apply procurement processes to ensure effective purchasing and contract performance | Foundational |
| Project Management | Understand and apply effective planning, coordination and control methods | Intermediate |