



*A New Standard in
Constructed Floating Wetlands
Environmentally Engineered for Wastewater Treatment*



The Natural Approach to Wastewater Treatment

Constructed Floating Wetlands (CFWs) offer a range of advantages over traditional water treatment approaches. In combination with detention strategies, CFWs can substantially reduce the need for drainage infrastructure, can increase lot yield, require smaller footprints, and often reduce maintenance burdens.

Engineered by Experts

Clarity Aquatic floating wetlands are designed to be the most adaptable product on the market. They are stable to walk on, easy to install and maintain, long lasting, and fully recyclable at the end of their design life.

Strength and Flexibility

The interlocking module design is the strongest system on the market and allows the CFW to be expanded, reconfigured or even ultimately relocated in the future.



Constructed Floating Wetland (CFW) Module

Footprint: 5.52m²

Modular and Adaptable System

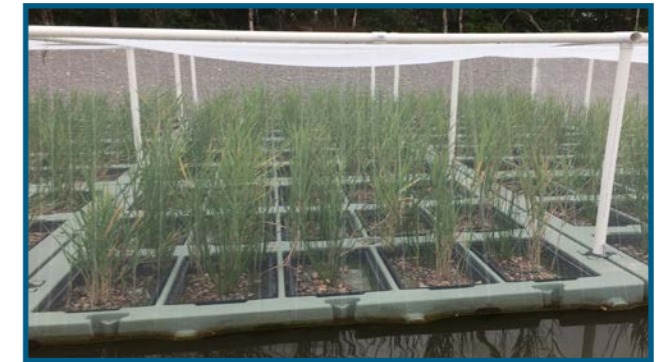
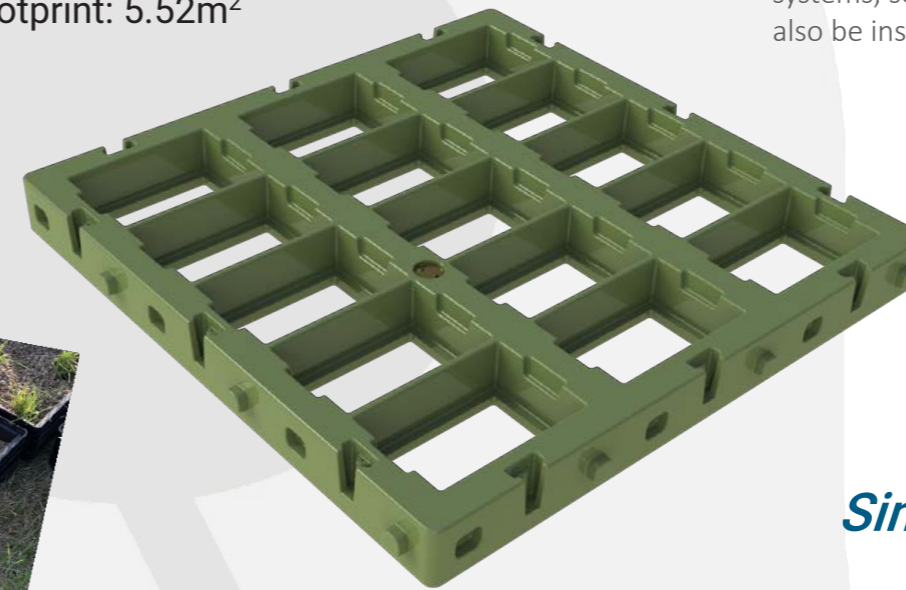
Our system can incorporate key safety features, like handrails, walkways and working platforms. We can also build in water quality monitoring systems, solar panels, and aeration systems. Bird and turtle netting can also be installed to protect young plants if required.

Superior Performance

The system allows for plant roots to be suspended in the water. Most of the nutrient uptake occurs on the biofilm covering the roots, which has a very large surface area. Trials using *Baumea* spp show the highest ever recorded nitrogen and phosphorous uptake for a CFW.



Planting Boxes



Simple and Fast Installation

The modules have adjustable buoyancy to allow for different stages of plant growth, different plant species, and various other weather conditions.



Environmentally Sustainable

Manufactured from UV stabilised and recyclable low-density polyethylene (LDPE), with no risk of degradation or release of unwanted materials into the environment. Clarity Aquatic CFW modules come with a 10-year structural warranty and are fully recyclable at the end of their lifespan.



...the native plants have flourished in the floating wetland modules...

Easy to Access and Maintain

Plants are grown in purposely designed baskets allowing them to be individually harvested or replaced as required. Weed species can be easily removed without the need for herbicides.

Brazeau County has utilized the Clarity Aquatic floating wetland system in its novel Violet Grove floating wetland project. We have been very happy with the durability of the product, as well as its ability to provide a stable and safe working platform for maintenance personnel. The native wetland plants have flourished in the floating wetland modules and the innovative design allows us to track plant growth and health with ease. We have just gone through our second-severe winter with the Clarity Aquatic floating modules and the system is as good as new. We're able to walk on the modules safely in order to work on the plants without any problems. The design of these modules has been tested in subzero temperatures and I can say with confidence the modules are very safe for operation."

Mr Zimran Khokar, Project Manager - Public Works, Brazeau County

Discover the possibilities Clarity Aquatic offers for your project.

Email info@clarityaquatic.com today.

FEATURES	SPECIFICATIONS	
Ease of Installation	Unique interlocking module design and planting baskets allow rapid, trouble-free installation. Modules are quickly connected with a simple key arrangement.	✓ Yes
Durability	10 Year Written Structural Warranty	✓ Yes
UV Stability	Made from 100% UV-resistant LDPE with an expected lifespan > 20 years	✓ Yes
Recyclability	All CFW components are fully recyclable and do not need to go to land-fill	✓ Yes
Strength	Modules have pull-apart strength > 4500kg (commercially tested)	✓ Yes
Stable Buoyancy	Modules have additional reserve buoyancy of over 300 kg which can be regulated by introducing ballast water into the module.	✓ Yes
Maintainability	Plants can be easily removed from the granular media if required without risk of damage to the baskets or modules.	✓ Yes
Accessibility	Modules have built-in walkways to ensure safe and easy movement through wetland for maintenance and access	✓ Yes
Flexibility	Modules can be arranged to produce nearly any desired shape, and can also be quickly and easily reconfigured, if required.	✓ Yes
Fauna Protection	Unique key design allows for temporary connection of custom frames for bird and turtle netting if required	✓ Yes
Safety	Specially designed brackets allow installation of handrails to AS1657 regulations if required	✓ Yes
Australian Made	CFW modules designed and manufactured in Australia providing local jobs	✓ Yes

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