

## Case Study

Project name: Glassmill Pond Restoration

Location: Bromley, London

Landowner: Bromley Council

Delivered by: Thames21

Date of construction: October 2023

Length of river restored: 142m

BNG Units (net change): 0.99



If left without intervention, the pond would eventually silt up completely, increasing flood risks both locally and upstream. The impoundment weirs at Glassmill Pond also presented significant barriers to fish movement through the area, as well as altering the natural flow of the river and reducing the presence of natural river habitats.

The restoration included developing an independent river channel separated from the Glassmill Pond, flowing adjacent to the left bank. By separating the River Ravensbourne and Glassmill Pond, the sediment coming down the river should carry on downstream and not deposit in the pond, restoring natural sediment transport.

This should slow down the rate of siltation of the pond and maintain its depth for a longer periods of time. The river system with new pools and riffles will offer a unique ecosystem that has been missing in this area one that lives in the memory of some of the local people. The restored pond will add to the public amenity of the area. Furthermore, with the enhanced riparian zones and islands, there will be plenty on offer to support diverse wildlife. Elsewhere, the removal and modification of the impoundment weirs restored fish passages through this length of the Ravensbourne, contributing further to the restoration of aquatic biodiversity.

## What is on offer?

### Units available

Thames21 have an initial pipeline of **30 watercourse biodiversity units** through a program of river restoration projects in the Ravensbourne and Lea and Brent Catchments. Subject to demand we have the opportunity to scale up across multiple catchments.

### Costs

From extensive delivery experience and detailed analysis, the costs per watercourse BNG unit are likely to range from less than **£250k**, including legal agreements and 30 years of management, monitoring and maintenance.

### Other benefits

The river restoration projects will all deliver wider environmental and community benefits which would align to **corporate ESG targets**.

### Timescales

London River Bank have a number of watercourse BNG units available to buy in **2024** and a pipeline of projects ready to be delivered in the next three years.