

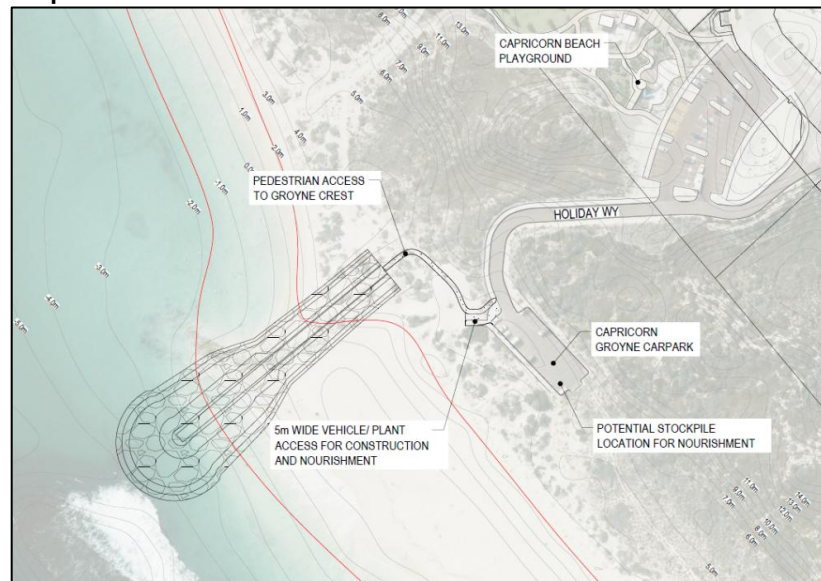
Yanchep Coastal Management Study - Preferred Management Approach

Capricorn Groyne Extension

The study has recommended refurbishment and extension of the Capricorn Groyne, based on the outcomes of detailed coastal processes modelling, multi-criteria assessment and benefit-cost analysis. Key benefits of the option include:

- Improvement in beach width and amenity along Yanchep Beach,
- Reduction in nourishment requirements,
- Cost-effective given the existing structure/material already in place and reduced nourishment,
- Opportunistic as the existing groyne has deteriorated to a poor condition and requires significant maintenance, and
- Opportunity to incorporate access for improved fishing opportunities.

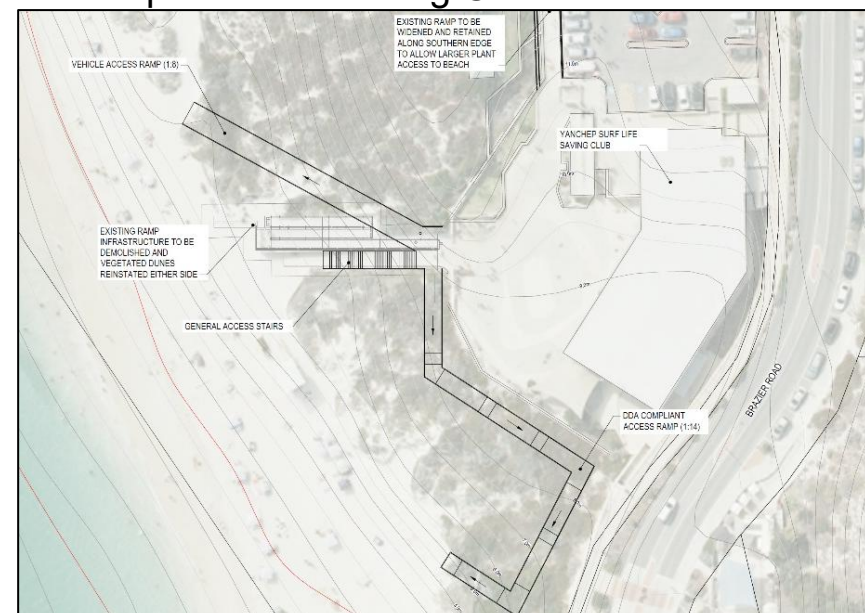
Further design refinement will identify the optimal length, position and orientation of the groyne, and ensure there are no adverse impacts to the environment.



Yanchep Lagoon Beach Access Redesign

The study has recommended redesigning/ relocating beach access infrastructure at Yanchep Lagoon. Although the groyne extension and proactive nourishment is expected to provide a wider beach buffer for existing access infrastructure, the risk of exposure and damage during storm events still remains and will increase in the future with sea level rise. Key benefits of the redesign include:

- Providing dedicated access to the beach for pedestrians by stairs and a Disability Discrimination Act (DDA) compliant ramp, which are separated from the vehicle access ramp for safety,
 - Locating infrastructure away from the shoreline and deepening foundations to avoid undermining and damage,
 - Terminating the DDA ramp further south to a more stable and sheltered part of Yanchep Lagoon. Universal access matting could also be installed at this location, facilitating easier access to the beach, and
 - A reduced need for reactive nourishment.
- Beach access alignment/location will be further refined during detailed design following further consultation with stakeholders including the Yanchep Surf Life Saving Club.



Fisherman's Hollow Beach Access Extension

Fisherman's Hollow to reduce the risk of future damage and beach access restrictions from erosion at the existing structure. The assessment of coastal processes has identified that shoreline changes at this location are mostly seasonal and coastal management measures are not required at this location.

