

**JOB DESCRIPTION**  
**WATERSHED RESOURCE TECHNICIAN**  
Lancaster County Conservation District

**GENERAL STATEMENT OF DUTIES:** Provide project management and in-the-field assistance to the District's Watershed Specialist by coordinating, implementing and maintaining a variety of watershed related projects throughout Lancaster County. This position will provide technical and manual labor assistance meant to improve watersheds and the quality and quantity of the County's surface and groundwater resources. The focus of this work relates to riparian buffer installation and maintenance, water quality monitoring, stream restoration assistance to contractors, volunteer liaison, project management, and the coordination and implementation of work plans and strategies to restore and protect groundwater and surface water resources in Lancaster County. The Watershed Resource Technician is a resource to both the public and private sectors and is under the direct supervision of the District's Watershed Specialist and is accountable to the Lancaster County Conservation District Board of Directors. This position is classified as an at-will exempt position and will require lifting over 40 lbs., walking over uneven ground and terrain, and being outdoors in various conditions.

**JOB DUTIES AND RESPONSIBILITIES**

Primary Responsibilities

1. Riparian buffer installation assistance for District projects and partners installing buffers in Lancaster County.
2. Riparian buffer maintenance assistance for District projects and projects where partners request buffer maintenance assistance
3. Managing and maintaining a riparian buffer maintenance trailer for volunteers with equipment, supplies, and other buffer maintenance tools for volunteers.
4. Stream restoration construction assistance for federal and local partners and contractors the District is directly working with for stream improvement projects
5. Calibrate and maintain all of the Continuous Instream Monitoring (CIM) Units the District has installed on several local waterways. This would involve visiting each CIM every 4-6 weeks to maintain the unit, calibrate probes, download the data, and validate all equipment is running properly.
6. Work with the Master Watershed Stewards Program and volunteers within this program on setting up long term projects for the volunteers.
7. Support existing watershed organizations with technical assistance.
8. Conduct resource inventories and water quality assessments (using chemical and aquatic indicators) to identify sources of non-point source pollution.
9. Implement programs to achieve restoration goals based on stream quality, land use, and input from cooperating agencies, organizations and individuals.
10. Assist with maintaining a water monitoring network throughout the county for both surface and ground water by working with existing watershed associations, schools, and volunteer monitoring groups.

11. Assist in the development of innovative programs to accelerate establishment of riparian buffers.
12. As directed, develop and assist other staff in developing education programs relating to the protection of our ground and surface waters.
13. Provide technical support to staff in the areas of water quality, aquatic ecology and watershed management.
14. Provide technical assistance to municipal officials, planning commissions, and developers for water quality issues (e.g. treatment of storm runoff).
15. Help to develop and implement demonstration projects relating to the quality of our waters.

#### Education and Instruction Duties

1. Educate and explain to citizens their responsibility to care for Lancaster County's natural resources and the technical resources and funding opportunities that are available to Lancaster County landowners.
2. Prepare/present public informational signs and "spots" on local projects for the community and possibly the media on what is being done by various groups to improve Lancaster County's water resource.

#### Training and Certification Expectations

1. Attain and maintain spray applicator licensing. Specifically, certifications #6 and 10.
2. Attend training to stay current with advancing technology related to water quality issues.
3. Become familiar with the environmental laws and regulations for which the district is responsible (Act 6, chapter 102, 105, etc.).
4. Keep up to date on how recent environmental regulations affect planning (e.g. use of TMDLs, or changes in water quality standards).
5. Become familiar with current land use practices and their related risks to water quality.
6. Become certified in those areas that will improve the employee's image as he/she carries out his/her duties (e.g. wetlands delineation, FGM certification, Chesapeake Bay Landscape Professional).
7. Attend annual training as requested by your supervisor, DEP, ACOE, or PDA.
8. Attend training pertaining to the Dirt & Gravel/Low Volume Rd. Program (ESM, Admin, GIS, and annual workshop trainings, etc.)
9. Attend sufficient computer training to efficiently use the software supplied by the District and NRCS (e.g. Microsoft Word, Excel, PowerPoint, GIS, Practicekeeper).

#### Additional District Activities

1. Serve on District Committees as assigned.
2. Prepare articles for newsletter and/or annual report as requested.
3. Attend Board, staff and other meetings as requested.
4. Other duties as requested by the program supervisor, District Manager or BOD

MINIMUM TRAINING AND EXPERIENCE

1. Combination of 6 years of schooling and on the job experience in Biology, Environmental Resource Management, Landscaping, Project Management, Volunteer Coordination, or related fields. This can include a 4-year college degree with 2 year's work experience and/or a 2-year college degree with 4 year's work experience.
2. Two to Four years of experience doing stream assessments, project management, coordinating stream monitoring programs, volunteer coordination, landscaping skills, watershed management planning, etc. preferred.
3. An ability to communicate effectively both verbally and in writing to a wide range of individuals and groups is essential.
4. Applicants will also need a valid driver's license and be required to obtain and maintain an applicator's license to spray herbicides and other invasive buffer species.

This job description has been designed to indicate the general nature and level of work performed by employees in this position. It is not intended to contain or to be interpreted as a comprehensive listing of all duties, responsibilities, and qualifications required of employees assigned to this position. This job description is subject to change, but remains in effect until superseded or canceled in writing by the District Manager.

Signed \_\_\_\_\_ Date \_\_\_\_\_