



NYC Parks

CITY OF NEW YORK PARKS & RECREATION

CITYWIDE JOB VACANCY NOTICE: Job ID No. 494958

Office Title: Hydrologist for FHNR

Civil Service Title: City Research Scientist **Title Code No:** 21744 **Level:** II

Salary: \$75,504 - \$86,830

Number of Positions: 1 **Work Location:** Arsenal North, Manhattan

The mission of Forestry, Horticulture and Natural Resources (FHNR) is to protect, restore, expand, and manage New York City's natural spaces and green infrastructure to maximize their benefits and promote their value within and outside of the urban ecosystem.

Major Responsibilities

- Under the direction of the Wetlands Program Manager in the Forestry, Horticulture and Natural Resources (FHNR), provide technical expertise in the fields of hydrology, fluvial geomorphology, and stormwater management for natural resource assessment, protection, restoration design, and watershed management across NYC parkland.
- Help assure that the agency complies with wetland, stormwater management, and other environmental regulations and restoration performance standards.
- Assess and monitor hydrologic and physical conditions and processes of coastal shorelines, tidal and freshwater wetlands and streams, including sedimentation and erosion, stream flow and stormwater runoff.
- Manage a variety of monitoring and assessment, watershed management, and ecological or aquatic restoration projects.
- Supervise staff that assist in monitoring, site assessment, and data collection to support natural resource management.
- Compile, analyze, and interpret data and present results using field and desktop assessments, using Hydrologic Engineering Centers River Analysis System, ArcInfo, or other tools to model, map, visualize, and analyze data.
- Review and analyze engineering plans and designs of capital construction projects to assess impacts to parkland and water resources; provide recommendations and guidelines and coordinate with other city, state, and federal agencies to ensure these are implemented.
- Analyze data to support development of restoration designs for shorelines, wetlands, streams, and other aquatic systems.
- Prepare maps, figures, and final reports to submit to the public, funders, collaborators, internal staff and regulatory agencies.

Qualification Requirements

1. A doctorate degree from an accredited college or university with specialization in an appropriate field of physical, biological, environmental, or social science and one year of full-time experience in a responsible supervisory, administrative or research capacity in the appropriate field of specialization; or
2. A master's degree from an accredited college or university with specialization in an appropriate field of physical, biological, environmental or social science and three years of responsible full-time experience in the appropriate field of specialization, including one year of full-time experience in a responsible supervisory, administrative or research capacity in the appropriate field of specialization; or
3. Education and/or experience which is equivalent to "1" or "2" above. However, all candidates must have a master's degree in an appropriate field of specialization and one year of full-time experience in a responsible supervisory, administrative, or research capacity as described in "2" above.

Residency in New York City, Nassau, Orange, Rockland, Suffolk, Putnam, or Westchester counties required for employees with over two years of city service. New York City residency required within 90 days of hire for all other candidates.

Preferred Skills/Qualifications

1. Advanced degree in an environmental science, ecology, natural resource management or a related field.
2. Excellent writing, organizational and interpersonal skills, including ability to work in a team.
3. Field experience conducting hydrologic or fluvial geomorphic monitoring.
4. Knowledge of erosion control and storm water pollution prevention techniques.
5. Demonstrated experience in field mapping, surveying and using related equipment (e.g. GPS, RTK or total stations).
6. Experience with watershed-scale management or stream and wetland restoration design.
7. Strong GIS, spatial and statistical analysis, and data management skills.
8. Experience reviewing and evaluating construction plans and specifications for the purpose of developing monitoring reports.
9. In-depth understanding of wetlands and storm water regulations.
10. Valid New York State driver license.

Vaccination Requirement: As of August 2, 2021, all new hires must be vaccinated against the COVID-19 virus, unless they have been granted a reasonable accommodation for religion or disability. If you are offered city employment, this requirement must be met by your date of hire, unless a reasonable accommodation for exemption is received and approved by the hiring agency.

How to Apply

Parks Employees:

1. From a Parks computer: Access **Employee Self Service (ESS)** from the Parks Intranet under Applications or use this link: <https://hrb.nycaps.nycnet/>. Once in **ESS**, go to Recruiting then Careers and search for **Job ID# 494958**. Do not access **ESS** using nyc.gov/ess from a Parks computer.

Parks & City Employees:

2. From a Non-Parks computer: Access **Employee Self Service (ESS)** by going to nyc.gov/ess or use this link: <https://a127-ess.nyc.gov/>. Once in **ESS**, go to Recruiting then Careers and search for **Job ID# 494958**.

Include your ERN and **Job ID# 494958** on your cover letter and resume.

All other applicants:

Click here to apply: [Hydrologist for FHNR](#) OR

Go to nyc.gov/careers/search and search for **Job ID# 494958**.

POST DATE: 10/22/2021

POST UNTIL: 11/19/2021

NOTE: All resumes must be received no later than the last day of the posting period. References will be required upon request.

nyc.gov/parks

MOVEMENT IN THE FACE OF CIVIL SERVICE LISTS IS PROHIBITED UNDER CIVIL SERVICE LAW.

THE CITY OF NEW YORK IS AN EQUAL OPPORTUNITY EMPLOYER
TELECOMMUNICATIONS DEVICE FOR THE DEAF: (212) 504-4115