

Lavaca-Navidad River Authority

Job Description

Job Title:	Environmental Technician
Department:	Administrative
Reports To:	Director of Environmental Services
FLSA Status:	Non-Exempt
Salary Range:	\$14.75 - \$33.55 per hour
Prepared By:	Human Resources Manager
Approved By:	General Manager
Approved Date:	February 2024

Summary

The incumbent, with guidance of the Environmental Services Director, is primarily responsible for carrying out functions of the LNRA's Clean Rivers Program (CRP) to include inflow and water quality monitoring and CRP reporting. The incumbent will be responsible for managing LNRA's Geographical Information Systems (GIS) database for the benefit of LNRA's operating groups.

Essential Duties and Responsibilities include the following. Other duties may be assigned.

Collect and prepare streamflow and water quality data for analysis and presentation. Assist in the weekly management of Bay & Estuary releases from the spillway downstream to Lavaca River and Bay.

Assist with deliverables for timely submittal to the Texas Commission on Environmental Quality (TCEQ).

Assist with monitoring reports of pollution or water quality threats within the Lavaca River Basin.

Assist with performing laboratory tests, analysis, and associated reporting.

Assist with providing maintenance and care of materials, tools, and equipment as assigned.

Develop and maintain contacts, as needed, with Local, State and Federal agencies having jurisdiction over water quality and environmental issues.

Develop relationships and maintain productive partnerships by attending public meetings regarding environmental components.

Manage LNRA's Geographical Information Systems (GIS) database for all LNRA operations including the ability to create, develop, maintain and update map and database layers in support of LNRA's GIS operations.

Participate in LNRA wildlife fisheries and vegetation management projects/programs.

Assist Management Staff as needed.

Comply with LNRA Safety Manual.

Supervisory Responsibilities

This position does not include supervisory responsibilities.

Qualifications

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience

Bachelor's degree from a four-year college or University in Environmental Science, GIS, Geography, Computer Science, Survey, Geomatics or a closely related field in conjunction with two (2) years of related work experience; or an equivalent combination of education and experience. Must have hands-on experience in ESRI Arc GIS software or survey grade GPS system.

Language Skills

Communicate effectively in the English language, both orally and in written form.

Mathematical Skills

Advanced math skills.

Reasoning Ability

Advanced reasoning skills. Analytical and problem-solving skills are imperative.

Computer Skills

To perform this job successfully, employee must be proficient with a computer and Microsoft Office. Working knowledge of ArcGIS software to visualize, manipulate, display, create, edit, query and analyze data stored in LNRA's GIS, and ensure GIS/GPS data is accurate, useable, and current.

Certificates, Licenses, Registrations

Valid Texas Drivers License. Willing to obtain a Texas Parks Wildlife Department boating license. Insurable driving record.

Other Skills and Abilities

Ability to establish and maintain effective working relationships with other employees, vendors, contractors, and the general public. Strong leadership, communication and interpersonal skills are a prerequisite. Ability to calibrate and maintain equipment including stream flow and water sampling equipment. Working knowledge of chemistry, limnology, hydrology, and botany. Working knowledge of Federal and State regulations pertaining to water quality, safety, and environmental matters. Ability to read, understand and explain technical manuals, construction drawings and diagrams, schematics and material data safety sheets. Must work well independently and with others in order to understand and generate special purpose maps while maintaining and updating geospatial data. Knowledge of boat handling and navigation as well as safety precautions. Ability to make quick decisions in emergency situations.

Other Qualifications

Local travel will be required. Occasional overnight travel may be required. Traveling aboard watercraft is required.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is regularly required to use hands to finger, handle, or feel; reach with hands and arms and talk or hear. The employee is frequently required to stand; sit and stoop, kneel, crouch, or crawl. The employee is required to walk and climb or balance. The employee must frequently lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus. Good physical fitness for extended periods on the water.

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is occasionally exposed to wet and/or humid conditions, moving mechanical parts and outside weather conditions. The noise level in the work environment is usually moderate.

Tools and Equipment Used

While performing the duties of this job, the employee is frequently required to operate the following equipment: Automobile, watercraft, computer, calculator, copy machine, telephone, and two-way radio, Global Positioning System, safety equipment, and water sampling and stream flow measurement equipment.