

Waroon Road Levee



northern
beaches
council

Option FM9 Capital Costs (excl. GST): **\$185,000**
Draft Structural MCA Rank: **2**



Options Layout
1 in 100 Year Event



Description

Dalpura Street residential properties have an unused vegetated road reserve at their rear where a levee could protect the region from flooding up to the 1 in 100 year event. This option requires a levee with a maximum height of 1.4 m above the existing surface and approximately 150 m in length. This option may result in the removal of flooding on 10 residential properties for the 1 in 100 year event.

Modelling Results

The results of the simulations show that the Waroon Road levee successfully mitigates the impacts of flooding on the properties behind the levee. The levee results in a minor increase in water level within the creek extents (approx. 0.02m) however this does not encroach significantly on adjacent properties. It is likely the small impacts present could be offset with minor drainage alignment works or protection on the opposite side of the creek channel.