

Locality summaries

LOCALITY: Dohles Rocks (Griffin)

The Dohles Rocks foreshore is located on the Pine River and includes both residential and agricultural land as well as recreational boating and fishing facilities along the northern foreshore (Figure 1). The Dohles Rocks foreshore area also has significant environmental values and includes the Osprey House Environmental Centre, shorebird areas and significant wetlands. The foreshore also provides public recreational facilities and access to the Pine River.

Existing structures are in place to manage shoreline position and mitigate erosion, including a seawall at Dohles Rocks. The seawall and adjacent stormwater drainage require improvements to minimise tidal inundation that can be experienced in low-lying areas.

Low-lying areas are currently prone to erosion, tidal and storm tide inundation and this is likely to increase in the future. Dam releases can significantly increase tidal inundation during severe weather.

Dohles Rocks is particularly at risk and is a high priority for adaptation response. Assets at risk include the only access road to Dohles Rocks village area, public foreshore infrastructure and private assets.




The present day adaptation response for the Dohles Rocks foreshore area is to actively manage coastal hazard risk. If the risk exposure to very high intolerable risk properties can be reduced by 2050, the future adaptation response will be to continue to actively manage coastal hazards.

The adaptation pathway includes a focus on maintenance and upgrades of existing structures, and developing a pilot Local Resilience Plan for Dohles Rocks (Table 1). Region-wide actions also apply where relevant to this locality.



Figure 1. Dohles Rocks (Griffin)

Table 1. Dohles Rocks (Griffin) adaptation pathway

	Sea level rise projections		
	Present day	2050	2100
Adaptation response	Actively manage 	Actively manage 	Transition and change 
Adaptation Actions			
Region-wide initiatives to enhance custodianship	As per region-wide actions, including:		
<i>Community stewardship</i>	Raise community awareness and enhance social adaptive capacity for inundation hazards.		
<i>Knowledge sharing</i>	Action 1.2.3 - facilitate training / education workshops / events, focusing on nature-based solutions (mangroves, dunes, living shorelines) and resilient homes.		
Planning	As per region-wide actions, including:		
<i>Place-based planning</i>	Local Resilience Plan pilot site - develop place-based Local Resilience Plan for Dohles Rocks to assist with coordinated adaptation and transition planning in the long-term.	Review adaptation pathway and reduce 2100 approach to “actively manage” if a resilient built form for very high intolerable risk properties is achieved.	
<i>Disaster management</i>	Review alternatives to using tank water in recovery post inundation to properties through the Local Resilience Plan.		
Maintaining and improving infrastructure	As per region-wide actions, including:		
<i>Increasing infrastructure resilience</i>	Promote resilient homes within the community and building sector (link in with action 1.2).		
	Review opportunities to improve drainage networks and backflow prevention devices where the risk of inundation is high (embedded within asset management plan). Investigate the drainage network including stormwater run-off and tidal inundation landward of the foreshore area as part of the Local Resilience Plan.		
<i>Relocate infrastructure</i>	Implement the Local Resilience Plan based on findings.	Review the Local Resilience Plan for further actions.	Review the Local Resilience Plan for further actions.
Environmental protection, maintenance and enhancement	As per region-wide actions, including:		
<i>Environmental enhancement</i>	Coastal management plans for the protection of highly valued environmental areas and significant habitat.		
	Investigate risks to key coastal environmental values, including options to respond to those risks, changing ecological needs and climate change considerations, so that our natural areas and habitats are connected, protected and enhanced.		
Coastal engineering and nature-based	As per region-wide actions, including:		
<i>Living shorelines</i>	Implement the Local Resilience Plan based on findings.	Review the Local Resilience Plan for further actions.	Review the Local Resilience Plan for further actions.
Coastal engineering	As per region-wide actions, including:		
<i>Coastal hazard protection works</i>	Upgrade and maintain existing shoreline protection works. Implement seawall prioritisation works at Dohles Rocks foreshore. Implement Local Resilience Plan based on findings.	Review the Local Resilience Plan for further actions.	Review the Local Resilience Plan for further actions.