

## Hydrology Monitoring Officer Groundwater

### Pūtake Tūranga - Scope

To undertake hydrology field operations, collection of groundwater data, data processing to national standards, equipment maintenance, compliance monitoring of resource consents, state of the environment monitoring and communication of information to stakeholders. Help to build a better understanding of Northland's aquifers, particularly regarding saline intrusion risk and water resourcing. Note that this position has a groundwater focus but may assist in other areas of hydrology, such as rainfall and river flow monitoring.

This role contributes directly council's area of focus (community outcomes) by:

- Continuous improvement of water quality and security of supply
- A strong regional economy
- Safe and resilient communities
- Efficient and effective service delivery

### Nga Whaingā - Key responsibilities

#### Servicing, Maintenance & Installation

The installation, servicing and maintenance of structures, data collection equipment and hydrological equipment in accordance with internal and external standards. This will mainly include hydrological activities and equipment related to groundwater monitoring, but may on occasion also include rainfall, water level recorders/sensors, flow meters, ADCP units etc. Responsible for contract management for the drilling of new groundwater bores and redevelopment of existing bores, as well as other work related to groundwater monitoring.

#### Data Collection

Lead Northland Regional Council's data collection for the various groundwater monitoring programs, with a particular focus on telemetered groundwater level and water quality systems. Undertake regular discrete water level measurements and water quality sampling.

Review and improve department's systems and processes for groundwater monitoring to ensure best practices are met and where appropriate implement these improvements.

Carry out field work independently if compliant with health and safety standards.

#### Investigation

Lead groundwater investigations, including the collection of groundwater hydrological data, including water quality sampling and pump tests.

#### Processing of Hydrological Data

Ensure standards of hydrometric workmanship meet the Hydrology Group's third-party registered quality system standards and appropriate quality control over all field and data storage techniques.

#### Data provision



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Interpret hydrological data. A high-level understanding of groundwater systems and ability to communicate this understanding to a range of people, from scientists to public.

Coordinate the provision of NRC information to stakeholders, including internal staff, the general public, local authorities and consultants.

## Tō Pukenga - About you

### Qualification, skills and experience

- Tertiary qualification in a related discipline (e.g. science, hydrology, environmental monitoring etc.).
- 5+ years' experience in hydrology with groundwater monitoring/science experience.
- Experience with time series software, such as Hilltop is preferable.
- Experience with telemetry hardware and software is preferable.
- Experience in local government is preferable.
- Experience with installing and maintaining hydrometric stations.
- Experience processing hydrological data to the National Environmental Standards is preferable.
- Experience in the analysis of hydrological data for the description of trends and extremes.
- Experience in communicating hydrological data, including report writing, and presenting to audiences.
- Proficient with Microsoft applications, particularly Word, Excel & Outlook.
- Full drivers' licence.

### Personal attributes

- Excellent relationship management skills - relate well to all kinds of people and build constructive, positive and productive relationships.
- Display cultural empathy and awareness.
- Ability to communicate (written and oral) with staff and elected representatives in an objective, regular, timely, easily understood way and in a professional manner.
- Ability to work well independently and also as part of a team.
- Ability to establish and maintain professional relationships with external service providers and enforcement bodies.
- Execute personal and team focused goals successfully.
- Continuous improvement mindset.
- Committed to Health and Safety and organisational values.
- Displays personal and professional integrity.
- Personally committed to, and actively work to, continually improve yourself.
- Looks for and accepts challenges; seizing more opportunities than others.

**Reports to:** Hydrology Field Operations Manager  
**Group and Department:** Environmental Services - Natural Resources  
**Location:** Whangarei  
**Date:** March 2022  
**Type:** Permanent, full-time

### Declaration

*I have read and understood the contents of this Job Description.*

**Name:**

*(Please print full name)*

**Signature:**

**Date:**



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