



Total Water Cycle Management Strategy for MBRC

Local governments in South East Queensland that contain over a certain population are required by the recently revised *Environmental Protection (Water) Policy 2009* to develop and start implementing a Total Water Cycle Management (TWCM) plan before 1 July 2012.

Total Water Cycle Management (TWCM) planning aims to consider all elements of the water cycle to deliver the community's needs for water in a way that optimises social and environmental benefits while minimising costs. This planning is needed to ensure that land use and infrastructure planning is environmentally sustainable, and to ensure reliable water supplies to cater for forecast population growth.

BMT WBM assisted Moreton Bay Regional Council (MBRC) to be the first Council in Queensland to commence the process of TWCM Planning in response to this new legislative requirement, by developing a TWCM Strategy for the region. The Strategy identified key water cycle management issues through a literature review and water accounting process, developed solutions to address these issues and used Multi Criteria Analysis to assist in the assessment and recommendation of catchment specific solution sets for further investigation in the detailed planning phase.

**Client**

Moreton Bay Regional Council

Date

2010

Services & Expertise Provided

Total Water Cycle Management planning;

Identification of key drivers for TWCM specific to MBRC;

Existing and future water cycle accounting;

Identification key water cycle management issues;

Development & assessment of solutions using Multi Criteria Analysis; and

Councillor & key stakeholder consultation.

Example of Water Sensitive Urban Design Retrofit, one of the many solutions assessed using Multi Criteria Analysis