

## A THRIVING REGION OF OPPORTUNITY WHERE OUR COMMUNITIES ENJOY A VIBRANT LIFESTYLE

### Principal Engineer Floodplain Management

<b>Division</b>	Infrastructure Planning	<b>Department</b>	Drainage, Waterways and Coastal Planning
<b>Reports To</b>	Coordinator Floodplain Management	<b>Direct Reports</b>	No

### Position Purpose

To provide specialist technical engineering expertise and undertake complex investigations of floodplain management issues to meet the needs of the community within the Moreton Bay Regional Council area.

### Key Responsibilities and Outcomes

#### Operational

As a Principal Floodplain Management Engineer within the Drainage, Waterways and Coastal Planning team your responsibilities may include:

- Provide specialist technical engineering advice to key stakeholders in relation to the floodplain management including the provision of expert computer modelling and the development and maintenance of Council's flood data products, systems and tools to drive integrated and sustainable outcomes.
- Investigate complex floodplain management problems and prepare and present technical reports and recommendations to ensure project outcomes are met.
- Coordinate and/or undertake flood studies for waterways and urban environments to support infrastructure projects and long term strategic planning and growth (including management of specialist consultants).
- Contribute to the planning and delivery of floodplain infrastructure projects, including completing the preliminary design, preparation of costings and the acquisition of necessary approvals to ensure project outcomes are achieved.
- Maintenance of council's Regional Flood Database (RFD) and Flood Check Property Report (RCPR) and other flood related databases.
- Undertake the analysis of flood data, compilation of flood related risk matrices and preparation of associated reports to inform the relevant flood hazard overlays and zones within the Planning Scheme.
- Assist in the development and operation of council's Flood Warning System to provide timely analysis and advice in extreme rainfall and flooding events.
- Support the development of team capability to drive a high performance, continuous improvement and customer focussed culture.
- Build strong relationships with internal and external stakeholders to ensure Floodplain infrastructure and service delivery outcomes are achieved.

#### Values

At Moreton Bay Regional Council we are on a journey to creating a great culture. Our values shape the way we behave and how we interact with each other to deliver the best service to the community. The safety of you and the community is our number one priority and we are all responsible for creating an inclusive, safe workplace and protecting our environment. As a team member you will take individual accountability for demonstrating the values expectations and behaviours.

## Decision Making

**Budget** - no direct budget allocation, but responsible for the delivery of a range of projects in the Capital Works program

**Delegations** - Delegations under the Local Government Act 2009 and as directed and published in Council's Delegation Register

## Knowledge & Experience

- Comprehensive knowledge and experience in floodplain management.
- Comprehensive experience in floodplain management infrastructure planning and design.
- Comprehensive experience in completing complex technical investigations relating to floodplain management matters.
- Demonstrated ability to apply critical thinking, reasoning, evaluation and decision making skills.
- Demonstrated experience in the preparation and presentation of complex technical reports and recommendations.
- Strong communication skills to meet the needs of a range of internal and external stakeholders.
- Demonstrated experience in the supervision and training of junior engineers.

## Qualifications

Mandatory:

- Degree in Civil or Environmental engineering or equivalent.
- Current C class driver's licence.

Desirable

- Registered Professional Engineer of Queensland (RPEQ)

*This position description reflects a summary of the key accountabilities of the position, it is not intended to be an all-inclusive list of duties, steps and tasks. Leaders may direct employees to perform other duties at their discretion.*