

## Senior Hydraulic Modeller

*Any UK Location (Remote Working)*  
**Salary £37,500 - £45,000 p.a. depending on experience.**

Weetwood is a specialist flood risk, drainage, and water management consultancy firm. We have an outstanding reputation, developed over 25 years providing best in class technical consultancy advice. We operate nationally adopting a predominantly home working model, and our staff are based in and around Leeds, Newcastle, Chester/Mold, South Wales and Belfast. We have a solid future workload and ambitious plans for growth.

### The Role

We have an opportunity for a Senior Hydraulic Modeller to join our team and work on a range of UK development sector projects. We have a broad base of clients, including property developers and investors, renewable energy companies, industrial and leisure clients, house-builders, insurers, legal firms, planning consultants and architects, technical consultants and private clients. This is a permanent role.

The role will include:

- Preparing fee proposals
- Scoping technical work
- Preparing channel survey specifications, and liaising with survey sub-contractors
- Developing hydraulic models to assess baseline flood risk; this may include fluvial, tidal overtopping and/or breach analysis
- Reviewing and developing (where required) hydraulic models developed by others
- Estimating model inflows using industry standard hydrological flood estimation methods
- Undertaking site visits to ensure that a hydraulic model appropriately represents the key hydraulic characteristics of the site and locality
- Using hydraulic models to develop and assess mitigation measures, and to assess post development flood risk
- Engaging with statutory consultees to the planning application process
- Preparing hydrological and hydraulic modelling reports
- Liaising/meeting with clients
- Working closely with colleagues, other consultants and clients
- Undertaking CPD to ensure that you remain at the forefront of relevant technical, environmental and social developments.

### About You

You will have a minimum of 5 years' hydraulic modelling experience in a similar role with a UK based consultancy firm, local authority or government agency. You will be hard-working, organised and motivated, and able to work independently as well as part of a team. You will enjoy analysing flood risk issues and developing practical measures to appropriately mitigate the risk, without increasing flood risk elsewhere.

### Essential Criteria

- Experienced user of the FloodModeller/Estry/Tuflow modelling packages
- Bachelor's degree in Environmental Engineering/Science, Geography (with a Physical base), or related discipline.
- You will have experience of hydrological flood estimation methods (WINFAP and ReFH2)
- Competent user of GIS.

- You should have experience of developing others by providing technical guidance and training, or have a desire to do so, and to provide broader technical leadership to others in the team as part of the role.
- You will have excellent verbal and written communication skills.
- You may be based anywhere in the UK. Hybrid working is an option for a candidate based within a commutable distance of our office in Mold (North Wales). Elsewhere, there is an opportunity for using flexible office workspace.

## Desirable Criteria

- Post-graduate degree
- Chartered Member of CIWEM or other relevant institution, or keen to work towards gaining chartership.
- Full UK driving license

## About Weetwood

Our services include undertaking flood risk assessments, developing surface and foul water drainage strategies, preparing detailed drainage designs, undertaking sequential, exception and justification assessments, preparing flood warning and evacuation plans, and undertaking Environmental Impact Assessments.

We are committed to continuous improvement, innovation, client service, and sustainability and are ISO 9001 and ISO 14001 certified. Our business is underpinned by core values relating to sustainability, business ethics, investment in people, and high quality service delivery. We also support a number of charities through a staff led donation scheme.

We offer a comprehensive benefits package including competitive salary and pension scheme, health insurance, a strong commitment to learning and professional development, twice yearly performance appraisals, annual salary review, an internal route to chartership scheme, payment of institution subscription, regular CPD/toolbox talks, twice yearly team events, staff awards, profit/performance based employee bonus scheme, rapid career progression, and flexible working.

## Next Steps

If you are interested, please submit a CV and brief covering letter to [careers@weetwood.net](mailto:careers@weetwood.net). If you would like to discuss the role informally first, please contact Kevin Tilford on 07843 381101.