

# Creating beautiful and resilient habitat in urban environments.



## Case Study

The redevelopment of Kings Cross in Central London is a massive ongoing civil engineering programme of works costing several billion pounds. But what of the wildlife that calls this urban centre home?

**The London Wildlife Trust** is responsible for protecting and enhancing native biodiversity at over 40 sites around the capital. They have teamed-up with **frog environmental** to deliver an innovative wetland creation scheme in the centre of the Kings Cross redevelopment.

Creating new resilient habitat in the heart of the capital is a challenging prospect. Previous attempts at creating floating habitat resulted in high maintenance costs and failure of plants to establish properly, ultimately creating an eyesore.

**BioHaven Floating Wetlands** have a novel design, overcoming the failings of other floating systems by providing durable and resilient habitat, excellent long-term plant success and proven water quality treatment. BioHaven is an important tool in regenerating waterways bereft of natural habitat.



The scheme creates 55 square metres of new wetland in the heart of London



Wildlife makes instant use of the new floating wetland



Wildlife Trust Volunteers tend to the newly planted BioHaven

### Key project stats

120 metres of new riparian edge created

2 day installation time

55 square metres of new urban wetland

No heavy plant or machinery required for installation

*'These BioHaven 'pocket wetlands' are providing beautiful new resilient habitat in our urban centres and encouraging a flourishing native biodiversity'. Martin Thompson, London Wildlife Trust*

BioHaven was chosen for this project for its key advantages over other floating systems:

- Unique design & construction that absorbs wave energy and provides for long-term plant success.
- Easily installed in still or flowing water
- Proven water quality treatment with a long design life and low maintenance

Salix and frog environmental are **chartered environmental professionals** and provide a complete **BioHaven** site assessment, design and installation service.

BioHaven can be installed at any time of year; there have now been over 40 launches around the UK.



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Royal Parks required a long-term, low maintenance solution for creating a multi-purpose floating barrier in the prestigious Serpentine Lake in Hyde Park. As well as providing a robust physical barrier, the project would also aim to provide some essential urban greening to this part of the lake and create a habitat for wildfowl and insects.

BioHaven was chosen for this project for the multiple functions that one installation can deliver. The robust construction provides a strong floating barrier that effectively cordons off an area of water space whilst also creating resilient new ecosystems and delivering water quality benefits.

The project delivers a new piece of novel green infrastructure as well as providing aesthetic benefits in keeping with this high profile location. Planted with a mixture of mature emergent vegetation, it has already attracted an incredible array of birdlife and insect activity.



Over 210 metres of new wetland created



Wildlife makes instant use of its new home



The new installation is popular with tourists

### Key project stats

Over 210 square metres of new wetland created  
350 metres of new riparian edge

Complete design and build service provided  
100% biosecurity and H&S compliance

**'These floating islands on the Serpentine will help to improve the water quality in a chemical free way and provide habitat and food for a variety of wildlife'**

Julia Clark, Head of Ecology, Royal Parks

BioHaven was chosen for this project for its key advantages over other floating systems:

- Provides a robust physical barrier as well as long term planting success and habitat gain
- BioHaven is a recognised global performance leader in natural water quality treatment
- Long design life and low maintenance

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