



Lakers Cutting – climate coastal risk overview

Lakers Cutting is a low-lying location, making it a high risk area. Risks start to occur at 0.2 m sea level rise (SLR). This location has 18 medium or highly rated risks – four rated high in 2030, which increases to 14 rated high in 2100.

A large number of private properties are at risk in this location, particularly under the 0.8 m SLR scenario.

The risk of private property being inundated is the largest risk for this location. It commences at 0.2 m SLR. This location has the highest number of private property inundated 389 and 639 respectively under the 0.5 m and 0.8 m SLR scenarios.

The other highly rated risk for the location is the risk of damage to saltmarsh due to increased inundation. This risk only becomes high at 0.8 m SLR. It is noteworthy that the hectares of EVC 302 and EVC 858 (ecological vegetation classes) inundated in Lakers Cutting are quite high compared to other locations. Within this location there is also a risk to red neck stints nesting locations.

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.

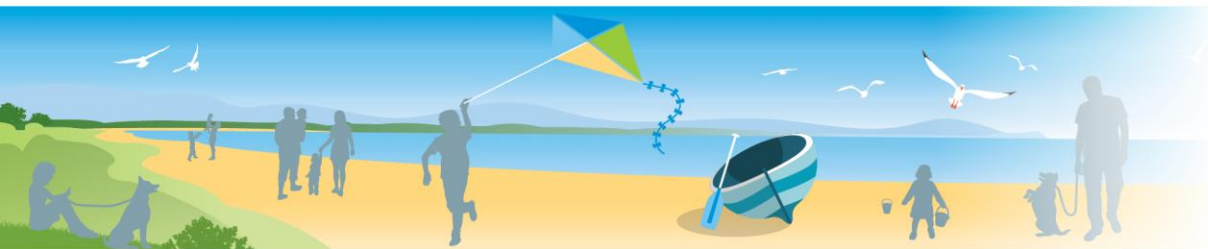
Risk	Asset	SLR scenario	2030	2100
Lakers Cutting private residential properties inundated - number properties 48 ¹	Private	0.2 m		
Muddy flats inundated (EVC 302 - saltmarsh 42.16 ha) ²	Open space	0.8 m		
Private stormwater sites inundate ³	Drains and water network	0.8 m		
Salt water intrusion into sewer system	Drains and water network	0.5 m		
Roads inundated in Lakers Cutting (BoQ - 1134 m, VicRoads – 74 m) ⁴	Drains and water network	0.2 m		

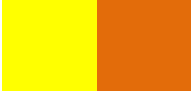



¹ This increases to 389 under 0.5 SLR scenario and 639 under the 0.8 m SLR scenario.

² This risk is very similar under the 0.2 m SLR scenario with inundation of EVC 302 of 39.63 ha and EVC 858 of 13.73 ha

³ This risk is also rated medium or high at 0.2 m and 0.5 m SLR scenarios.

⁴ Roads inundated at 0.8 m SLR increase to BoQ roads – 8,057m, VicRoads – 1,516m, CoGG roads- 2,301).



Gravity sewer inundated 6,205 metres ⁵	Drains and water network	0.5 m	
Lonsdale House childcare inundated	Private	0.8 m	
Bellarine Community Health Ltd health and care facilities inundated (2 – one child and one general health)	Private	0.8 m	
Migratory birds (Red neck stints) nesting locations inundated during migration season	Environmental	0.8 m	

⁵ 10,337 m of sewer inundated under the 0.8 m SLR scenario.