YORKE PENINSULA COUNCIL FACT SHEET
COASTAL PROTECTION STRUCTURES PROJECT
PINE POINT LEVEE & SEAWALL CONCEPT

Why do we need protection at Pine Point?

Pine Point is located towards the northern end of Gulf St Vincent, and is vulnerable to seawater flooding and erosion during high tides and storm surges. Over time the seawater flood and erosion risk will also increase with sea level rise.

Council has undertaken several studies, investigating the potential extent of seawater flooding at Pine Point and identifying potential future adaptation options to manage seawater flood risks. This seawater flood study is available online at:

https://yorke.sa.gov.au/content/uploads/Seawater-Study-Pine-Point-Adaptation-Options.pdf

The flood study identified that portions of the southern Pine Point townsite are currently vulnerable to seawater flooding, with the risk increasing with sea level rise (refer Figure 1). This area requires flood protection to prevent inundation of properties, roads and other assets. Rock seawalls are also required to prevent erosion damage to levees and properties in exposed locations at the rear of the beach.

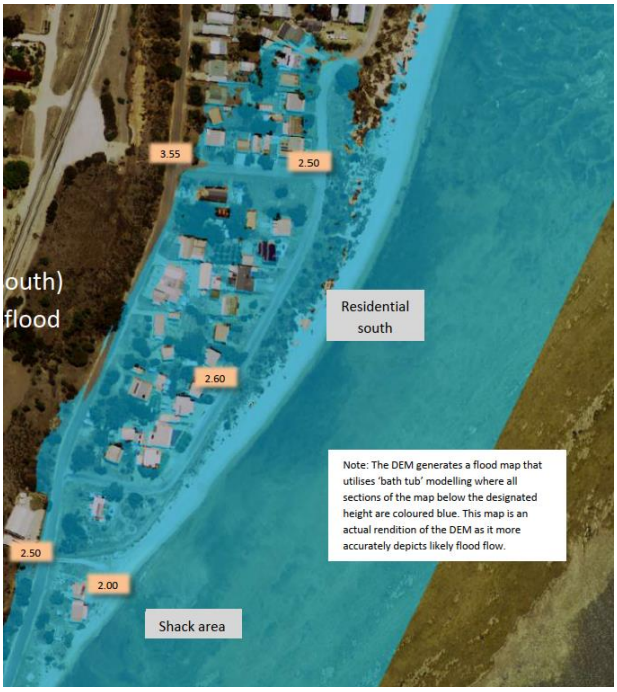

Figure 1 – Pine Point flood risk extent

What protection options are available?

In 2022/23 Council received Coastal Protection Board grant funding to develop protection options at Pine Point and 3 other townsites on the eastern Yorke Peninsula coastline. This study has used recent survey data collected on site combined with updated water level information from the Department of Environment and Water (DEW) to develop protection concepts.

For Pine Point, the proposed protection concept involves a series of levees and rock seawalls to prevent seawater flooding. The proposed concept is presented in Figure 2 on the following page and consists of:

1. A 0.5m to 1.5m high levee running parallel to the Esplanade tying into high ground in the north.
2. A 1m to 2m high levee and seawall running parallel to the Esplanade, extending in front of the shacks, tying into high ground in the south.

What are the potential impacts?

The impacts of the proposed structures include:

- Visual impact of the levee and seawall. The levee will be capped with topsoil to promote the growth of grass to be walkable and appear less visible.
- The beach in front of the rock seawall will be lost over time as sea levels rise. Beach access will also be more difficult in front of the seawall sections.
- Requirement for clearing of some vegetation on the coastal reserve lot between the Esplanade and the ocean.

When would these options be implemented?

Protection options are likely to be constructed in the short to medium -term, with Council working closely with the community on funding models, including potential co-funding arrangements.

What next?

Council will be holding a community information session on 10/08/2023 at 2.30pm at Pine Point Community Hall to discuss the concepts. Interested community members are encouraged to attend and provide any feedback.

Approvals and detailed design of the proposed seawall will develop once community and key stakeholder feedback has been received.

Want further information?

If you require further information on the project, please contact us at:

P | 08 8832 0000

E | admin@yorke.sa.gov.au

Figure 2 – Levee and seawall concept plan