



**CANADA WATER DOCK  
TOPIC SESSION**

22 NOV 2017

# Welcome

- 
- **Share updates & research**
  - **Look at responses to feedback**
  - **Introduce London Wildlife Trust**
  - **Informing opportunities for involvement & design details**
  - **Full updated masterplan in early 2018**

# Welcome

**7.00 Welcome & intros**  
**Submit your questions**

**7.20 What we know**  
**Feedback so far**  
**Vision & design**

**7.55 Q&As**  
**Discussion**  
**Feed-back**

**8.45 Next steps**

**9.00 Close**

# Who's involved

British Land

Watermans

London Wildlife Trust

Townshend

Allies and Morrison

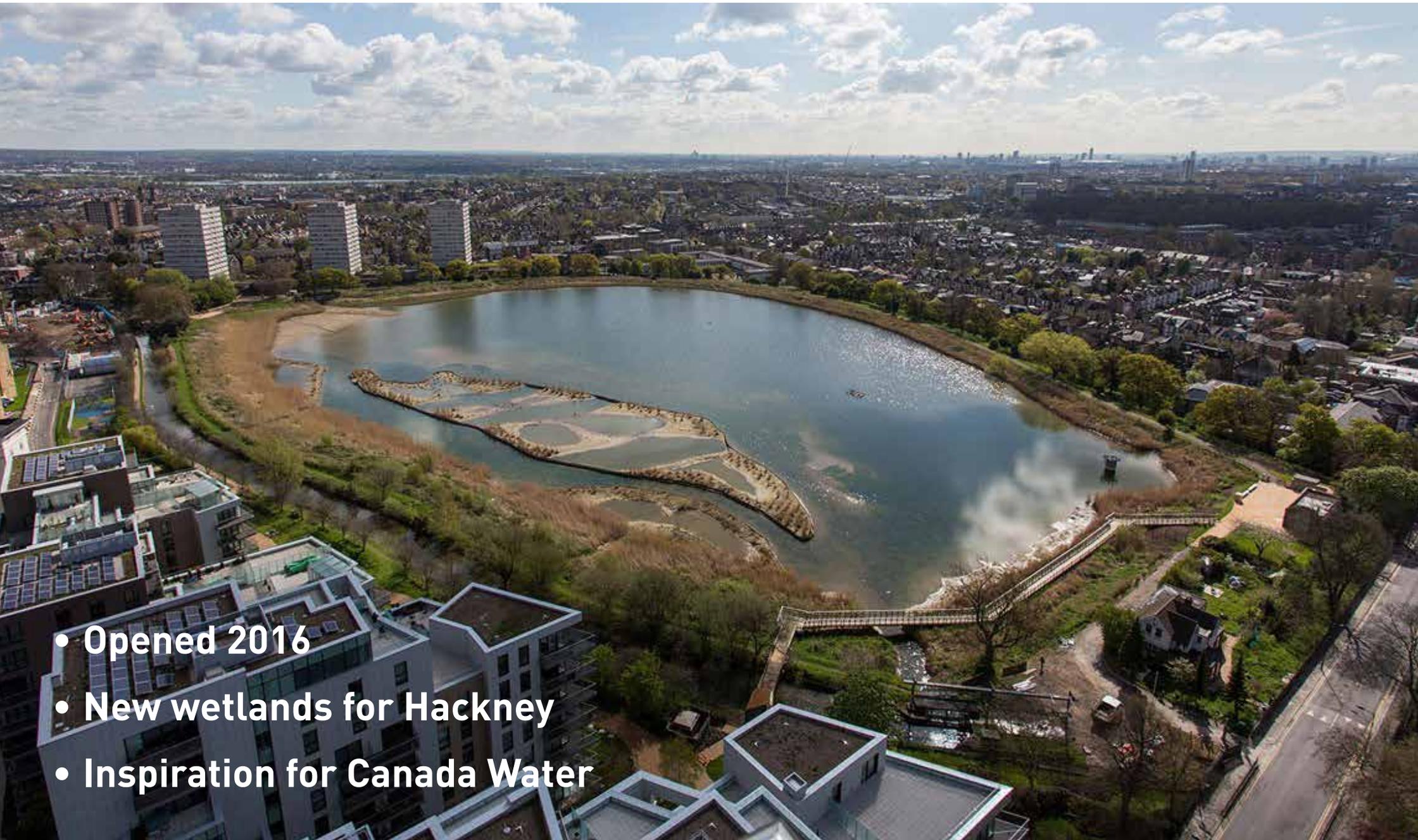
# London Wildlife Trust

# About us

- London Wildlife Trust are 1 of 47 wildlife trusts across the uk
- 850,000 members nationally
- We manage nature reserves
- We support design of ecologically rich green spaces



# Woodberry Wetlands



- **Opened 2016**
- **New wetlands for Hackney**
- **Inspiration for Canada Water**

**Submit your questions**

**What we know**

**Heritage**

# Industrial heritage



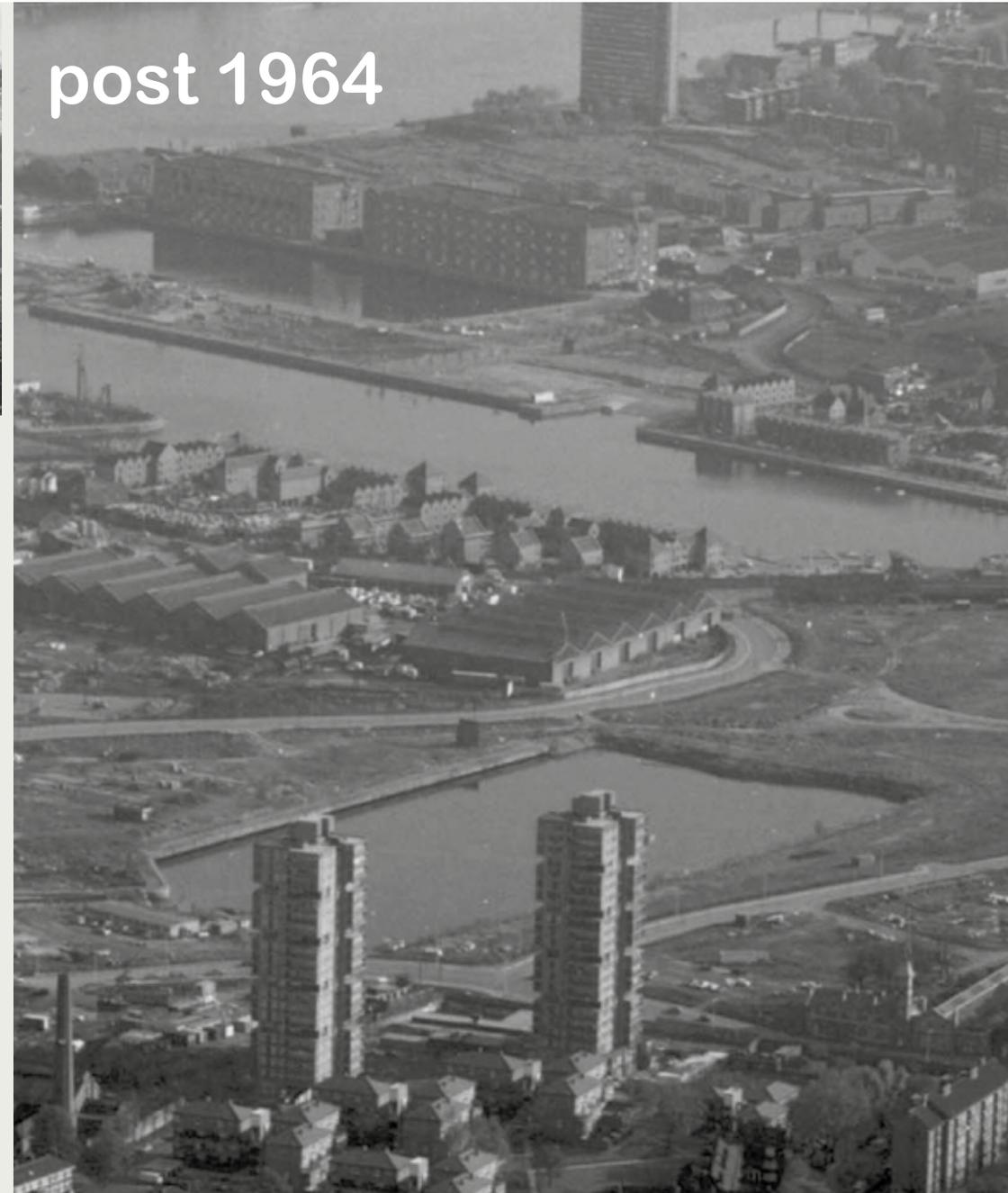
c.1800

Built 1874-76



by James McConochie, who also built the Dock Offices

post 1964



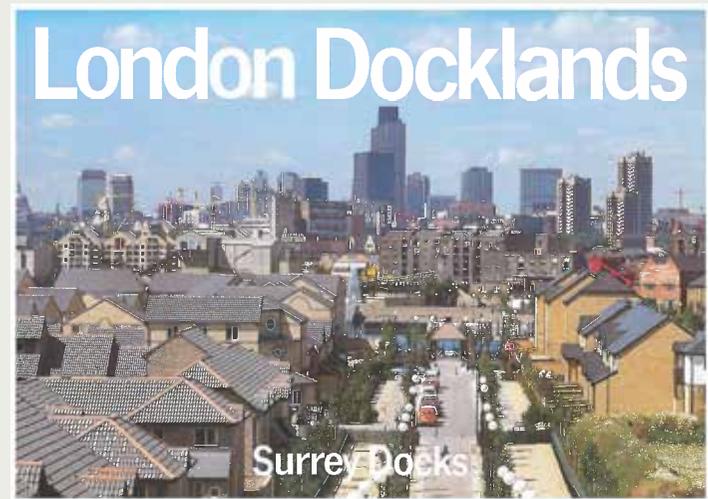
1945

Originally 1500 ft long and 500 ft wide. over 16.5 acres of water. With 46 acres of sheds for timber storage. Warehouses could hold 35,000 tons of imported grain (c.300 times as heavy as a blue whale!)

# Industrial heritage



# Social heritage



# Natural heritage



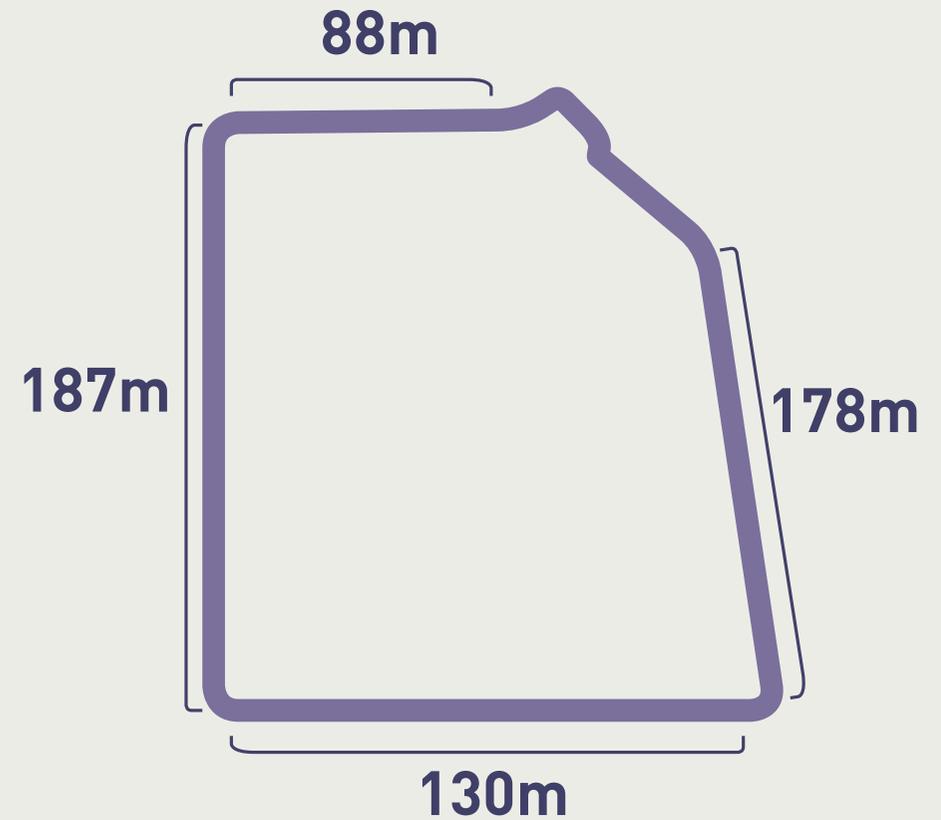
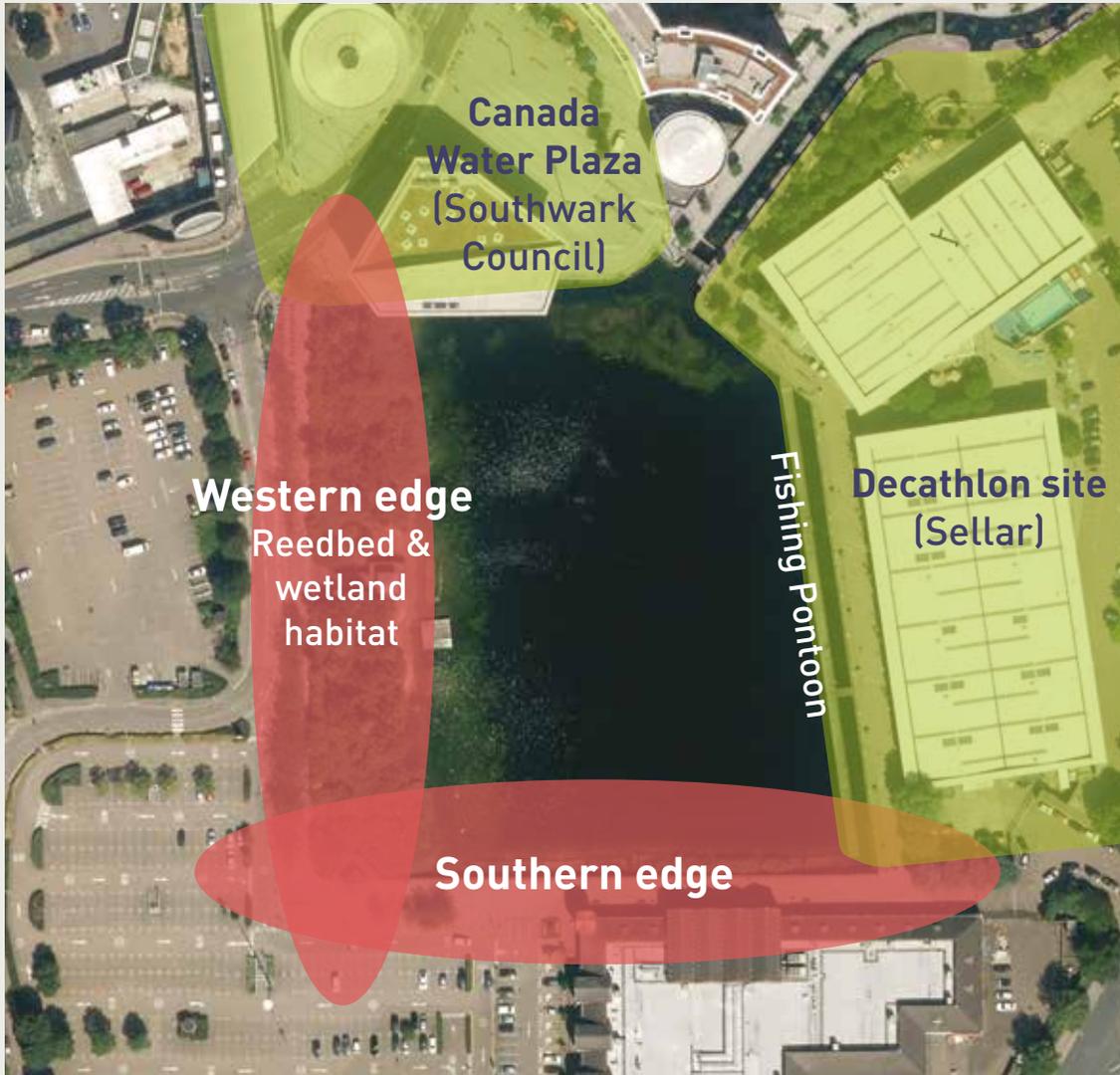
**What we know**

**Technical**

# Studies & discussions

- **Research & investigations**
  - Dock wall inspection
  - Dock levels
  - Water & sediment quality
  - Fish population
  - Habitat Survey
  - Breeding Bird Survey
  - Bat Survey
- **Ongoing negotiations on ownership & management**
- **Learning lessons & working with London Wildlife Trust...**

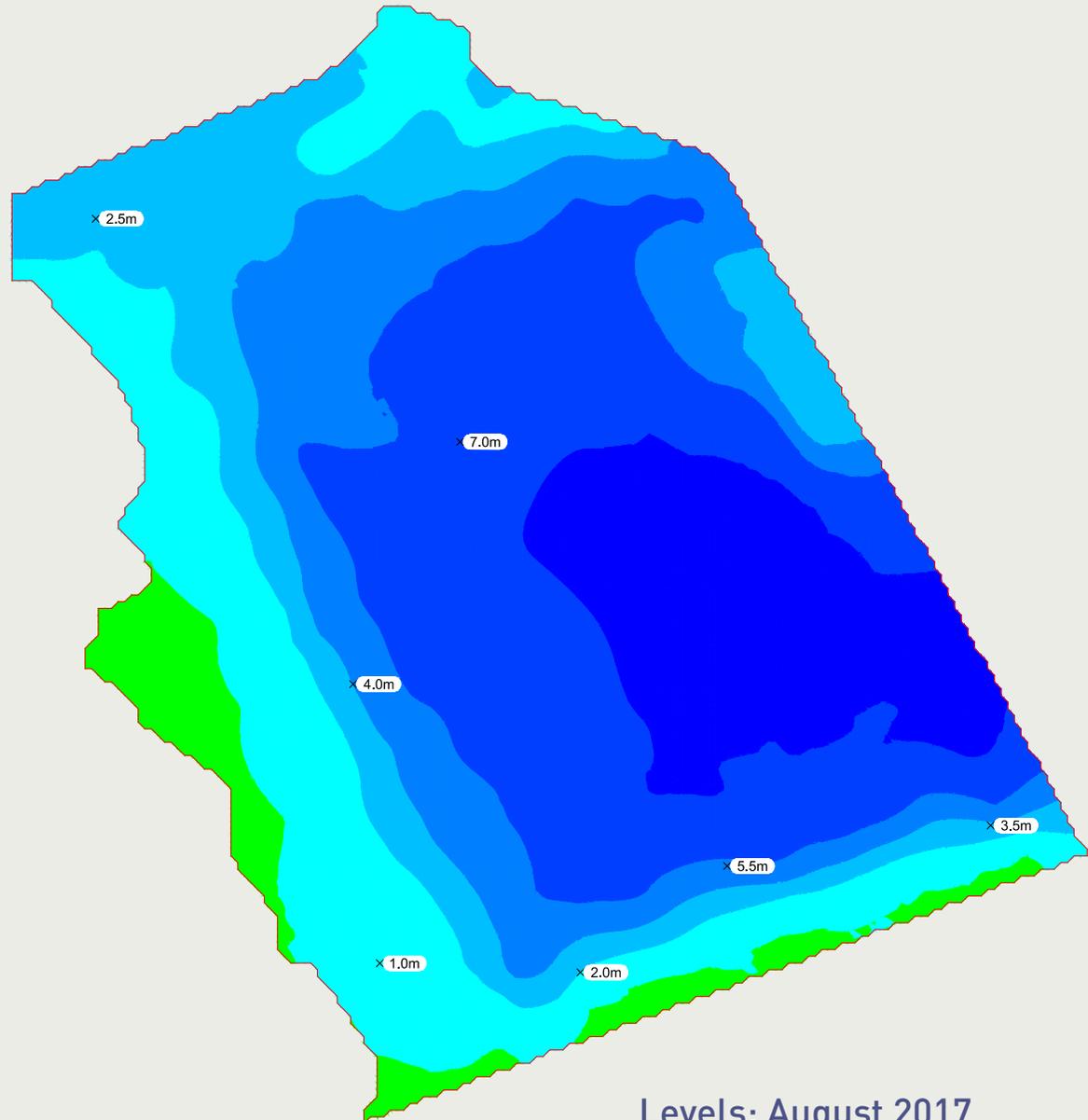
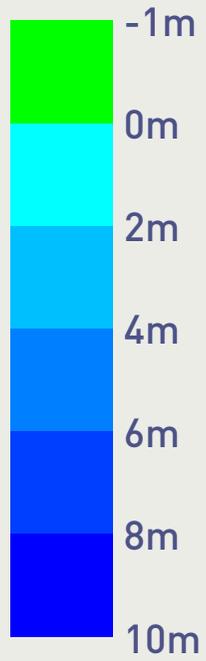
# Dock areas



# 3D model

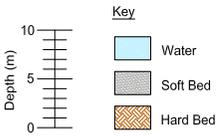
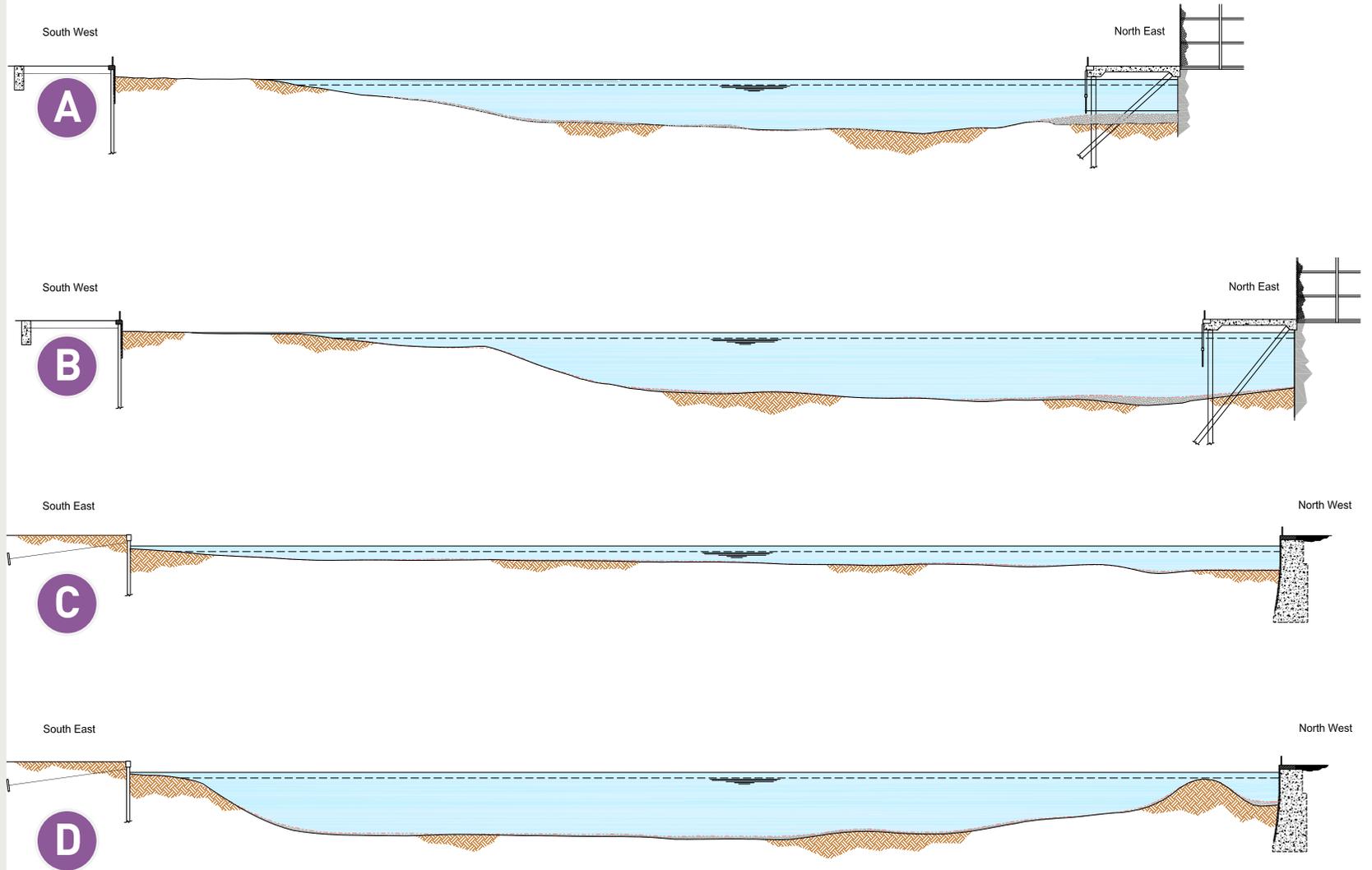
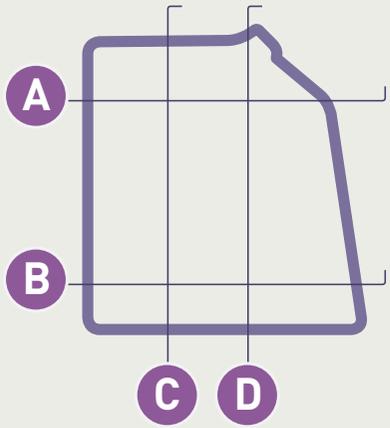
[video >](#)

# Levels



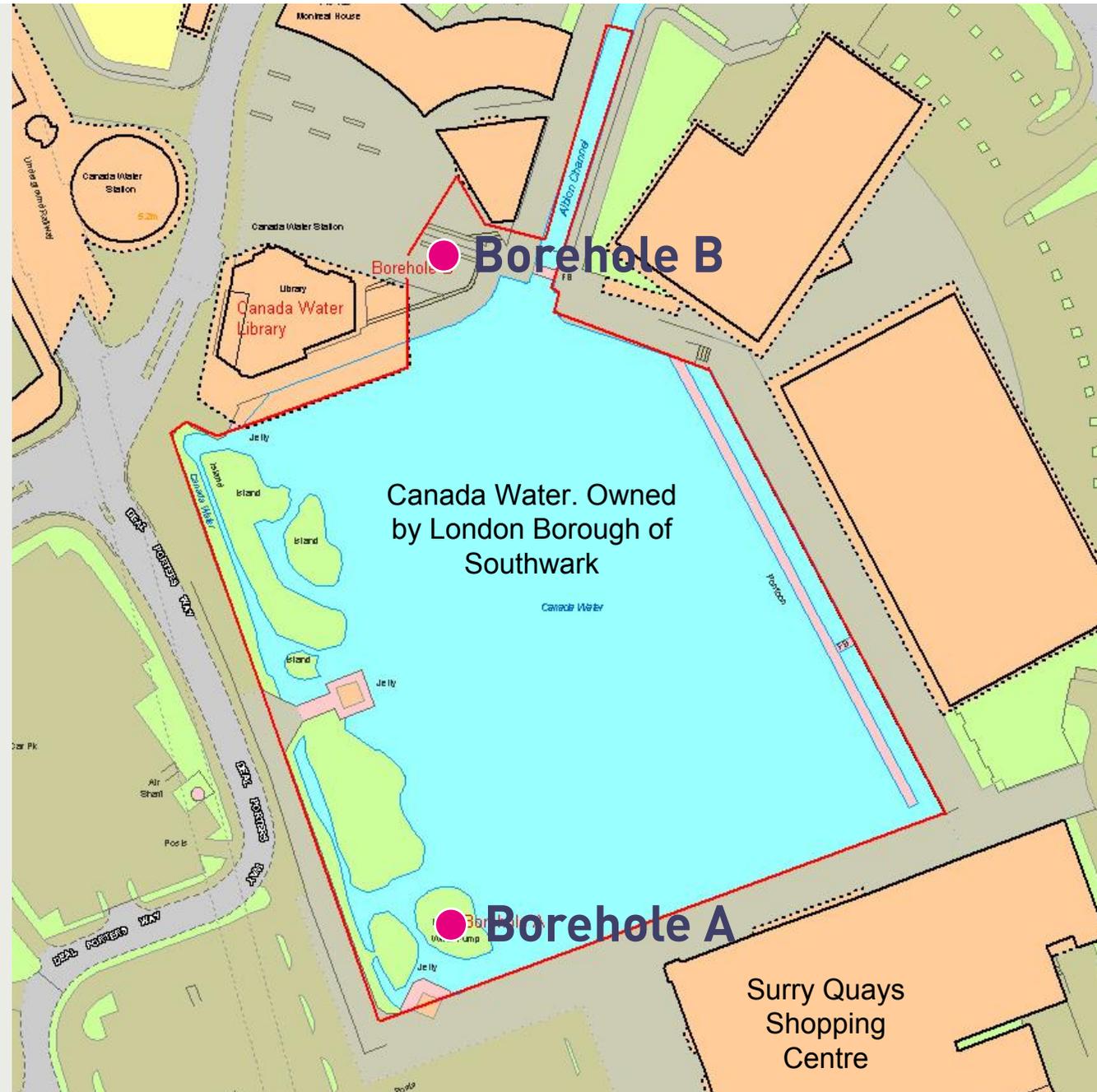
Levels: August 2017

# Layers



# Borehole / pump

- Southwark Council manage the dock
- The Environment Agency allows water to be extracted from 2 boreholes (up to 229 m<sup>3</sup>/day and 67,500 m<sup>3</sup>/year allowance)
- Working full-time the pumps would take 3 months to increase water levels to the original level intended.



# Ecological habitat

1996



1999

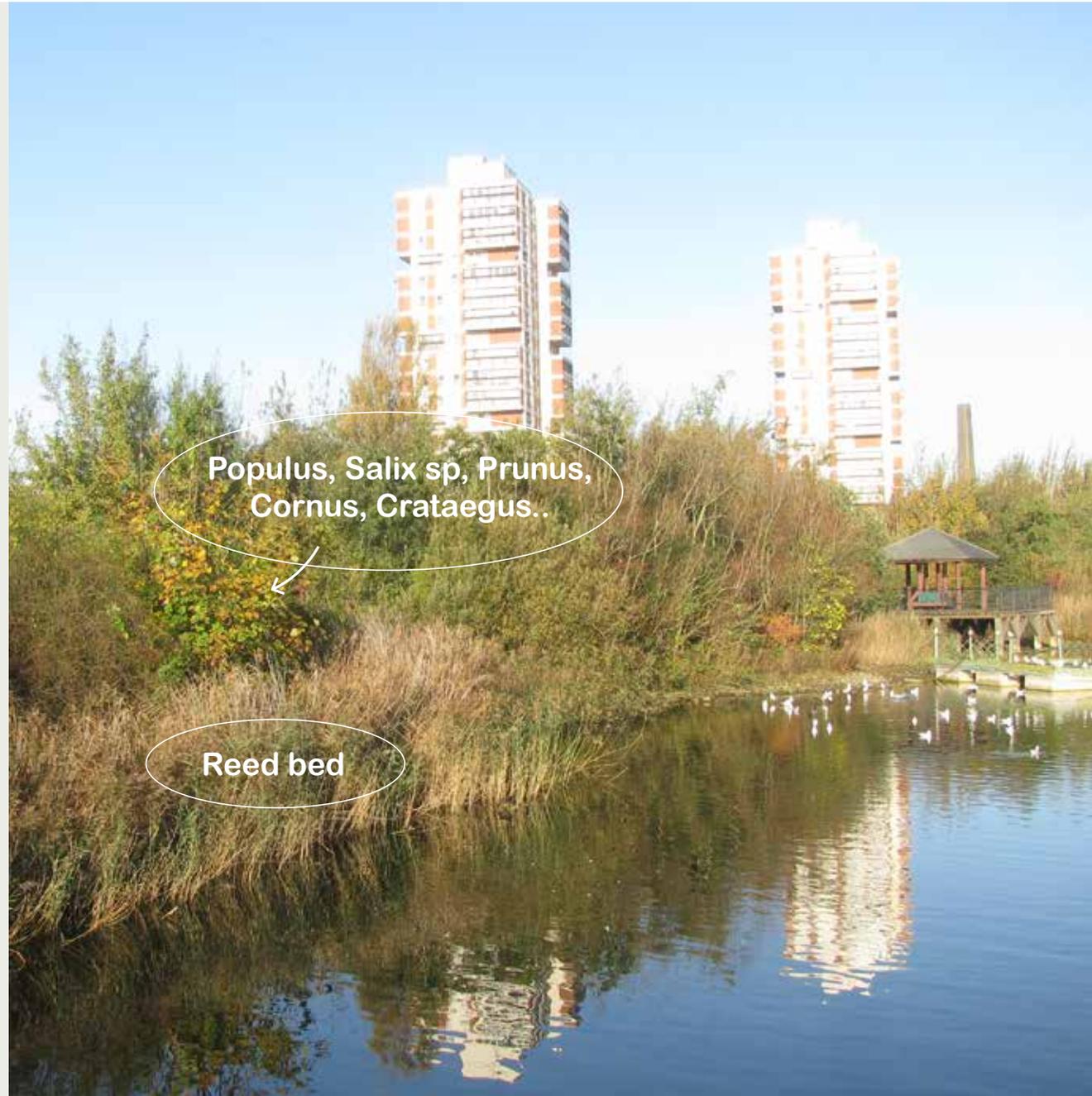


2017



# Current habitats

- **Wetlands & 'islands' used by breeding water birds**  
(reed warbler, mute swan, mallard, coot, moorhen & great crested grebe)
- **Deep water areas used by diving ducks**
- **Dry edges used by foxes, cats and rats**
- **Not heavily used by bats**
- **Low number of fish species recorded** (3-spined stickleback and perch, plus carp + local records)



# Opportunity to enhance

- Bring back to it's optimum
- Increase & maintain water level (prevent terrestrial access)
- Wetlands / reeds support more wildlife
- Increased invertebrates
- Boardwalk opens up opportunity to experience
- Raised bridge allows access under



**Feedback so far**

# Headlines



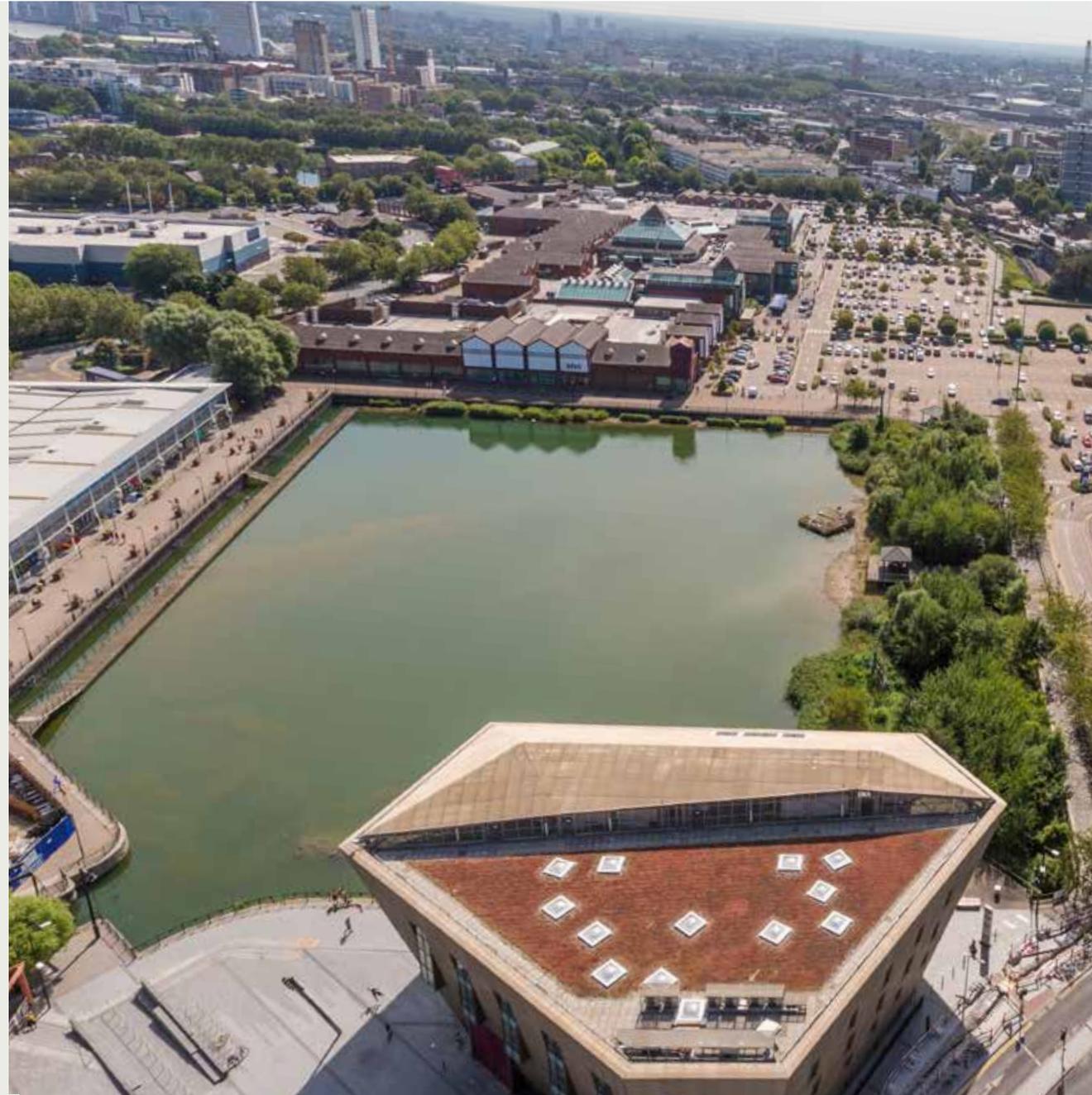
- Overall positive: opportunity for better (used) space.
- Opportunity to sit, learn, enjoy and play - for all.
- Make it special - contrast the urban context.
- It is a priority to protect & enhance wildlife
- Reedbed management and raising water levels supported (ensuring quality is maintained).
- Suggestions to reference heritage & have greater prominence of Deal Porter's statue.
- Opinion varied on dock crossing.
- Ensure it is:
  - well maintained.
  - a pleasant environment to be in.
  - and there is local involvement.



**Vision**

# Vision

- Improved wildlife habitat
- Better access to a high quality natural space
- People and nature are better connected
- Good access to and from the town centre
- Opportunities to explore, discover, play and learn
- Activation of edges – not privatisation of public space



**Design**

# Responding to key issues



## HERITAGE

- Better Deal Porter's statue setting
- Use of wood & engaging information / activities



## WATER LEVELS

- Raised water level & water management strategy
- Measures to maintain water quality



## URBAN CONTEXT

- Water gardens & enhanced wildlife to contrast the urban
- Opportunity to get closer to dock nature



## MANAGEMENT

- Focus on reeds, rather than trees
- Low level lighting
- Accessible boardwalk, flexible spaces.
- Maintenance in discussion



## WILDLIFE

- Sensitive reedbed management, enhanced habitats
- Opportunity to bring it back to its optimum



## LEARNING & ACTIVITIES

- Integral places to sit, including amphitheatre
- Teaming up with those who have done it before.

# Learning from Woodberry Wetlands



# Wetlands & boardwalk

May 2017



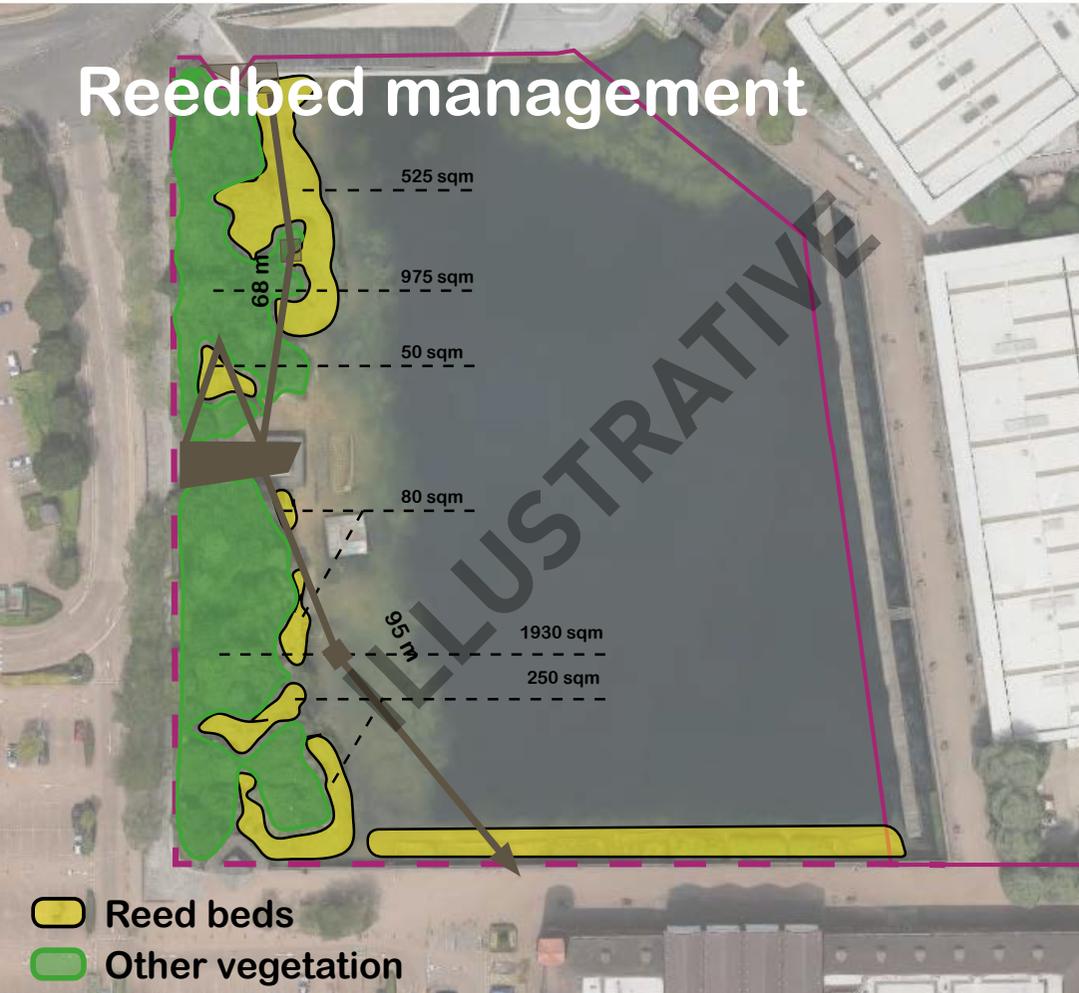
Current



Crossing retained  
Less central & raised - keep open water  
Narrowed - return to 'boardwalk'  
Direct, yet more opportunity to experience

# Wetlands & boardwalk

## Reedbed management



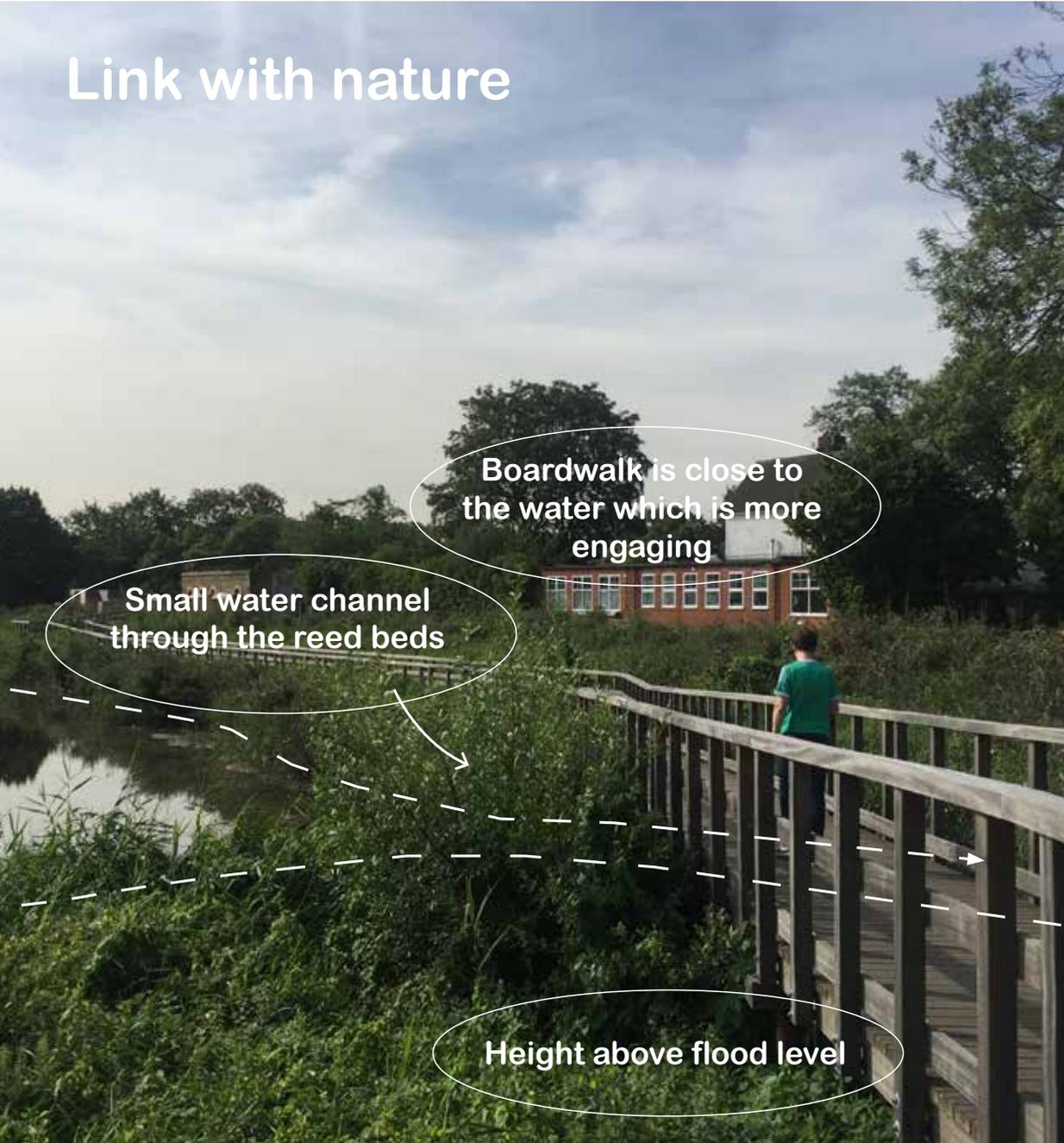
Reedbeds & beneficial trees retained



Replanting existing and expanding reeds  
Reprofiling sediment  
Habitat connectivity

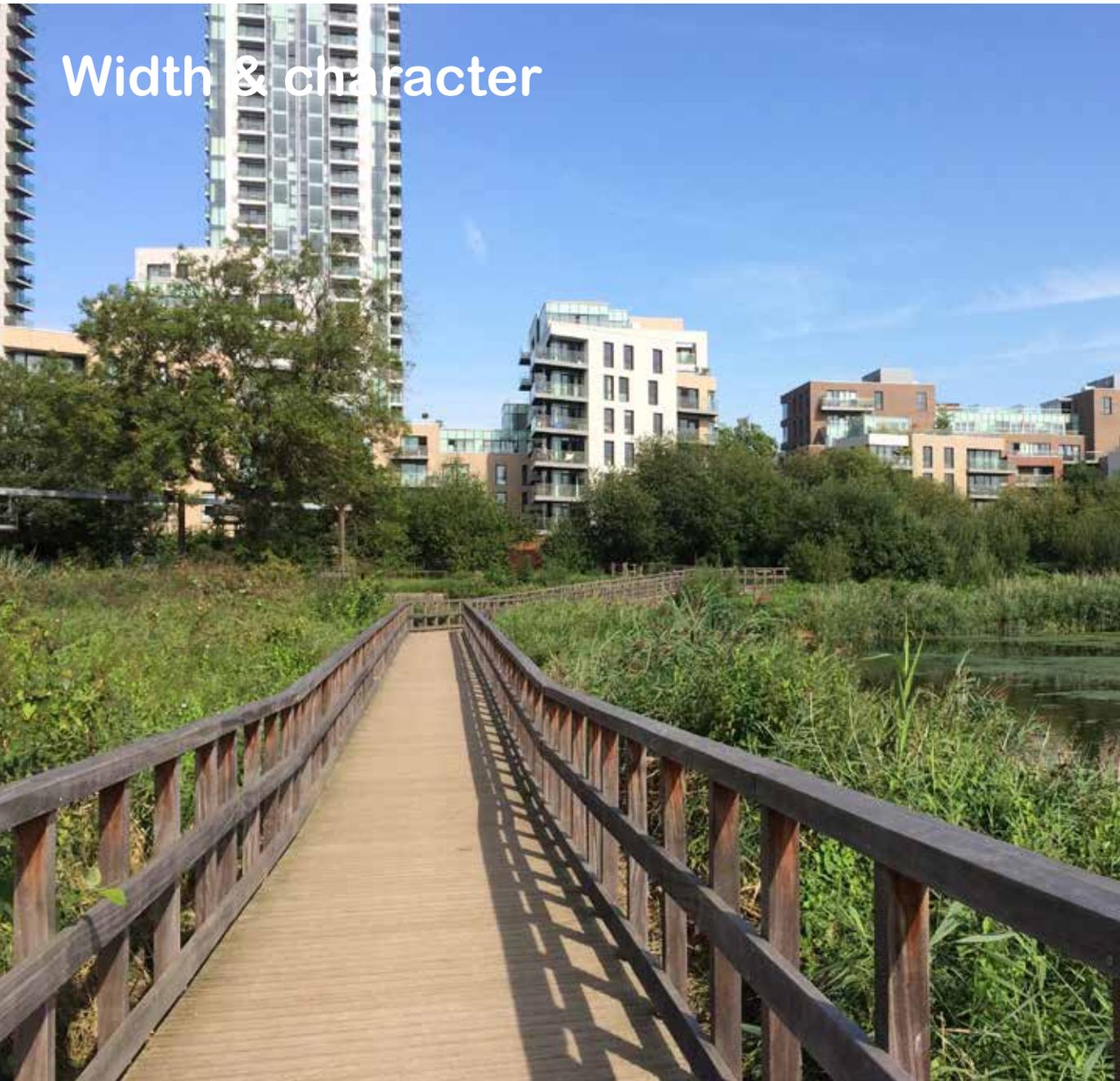
# Wetlands & boardwalk

Link with nature



# Wetlands & boardwalk

Width & character



Handrail comfortable  
to lean on



Piles



3 simple cross rails to allow  
children and people in  
wheelchairs to view out

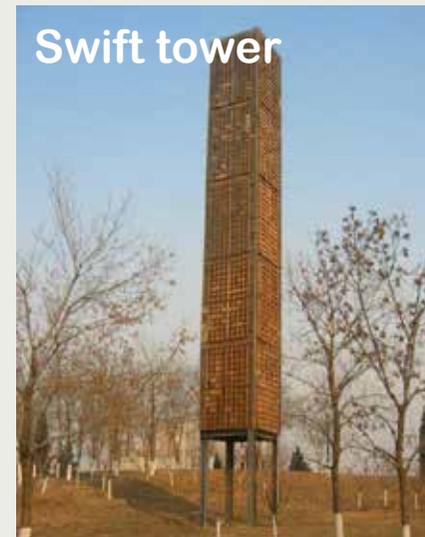


# Jetty

## Entrance structure ideas



Built with local people

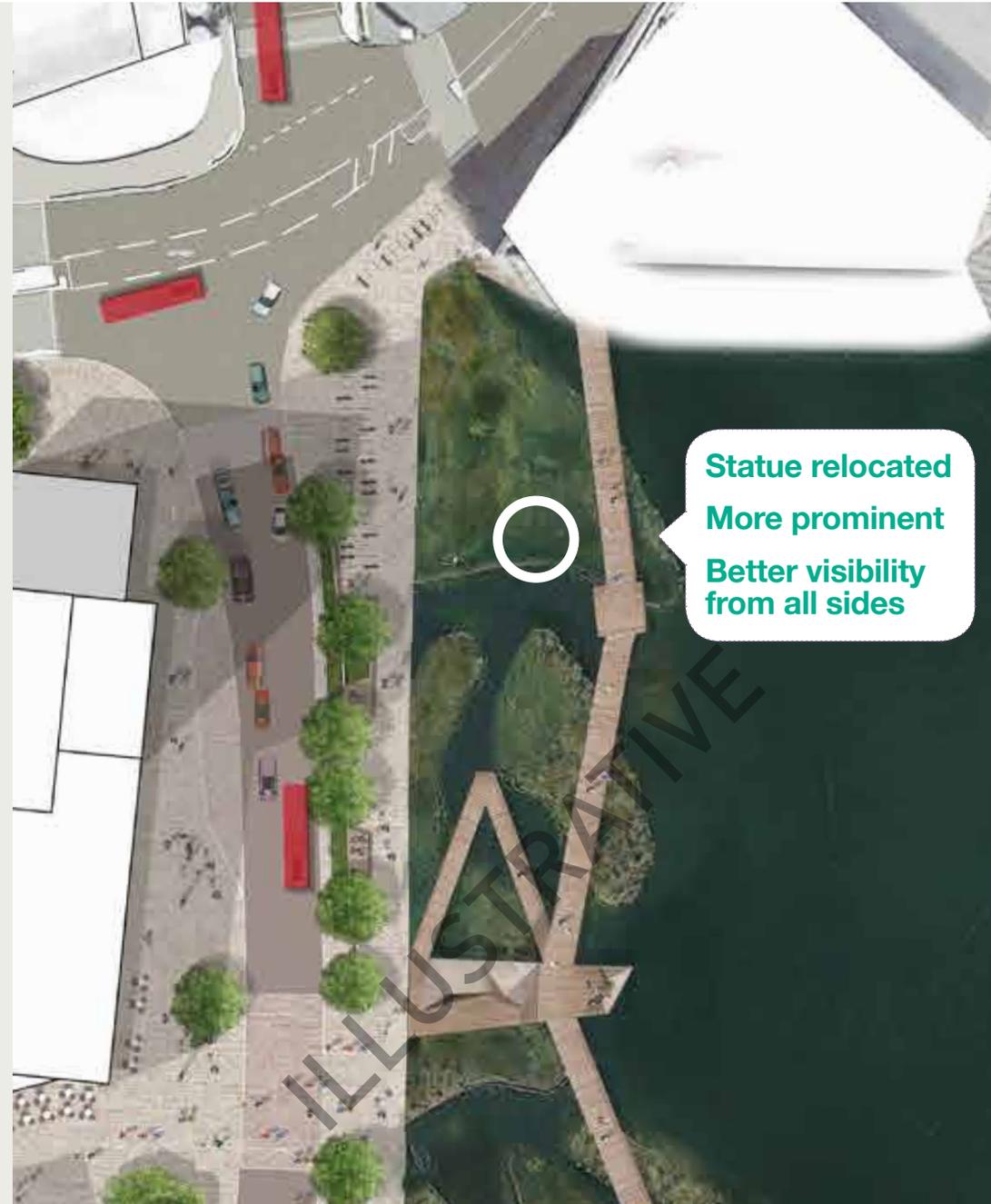


Swift tower



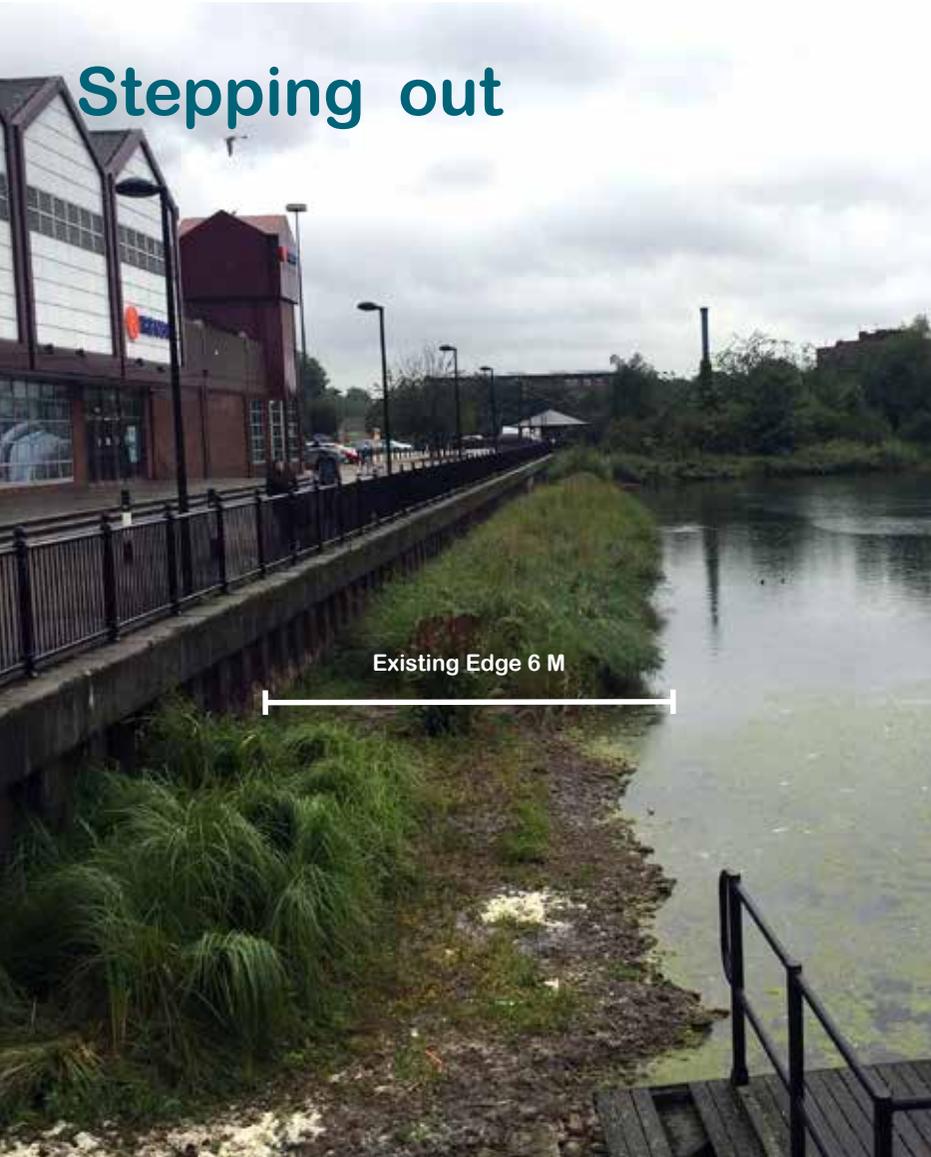
Bat tower

# Deal Porter's Statue



# Southern edge

Stepping out



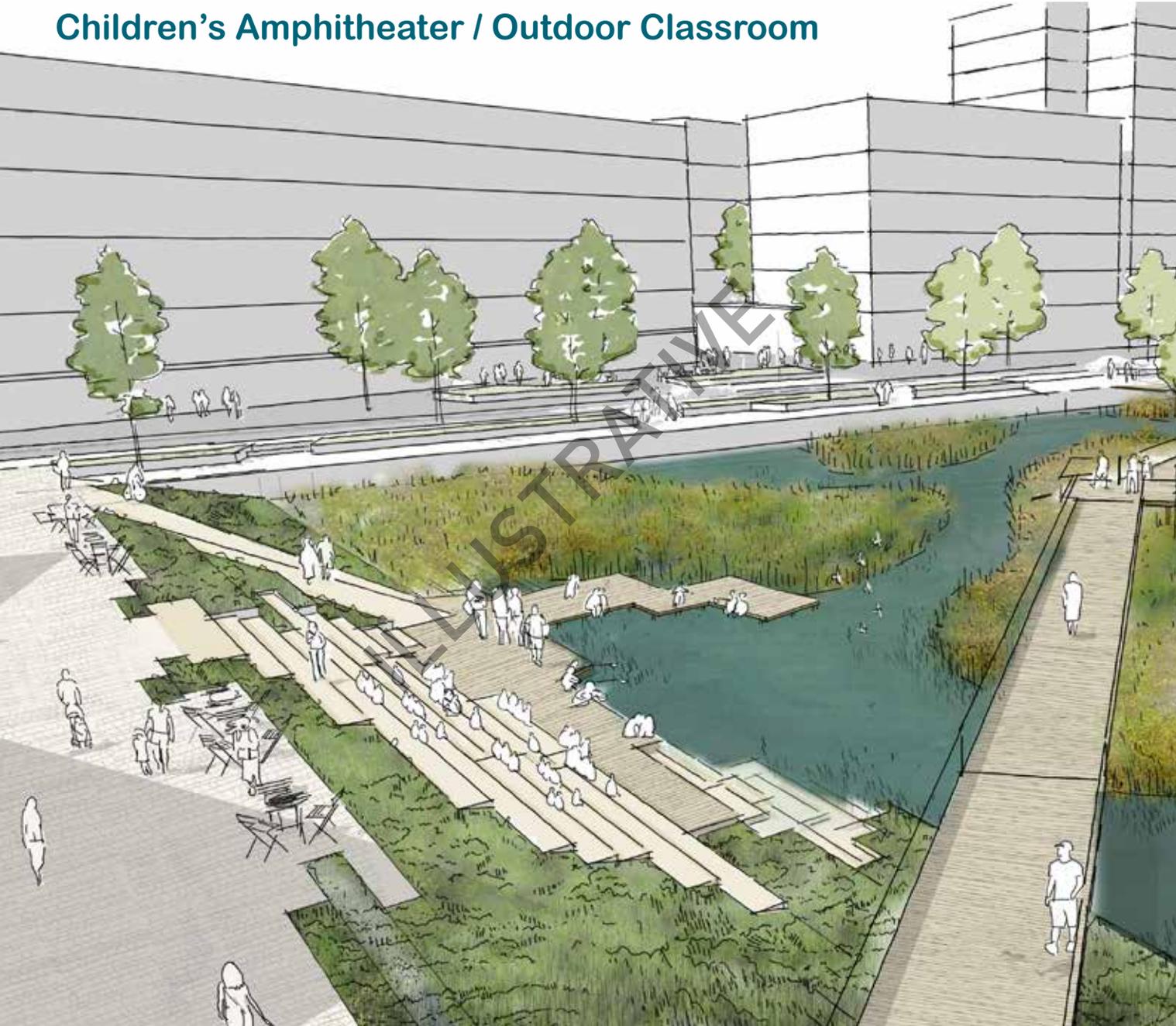
# Southern edge

Closer to the water



# Southern edge

Children's Amphitheater / Outdoor Classroom



Wildlife Interaction  
Engagement + Interpretation

# Meeting the high street

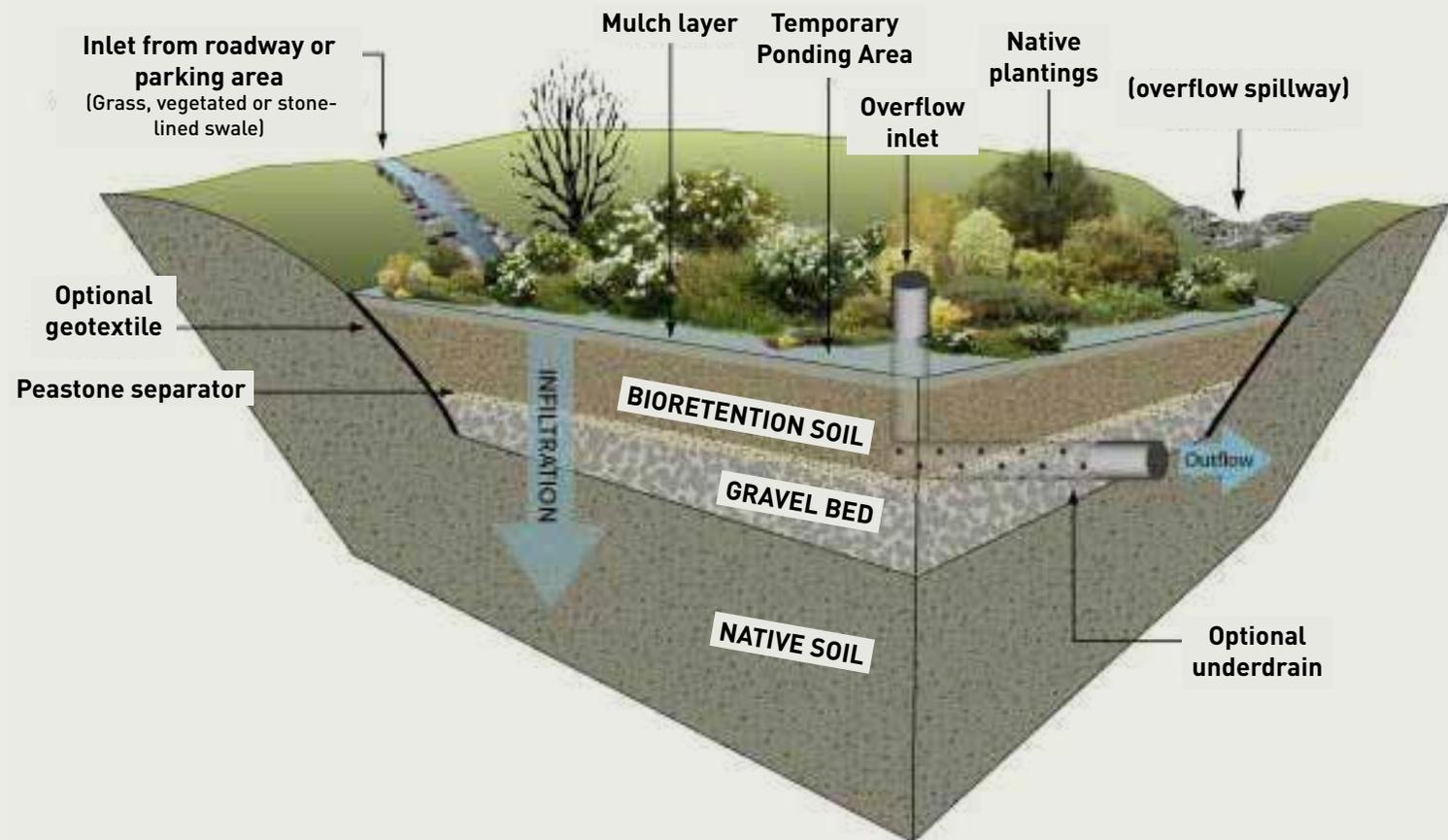


# Water management

Increase & maintain water level to enhance wildlife

- Direct rainwater
- Surface water drainage
- Groundwater (pumped)

Water quality maintained



# Involvement

Wildlife updates



Twitter feeds



Learning rooms



Pond dipping areas



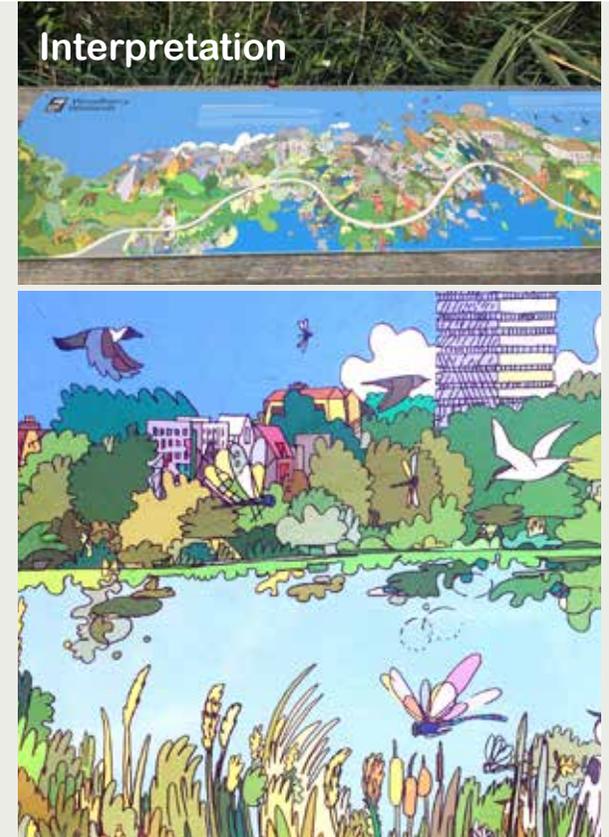
Fishing



Activity



Interpretation

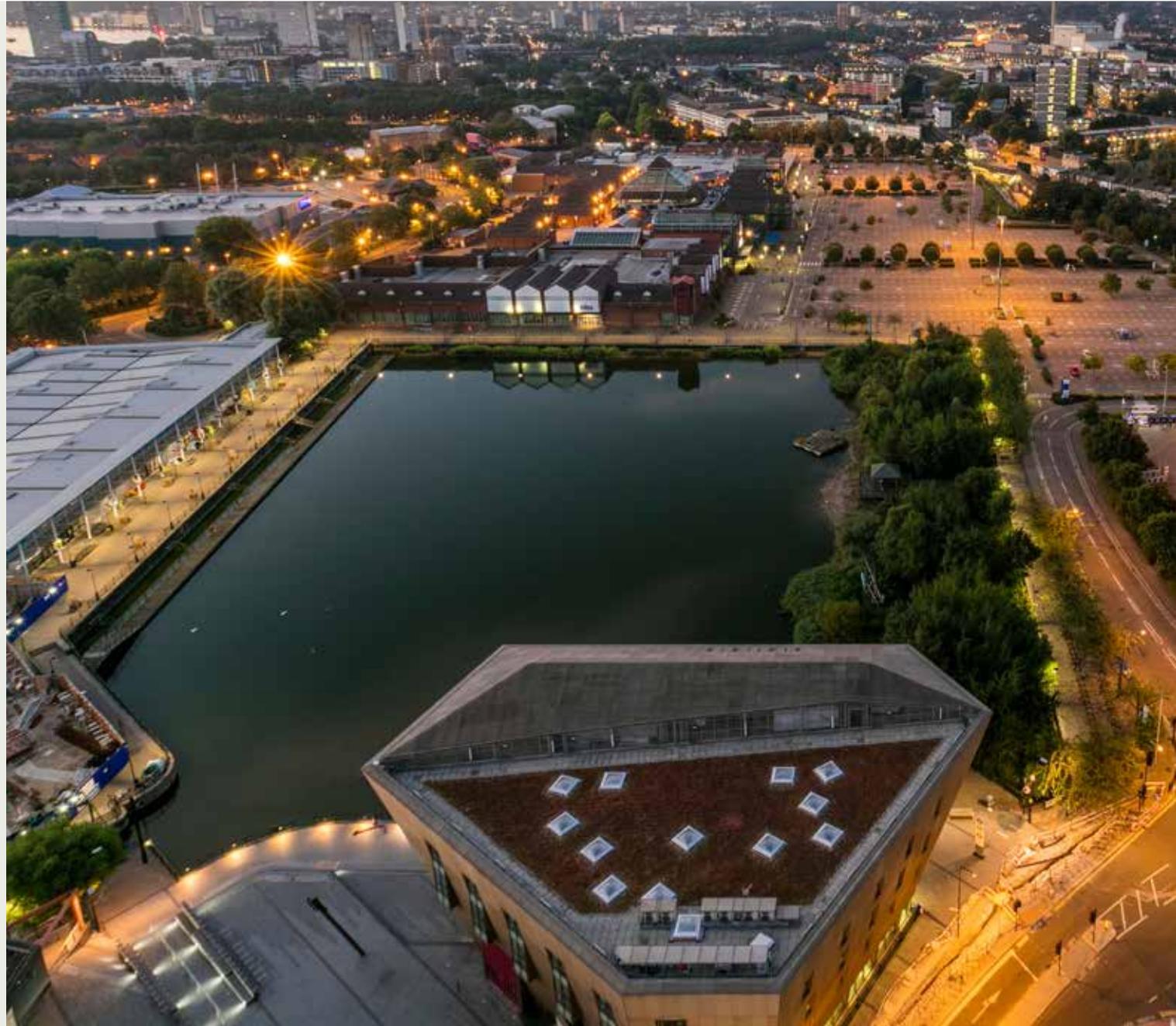


Volunteering



# Management

- Maintenance
- Lighting
- Accessibility
- Seating
- Education
- Cycling
- Access times
- Litter
- Pest control



# Implementation



**Overwinter works  
(out of breeding season)**

**Minimum period of construction**

**LWT monitoring**

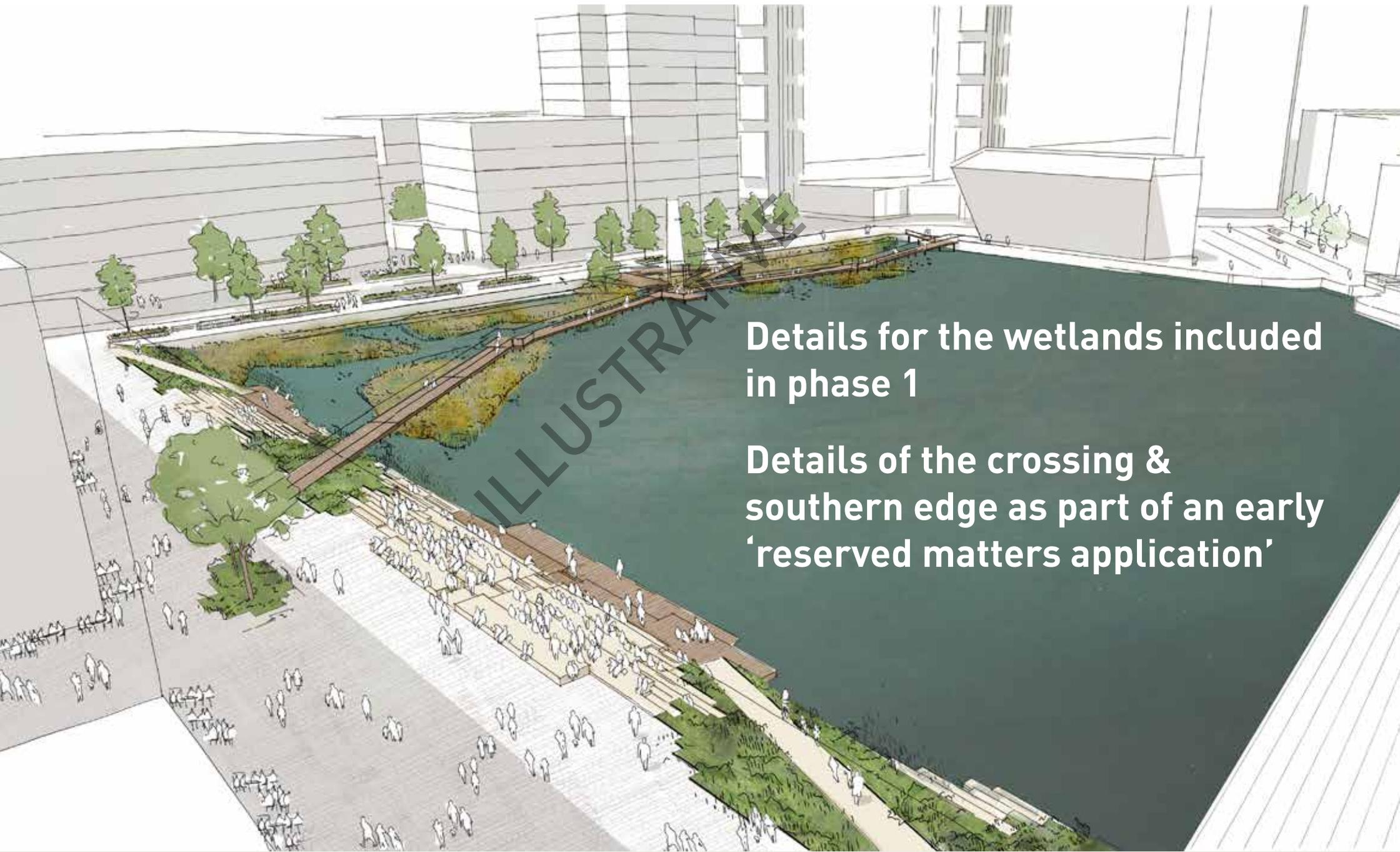
**Short term impact**

**Construction Environmental  
Management Plan**

**Specialised techniques to  
minimise construction impact**

**Proven examples of success**

# Planning



**Details for the wetlands included in phase 1**

**Details of the crossing & southern edge as part of an early 'reserved matters application'**

**Q&A**

# Discussion

# Your thoughts



1 | What design elements could help make Canada Water Dock more attractive for the local community?

E.g. Qualities of design, materials used, character, activities, opportunities for learning etc.

2 | Do you have any good references for the detailed design (e.g. other places that you have visited)?

3 | Priorities: from the discussions today, what are your top 3 priorities for the team to consider moving forward?

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**Round-up**

# Next steps

- **Urban Exchange 2 - young peoples' session - 3 December**
- **Culture & Heritage Topic Session - 13 December**
- **Developed masterplan exhibition early 2018**
- **Key issue discussions**
- **Planning application spring 2018**

**Thank you**