

Delivering Durability in the Wetlands: Custom FRP Viewing Platform for Lake Gillon

FRP Engineering partners with the City of South Perth to design and install a corrosion-resistant, low-maintenance pedestrian platform that enhances community access to a valued natural space.

THE PROJECT

Project Category:
Scope of Work:

FRP Infrastructure
 Design, fabricate, and install a custom FRP viewing platform.

Solution:

FRP structural profiles for strength and durability, along with FRP mini-mesh grating, which provided excellent slip resistance, effective water drainage, and long-term low maintenance.

Project Challenges:

The project addressed challenging terrain with custom footings and a tight timeline by prefabricating platform components off-site for

THE SOLUTION:

FRP Engineering designed a customised viewing platform tailored to suit the natural setting and the needs of the local community. To minimise disruption and maximise efficiency, the entire structure was prefabricated at our Canning Vale workshop, ensuring a quick and precise installation on-site. The platform was constructed using FRP structural profiles for strength and durability, along with FRP mini-mesh grating, which provided excellent slip resistance, effective water drainage, and long-term low maintenance — making it an ideal choice for the wetland environment.

BEFORE FRP:



AFTER FRP:



THE FRP APPROACH:

FRP Engineering took a tailored, efficient approach to the Lake Gillon project by leveraging our expertise in designing custom FRP solutions. We focused on addressing the specific challenges of the wetland environment, such as unstable terrain and moisture-rich conditions, by commissioning a geotechnical survey and designing footings to ensure stability. To meet the tight timeline, we prefabricated the majority of the platform components off-site, enabling fast and seamless assembly on-site. Our use of FRP structural profiles and mini-mesh grating provided a corrosion-resistant, low-maintenance solution that was not only durable but also blended harmoniously with the natural landscape, offering a

“From the outset, FRP were the most engaged and willing to work with the site specifics and our requirements. They helped with geotechnical investigation and followed all safety procedures. Despite running major projects at the time, they treated our smaller job with full professionalism. Their pricing was also the most competitive.”

Matt Armstrong, Senior Project Officer, Parks & Environment, City of South Perth

THE FRP RESULT

Rapid Footing Installation

The footings were installed in just one day, ensuring a quick foundation for the platform's construction.

Swift Platform Completion

The platform was fully constructed and the site reopened within one week, minimising disruption to the public.

Enhanced Public Access

The new platform has improved public access to a valuable local natural asset, encouraging community engagement with the environment.

Safe and Accessible Environment

The platform provides a safe, accessible space for residents and visitors to enjoy the natural surroundings.

Long-Term Durability and Low Maintenance

The structure was designed for long-term durability and minimal upkeep, ensuring lasting value for the community.



FRP PRODUCTS USED:

- Pedestrian Viewing Platform and Seat
- FRP Engineering Knowledge and experience.

CONTACT US

For more information on our range, email us on enquiries@frpengineering.net or call us at (08) 9455 4343 to discover our range of safety work access platforms today!