Role Description

(Non-Manager)

Government of South Australia
Department for Environment and Water

Our purpose – Helping South Australians Conserve, Sustain and Prosper.

Role Title: Senior GIS Analyst	**Division:** Biodiversity & Nature Economy
Classification Level: ASO5	**Branch/Unit:** Biodiversity Science, Coasts & Information Branch / Geospatial Environmental Data & Information Unit
CHRIS Position Number: M21676	**Reports to (Title):** Geospatial Project and Engagement Coordinator

About the Agency – Department for Environment and Water

About the Role

The Geospatial, Environmental Data and Information (GEDI) Unit provides coordinated and timely spatial and information management services and products, maintain authoritative data, spatial systems and standards, and provide analysis and advice on DEW's evidence base.

The Senior GIS Analyst provides geospatial information and analysis support to DEW business units and external clients using a range of GIS technologies, including mobile, desktop, enterprise and cloud-based options.

This is achieved through liaising with staff and clients to capture and interpret business requirements, providing specialist geospatial advice on standards, procedures and tools, and developing and supporting a range of geospatial data, services and products to meet departmental program objectives.

Key Role Outcomes

- Geospatial information product and analysis support is provided to DEW business units and external clients to support departmental and SA Government objectives.
- Specialist advice on geospatial standards, procedures and tools is provided to help DEW staff understand GIS platform capabilities and define business requirements.
- Business requirements are captured for a range of geospatial data, services and products through liaison with appropriate DEW staff and external clients.
- Authoritative data and services are developed based on standards and repeatable, automated procedures.
- Configurable web-based tools are deployed to assist DEW staff meet departmental program objectives.
- Project support, documentation and reporting on the application of geospatial analysis procedures are provided to help DEW staff achieve project outcomes.
- DEW staff receive technical supervision, guidance and informal training in the use of departmental geospatial information, standards and systems.
- Project management frameworks are implemented to ensure there are clear outcomes, responsibility and accountability for each area of work.

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Essential Criteria (including qualifications)

- Keeps others in the team up to date with program/project developments and decisions.
- Evaluates information to effectively ascertain a practical solution that is aligned with organisational/customer needs.
- Prioritises workload and allocates time appropriately.
- Demonstrates an adaptable approach when interruptions or a change in direction occur, whilst maintaining a focus on priorities.
- Monitors workload and communicates difficulties to their manager in a timely way.
- Experienced in working with a range of stakeholders to solve problems and deliver outcomes.
- Demonstrates the ability to use relevant ICT systems/software applications to perform daily work efficiently and effectively.
- Demonstrates a current and fundamental understanding of:
    - Esri GIS software with an emphasis on ArcGIS Pro, ArcGIS Enterprise and ArcGIS Online.
    - Textual and spatial databases and other data sources such as Access and Excel.
    - Configuring and maintaining web GIS applications using ArcGIS Experience Builder or Geocortex Essentials.
    - Mobile devices and associated field data capture applications.
    - Remote sensing technologies for environmental monitoring and analysis.
    - Experience with programming or scripting languages such as Python or JavaScript.
    - Information life cycle management principles and approaches.
    - Geospatial data management standards and procedures.

Desirable Criteria

- A tertiary qualification in spatial science, natural resource/water resource management is desirable.
- Experience in project planning and management is desirable.

Key Relationships/Interactions

- Geospatial Project and Engagement Coordinator, Team Leader Geospatial Strategy Coordinator and Maintenance and staff in the Geospatial Environmental Data and Information Unit.
- Managers and staff within the Biodiversity Science, Coasts and Information Branch.
- Internal DEW Staff.
- External stakeholders including relevant Commonwealth, state and local government departments and agencies.

Special Conditions

- May be required to participate in emergency preparedness, response and recovery activities required by government agencies.

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- You must be an Australian citizen, permanent resident, or provide evidence that you hold a valid working visa that allows you to work in Australia.
- This role has been identified as a:

  Position of trust ☒ Prescribed position ☐ Not applicable ☐

  The following screening check(s) is/are required:
  - You will be required to provide a valid Nationally Coordinated Criminal History Check prior to being employed, which is required to be renewed every three years before expiry. DEW will cover the cost of renewal.
- May be required to undertake intra or interstate travel, occasional overnight absences, and work outside of the normal hours of work.

Core Competencies	Elements	Behavioural Indicators
Shapes Strategic Thinking and changes	• Thinking and Acting Strategically	• Can identify and articulate potential issues and implications.
Achieves Results	• Delivering Effective Outcomes • Assuming Accountability	• 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. • Shows initiative in moving projects forward and dealing with potential problems.
Drives Business Excellence	• Facilitating Quality and Continuous Improvement • Promoting Customer Service	• Keeps abreast of developments within the directorate/Agency. • Takes considerable effort to understand and respond to the requirements of diverse customers.
Forges Relationships and Engages Others	• Establishing and Maintaining Networks • Communicating and Managing Conflict	• Works well with others and is effective in collaborating with colleagues across the Agency. • Presents technical information so it can be clearly understood by the audience and does not use jargon.
Exemplifies Personal Drive and Professionalism	• Displaying Flexibility and Resilience	• Is flexible in handling changing priorities. • Adapts to new situations while maintaining the achievement of outcomes.

Work Health and Safety

- Proactively ensures all direct reports understand workplace health and safety requirements and responsibilities.
- Leads and participates in health and safety discussions in the workplace.
- Identifies hazards, assesses risks and implements procedures for controlling risks.
- Implements procedures for dealing with incidents and emergency events.
- Maintains appropriate workplace safety records.

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- Implements procedures for managing injured workers.

Corporate Responsibilities

- Demonstrate appropriate and professional workplace behaviours that are in line with the Code of Ethics and the South Australian Public Sector Values.
- 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 Review and Development Program.
- Demonstrate appropriate and professional workplace behaviours that align closely with the White Ribbon message.

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