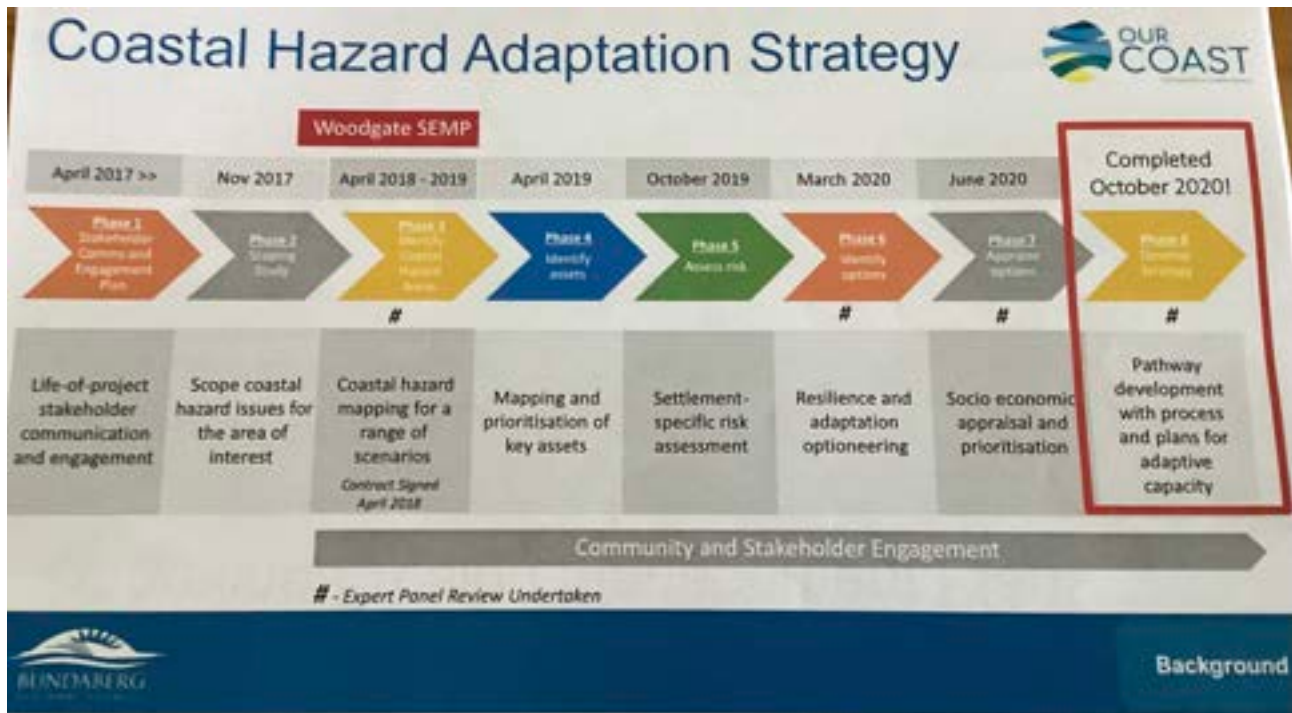


## Woodgate Beach Shoreline Erosion Project Update: (SEMP)

Information in this update has been taken directly from a document prepared by Dwayne Honor- Branch Manager Engineering Services and Craig Sheater- Project Manager Major Projects for the Bundaberg Regional Council.

- The first stage as detailed below involved detailed studies, engineers reports and expert panel consultation.



- The recommended strategy was the construction of a buried sea wall.



- Engineering used the SEMP to inform the design involving 240 metre of buried rock revetments; and 16,000 m<sup>3</sup> of sand nourishment either side of the Woodgate Beach Boat Ramp. This design was completed January 2020.

*“As residents are aware it took till September 2023 to finally gain the necessary Government Approvals. Unfortunately over this time the rate of erosion increased substantially with severe erosion occurring as far down as the Second Avenue Amenities Block with the loss of over 100 shoreline trees, the removal of one Norfolk Pine and the loss of the pathway”.*

*“ In September 2023 residents gathered to voice their frustration and concern”*



- In April 2024 the BRC undertook a review of erosion rates and volume of nourishment required.
  - Between 1979 and 2018, the Central Precinct maintained stable; however, **erosion**

Scenario	Total Volume	Length	Volume / m
2018 SEMP Recommendation	16,000m <sup>3</sup>	700m (400m north, 300m south of boat ramp)	23m <sup>3</sup>
2024 Updated Recommendation	33,000m <sup>3</sup>	1300m (400m north, 900m south of boat ramp)	23m <sup>3</sup> (north of boat ramp) 26m <sup>3</sup> (south of boat ramp)

**rates have intensified since 2018, and particularly since 2022.**

- Scope was increased in line with review findings.



- Construction Update:
  - Construction started mid-May 2024
  - Construction works (excluding revegetation planting and watering will be completed by 4 December 2024
  - 56,000t of sand had already been placed ( 33,000 -34,000 m3 )
  - Sand Import Rate(average) 2,100 t / week to stockpile site.Equivalent to 58 truckloads (truck and dog) per week from quarries.
  - Sand Placement Rate (up to) 1,000t / day (sourced from local stockpile).



**Additional Works: 1st Avenue to 2nd Avenue**

*“ Due to the scope of erosion extending from 1st Avenue to 2nd Avenue which was not included in the original SEMP to protect the infrastructure of paths and especially the Ammenities Block the Council obtained a Minor Change to Development Approval in September 2024 which enabled the placing of Sand to rebuild the dunes and protect the bank between 1st and 2nd Avenues ”.*



## Next Steps:

- **\$300,000 Works For Queensland Funding Secured** for detailed business case and **options analysis** for Woodgate Beach Shoreline Erosion management.
- Estimated commencement date October 2025 - June 2026. **Seeking to bring forward?**
- Included detailed sediment modelling to quantify coastal processes and root cause of increased erosion rate.
- Seek to unlock sand source at Theodolite Creek and **demonstrate impact** on littoral transport along the coast.
- Assess whether sand from the shoals and / or dunes/ beach could be backpacked (either trucked or pumped) for nourishment.
- **Determine the best whole of life cost options for permanent coastal management works. Seek external funding support.**
- **Coastal engineering advice suggests -\$15M -\$30M may be required within the next 10 years to extend the seawall.**
- Planning for a **control line** may be helpful for future proofing the Woodgate Community.

*“ Since work was completed in December the added sand has been battered by wind, waves and very high tides. Erosion of the rebuilt dunes has occurred however, residents are reminded that had the work of the buried seawall and sand nourishment not have been undertaken then it would have resulted in more severe erosion of the already degraded banks, the loss of more trees and the possibility that our worst fears where the sea may have broken through resulting in at least property loss and at its worst endangered lives.*

A watering system has been laid the length of the Foreshore Erosion Project from north of the Boat Ramp to the Second Avenue end point. Planting of the dunes has been undertaken and are taking well. Plantings include small Silky Oak trees, vines and grasses. Allocated entry points to the beach are clearly marked to ensure that the dunes have a chance to settle and replenish.

Updated 12th February 2025