

## **WEARE, NH AND UTICA, NY OFFICES**

### **Junior Civil / Water Resource Engineer**

Gomez and Sullivan Engineers, P.C. has immediate openings for entry level civil and water resources engineers with a B.S. in Civil Engineering or similar field (M.S. preferred) and 0 – 5 years experience for our Weare, NH and Utica, NY offices. Ideal candidates will have their E.I.T. and a strong background (education or experience) in hydraulics and hydrology with excellent verbal and written communications skills. Knowledge of sedimentation, geomorphology, survey techniques, river ice, coastal engineering, or natural channel design, as well as experience using the following software packages is considered a plus.

- AutoCAD, or Land Desktop;
- ArcGIS (ArcView through Arc/Info licenses), including the spatial analyst and 3D analyst extensions;
- Hydrologic modeling software including HEC-HMS, HEC-1, TR-55, or similar;
- Hydraulic modeling software including HEC-RAS, HEC-2, River2D, RMA2, MIKE2, or similar;
- Sedimentation and mobile boundary hydraulics modeling software including HEC-6 (HEC-6T), BRI-STARS, G-STARS, or similar;
- Spreadsheet operations modeling as well as HEC-5; and,
- Microsoft Office applications including Word, Excel, Powerpoint, and Access;

This position is being advertised to fill our immediate needs for qualified engineers to conduct digital floodplain mapping, as well as modeling and field work for several dam removal and river restoration projects. Medium- to long-term work will include hydraulic modeling of several large East Coast rivers, construction site supervision, mobile boundary hydraulics modeling and hydraulic analysis in support of environmental analysis.

Responsibilities for this position may include:

- Hydraulic modeling using HEC-RAS for river restoration and dam removals, as well as the development of digital flood insurance rate maps (DFIRM).
- Flood frequency analysis (Log Pearson Type III), watershed delineations using ArcGIS, and hydrologic modeling of watersheds using HEC-HMS or similar programs to determine peak flows.
- Providing support for senior engineering and environmental sciences staff and researching and obtaining materials such as historic mapping, permits, studies, reports, and other documents needed for project support.
- Developing construction sequencing and design plans and specifications, as well as completing permits and participating in technical discussions with regulators and clients.
- Developing operations modeling and energy analyses for the development, upgrading, or relicensing of hydroelectric projects.

- Developing an understanding of the regulatory processes for various projects, including federal, state, and local permitting requirements for projects involving streams, stormwater, and wetlands.
- Technical writing and figure preparation for proposals and projects.

**Apply to:**

Thomas J Sullivan, P.E.  
Gomez and Sullivan Engineers, P.C.  
55 North Stark Highway  
Weare, NH 03281  
603-529-4400  
[tsullivan@gomezandsullivan.com](mailto:tsullivan@gomezandsullivan.com)