



## GEOFABRICS CASE STUDY



# ELCOROCK SAND CONTAINER RESTORES CAMPGROUND AFTER CYCLONE ALFRED

## PRODUCTS USED

### ELCOROCK® GEOSYNTHETIC SAND CONTAINER

- Made from Texcel®, a unique staple fibre blend of polyester and polypropylene, this shoreline protection system uses sand filled geosynthetic containers formed to construct barriers against coastal erosion
- Long-term outdoor durability in exposed applications due to high quality virgin polypropylene Texcel non-woven fibres which have a unique stabiliser and antioxidant formula
- A gentle batter facing the sea, fostering less severe beach erosion compared to alternative solutions
- A more cost-effective alternative to traditional coastal erosion protection systems made from concrete, rock armour, steel or timber

## PROJECT DESCRIPTION

Woody Head Campground, located near Iluka on the north coast of New South Wales is a popular destination for local families. The site offers caravan parking, cabins, and easy access to beaches and boat ramps, along with nearby rainforest walks and shallow reefs. This stretch of coastline sits within Bundjalung National Park.

In March 2025, Cyclone Alfred severely depleted the beach sand and caused severe damage to the tree line. The client, National Parks and Wildlife, required an effective solution to restore the shoreline while ensuring continued access and recreational opportunities for visitors.

## OUR SOLUTION

Geofabrics supplied Elcorock geosynthetic sand containers (GSCs), which were installed by the contractor to restore the eroded beach. Around 300 sandbags were filled close to the site, minimising transportation and handling. Installation of the 0.75 m<sup>3</sup> Elcorock GSCs was completed in approximately one week, providing an effective barrier to prevent further beach loss.

The sand containers provided immediate protection to the shoreline and tree line, mitigating erosion and preserving the natural environment. The solution was durable, cost-effective, and well-suited to the sensitive coastal conditions of Bundjalung National Park, helping to safeguard the area for future visitors.





**0.75** m<sup>3</sup>  
Elcorock  
GSCs



**Long-term**  
coastal  
protection



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