



## The Esplanade East – climate coastal risk overview

There are 15 risks rated medium or high at this location. One is rated high in 2030, this rises to seven in 2100.

**Prior to 0.8 m SLR, most risks at this location are minimal.**

There is one key risk that arises at 0.5 m SLR, that is the risk to 81 private properties. The risk profile grows under the 0.8 m SLR, with risk to private properties increasing to 219. Other risks relate to the sewer network, roads and generally low lying infrastructure such as drainage outfalls and boat ramps.

The medium (yellow) and high (orange) risks that have been identified for this location are listed in the table below. Where risks are duplicates at the different SLR scenarios, the highest rated risk is included and other SLR scenarios noted.

Risk	Asset	SLR scenario	2030	2100
Private dwelling inundated Esplanade East (219) <sup>1</sup>	Private	0.8 m		
Boat ramps inundated at Steels Rocks <sup>2</sup>	Open space	0.2 m		
Drainage pipes and pits (299 m and 18 pits) <sup>3</sup>	Drains and water network	0.2 m		
Gravity Sewer Pipes inundated (79 m) <sup>4</sup>	Drains and water network	0.2 m		
Coastal trail inundated (388 m) <sup>5</sup>	Open space	0.2 m		
Bay outfalls inundated	Drains and water network	0.8 m		
Roads inundated (3,600 m)	Roads and footpaths	0.8 m		
The Esplanade water pipes inundated	Drains and water network	0.8 m		

<sup>1</sup> 81 properties inundated under the 0.5 m SLR scenario

<sup>2</sup> This risk continues under 0.5 m and 0.8 m SLR scenarios

<sup>3</sup> This risk is also rated medium under the 0.8 m SLR scenarios with 2 km of drains and 63 pits inundated

<sup>4</sup> This increases to 2,769 m sewer gravity pipes and 54 sewer nodes under the 0.8 m SLR

<sup>5</sup> This increases to 1,400 m under the 0.8 m SLR scenario