



Barwon Heads – climate coastal risk overview

While there are some risks that start to occur at the 0.2 m sea level rise (SLR) scenario, these risks are not rated high at 2030. The risks rated highly in 2030 are all risks that occur under the 0.8 m SLR.

Generally all the highly rated risks (including those in 2030 and 2100) relate to the inundation of private property (131 properties at 0.8 m SLR scenario), environmental, and open space assets. The other noteworthy risk is to the bridge from Barwon Heads to Ocean Grove.

In total there are 11 risks that have been rated as high or medium for this location.

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.

Key risks commence under the 0.5 m and 0.8 m SLR scenarios and are associated with private property and open space assets

| Risk | Asset | SLR scenario | 2030 | 2100 |
|--|--------------------|--------------|--------|------|
| Inundation of 131 private buildings ¹ | Private | 0.8 m | | |
| Inundation of Barwon Heads ocean beaches ² | Open space | 0.8 m | | |
| Inundation of Barwon estuary (13.84 ha wetlands, 12.2 ha EVC 992) ³ | Environmental | 0.8 m | | |
| Inundation of river beaches on Barwon Heads side | Open space | 0.5 m | Medium | High |
| Inundation of main playground in Barwon Heads | Open space | 0.8 m | Medium | High |
| Inundation of bridge from Barwon Heads to Ocean Grove | Roads and footpath | 0.8 m | Medium | High |

¹ 10 properties inundated under the 0.2 m SLR scenario and 51 properties inundated under the 0.5 m SLR scenario

² Medium rated risk commences at 0.5 m SLR scenario

³ Risk commences at 0.2 m SLR with similar levels of EVCs inundated