

GEOFABRICS CASE STUDY

AQUAROCKBAG RESTORES SURFERS PARADISE BEACH AFTER CYCLONE ALFRED

PRODUCTS USED

AQUAROCKBAG®

- A durable mesh net made from premium virgin HDPE or polyester materials
- Offers minimal environmental impact during installation to preserve the natural habitat and reduces the risk of secondary environmental damage
- Adaptable to various site conditions and can be reused in different projects, allowing for easy reconfiguration and relocation
- Net offers excellent anti-abrasion properties and high UV resistance
- The net can be filled on-site using a portable filling frame and machinery, which makes installation quick and easy



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PROJECT DESCRIPTION

Surfers Paradise Beach on the Gold Coast was severely impacted by Cyclone Alfred in March 2025, which removed more than 4 m^3 of sand from the shoreline. The embankments near the main road and walkways were heavily eroded, creating a significant escarpment along the beach. With Surfers Paradise being both a residential hub and an international tourist destination, restoring the coastline quickly and effectively was critical to maintaining public safety and accessibility.

Geofabrics was contacted for a coastal protection solution that could be deployed rapidly and withstand challenging environmental conditions.

OUR SOLUTION

To stabilise the beach and protect against further erosion, more than 400 AquaRockBags were installed on site, ranging between 2 to 4 tonne units. These bags acted as a principal barrier against wave energy, enabling sand pumping and natural replenishment to take place effectively.

The AquaRockBags and sandbags were lined and buried beneath the sand, allowing for dune restoration and future beach resilience. Their rapid installation minimised disruption to the area and reinforced the eroded dunes near the main walkway and road. This provided a sustainable protective layer to mitigate the impact of future storms.

The project restored sand lost during the cyclone and revitalised Surfers Paradise Beach for both the local community and visitors.

GEOFABRICS®
Sustainable solutions





400
AquaRockBags installed

Sand replenishment solution



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or **geofabrics.co.nz** or call 0800 60 60 20 (NZ)

GEOFABRICS®

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