



Career Opportunity: Hydrologist and Water Resources Engineer

About Streamworks

Streamworks is a professional engineering firm specializing in stream, shoreline, wetland, stormwater, and dam projects across the Northeast. Streamworks supports its clients through the entire project lifecycle including assessments, planning, conceptualization, design, funding, permitting, public outreach, construction management, and long-term monitoring. Typical projects include watershed studies, flood mitigation plans, stormwater management designs, geomorphic assessments, stream restoration, dam assessments, dam rehabilitation, dam removal, living shorelines, stream and tidal crossing replacements, and fishways. As a small business, Streamworks is a close-knit, “flat” organization with ample opportunity to win, lead, and manage a variety of projects at all phases of the project lifecycle. Streamworks principal offices are located in New Hampshire’s Seacoast and Greater Portland, Maine; Streamworks also maintains a part-time presence in New York’s Southern Tier.

Job Responsibilities

- Commensurate with responsibilities of ASCE Engineer Grade II, III, or IV
- Effectively communicate and coordinate with multi-disciplinary staff, subconsultants, regulatory agencies, and private and public clients to support water resources projects
- Support analyses and designs including but not limited to:
 - Conducting geomorphic field assessments and assisting topographic surveys
 - Hydrologic analyses including statistical techniques (Bulletin 17C) and rainfall-runoff modeling (HEC-HMS; HydroCAD)
 - Hydraulic modeling of riverine, coastal, and dam breach projects using HEC-RAS (1D and 2D), EPA SWMM, and SRH-2D
 - Coastal analyses including tidal datums, storm surge modeling, and wave run-up
 - Design of stormwater management, stream restoration, flood mitigation, stream and tidal crossing replacement, living shoreline, dam rehabilitation, and dam removal projects
- Support the preparation of technical reports for client and regulatory review, including:
 - Technical memorandums detailing engineering calculations and recommendations
 - Engineering Assessments (NY), Phase 1 Inspections (MA), or similar
 - Emergency Action Plans for dams
 - Alternatives analyses and feasibility assessments
 - Basis of Design reports
- Prepare Bid Documents, including drawings and technical specifications
- Support construction including submittal reviews and occasional engineering site visits
- Lead, support, and/or supervise drafting using AutoCAD Civil3D
- Work with and mentor junior and support staff
- Day travel and limited overnight travel (less than ten nights per year)



Benefits

- Expected salary range: \$75,000 to \$125,000, dependent on location and experience with higher range expected for those candidates that are licensed professional engineers and have sufficient experience to self-direct and lead work on similar projects
- Part-time and full-time options with flexible working hours
- Contingent on prior experience and ability to self-direct job responsibilities with occasional check-in with colleagues, option for fully remote work arrangement provided physical location is proximate to existing Streamworks projects

Minimum Qualifications

- Two to five years' experience to perform the aforementioned job responsibilities under the supervision of a Professional Engineer
- Prior experience preparing designs and plans in AutoCAD Civil3D
- Working experience with HEC-HMS or HydroCAD®
- Working experience with HEC-RAS (one-dimensional)
- Technical writing experience

Preferred Qualifications

- Five to ten years' engineering experience to lead the aforementioned job responsibilities with pre-task peer discussion and end-of-task independent quality assurance reviews
- Working experience with HEC-RAS (two-dimensional) and SRH-2D
- Licensed Professional Engineer, or able to become licensed within six months
- Engineering experience in dam safety, stormwater management, watershed planning, nature-like and technical fishways, applied fluvial geomorphology, stream restoration, scour assessments, pipe design, emergency action planning, erosion and sediment control design, regulatory permitting, stream crossing design, and/or tidal crossing design

Interested in Joining Streamworks?

Please submit a current resume to hiring manager Mr. James Woitdt, jwoitdt@streamworkspllc.com.

Anticipated Hiring Schedule :

Jan. 13, 2025 to Feb. 28, 2025:	Advertise position; candidates submit a resume
Through March 15, 2025:	Review resumes; contact short-list of applicants for interview(s)
Through March 31, 2025:	Virtual interview; in-person interview; offer to top candidate
By May 1, 2025:	Position start