Graveney Flood Alleviation Scheme
Norbury Park, Croydon

"This scheme presents an outstanding opportunity to transform this park for the benefit of wildlife and people."
Dave Webb: Chair, London River Restoration Group.

The story so far

Flood risk modelling has identified more than 700 properties at risk of flooding in the area. We are developing the Graveney Flood Alleviation Scheme to reduce the risk of flooding to homes, businesses and infrastructure close to the River Graveney. This scheme aims to reduce this risk along the River Graveney and Norbury Brook in Norbury, where 340 homes are at risk.

The preferred option

- **Restoration and a more naturalised river channel through Norbury Park**
- **Creation of a flood storage area**

How will it help wildlife?

- **Removal of the culvert and creation of an open channel**
- **Planting of wetland and pollinator-friendly plants to improve and enhance biodiversity**
- **Ecological tree planting to create new habitats and places for foraging / refuge**
- **Improvement in water quality**

How will it help people?

- **Enhancement of the amenity value of the park**
- **Providing access to the river**
- **Aligning to Croydon Council's Masterplan to increase the park's use for recreation**

How will it help reduce flood risk?

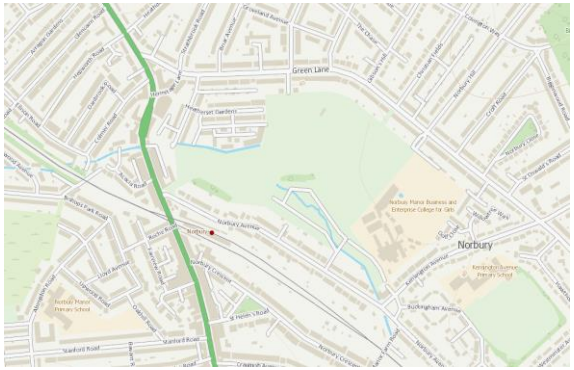
- **Embankments and walls will be built to temporarily store flood water during flood event**
- **Reduction of flood risk downstream of Norbury Park**
- **Approximately 940 homes will benefit to some extent, with around 240 homes moving to a lower flood risk band.**

Partnership organisations

- **Croydon Council**
- **Lambeth Council**
- **Thames Water**
- **South East Rivers Trust (SERT)**
- **Thames21**

Norbury Park today

Indicative Landscape Plan for Norbury Park



Nearest Station: Norbury

Catchment Reset: The Salmons Brook, Enfield

"Resetting Salmons Brook as close as possible to its natural state has huge potential to improve the environment throughout the catchment, creating diverse habitat and reducing pollution and flood risk further downstream, in Edmonton and beyond."
Ian Russell – London Borough of Enfield

Salmons Brook today

The story so far

Recent flood risk modelling has identified opportunities to reduce flooding to thousands of homes and businesses in areas of Bush Hill and Edmonton, Enfield.

By planting the right trees in the right areas, creating a series of wetlands and restoring a 3.5km stretch of the Salmons Brook that has previously been heavily modified, this natural flood management project would cut flood risk downstream as a climate resilience mechanism.

The project would restore the river by drawing it out of its current single incised state and reconnecting it to the surrounding landscape, to allow the river to form its natural shape - into a network of shallow, meandering channels.

This proposal, in the early stage of feasibility, would bring multiple benefits. These include the boost to biodiversity and enhancements to the health of the rivers and the surrounding landscape, along with the greater social impacts that would be seen by the community which uses this green/blue space.

How will it help wildlife?

- Creation of a channel with variety of habitats for greater diversity and resilience
- Decrease of high flow rates after heavy rain
- Drought resilience via better flow regulation .
- Improvement in water quality/soil erosion.

How will it help people?

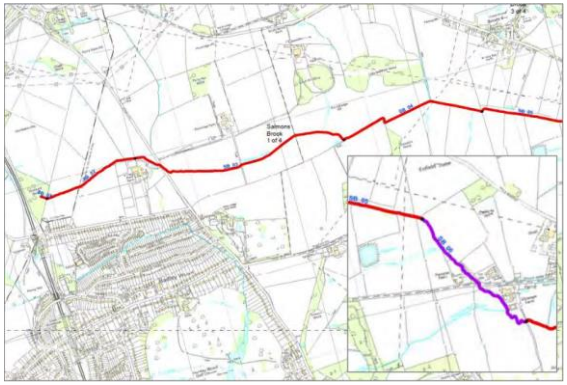
- Reduction of flood risk downstream in Bush Hill and Edmonton.
- Greater access provision to nature and blue/green space for health and wellbeing.

How will it help reduce flood risk?

- Reconnection with floodplain, providing storage; Reducing surface runoff through tree planting and wetland features.

Partnership organisations

- Enfield Council
- Thames21
- Environment Agency



Red = incised river channel; purple = laterally adjusting Channel. Source: Lower Lee Tributaries Fluvial Audit (July 2013) Atkins

Artist's impression of the Salmons Brook in the future

Gores Brook Living Landscape
Parsloes Park, Dagenham

" I would absolutely love to see the Gores Brook return to Parsloes Park. As a local resident, I feel that the park and meadows could bring much enjoyment to the community as it reverts back to its natural state"
Carole, resident of Becontree Housing Estate- 2021

The story so far

The Gores Brook has been culverted under Parsloes Park since the 1930s. In its place is currently a featureless area of low quality grassland that offers little in the way of biodiversity and recreational value. Local residents also complain of flooding in this area of the park and surrounding roads. The neighbouring Becontree housing estate (one of the largest and oldest social housing estates in the UK) is currently celebrating its 100th anniversary. A project to deculvert the brook and make significant associated improvements to biodiversity and recreation would be a fitting way to celebrate this landmark event.

The preferred option

- Deculverting and remeandering of the Gores Brook through Parsloes Park
- Creation of a wetland features

How will it help wildlife?

- Removal of the culvert and creation of an open channel
- Planting of wetland and pollinator-friendly plants to improve and enhance biodiversity
- Ecological tree planting to create new habitats and places for foraging / refuge
- Improvement in water quality though reedbed creation.

How will it help people?

- Enhancement of the amenity value of the park
- Providing access to the river
- Associated training and volunteering events
- Aligning to Barking and Dagenham's Parsloes Park masterplan that aims to return the park to its former 1930s glory.

How will it help reduce flood risk?

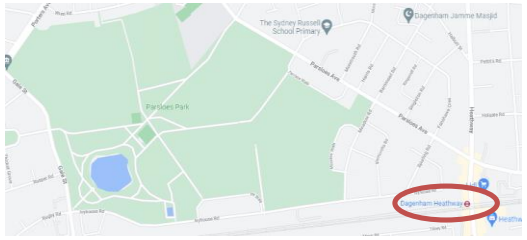
- Runoff from adjacent roads will be channelled into reedbed features, reducing flooding on surrounding roads and in the Park

Partnership organisations

- Barking and Dagenham Council
- London Wildlife Trust
- Thames21

Parsloes Park today

Indicative Landscape Plan for Parsloes Park



Nearest Station: Dagenham Heathway

‘Reclaiming the Riverside’ in the Crane Valley

“TCV is delighted to be working with our local partners in Hounslow and Hillingdon to help restore this valuable section of the river. We’re particularly excited to be working with Cranford Action Group, who are an effective grassroots movement in the community and have already achieved a phenomenal amount of litter clearance locally.”
Ruth Gerrard, Development Manager at TCV

The story so far

This major project led by The Conservation Volunteers (TCV) will restore a 3km stretch of the River Crane in the Cranford area, close to Heathrow Airport, with the help of a £211,900 grant from the Defra/National Lottery Heritage Fund Green Recovery Challenge Fund.

This stretch of the river has badly degraded habitat and is blighted by fly-tipping and invasive species. Furthermore, a 250 metre section of the riverside is currently inaccessible to the public.

Over the next 18 months the river corridor will be transformed with the help of volunteers from the local community, boosting the amenity value and enhancing biodiversity.

How will it help wildlife?

- **conserve and restore the natural environment across 20ha, including river and grassland priority habitat**
- **removal of invasive species**

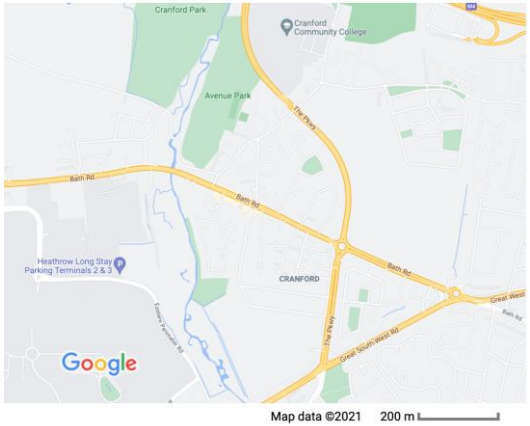
How will it help people?

- **enhanced visual amenity**
- **improved riverside access and connectivity**
- **connect 650 local people with nature through practical volunteering, citizen science and other nature-based activities.**

Partnership organisations

- **The Conservation Volunteers (TCV)**
- **Cranford Action Group (CAG)**
- **Friends Of the River Crane Environment (FORCE)**
- **Let’s Go Outside and Learn CIC (LGOAL)**
- **London Borough of Hillingdon**
- **London Borough of Hounslow**
- **London Wildlife Trust (LWT)**
- **Crane Valley CIC on behalf of the Crane Valley Partnership (CVP)**

The River Crane at Cranford



Nearest London Underground stations: Hatton Cross and Hounslow West (Piccadilly Line)

RiverWise, Nature and Community Recovery, Lewisham

Julia Grollman, Thames21 Event Support Team

"Volunteering in nature is rewarding, absorbing and enjoyable. It also involves skill-building and opportunities to meet new people. This bid could open doors, mental and physical, for individuals."

Activities on the Ravensbourne in Lewisham would be aimed at educating people from the area, improving mental health, habitat and work skills

The story so far

Caring for nature such as rivers is an absorbing outdoor activity which helps reduce stress and increase physical fitness. The RiverWise project would assist local communities in getting back into nature after the Covid pandemic and, by teaching people skills to help nature, also give them employment skills.

The vision

Prescribing time outdoors is just one of many social activity opportunities to help people's well-being at the heart of One Health Lewisham.

How will it help wildlife?

- Installing large wood deflectors would create new habitat in local rivers on the Ravensbourne catchment
- Removing excess silt would keep gravels clean and improve water quality for fish
- Clearing riverside undergrowth would open up beautiful river views, creating safer sight lines

How will it help people?

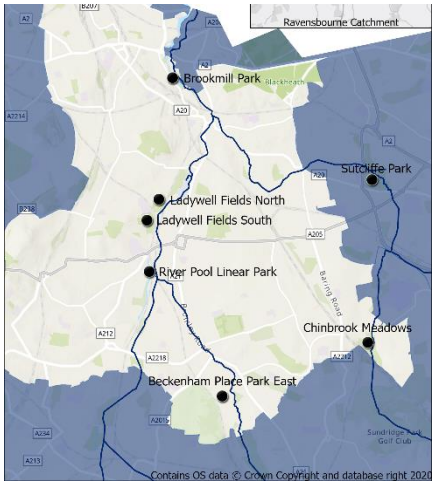
- Long-term physical and mental well-being would be delivered via social prescribing and practical skill building
- Residents would learn about the natural processes that keep waterways healthy and be trained to check vital signs of healthy rivers through Citizen Science monitoring

What are the outcomes?

RiverWise participants would join new friends and improve their own and nature's well-being and employment prospects via skills learned. Activities would establish after care for Lewisham's recovering rivers for years to come.

Partnership organisations

- Lewisham Council
- One Health Lewisham
- Nature's Gym
- Friends of the River Pool
- Ravensbourne Catchment Improvement Group & Thames21



Activities would take place across a wide area