

Pimpama River Catchment & Stormwater Management Plan

Client

Gold Coast City Council

Date

2006 – 2008

Services & Expertise Provided

Water Quality Assessment and
Water Sensitive Urban Design;

Extensive Flood Modelling
Capabilities;

Receiving Water Quality
Modelling Expertise;

Terrestrial and Aquatic Ecology
Skills;

Environmental and Water Quality
Monitoring Capabilities;

Geomorphology and Acid Sulfate
Soils Expertise; and

Community Consultation.

BMT WBM led a expert project team in undertaking studies to develop a Catchment and Stormwater Management Plan for the Pimpama River catchment, including Hotham Creek.

The study was divided into two stages. Stage 1 involved characterising the existing state of the catchment and identifying key pressures and impacts. During Stage 1, our project team undertook ecosystem health assessments of major waterways, geomorphology and riparian vegetation assessments, acid sulfate soil investigations and revision of Environmental Values (EVs) and Water Quality Objectives (WQOs). Hydrologic, hydraulic and water quality models were developed to represent existing and future catchment processes. Community and stakeholder consultation was also undertaken.

Stage 2 of the study used the findings and models developed in Stage 1 to develop a stormwater management plan and riparian management strategy, undertake a siltation management assessment, develop an ongoing monitoring program and undertake active floodgate strategy feasibility investigations. Stage 2 work was further synthesised to develop an overall action plan for the catchment, which identified a set of prioritised management actions for the catchment.

