

- ZFRC landward extent 2020
- ZFRC landward extent 2030
- ZFRC landward extent 2040
- ZFRC landward extent 2070
- ZFRC landward extent 2120

By **2120**, foundations under the cricket oval, the bowling club and several residential properties will be at risk during severe storms.

The **2020** line tells us that the foundation under Memorial Drive is already at risk during severe storm events.

The natural rocky cliff face provides protection from erosion and sea level rise.

Seawalls, such as the one located here, provide protection from storm surge, coastal erosion and sea level rise.

Natural bedrock provides protection from erosion and sea level rise.

What do the coloured lines mean?

The **Zone of Reduced Foundation Capacity (ZRFC)** is an area where the ability of the ground to act as a stable foundation in severe storm events is questionable. The coloured lines represent the **1% Annual Exceedance Probability (AEP)** for the ZRFC. The area of the coastline this covers changes with the amount of wave energy crashing upon the shore.

1% AEP for the ZRFC means that there is a 1 in 100 chance of a weather event causing ground instability beyond this line in a given year. 1% AEP is widely accepted as the basis for planning purposes across Australia.

These lines represent the 1% AEP if we do not employ any management options for this stretch of coastline. The position of these lines would be revised based on the management option or combination of options identified in the development of the CMP. As you can see, the coloured line moves inland over time as the frequency and extent of coastal inundation increases, based on the climate change modelling used in the Coastal Processes Review.

