

FLOOD MODELLING ENGINEER

Bewsher Consulting Pty Ltd is seeking a flood modelling engineer to work in their Epping office in Sydney. Previous professional experience in the field is preferred but is not essential. However a demonstrated aptitude for computer modelling of flood behaviour is essential.

Job Description

- participate in a team of urban/rural flooding and floodplain management specialists who are at the forefront of their field
- under supervision, carry out flood assessments in both urban and rural catchments throughout NSW. This will have an emphasis on assessments in the Sydney area associated with development projects
- conceptualise, establish, calibrate and operate hydraulic and hydrologic computer models of flood behaviour
- interpret hydrological and hydraulic model results to determine the likely behaviour in a real flood
- assess the implications of the modelling results for a development project
- manage your time inputs to ensure modelling tasks are completed on time and within budget

Essential Skills

- engineering degree and preferably, a post-graduate degree with a major in water flooding, hydrology or hydraulics
- aptitude for computer modelling of flood behaviour
- general knowledge of computer systems including CAD/GIS applications
- sound knowledge of the physics of water flow in pipes and creeks
- aptitude for learning new modelling and computer skills

Other Skills (Preferred but not Essential)

- experience in operating and interpreting the results of hydrologic and hydraulic computer models of flood behaviour and urban drainage. This should include most of the following models RAFTS-XP, DRAINS, HEC-RAS, MIKE-11, and TUFLOW.
- experience with AutoCAD and MapInfo software
- excellent verbal and written communication skills
- ability to write technical documents to a high standard
- track record in urban and rural flood assessments in eastern Australia or directly relevant to it

How to Make an Application

Applications should be in writing and mailed to:

Bewsher Consulting Pty Ltd
PO Box 352 Epping NSW 1710, Australia

Make sure your application specifically addresses the essential requirements listed above.

Need Further Details?

Contact Don Still at dstill@bewsher.com.au or Drew Bewsher at drew@bewsher.com.au for further details.