



Fisherman flats – climate coastal risk overview

Fisherman flats has the highest number of medium and high rated risks across the region – 30 risks. Low lying, the risks at this location also commence under the 0.2 m sea level rise (SLR) that includes a 1% annual exceedance probability (AEP) storm event.

This is a low lying area, and there are immediate risks to assets in this location.

Five risks are rated high in 2030, this rises to two extreme and 22 high rated risks in 2100. The extreme risks at this location are the risks to low lying private property, which commences under the 0.2 m SLR.

Other risks that occur under the 0.2 m SLR scenario include potential inundation of the Maritime museum, boat ramps, roads and the drainage system (there are four risks to the drainage system at 0.2 m SLR).

The two other high risks in 2030 are the environmental risk associated with the inundation of the intertidal zone in Swan Bay and Swan island, and the risk to the coastal parkland in Queenscliff.

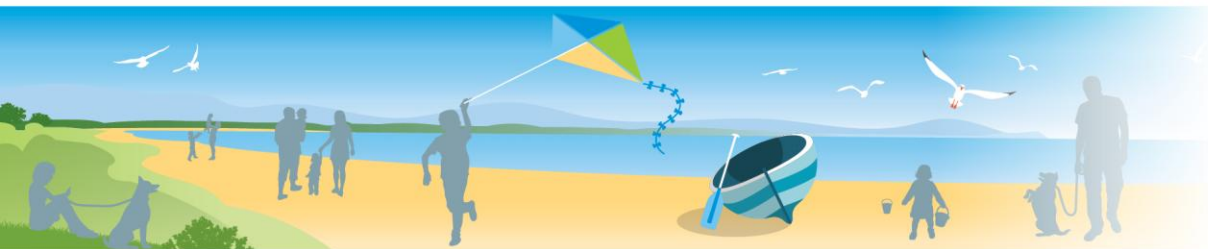
The medium (yellow), high (orange) and extreme (red) risks that have been identified for this location are listed in the table below. Where risks are duplicates at the different SLR scenarios, the highest rated risk is included and other SLR scenarios noted.

Risk	Asset	SLR scenario	2030	2100
Fisherman flats residential areas inundated - number of properties 59 ¹	Private	0.2 m		
Coastal parkland Queenscliff foreshore inundated ²	Open space	0.8 m		
Intertidal zone inundated in Swan bay and Swan island ³	Environmental	0.8 m		
Fisherman flats drain outlets inundated	Drains and water network	0.2 m		
Drainage pits inundated (pits 26)	Drains and water network	0.2 m		

¹ 63 properties inundated at 0.8m

² Risk commences at 0.5 m SLR

³ Risk commences at 0.2 m SLR



Gravity sewer inundated (847 m) ⁴	Drains and water network	0.2 m		
Maritime museum inundated	Open space	0.2 m		
Swan Island open space inundated	Open space	0.5 m		
Boat ramp inundated at the Harbour	Open space	0.2 m		
Roads inundated (1,705 m) ⁵	Roads and footpaths	0.2 m		
Salt water intrusion into sewer system ⁶	Drains and water network	0.2 m		
Electricity substations inundated (2) ⁷	Power-electricity	0.2 m		
Senior citizen home inundated	Private	0.8 m		

⁴ 1,236 m of gravity sewer inundated at 0.8 m SLR

⁵ Increases to 2,159 m at 0.8 m SLR

⁶ Risk continues to be rated as medium and high under the 0.5 m SLR scenario

⁷ Risk continues to be rated as medium and high under the 0.5 m SLR scenario