



Creating ecological solutions through innovative engineering

Water Resources Engineer / Environmental Designer

Wildlands Engineering (Wildlands) is seeking an individual with a passion for environmental restoration to join our growing company in Knoxville, TN. The advertised position is a full-time, in-office role, but alternative arrangements will be considered.

Licensure as a Professional Engineer (PE) or Engineering Intern (EI) is strongly preferred, and at least two years of experience in a consulting firm is required. We also encourage experienced environmental designers to apply. Desired skillsets include stream and wetland restoration design, hydrologic and hydraulic modeling, AutoCAD Civil 3D design and grading, construction oversight, understanding of easements, property boundaries and survey, and understanding of vegetation and ecological processes. This position will work with project managers and multi-disciplinary team members to design, permit and oversee implementation of ecosystem restoration and water resource engineering projects. Projects include a diversity of ecosystem restoration and water resource engineering and may include design of streams, wetlands, and watershed improvements; dam removal and aquatic organism passage; hydrologic and hydraulic models; flood resiliency planning and design; and/or watershed planning and retrofit stormwater best management practices (BMPs). This position will require occasional overnight travel and outdoor fieldwork.

Company Information

Wildlands was founded in 2007 and focuses on stream and wetland restoration, watershed planning and assessment, and water quality management. With offices in North Carolina, Tennessee, South Carolina, and Virginia, Wildlands provides water resources engineering, ecosystem restoration, mitigation banking, and consulting services to an array of clients, including local and state government and conservation organizations. Our dedicated, motivated, and highly trained team has experience in all aspects of stream and wetland restoration, watershed planning and assessment, and water quality management. Wildlands is committed to a watershed and ecosystem approach to ecological restoration and water quality management, and we provide exceptional services to our clients in an uncompromisingly ethical, innovative, and time-sensitive manner.

Job Description

Required Qualifications

- A four-year degree in biological systems, civil, agricultural, ecological, or environmental engineering, or related field with design experience.
- Undergraduate degree in engineering or similar.
- Licensure as an Engineering Intern (EI) (or in progress) required; PE license preferred
- Experience with AutoCAD Civil 3D, particularly with alignments, profiles, corridors, and surface modeling.
- Experience with hydraulic, hydrologic, and/or watershed modeling.
- Experience preparing technical reports, construction plans and technical specifications, construction cost estimates, and construction administration.
- A general understanding of ecological processes relevant to riparian and wetland restoration in the southeastern United States.
- Experience with ArcGIS and/or AutoCAD Civil 3D.
- Experience with the preparation of construction documents, including construction plans, erosion control, bid estimates, technical specifications, and technical reporting.
- Proficiency using Microsoft Office, including Excel.
- Ability to work in an independent position with cross-office coordination across the southeast.
- Must have a valid driver's license.

Preferred Qualifications

- A graduate degree in a related field.
- Experience with stream and wetland mitigation.
- Licensure as a Professional Engineer (PE) or ability to obtain within six months of hire.
- Experience with design of ecosystem restoration projects, aquatic organism passage (AOP) implementations, and/or dam removal projects.
- Understanding of the Tennessee Stream Quantification Tool (TN SQT) data collection and analysis.
- Previous experience with Conservation Easement establishment and design.

Physical Demands

- Part of the job requirements and the physical demands are performed in outdoor weather conditions with frequent exposure to wet/humid conditions and extreme heat or cold. Other adverse factors may include exposure to ticks and poison ivy. Lifting supplies or equipment up to 50 lb.

PLEASE SEND RESUME AND COVER LETTER TO:

Email (preferred method): resumes@wildlandseng.com; subject line: Water Resources Engineer/Designer

Mailing Address: 13047 Kingston Pike, Knoxville, TN 37934

The cover letter should identify your previous work experience, why you are interested in this position, your approximate available start date, and any other information that you feel is important. Please be prepared to provide contact information for two references, if requested.

Wildlands will not pay a fee to a recruiter or agency, nor will Wildlands consider resumes and applications submitted by a recruiter or agency that does not have a signed agreement with Wildlands.

Wildlands Engineering, Inc. provides equal employment opportunity without regard to race, color, religion, age, national origin, sex, sexual orientation, gender identity/expression, disability, veteran status, genetic information, or any other basis protected by federal, state, or local laws.

Wildlands Engineering, Inc. maintains a drug-free workplace.