

FLOOD MODIFICATION MEASURES

This map shows the Flood Modification Measures that are recommended to manage the flood risk in the Hewitts Creek catchment area. Flood Modification Measures are a structural or built measure that will change some of the behaviours of flooding. More details on these measures are provided below.

Drainage Modification (DM)

DM03 - Additional Culvert to the Ocean: A new drainage structure (outlet) under Tingara Park.

DM07 - Culvert Upgrade: improved drainage structure under Cliff Parade creating an outlet to the ocean through Tingara Park.

Channel Modification (CM)

CM10 - South Arm Diversion: Create a lower section between Cliff Parade and the ocean from Thomas Gibson Creek floodwater that overtops Cliff Parade.

Embankments and Levees (LV)

LV01 - Woodlands Creek North Bank Levee: A 170m levee along the north bank of Woodlands Creek with the aim of preventing property inundation along Hewitts Avenue.

Detention Basins (DB)

DB02 - Former Bulli Mine Basin: Undertake embankment stability works to formalise the existing floodplain storage near the old Bulli Mine. These works will allow the construction of an embankment to increase floodplain storage.

Vegetation Management (VM)

VM01/ VM02 Continue Vegetation Management: Managing native and exotic plant species including removal of weeds or debris, thinning of shrub layers or targeting problematic noxious plant species.

Debris Control Measures (DCM)

Implementation of structures on the upstream side of critical stormwater infrastructure to prevent large debris blocking culverts and other critical stormwater assets.

In addition to Flood Modification Measures, there are other ways we can manage flood risk.

RESPONSE MODIFICATION MEASURES (RM)

Response Modification Measures work to change the response of the community to flood hazard through awareness and education, so they can make informed decisions.

Recommended Response Modification measures in this Study include: Amend local flood plans (RM01); Facilitation of communication with Emergency and Response agencies (RM02); Improve community flood education and awareness (RM03); Flood warning improvements (RM04).

PROPERTY MODIFICATION MEASURES (PM)

Property Modification Measures change existing properties, and land use and development controls for future new development, or redevelopment.

Recommended Property Modification Measures in this Study include: Adoption of Flood Planning Levels (PM01); Adoption of Flood Planning Area (PM02); Provision of flood information to residents via S10.7 Planning Certificates (PM03); Managing development in flood prone areas through Development Controls (PM04); Voluntary House Raising (PM05); Voluntary Purchase (PM06); Flood proofing / Flood resilient building guidance (PM07).