



The Spit – climate coastal risk overview

There are two risks rated as medium over 2030 and 2100 at this location and both are environmental risks.

There are very few risks to this location.

The risk to the Barwon River mouth and tidal channel leading to inundation of sandy beaches occurs under the 0.8 m sea level rise scenario. The other risk is the potential erosion of the Spit leading to the estuary switching from a low energy environment to high energy environment occurring under any scenario.

Another noteworthy risk is to the access to the bridge from Barwon Heads to Ocean Grove, which falls in this location as well as the Barwon Heads location. This risk could affect services that run along the bridge – telecommunications, water and electricity. It is rated as medium at 2030 and 2100.

The medium (yellow) risks that have been identified for this location are listed in the table below.

Risk	Asset	SLR scenario	2030	2100
Erosion of the Spit leading to the estuary switching from low energy environment to high energy environment	Environmental	unknown		
Barwon River mouth and tidal channel leading to inundation of sandy beaches	Environmental	0.8 m		