



HUMAN RESOURCE MANAGEMENT DEPARTMENT
OFFICE OF THE PRIME MINISTER
FEDERATION OF SAINT CHRISTOPHER AND NEVIS

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3<sup>rd</sup> June 2025

Cabinet Secretary  
Financial Secretary  
Director of Audit  
Permanent Secretaries

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**VACANCY NOTICE – GIS TECHNICIAN**

The Human Resource Management Department on behalf of the Ministry of Public Infrastructure et al, wishes to invite suitably qualified persons to fill the position of **GIS Technician at the Water Services Department**.

The **GIS Technician** at the **Water Services Department (WSD)** is responsible for managing, analyzing, and maintaining geospatial data to support water distribution, asset management, and planning. The role involves working closely with engineers, field teams, and other departments to ensure accurate mapping of infrastructure and effective decision-making using Geographic Information Systems (GIS).

**MAIN RESPONSIBILITIES**

**1. GIS Data Management & Analysis**

- Maintain and update GIS databases related to water supply infrastructure, including pipelines, reservoirs, pumping stations, wells, and meters.
- Collect, process, and analyze spatial data to support water system planning and maintenance.
- Perform spatial analysis and generate reports to assist in decision-making.

**2. Mapping & Visualization**

- Create high-quality maps for internal use, public presentations, and project reports.
- Develop thematic maps showing service coverage, leak detection zones, and infrastructure vulnerabilities.
- Ensure GIS layers are updated with as-built infrastructure data from field surveys.

**3. Field Data Collection & Integration**

- Assist in field data collection using GPS devices and mobile GIS applications.
- Work with field teams to verify asset locations and update system records.
- Integrate collected data into the central GIS database for accuracy.

**4. Infrastructure & Asset Management Support**

- Use GIS to track water system assets, their condition, and maintenance history.
- Support asset management initiatives by identifying infrastructure age, risk areas, and service performance.
- Provide GIS data to aid in the scheduling of repairs, replacements, and expansions.

**5. GIS System Administration & Support**

- Ensure GIS software, data, and tools are functioning properly and updated regularly.
- Assist in troubleshooting GIS-related issues and provide technical support to staff.
- Collaborate with the **Department of Physical Planning** and other stakeholders to share GIS datasets.

**6. Reporting & Compliance**

- Generate GIS-based reports for regulatory compliance and management review.



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- Support environmental impact assessments and water resource management projects.
- Provide mapping and data analysis for grant applications and feasibility studies.

Qualifications & Experience:

- **Education:**
Associate degree in GIS, Geography, Environmental Science, or a related field.
- **Experience:**
Minimum **1-3 years** of experience working with GIS in water utilities, Public Works, or environmental management.
- **Technical Skills:**
 - Proficiency in **ArcGIS** or other GIS software (QGIS, AutoCAD Map 3D, etc.).
 - Knowledge of **GPS field data collection methods**.
 - Experience with **spatial analysis, database management, and georeferencing**.
 - Familiarity with **hydraulic modeling and water infrastructure mapping** is an advantage.
- **Soft Skills:** Strong analytical skills, problem-solving abilities, and attention to detail.
- **Other Requirements:** Ability to work both independently and collaboratively with engineering teams, field crews, and external agencies.

Salary: K22 - K27 (\$41,196 - \$51,180) per annum

Applications must be accompanied by:

- Letter of Application
- Civil Service Form with photo and copy of birth certificate.
- Curriculum Vitae
- Police Record
- Official academic certificates, transcripts, and other relevant documents (certified copies)
- Two (2) references with telephone and e-mail addresses and should be addressed to:

Permanent Secretary
Ministry of Public Infrastructure, Energy & Utilities; Domestic Transport
P.O.Box 186
Water Services Department
Needsmust, Basseterre, St. Kitts

Or
Email: Daryll.lloyd@gov.kn

The deadline for receipt of applications is **29th August 2025**.