

# Our Erosion Management Plan for Holloways Beach and Clifton Beach

Sand erosion poses a risk to the amenity of our beaches, the vegetation that lines them and nearby properties and infrastructure. Cairns Regional Council has been addressing this ongoing issue on the Northern Beaches for many years, with a particular focus on Holloways Beach and Clifton Beach.

## What has Council done so far?

- Continued to add sand at Holloways Beach and Clifton Beach. Unfortunately, this is not a sustainable solution due to the high cost and unpredictability of how long the sand will stay in place.
- Developed a new Shoreline Erosion Management Plan with options to mitigate erosion, including construction of two groynes at Holloways Beach in 2021 that have proven effective.
- Undertook a Sand Sourcing Study to see how much sand is available and where it can be secured for the purpose of beach nourishment.

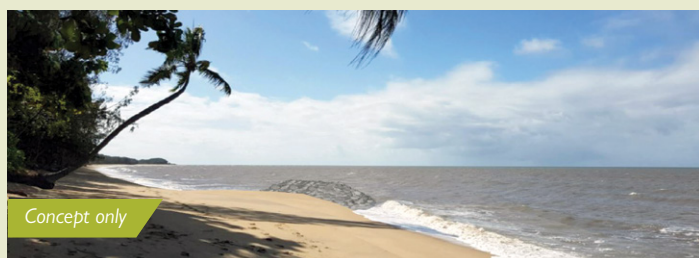
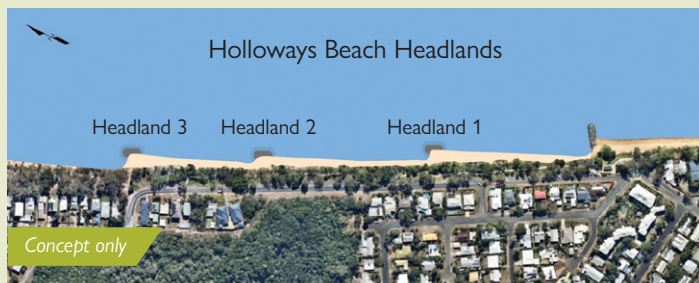
## What is Council's future solution?

Council now intends to install rock headlands at Holloways Beach and Clifton Beach. These are physical structures placed near the shore, running parallel to the beach, which:

- Mimic naturally occurring rock formation to encourage sand retention.
- Have proven successful in other parts of Queensland and overseas.
- Reduce the frequency and cost of sand nourishment.
- Retain the beach's amenity for users.

### The rock headlands will be:

- Detached from the foreshore, approx. 20m offshore
- Approx 15m long, parallel to the beach
- Crest level 600mm above the highest annual tide



## What happens next?

After obtaining the necessary approvals, Council expects to install three headlands at both Holloways and Clifton Beach, in stages with one installed at each beach in late 2023.

The remainder will be installed at a later date, subject to the performance of the first structures and available funding.

The headlands won't stop sand erosion completely and Council will still need to add sand in the future, however the frequency of nourishment will be significantly reduced.

Council will continue to address erosion at other beaches through the normal initiatives such as sand nourishment.

## To find out more:

➤ [www.cairns.qld.gov.au/community-environment/climate-change/our-cairns-coast](http://www.cairns.qld.gov.au/community-environment/climate-change/our-cairns-coast)