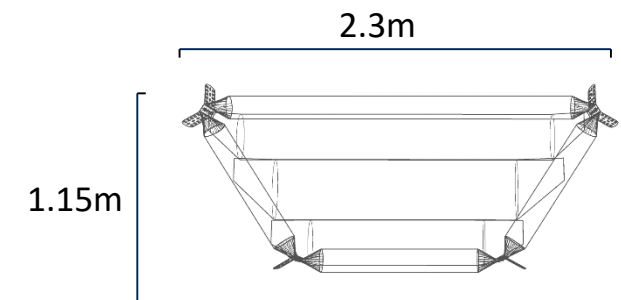
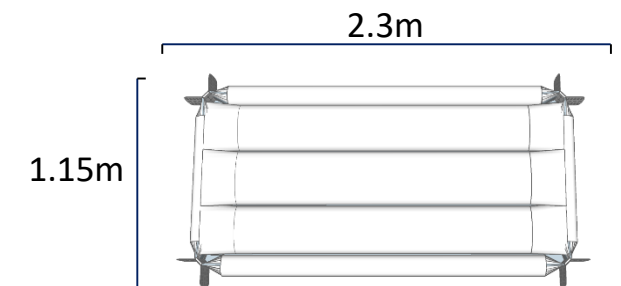
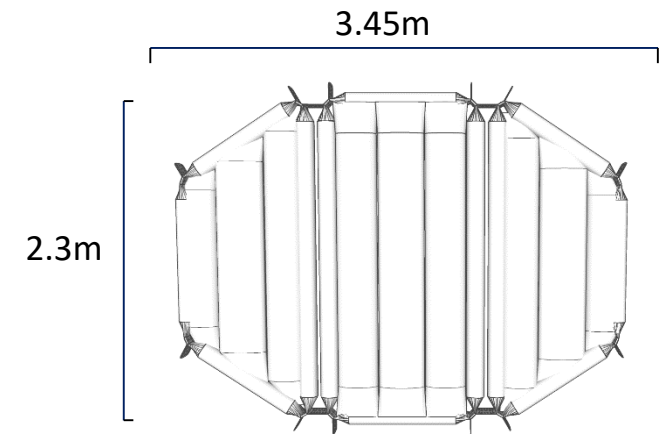




Dwr Cymru Welsh Water
Lisvane Reservoir
Ecosystems Design Overview
Issued July 2019





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SCALE
NTS

Floating Modular Bird Refuges
Dwr Cymru Welsh Water
Lisvane Reservoir

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Drawn By
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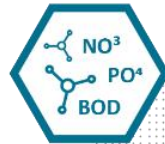
INCREASED CONTACT WITH NATURE

Studies are proving time and time again that mental health is linked to contact with nature. The floating islands turn hard edged waterfront into floating parks, offering people more contact with different species



IMPROVED WATER QUALITY

A micro-wilderness of submerged roots creates an ideal habitat for millions of microorganisms, which use algae, carbon and excess nutrients in the water as a food source, purifying the water.



A SAFE HAVEN FOR BIRDS

Specially tailored platforms provide a refuge for birds safe from disturbance. A mix of habitat types are available for specific species.



SUSTAINABLE MATERIALS

Materials are carefully selected for recycled content and recyclability. Only non-toxic materials are used. Once grown the system is typically 60% living biomass and 30% marine engineering materials.



STRONGER FISH STOCKS

A subsurface forest of roots and shelter of shells provides shelter for fish and ideal feeding grounds, improving fish stocks



HABITAT PROVISION

Caring for nature at the smallest level leads to big changes in ecosystems and the general health of a local environment.





Reference Images



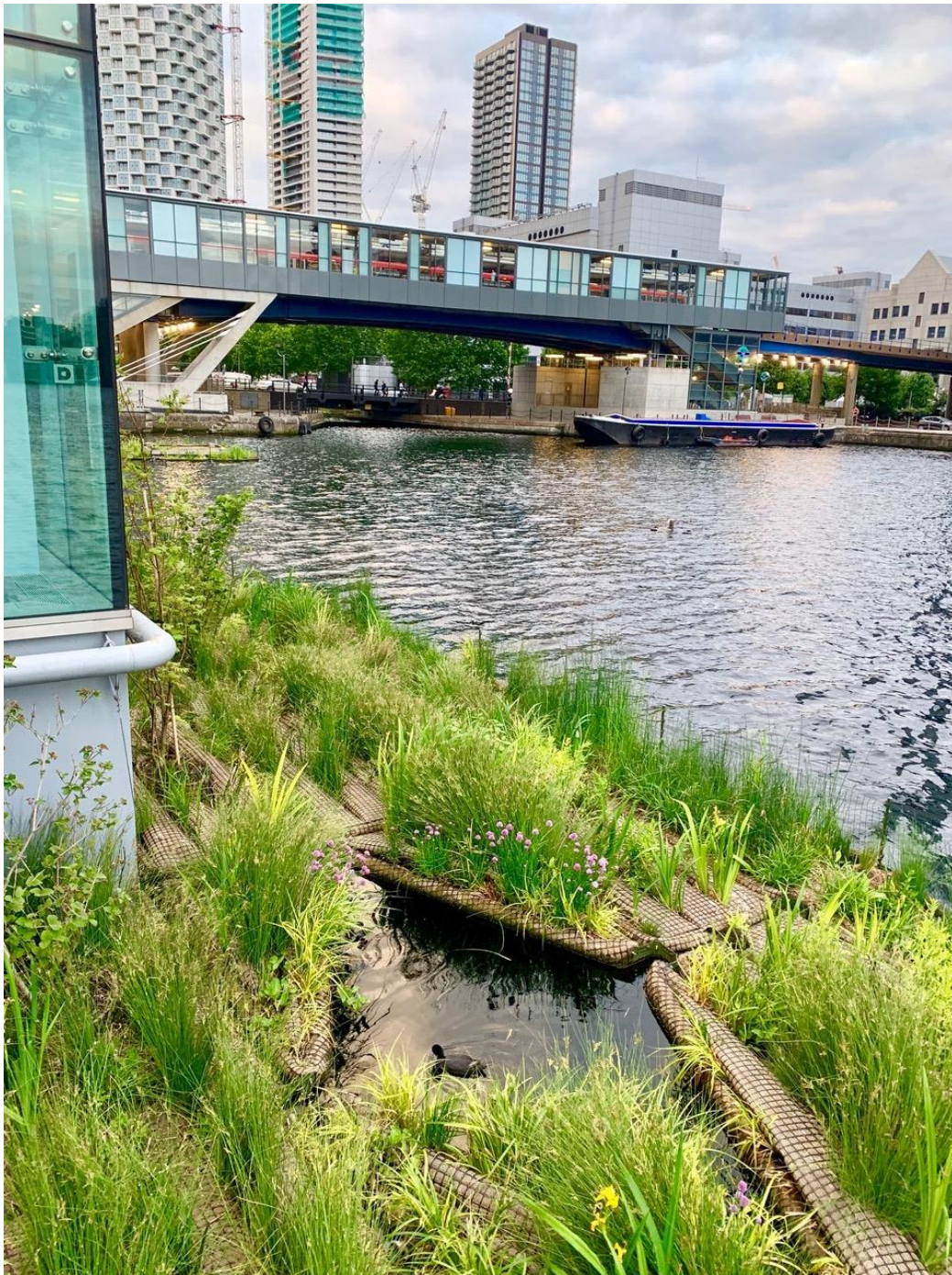
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