

Mangles Bay

Rockingham, WA – Situated on Point Peron Road, overlooking Cockburn Sound in Western Australia, the Mangles Bay Fishing Club has been the go-to location for fishing enthusiasts since 1973. Once known as the ‘Marchant House,’ which translates to ‘a house of fishermen,’ this fishing spot has welcomed members ranging from professional to beginner anglers around the Peron area, offering a safe and accessible fishing haven.

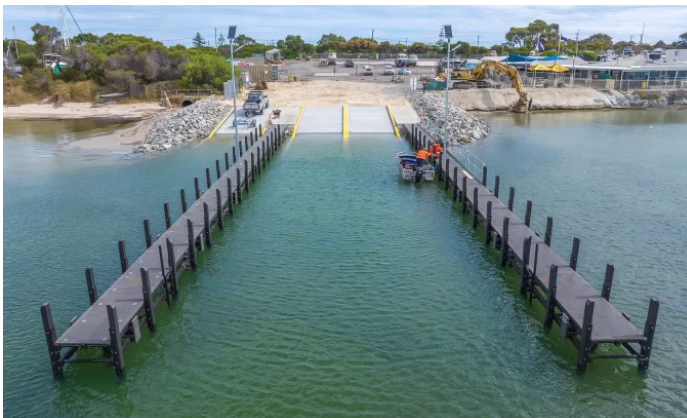
Recently, the club underwent significant upgrades to its facilities, including the construction of a new jetty. As part of this upgrade, Treadwell was engaged by Italia Stone to supply the FRP grating and wave action fasteners needed for the new jetties.

Project Challenges

- Installation was subject to weather conditions.
- The structure, being surrounded by large bodies of water, must be able to withstand the strong impact of waves or high tides.
- Structure needed to withstand corrosion, UV exposure and other environmental challenges.

PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Supply FRP grating and wave zone fasteners
Treadwell Products:	EX-Series® GratEX® FRP Mini Mesh Grating EX-Series® StormChief® Wave Zone Fasteners



Treadwell Solution:

- 1** The lightweight nature of FRP allows for quick installation, without the need for heavy machinery, making it ideal for this weather dependent location.
- 2** The EX-Series® StormChief® fastening system is the optimal maritime grating fixing system, designed to withstand wave zone loading, and can be easily installed from the top surface.
- 3** The openings in GratEX® FRP Mini Mesh grating allow water to fall through, creating a self-maintaining anti-slip surface. This minimises the risk of stagnant water, and allows for optimum user safety.
- 4** Treadwell FRP products are constructed from premium resin systems that include corrosion resistant properties and UV inhibitors, making it ideal for this coastal application.
- 5** FRP is easily installed without the need for heavy machinery, and any variance on tasks is managed with hand tools, eliminating the need for any hot works permit.