

GIS Specialist – Wetland Project

Purpose | Te arotahi mātua

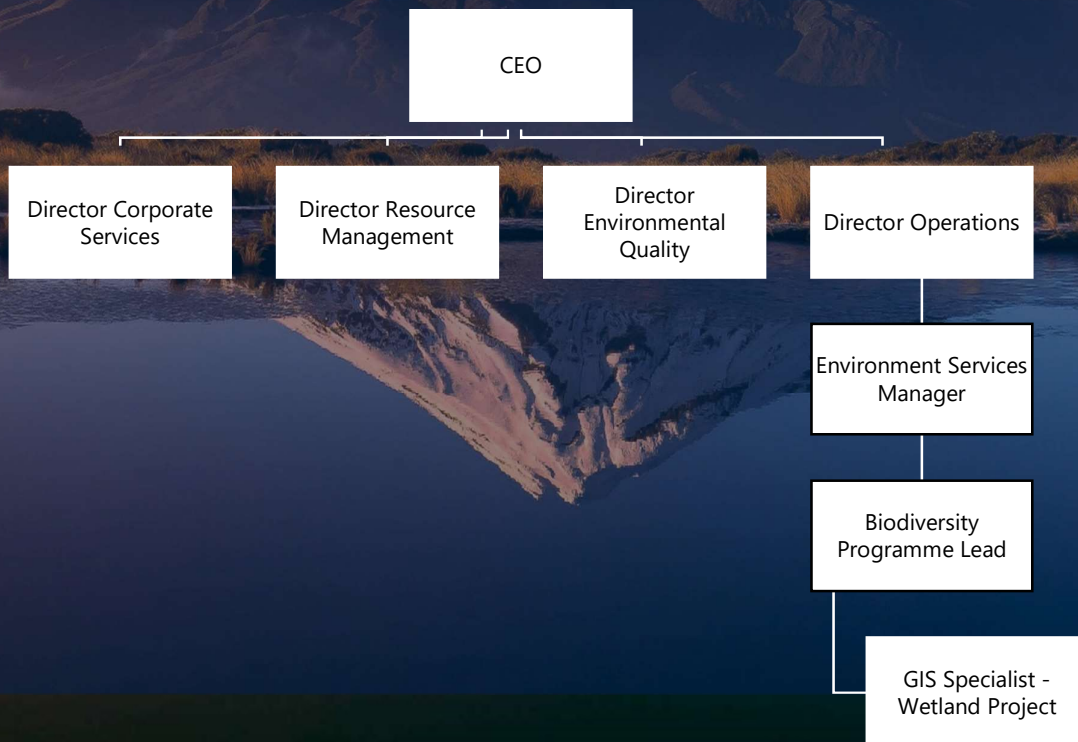
The GIS Specialist – Wetland Project is responsible for working collaboratively with the Environment Services team, GIS team and Taranaki Catchment Communities to support the project to map the location of Taranaki's wetlands.

The role of the GIS Specialist – Wetland Project is to visualise, question, analyse and interpret data to understand relationships, patterns and trends, as well as design, develop and implement and modify systems and databases to access and store geospatial data.

Role dimensions | Te ahu mahi

- Responsible to: Biodiversity Programme Lead
- Responsible for: Nil
- Primary location: Stratford although travel throughout the region may be required

Organisational context | Te horopaki whakahaere



Role specific areas of responsibility | Whakaritea ngā wāhanga kawenga

The key responsibility areas are provided as a guide only. Performance measures for this job will need further discussion between the job holder and People Leader/Manager as part of the performance development process.

Wetland mapping project

- Develop GIS aspects of Taranaki wetland mapping project to meet National Policy Statement (Freshwater) requirements.
- Work with Council Wetland Ecologists and Taranaki Catchment Communities to create and manipulate spatial datasets to support achievement of wetland mapping project objectives.
- Make data publicly accessible via an appropriate platform

GIS support and systems

- Design, develop and implement systems and databases to access and store geospatial data, with a focus on wetland mapping.
- Investigate and verify wetland related data via a desktop analysis.
- Develop a process and identify sites to be verified in the field.
- Perform quality control checks, maintain metadata and design data specifications (how and what data to be collected, accuracy required).
- Visualise, question, analyse and interpret data to understand relationships, patterns and trends for the organisation.
- Communicate with project team members and other stakeholders to define data needs, project requirements and desired outputs.
- Assist in the design, development, implementation, operation and maintenance of information systems, with a specific focus on geospatial aspects.
- Manage individual project tasks related to GIS, database design and management, and data visualisation.
- Customise GIS workflow and software programs for data collection, and applications.
- Promote and champion geospatial in a way that is aligned with GIS team and organisational vision and objectives.

Documentation and SOPs

- Our systems have an adequate level of documentation.
- We have appropriate Standard Operating Procedures (SOPs).
- Change register is correctly used for all planned works.
- Maintain appropriate documentation covering GIS operations.

Other projects

- Manage geospatial projects to agreed cost, time and quality expectations.

Skills and training

- Maintain professional and technical knowledge personally through continued education, online/in-person training and attendance of educational workshops, reviewing professional publications, networking and participation in professional industry groups.



Organisational areas of responsibility | Ngā wāhanga whakahaere

- **Be a team player** – Contribute to the greater team and organisational goals by completing projects and tasks in an efficient and effective manner, including any additional activities as directed by your People Leader.
- **Be flexible and adaptable** – Flexible work arrangements meet the needs of our customers, the Council and the individual and may include the need to work outside normal office hours from time-to-time.
- **Look after yourself and others** – Work within the Council’s health and safety systems, policies and procedures at all times to limit risk and keep yourself and those around you safe.
- **Work with integrity** – Maintain high professional and ethical standards that align with relevant legislation, Council polices and our values.
- **Develop yourself and others** – Proactively seek out opportunities for your own professional development and work alongside others to develop them, including actively taking part in Our TRC.
- **Be culturally aware** – Show appreciation and understanding of Māori culture and values and put these into practice in your work.
- **Be an agent for change** – Always be on the lookout for ways to do things better, faster or smarter and be an active participant in the continuous improvement culture.
- **Be digitally savvy** – Understand and be competent in the use of digital technologies relevant to your role, including processing and storage of Council information in line with relevant policies.
- **Emergency planning and response** – Where required, participate in emergency management training exercises and support Council during an emergency management response, having due regard to the safety of your family.
- **Live our values** - Be aware of and demonstrate our values in ways that support inclusivity in every aspect of our work.

Delegations of authority | Te tuku mana

Delegations for all roles are set out in the **Taranaki Regional Council Delegations Manual** as appropriate.

Personal specifications | Ngā whakaritenga whaiaro

- Qualifications**
- A Bachelor's degree in Geography, Geospatial Science, Information Technology, Computer Science, or a related field.
 - Preferably an ESRI qualification in area of interest.
- Experience**
- A minimum of 2 years' experience in a GIS role is desirable.
 - Have technical and practical proficiency and competency relevant to this role's specialisation.
 - Experience with building and maintaining effective relationships and gaining the cooperation of a wide range of stakeholders.
- Skills**
- Taranaki Regional Council has a skills pathway framework enabling people to plan their development and grow their skills. The core skills required for this position are aligned with **He Pukenga Ara Skills Pathway**, and a summary table is included in Appendix 1.
 - Cartographic and graphic presentation skills.
 - Experience in use, maintenance and installation of ArcGIS Server.
 - Ability to work quickly to meet urgent requests for information.
 - Ability to relate to a diverse workforce.
 - Ability to fill a range of multiple roles within the team simultaneously.
 - Excellent interpersonal skills, including the ability to train others.
 - Ability to think laterally, multitask, prioritise and self-manage.
 - Leadership, motivation and marketing skills.
 - Sound analytical and problem solving skills.
 - Attention to detail and good time management.
- Knowledge**
- Comprehensive knowledge of ESRI suite of products, including ArcGIS Pro, ArcGIS Enterprise and ArcGIS Online.
 - Working knowledge of Python and SQL an advantage.
 - Working knowledge of FME workbenches.
 - Working knowledge of project management principles and practice.
 - Working knowledge of wetland ecology advantageous but not essential
- Personal attributes**
- Self-motivated
 - Adaptable
 - Strong initiative
 - A can-do attitude
 - Self-awareness
 - **Customer first mentality** – Drive to put the customer at the centre of everything they do
 - **Growth mind-set** – Able to self-reflect, challenge the status quo and grow



Functional relationships | Te whanaungatanga mahi

Build, maintain and role model meaningful effective and sustainable relationships with;

- Internal**
 - Wetland ecologists
 - Environment Services staff
 - GIS staff
 - All Taranaki Regional Council staff
- External**
 - Taranaki Catchment Communities staff and volunteers
 - Other interested parties (Iwi, Department of Conservation etc.)
 - Service providers

Changes to job description | Ngā huringa ki ngā whakaahuatanga mahi

From time to time it may be necessary to consider changes in the job description in response to the changing nature of our work environment. Such changes, including technological requirements or statutory changes, may be initiated by the manager of this job with due consultation with the position holder. This job description should be reviewed as part of the preparation for performance planning for the annual performance cycle.



Our key messages | Ko ā mātou kōrero mātua

Taranaki Regional Council works with the Taranaki community:



Improving lifestyles
Supporting livelihoods
Taking Taranaki forward

Our mission | Tō tātou mīhana

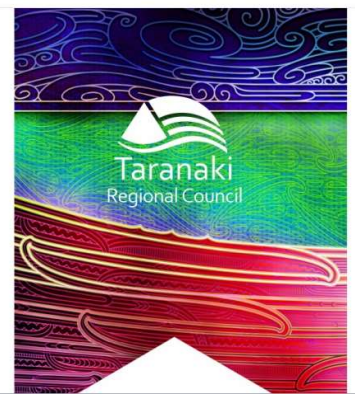
To work for a thriving and prosperous Taranaki by:

- Promoting the sustainable use, development and protections of our natural and physical resources.
- Safeguarding Taranaki's people and resources from natural and other hazards.
- Promoting and providing for significant services, amenities and infrastructure.
- Representing Taranaki's interests and contributions to the regional, national and international community.

We will do this by leading with responsibility, working cooperatively, encouraging community participation, and taking into account the Treaty of Waitangi.

Our values | Tō tātou whanonga pono

- **Integrity** | We do what it is right, rather than what is easy.
- **Teamwork** | We are one TRC team, working together with courage and purpose.
- **Care & Respect** | We demonstrate care and respect for ourselves and others; we treat everyone with dignity.
- **Agility** | We strive for excellence, embracing change as an opportunity for innovation.



Our health and safety | Tō tātou Hauora me te haumaru

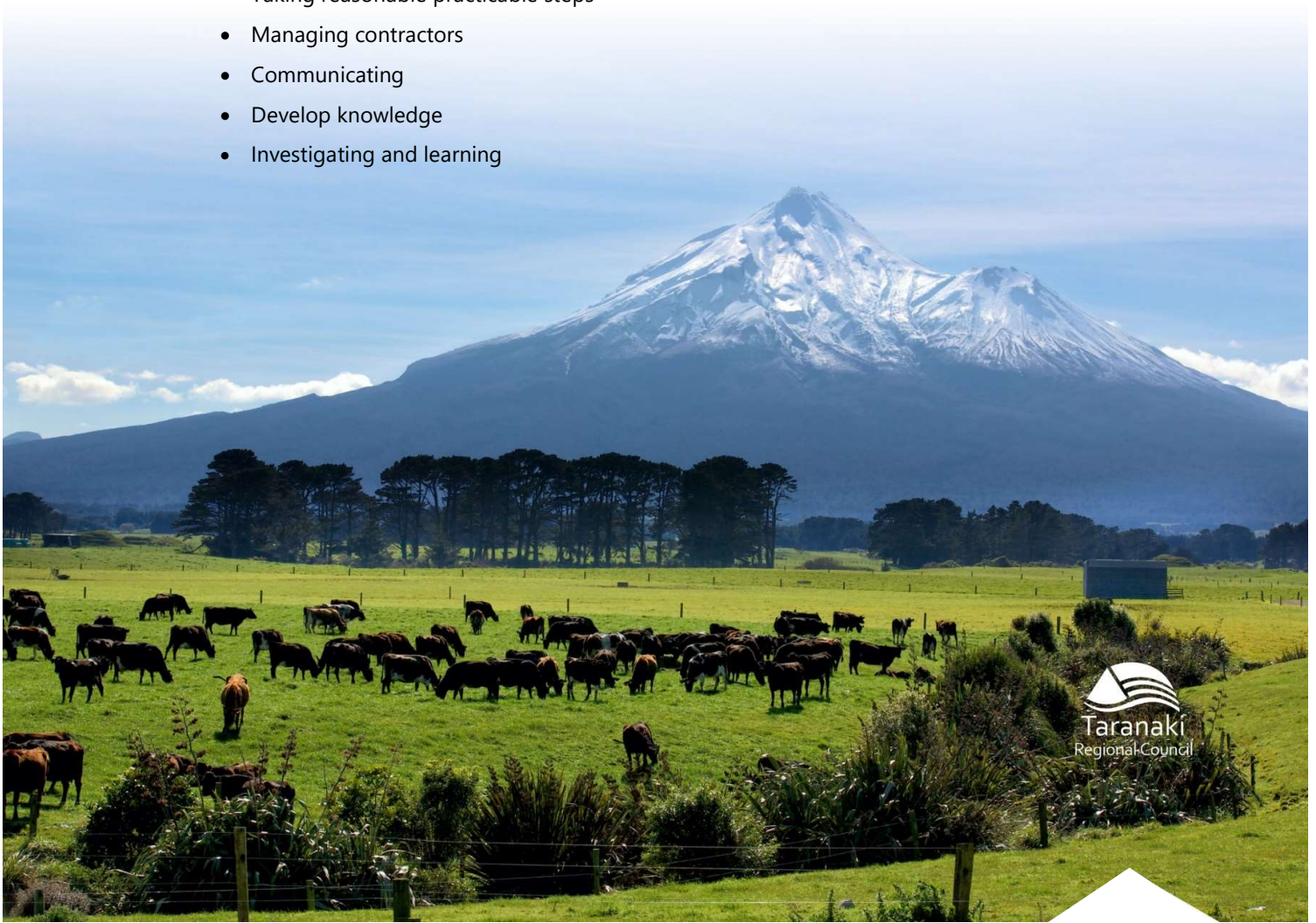
The Taranaki Regional Council is committed to a process of continuous improvement in order to achieve excellence in the management of health and safety at all of our workplaces. We recognise the positive impact that the values and benefits of enhanced health and safety bring to the organisation, our employees and our communities.

There are two key points to health and safety:

- 1 The safety of our people and the communities in which we operate always comes first.
- 2 We are all empowered and expected to challenge any unsafe situation at work.

We will achieve these by:

- Building a positive culture
- Aiming for zero harm
- Taking reasonable practicable steps
- Managing contractors
- Communicating
- Develop knowledge
- Investigating and learning



He Pūkenga Ara Skills Pathway

Skill Area	Capabilities
Service Delivery	<ul style="list-style-type: none"> • Service Standards • Customer Service • Judgement and Decisions
Organisational Impact	<ul style="list-style-type: none"> • Aligns Work • Collaborates • Assesses Impact and Value • Promotes Change
Self-Awareness	<ul style="list-style-type: none"> • Knows Self • Develops Self and Others • Builds Trust
Communicates Effectively	<ul style="list-style-type: none"> • Clear Messages • Adapts Style • Tact and Diplomacy
Digital Technology	<ul style="list-style-type: none"> • Systems Knowledge • Works Efficiently • Data Management
Wellness and Risk	<ul style="list-style-type: none"> • Policies and Procedures • Manages Risks • Proactive Wellbeing • Site Safety
Cultural Awareness	<ul style="list-style-type: none"> • Reo • Tikanga • Whakawhanaungatanga • Local context • Mātauranga Māori • Regulatory Environment