

Project name

Mayesbrook Climate Change Park

Status

Commitment to delivery

Catchment

Roding

Tributary

Mayes Brook

OS grid reference

TQ4615 8562 to TQ4614 8476

Length (m) of enhancement(s)

1km

Type of enhancement(s)

Realignment of the river through surrounding parkland and creation of more natural banks and profile. This will allow more natural fluvial geomorphological processes to occur and the design will reduce the flood risk, thus reducing the need for more intensive management. The project will also demonstrate how design river restoration to achieve Good Ecological Status under the WFD. Introduction of meander and backwaters to increase habitat and add interest to the park for the local community. The whole park project demonstrates adaptation of urban greenspace to climate change impacts.

Reasons for enhancement(s)

The Mayes Brook has been straightened and deepened and had its banks reinforced. On both banks, high fences have been erected almost on the bank top, significantly reducing access. As a result the river is extremely degraded with poor aesthetic appeal, it is also devoid of geomorphological features of interest and has low ecological value. Adjacent riparian land is regularly mown grassland which has few features of interest for wildlife or the local community.

Key themes of enhancement(s)

Indicate by ticking one or more that apply.

- | | |
|---|---|
| <input type="checkbox"/> Sustainable urban regeneration/development | <input checked="" type="checkbox"/> Biodiversity/conservation |
| <input type="checkbox"/> Fisheries | <input type="checkbox"/> Education |
| <input checked="" type="checkbox"/> Recreational amenity (access to nature) | <input checked="" type="checkbox"/> Climate change |
| <input checked="" type="checkbox"/> Sustainable flood risk management | <input type="checkbox"/> Other (please state) |
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Possible constraints

This is a sensitive area in terms of flood risk and the Mayes Brook has recently been dredged to maintain the cross-sectional capacity. Bank and in-channel vegetation is also regularly cut for the same purpose.

Potential partnerships

This is a potentially collaborative project.

Approximate cost

Unknown

Possible funding

GLA, TRRT, EA, NE, LWT, RSA, SITA Trust, Design for London, London Borough of Barking

Next steps

A feasibility study is required to include assessments: flood risk modelling, geomorphology and sediment transport, potential contamination, land-use. A further ecological survey is required to assess existing habitat.

Contact details

Primary contact: Robert Oates, TRRT – roates@westberks.gov.uk

Landowner details:

Left bank: London Borough of Barking and Dagenham (LBBD)

Right Bank: London Borough of Barking and Dagenham (LBBD)

Landowner contact: Dave Theakston at LBBD (020 82273081)

Other

Key themes (Other):

- 1.) BAP. It will contribute towards the 'Creating a Better Place' objective to make proportionate progress towards BAP targets for wetland-related species and habitats'.
- 2.) The works would also fall within the Agency's duties as set out in the Environment Act 1995 to promote the conservation and enhancement of the natural beauty and amenity of inland and coastal waters and of land associated with such waters.
- 3.) London's flagship River Restoration project

Pre-works surveys available:

River Corridor Survey
River Habitat Survey

Pre works surveys required:

Phase 1
WV survey
