

# Role Description



**Position Title**      **Lead Engineer - Floodplain Management**

**Position Number**      **IFM135**

## **Purpose of Role**

Responsible for technical oversight of floodplain management planning at Moreton Bay Regional Council (MBRC) including the Regional Flood Database (RFD) and associated systems for flood warning and property flood reports, and the day-to-day operation, ongoing development and implementation of identified improvements.

## **Specific Responsibilities**

- Lead a team responsible for hydrologic and hydraulic studies of urban and natural drainage systems undertaken by and on behalf of MBRC and provide expert technical oversight, mentoring and coaching.
- Lead the ongoing development and progressive evolution of Council's RFD, including the flood, storm tide and overland flow models and mapping, in accordance with industry best practice.
- Lead the ongoing development of Council's database management tools, derived information products and the implementation of identified improvements.
- Lead the ongoing development of Council's flood warning system, including data gathering, flood forecasting and derived information used in disaster management planning and response.
- Undertake complex hydrologic and hydraulic flood modelling tasks, and provide expert oversight and mentoring of flood modellers.
- Responsible for the investigation, planning and development of concept designs for floodplain infrastructure projects including compiling and presenting complex strategic and technical reports and stakeholder consultation.
- Contribute to the development of long term strategic policies and programs associated with floodplain management to agreed service standards and the delivery of outcomes in accordance with Council's Corporate Plan and Operational Plans.

## **Work Experiences and Skills – essential**

- Substantial demonstrated relevant experience in a similar role or a role requiring a similar skill set.
- Industry recognised expertise in floodplain modelling, particularly in the use of TUFLOW and WBNM.
- Highly developed time management skills to achieve proficiency and effectiveness in managing conflicting priorities and meeting deadlines.
- Well developed people and relationship skills with demonstrated ability to work in a team environment communicating and motivating effectively at all levels of the organisation, contributing to a positive work environment with a strong focus on provision of quality customer service.

## **Academic, Trade Qualifications and other Licences – essential**

- Degree qualification in Engineering recognised by Engineers Australia.
- Registered Professional Engineer of Queensland (RPEQ).
- Current C class driver's licence.

## **Recordkeeping**

In accordance with council's recordkeeping guideline, ensure that full and accurate records are made of all business transactions conducted on behalf of council and that these records are appropriately kept and stored in the appropriate corporate information management systems.

## Health, Safety and Environment

Ensure your safety and that of your work colleagues at work whilst complying with council's workplace health and safety policies, procedures and practices. At no time are you to perform work duties in an unsafe manner. You must always ensure all risks associated with your work tasks are identified and control actions are implemented before work commences.

## Work Location

You may be required to perform your role from any work location within the region.

## Diversity Undertaking

You may be required to perform duties outside the specific responsibilities within the limits of your skill, competence and training.

## Organisational Expectations

