



Santry River Restoration and Greenway Project

18th August 2022

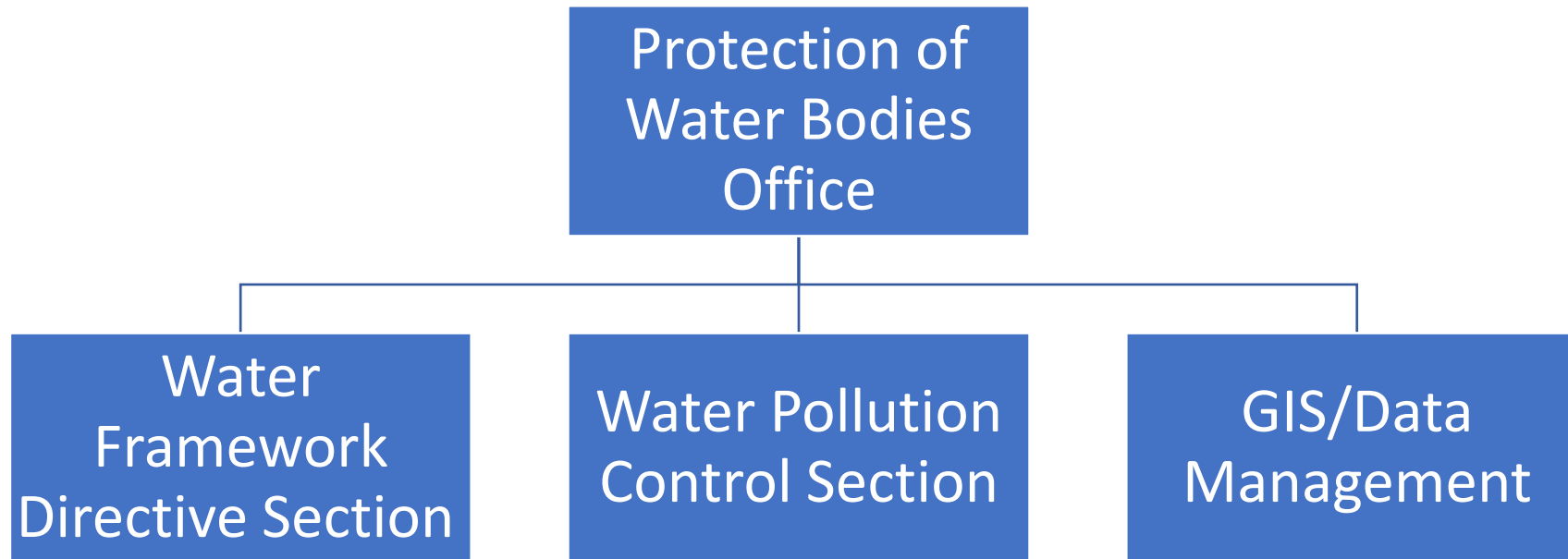
John Stack

Senior Executive Engineer

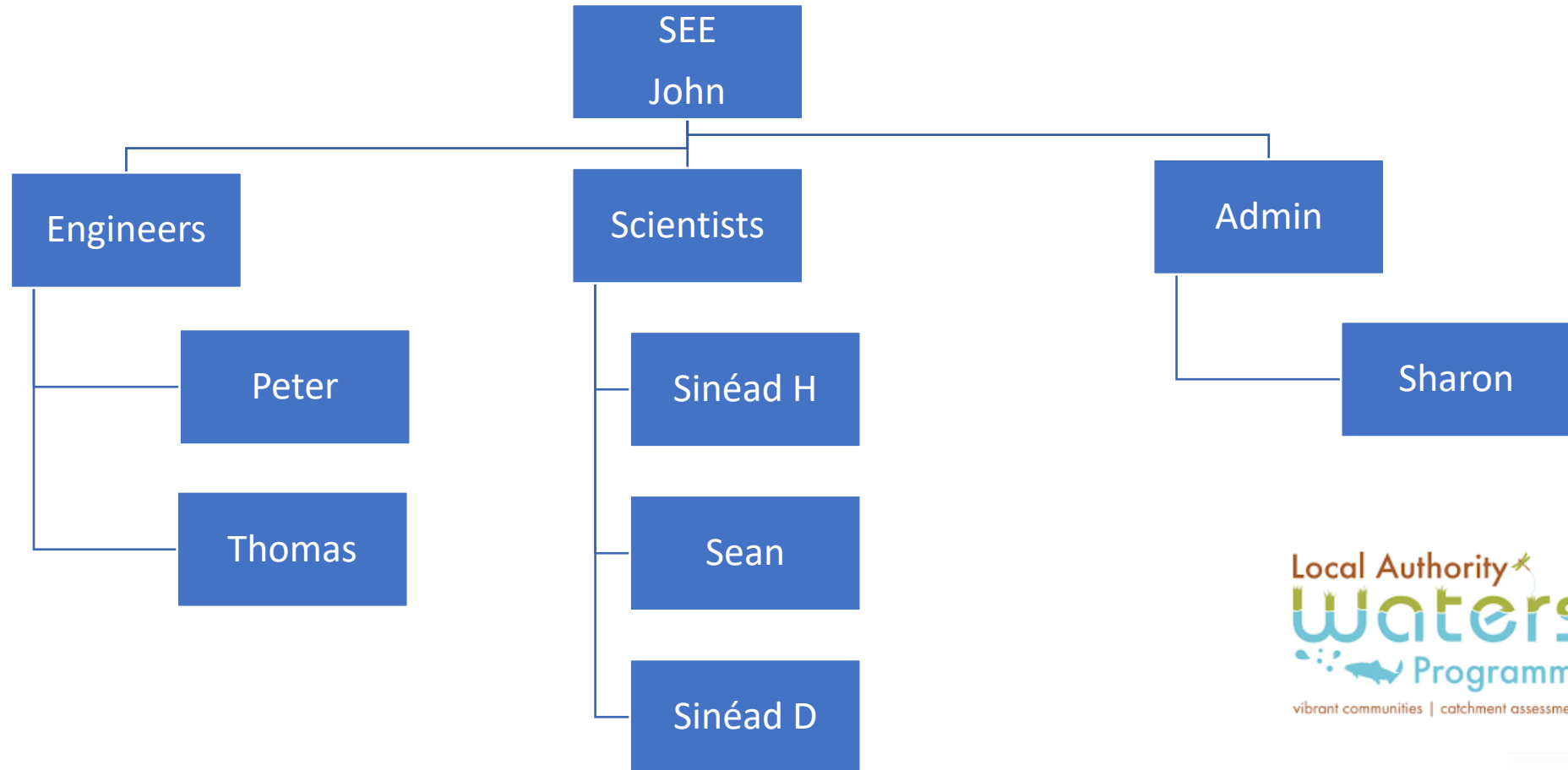
Protection of Water Bodies Office

Dublin City Council

Who we are



Water Framework Directive Section



Tonight's Agenda



7:10

Heritage of the Santry
River – Douglas
Appleyard



7:25

The Santry River
Restoration and
Greenway Project – John
Stack



7:40

Community Projects and
Involvement – Thomas
Carolan



7:50

Q&A



8:00

Tea/Coffee,
refreshments and
further conversation



You are welcome to St John's

A Church of Ireland church
dedicated to
St John the Evangelist

(built on an early Christian site
associated with **St Brendan**)



"Heritage Week 2022"

"Sustainable Heritage and Biodiversity"

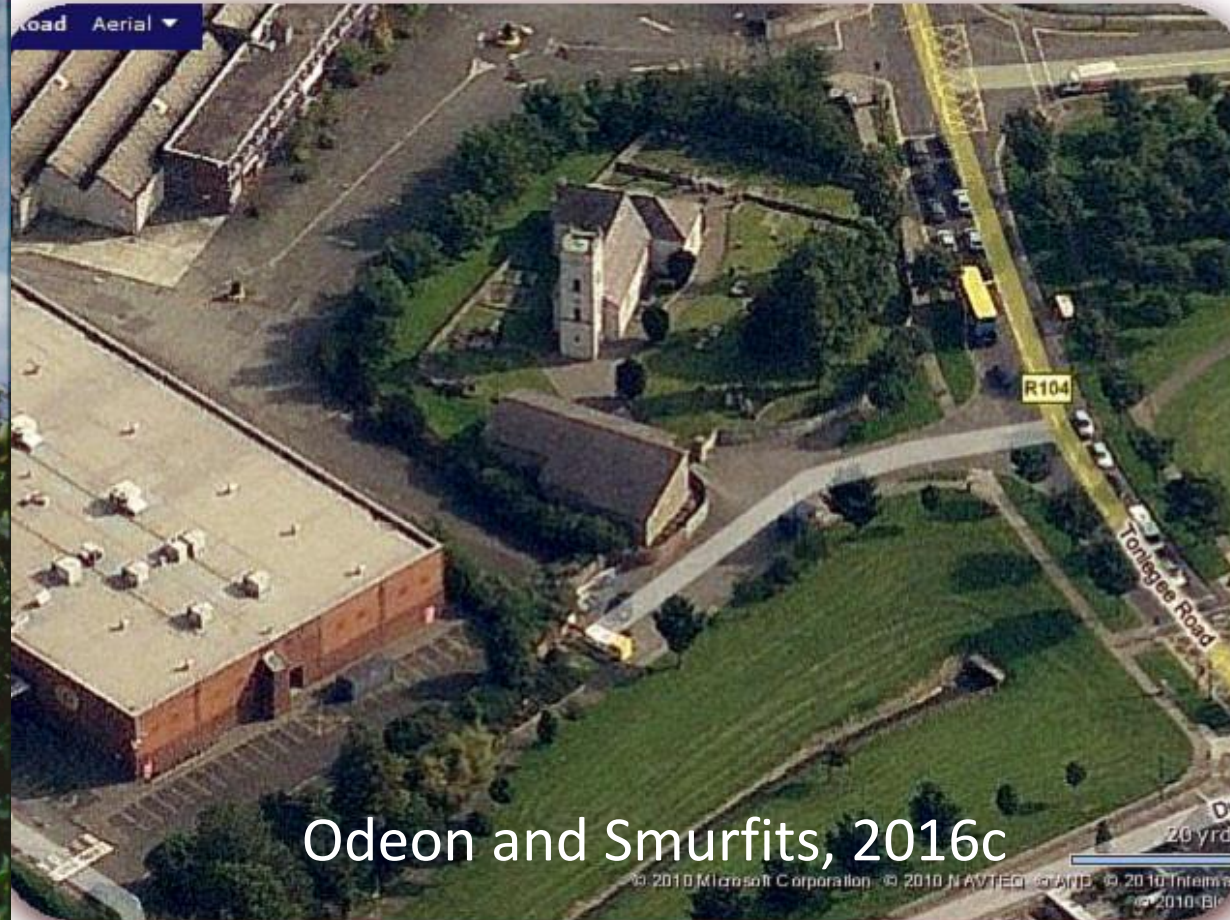
"Water Heritage Day"

Sunday 21st August.

From country Parish to suburban Parish



Edenmore Road (now Springdale Road) in 1960



Odeon and Smurfits, 2016c

all within two generations!

Church Building



1790

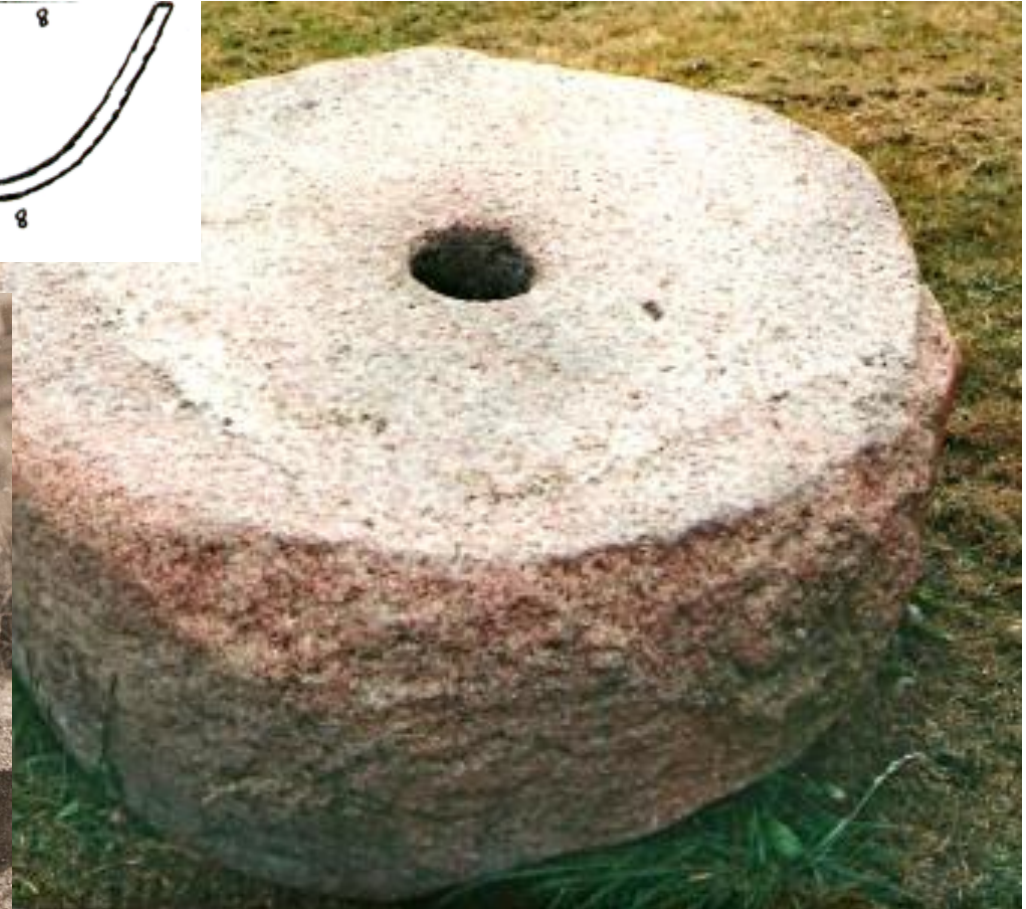
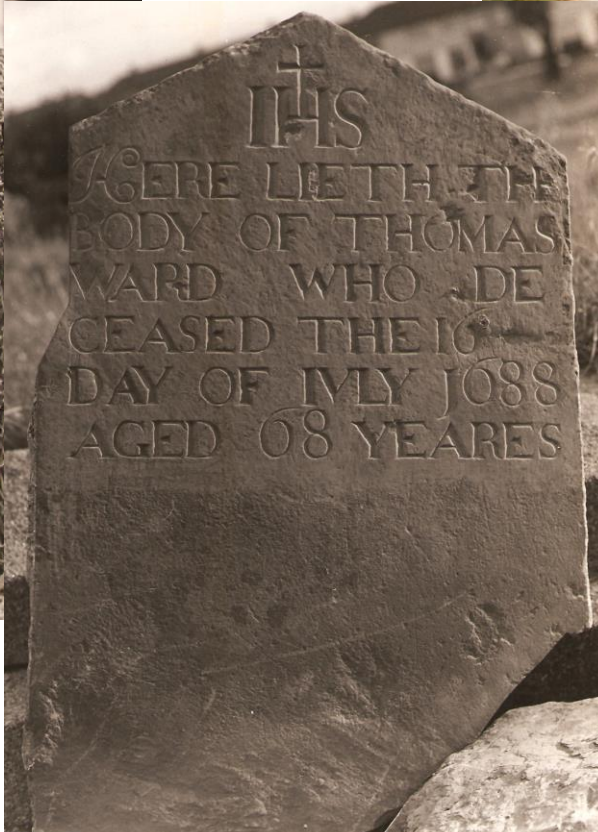
Photo: V. Garrett



1760

1815

An 'ancient site'



Types of Grave Markers



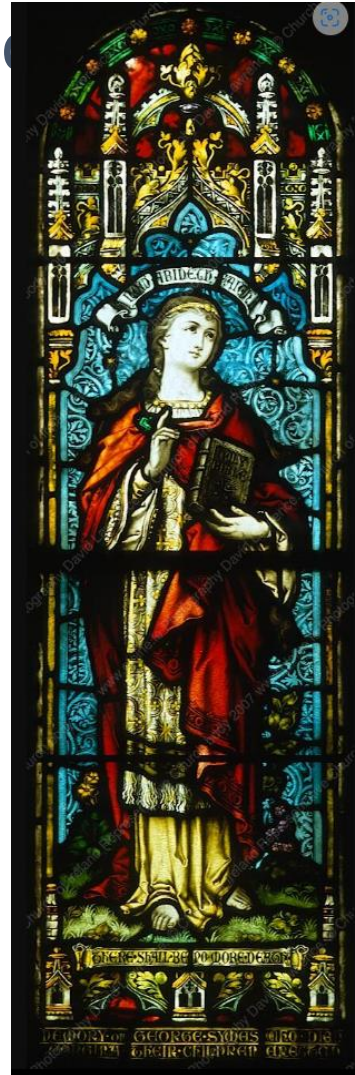
Artistic Stained Glass

Photos from www.gloine.ie

By the top and studios



Edward Burne-Jones/Wm Morris, 1901



Mayer of Munich, 1893



A E Child/An Tur Gloine, 1920

First World War Memorial



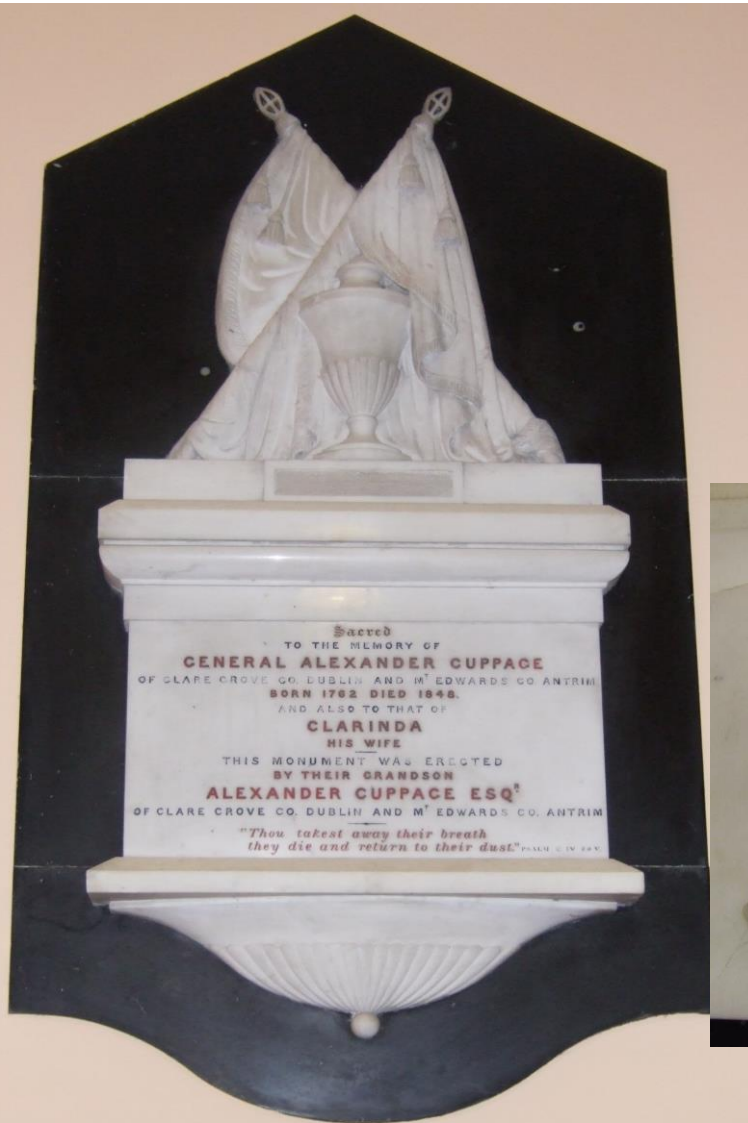
A E Child/An Tur Gloine, 1920

Bronze plaque by McLoughlin & Co.



Grave marker from WW1
France

Marble Memorial Plaques



The Pipe Organ - built by Conacher



Our Parish

- A small congregation in a place associated with Christian worship for over 1400 years
- A parish within **The Church of Ireland**
- Grouped with **Raheny Parish** under one **Rector**
- C of I is an independent province within the world-wide **Anglican Communion**
- Service every Sunday at 11.00am, either **Holy Communion** or **Morning Prayer**
- **Children's Sunday Club, "G4J"**, in Hall at same time as church
- The Parish Hall is used for **parish activities**
- The Hall is also available for use by **the local community**

10 Historic sites on the Santry River

from Bronze Age to Victorian.

Douglas S Appleyard
Heritage Week, 2022

The River Santry has many historic associations, but little is known about it in any detail.

In early historic times, it was probably used to transport goods to and from the sea.

It certainly provided natural power for at least two watermills on its banks.

We know lakes were created on it at Edenmore House for fish ponds.

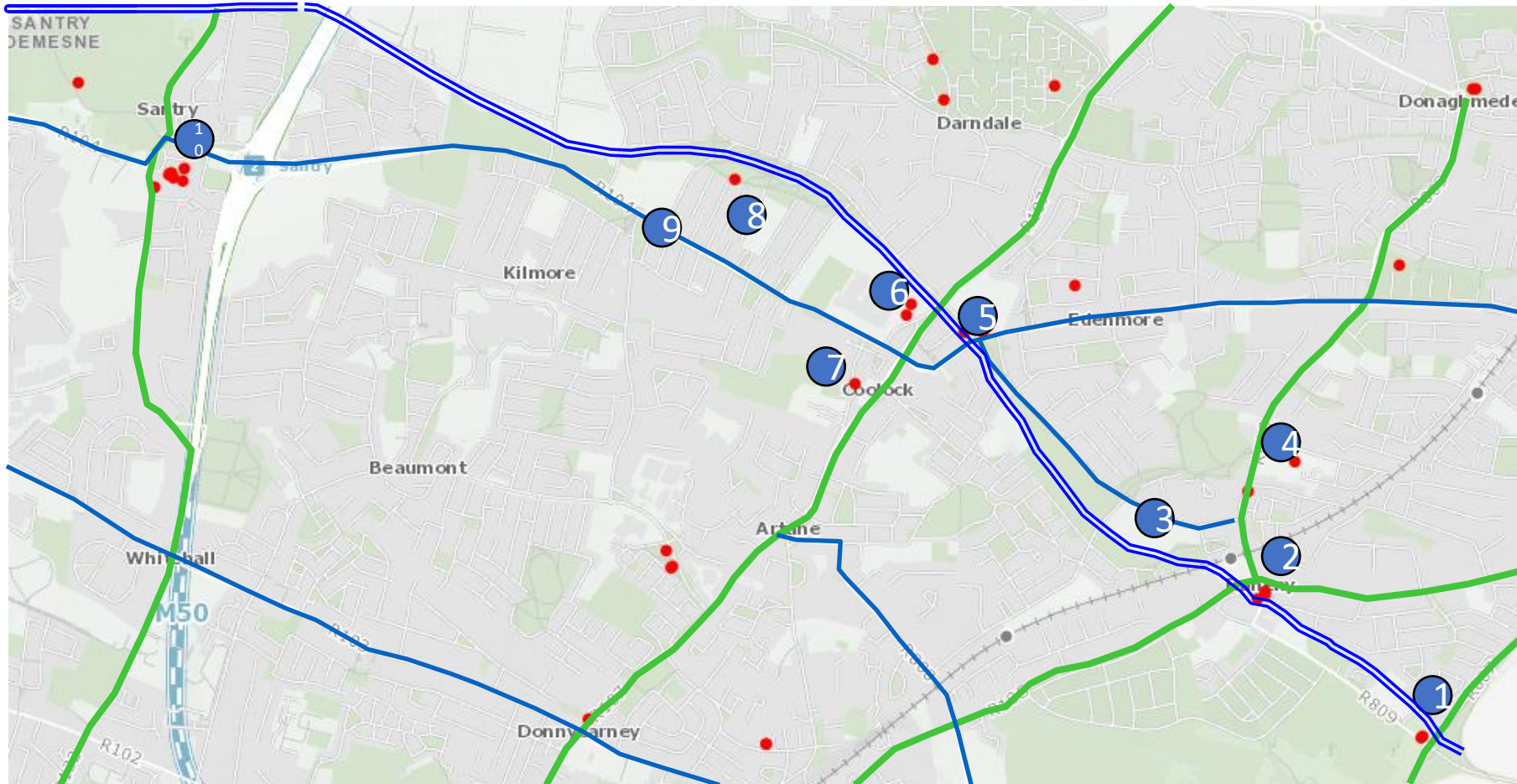
Historic Environment Viewer

<https://maps.archaeology.ie/HistoricEnvironment/>

Main Roads

Traverse Roads

River Santry



1 Raheny Watermill



Rocque's Map, 1759



OS map overlaid on modern

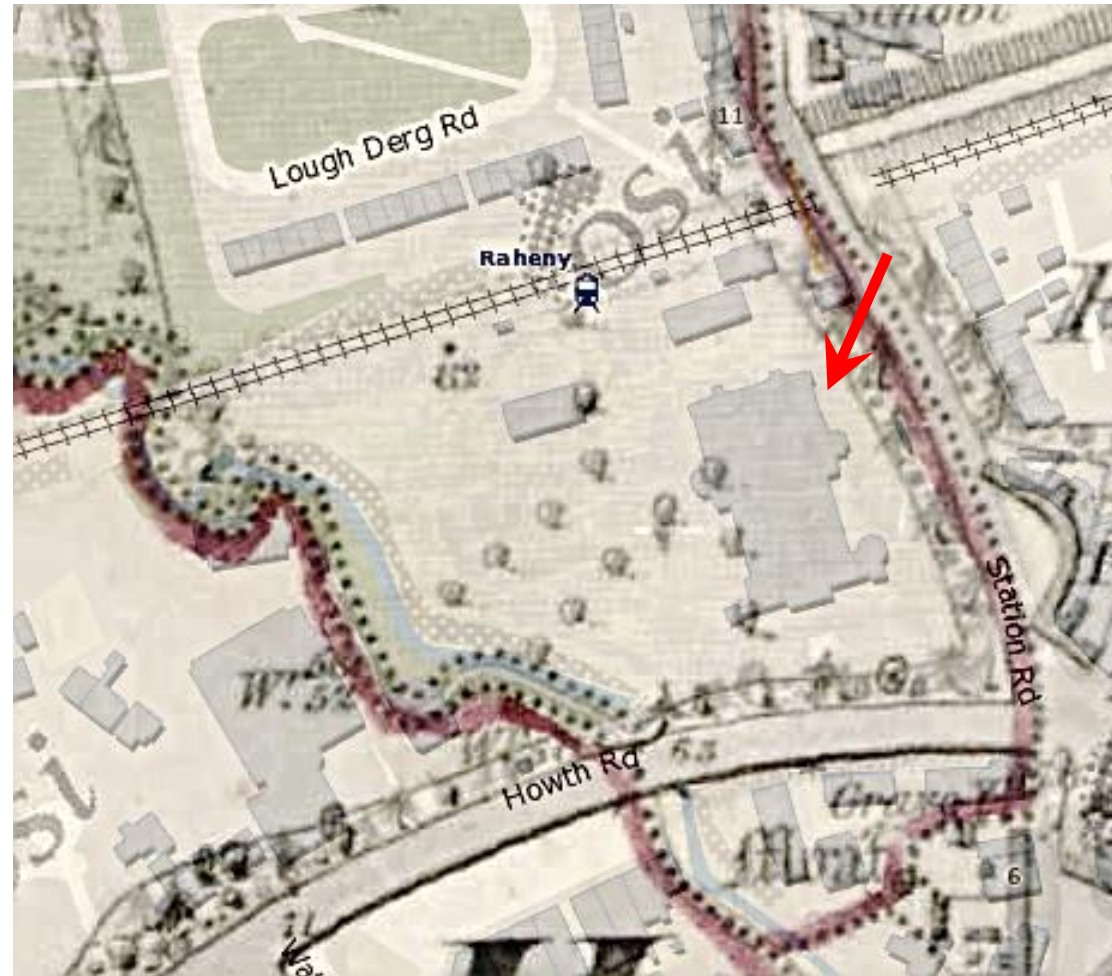
2 Rath of Raheny



Picture 1 Raheny, painted by E McFarlane, 1854c

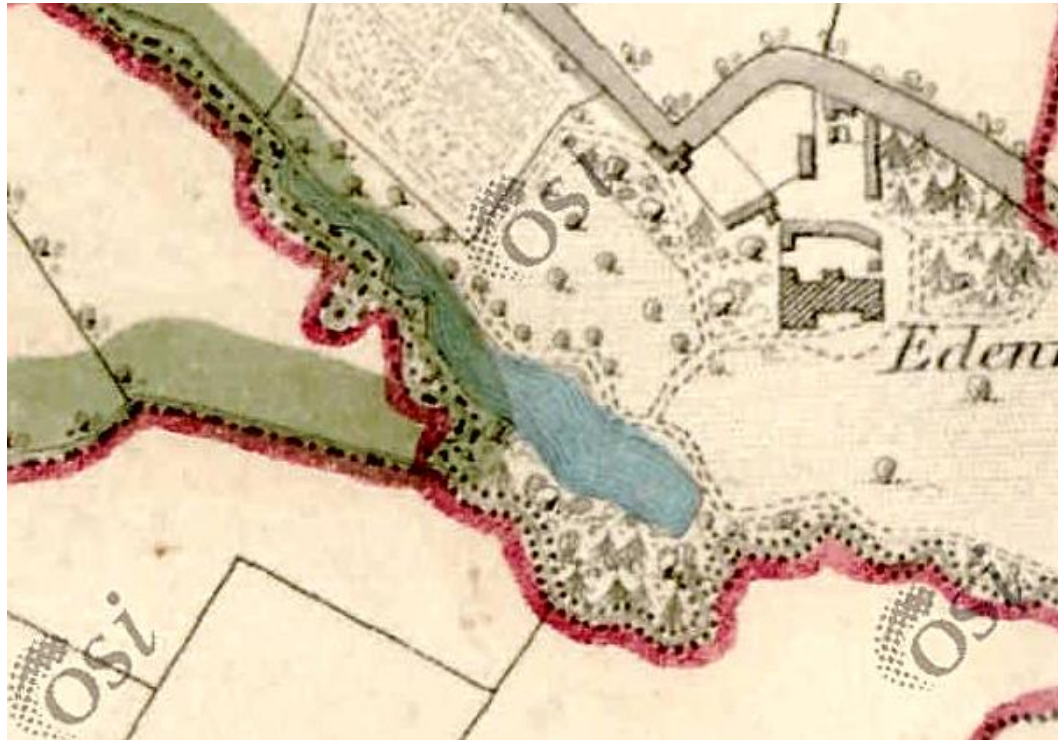
Rath of Raheny

3a Raheny Well

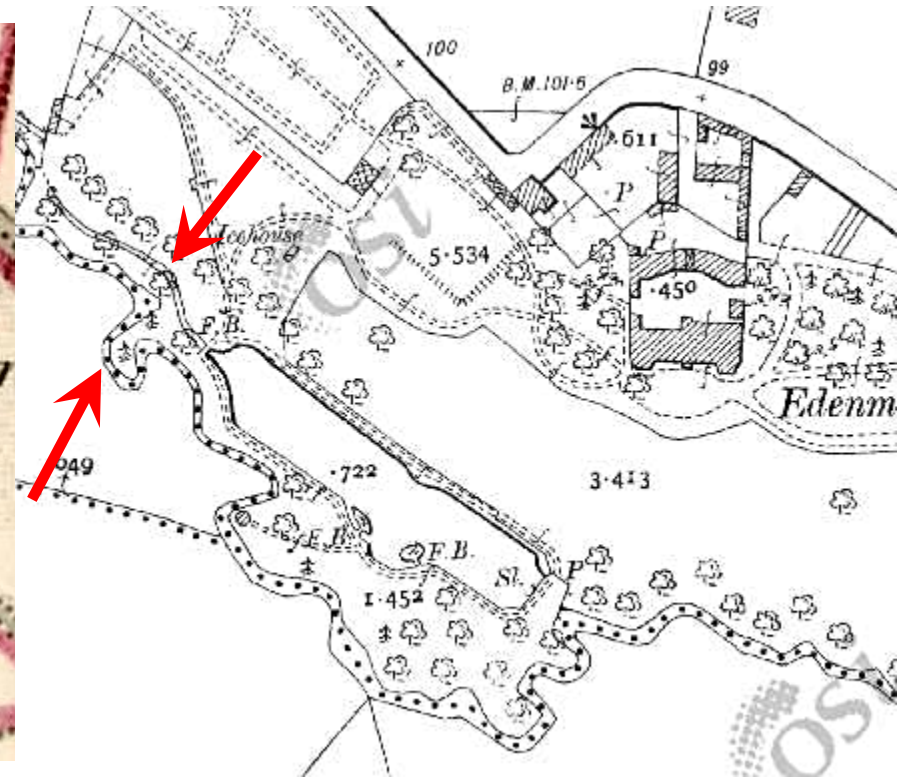


OS 1837 overlaid over current map

3b Fishpond at Edenmore



OS 1837 map



OS Map 1909c

4 Raheny Windmill

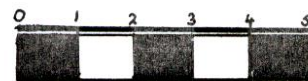
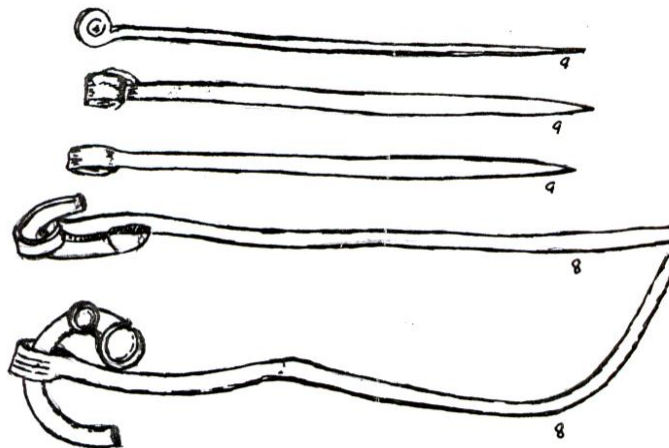


5 Early Christian site (St. John's).

Taken from Lives of Irish Saints



The Coolock Brooch, sketched by archaeologist, Leo Swan



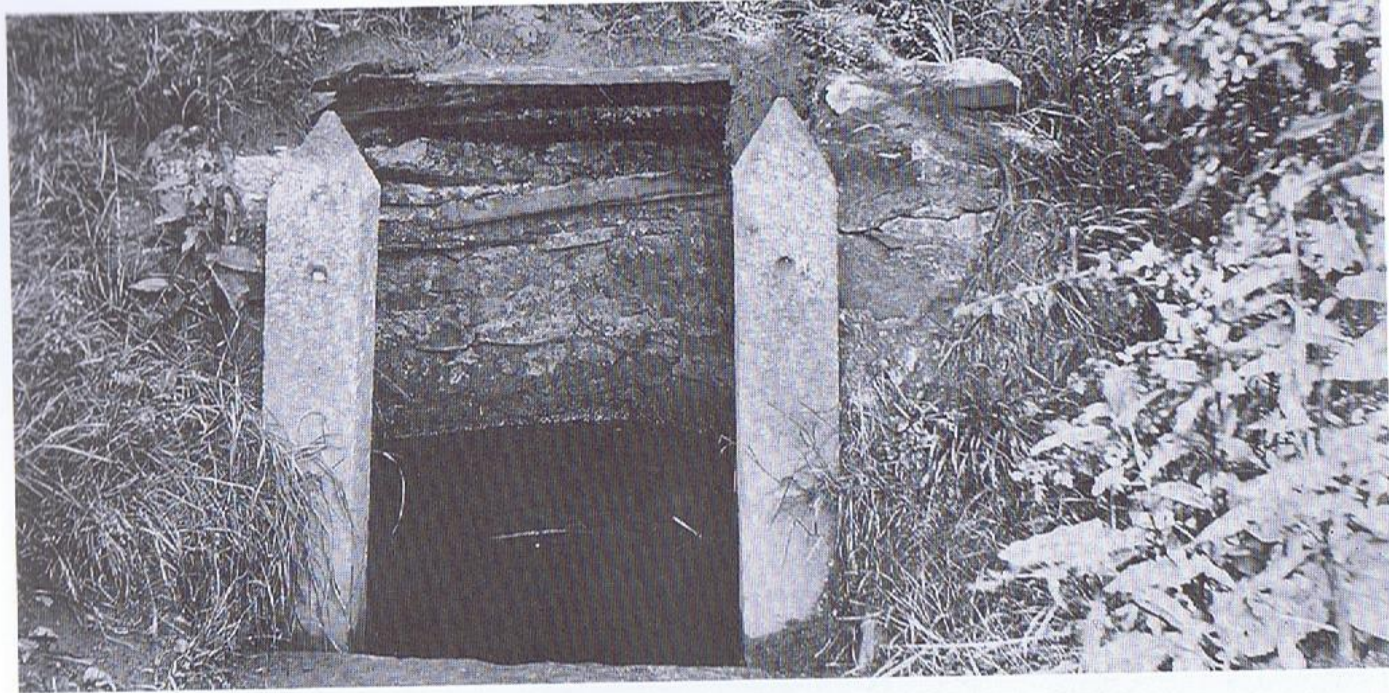
ES70

© LS.

6a St Brendan's Holy Well



Photo 1962c



St Brendan's Well, Coolock, in the 1890s, before its closure. (Image courtesy of the National Library of Ireland)

6b Possible Leet on river.



Rocque's Map 1759c



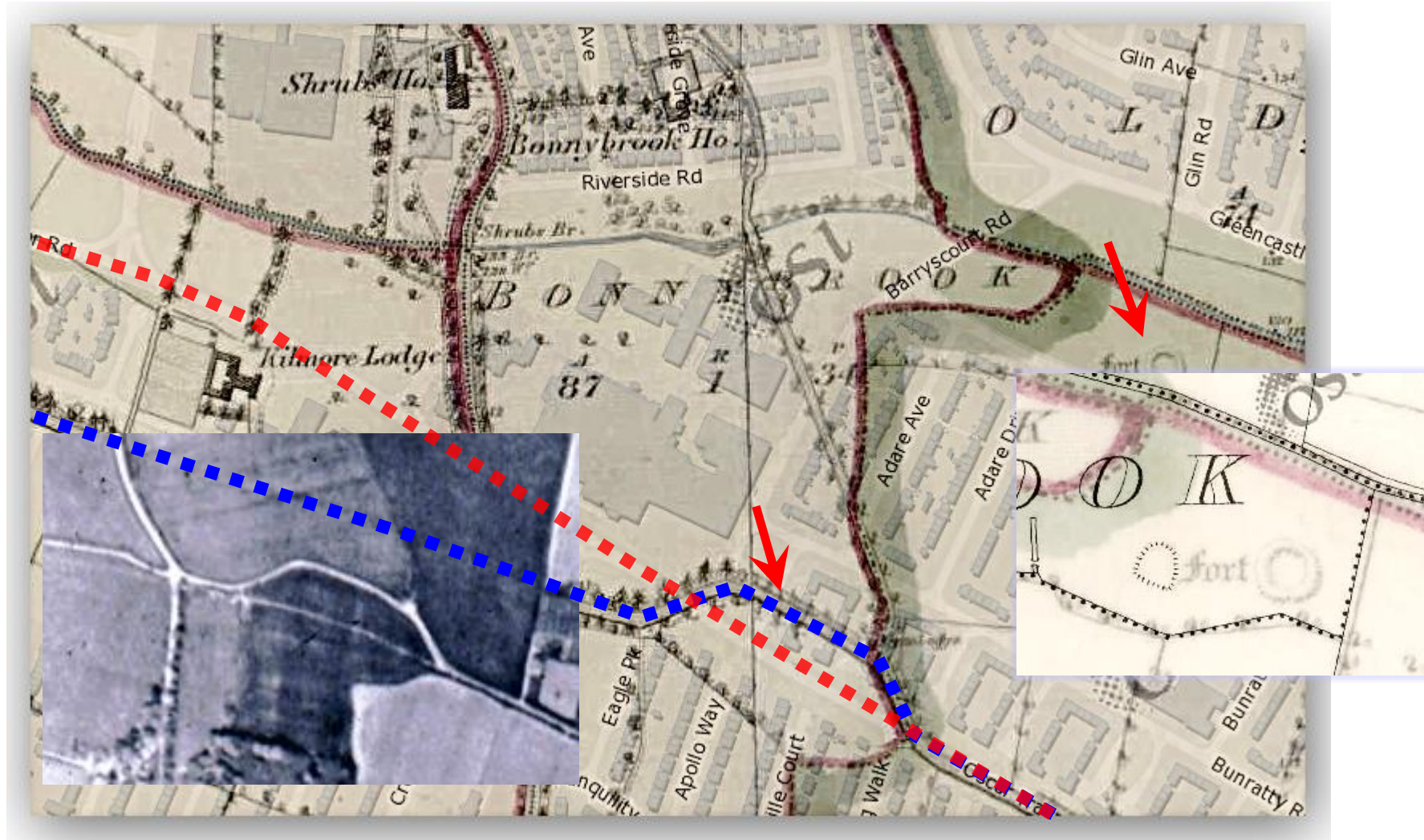
OS Map 1837

7 Bronze Age mound



Map from Geohive

8 & 9 Ancient Fort and 'unknown'



10 Santry

Santry is centered around an Early Christian Site dedicated to St Pappin.

The River Santry runs through the Santry House estate.

But, Santry is outside our area of interest tonight!

10 Historic sites on the Santry River

That's all, folks. Thank you.

Douglas S Appleyard
Heritage Week, 2022



... and now over to DCC
and
The River Santry Project

The Santry River Restoration and Greenway Project

Introduction to the Project

The Santry Catchment

- River Santry

- Approx. 13 km in length, rising in Harristown, west of Dublin Airport
- Approx. 50:50 split between DCC and FCC
- Discharges to North Bull Island Nature Reserve and RAMSAR site
- Dublin Bay Biosphere

- Catchment – approx. 14 km²

- Mixture of

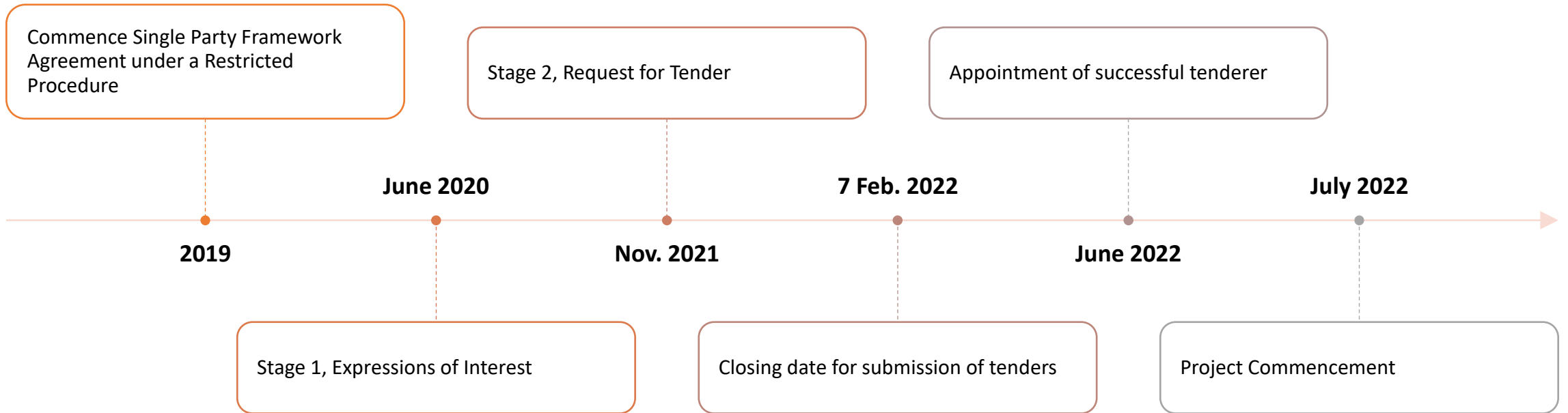
- Agriculture
- Residential
- Industrial/Light Industrial
- Warehousing
- Managed parks



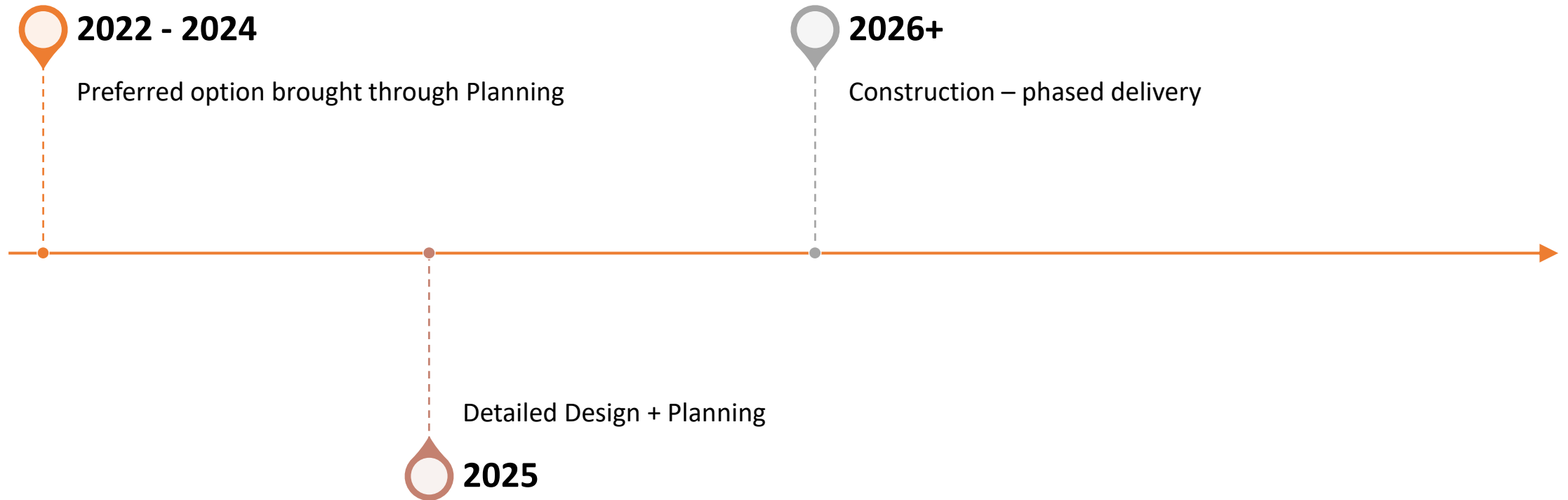
Objective of The Project

- **MASTERPLAN** for the catchment, based on the following objectives
 - Delivering good status under Water Framework Directive
 - Addressing flooding issues identified under CFRAMPs reports
 - Addressing habitat/ecology/biodiversity issues identified through baseline surveys carried out in between 2019 and 2021.
 - Providing sustainable transportation through incorporation of a recreational greenway (walking/cycling)
 - Improving social and recreational amenities in the catchment as identified through community/stakeholder engagement

Project Progression to Date



Project Timeline



Governance

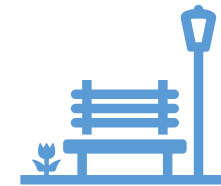


Cross-Agency (DCC, FCC, NTA)
**Multi-departmental/disciplinary within
each organization**
Community/Stakeholder Input



DCC Environment and Transportation

Protection of Water Bodies Office
Roads and Traffic (Sustainable Mobility and Projects)



**DCC Culture, Recreation and Economic
Services**

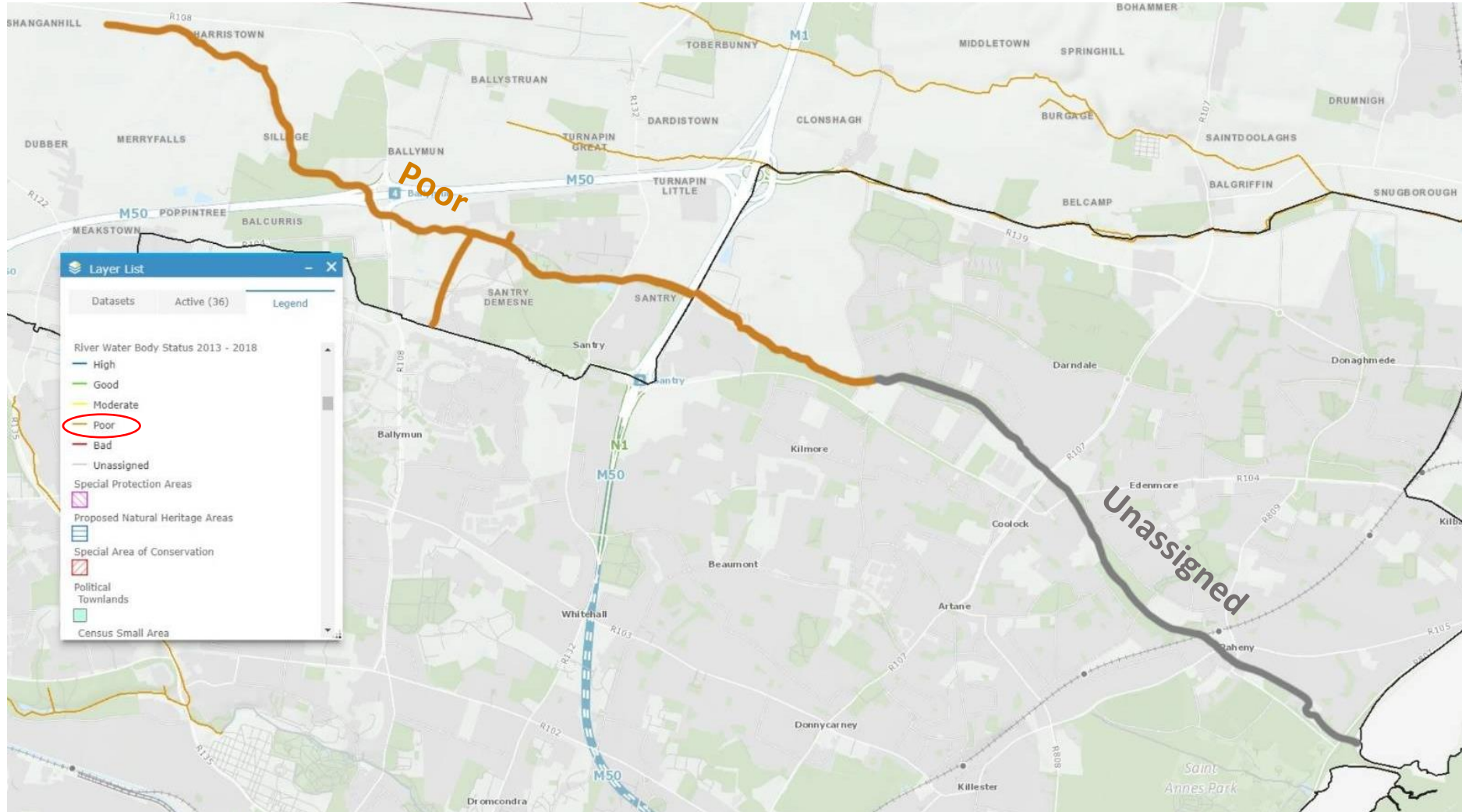
Parks and Landscape Services Division

Consultants

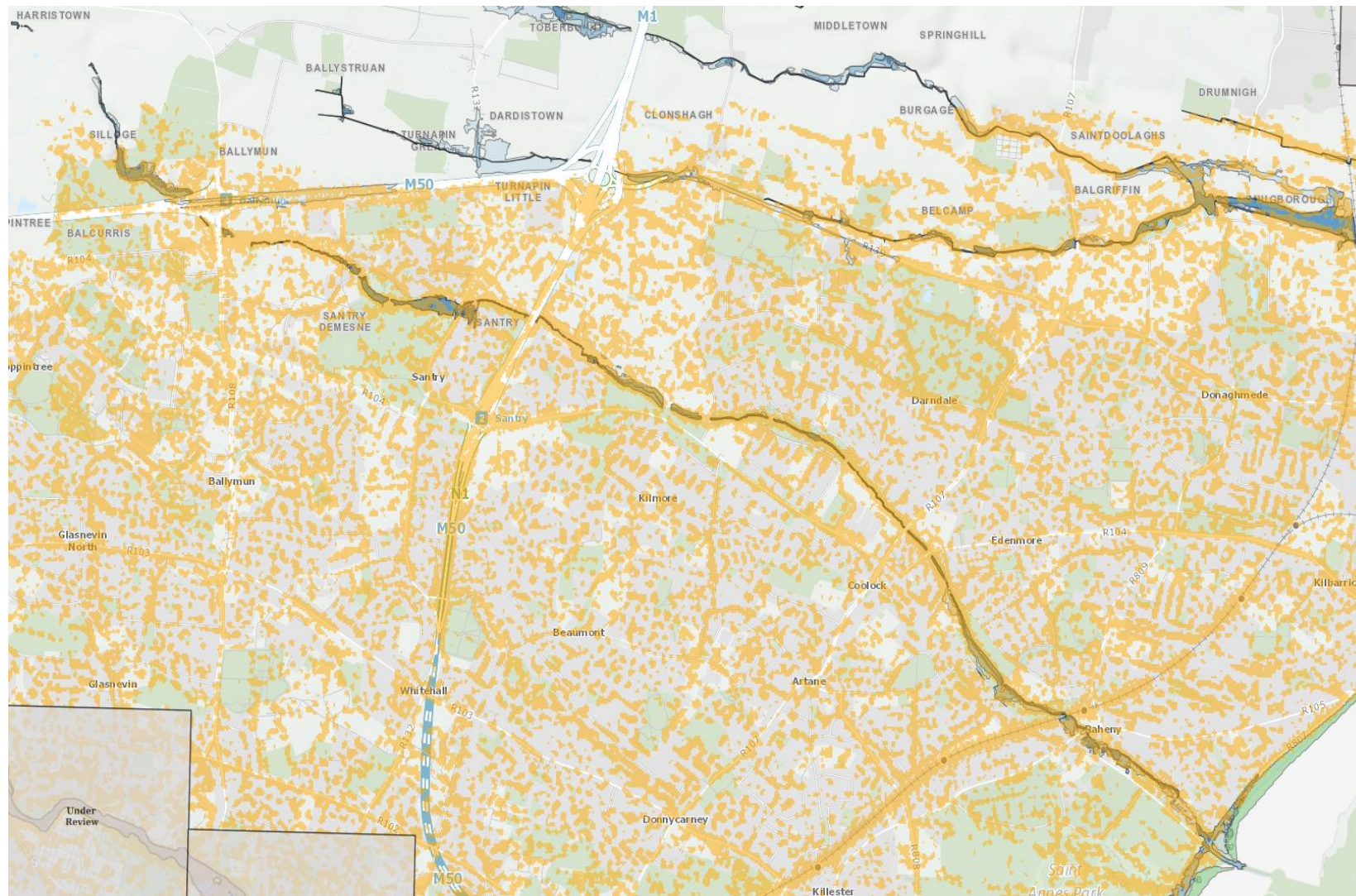


Some challenges we'd like to address

Water Framework Directive Status

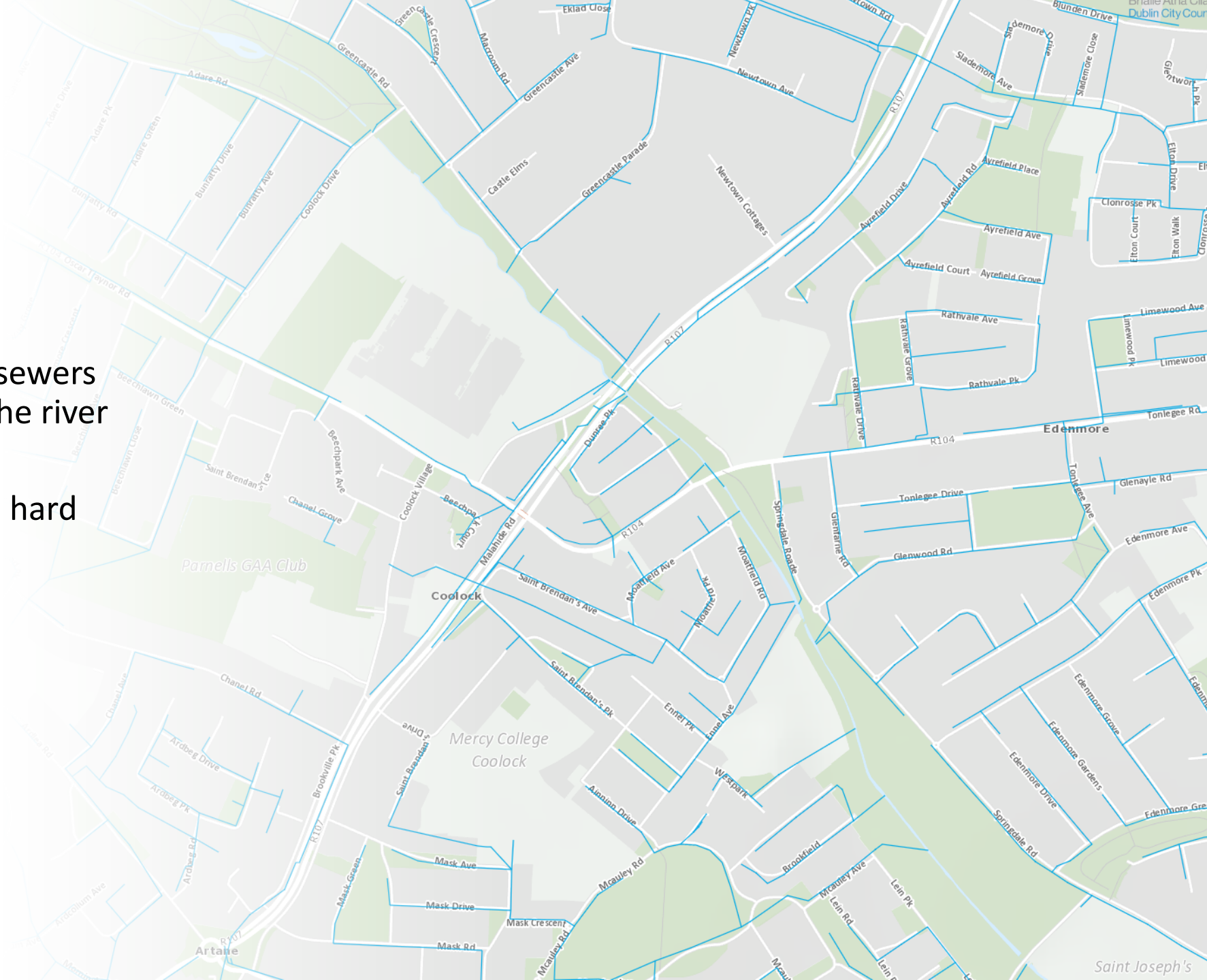


Flood Risk



Drainage

- Dense network of storm sewers taking 'urban runoff' to the river
- Urban runoff – rainwater polluted after falling on a hard surface



An assessment of the fisheries habitat in the Santry River



Assessments carried out by Operations staff of IFI, Dublin
Report compiled by Michaela Kirrane, IFI Dublin



Photograph 5. Santry River brown trout before being returned to the river

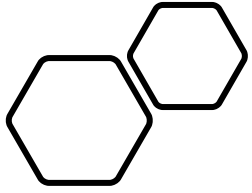
Ecology

- Conclusion: *“...if current pressures were to be resolved, the Santry River would be capable of sustaining a healthy fish population and become a more valuable amenity.”*



Transportation

- Car-focused
- Some cycle routes towards city centre
- Few moving west-east



Amenity Green Space

- Can we make better use?
- Provide a greater range of amenities and social spaces?





Other issues

- Littering
- Poor morphology
- Access



Cleaning the river (2021)



We'd like your input!

- Important to engage
- Local knowledge important
- Opportunity for community needs
- Dates for the diary – 8th, 9th September 2022



SITE VISIT WORKBOOK

Santry River Restoration and Greenway Project

Dublin City Council, Fingal County Council, National
Transport Authority

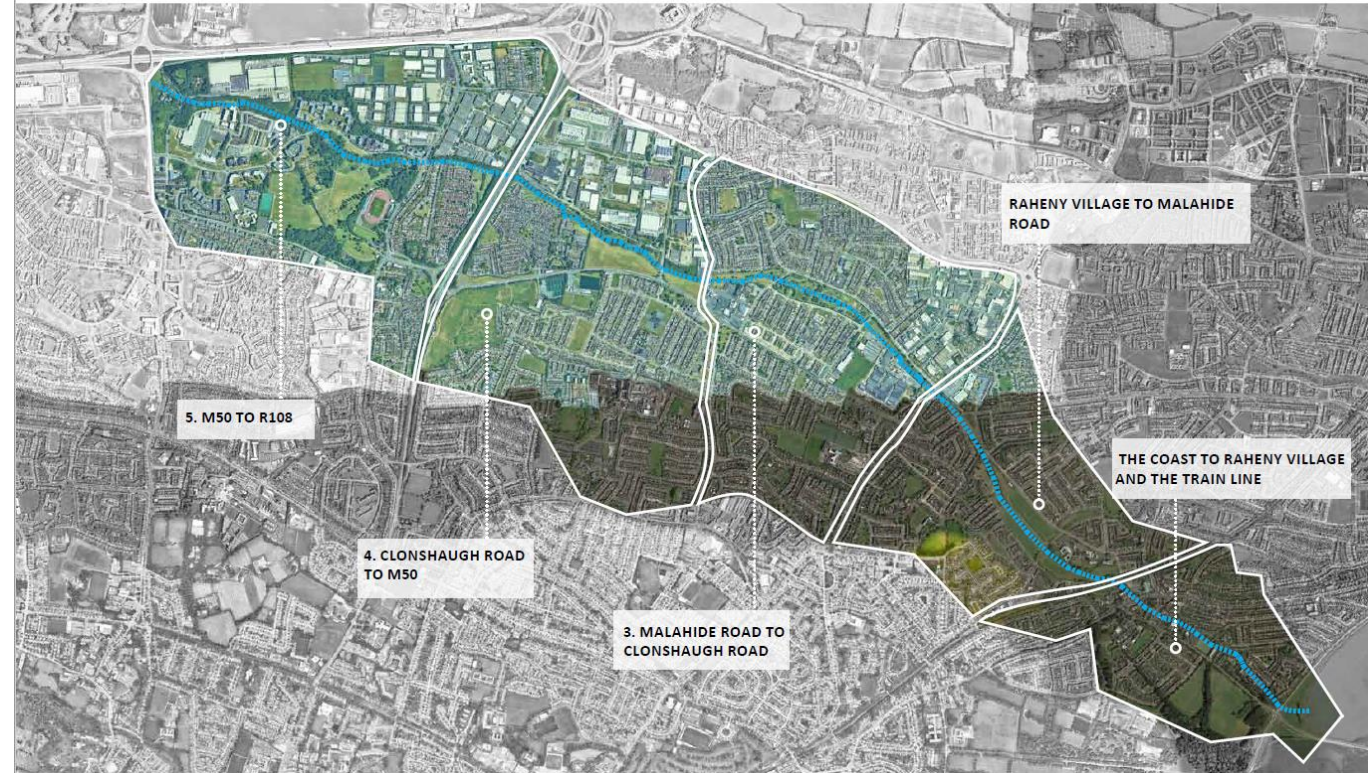
DRAFT

Nicholas O'Dwyer Ltd Consulting Engineers in collaboration with
REDscape Landscape & Urbanism and cbec Eco Engineering.

WHAT DO YOU WANT FOR THE RIVER'S FUTURE PUBLIC REALM ?

SANTRY RIVER GREENWAY AND RESTORATION PROJECT

JOIN US AT YOUR LOCATION/S 1 TO 5 FOR A SITE VISIT



INSPIRATION FOR POSSIBLE IDEAS



Crossings and connections ?



Community schools and hospitals connecting with the River Park?



Developing a meandering river with soakage areas

Sport/ play areas in the River Park ?



SKETCH YOUR IDEAS AND GIVE US YOUR FEEDBACK

INSPIRATION FOR POSSIBLE IDEAS

Project Website

- Contribute and stay up to date
- www.santrysriver.ie
- santrysriverrestoration@dublincity.ie



A wide-angle photograph of a coastal landscape. In the foreground, a river flows from the bottom right towards the center. To the left of the river is a grassy marsh area. In the background, a line of houses is visible on the left, and a flat expanse of land or beach stretches to the horizon under a sky filled with large, white, fluffy clouds. The text "Thank you." is overlaid in the center in a blue, sans-serif font.

Thank you.

Santry River

Communities and Water

Church of St. John the Evangelist
Thursday 18th August 2022

- 
- 1. The Local Authority Waters Programme**
 - 2. Community Water Officers**
 - 3. Community Actions Around Water**

EU Water Framework Directive 2000

LAWPRO was established in 2016 because Ireland was not meeting it's requirements under the **EU Water Framework Directive (WFD) 2000**

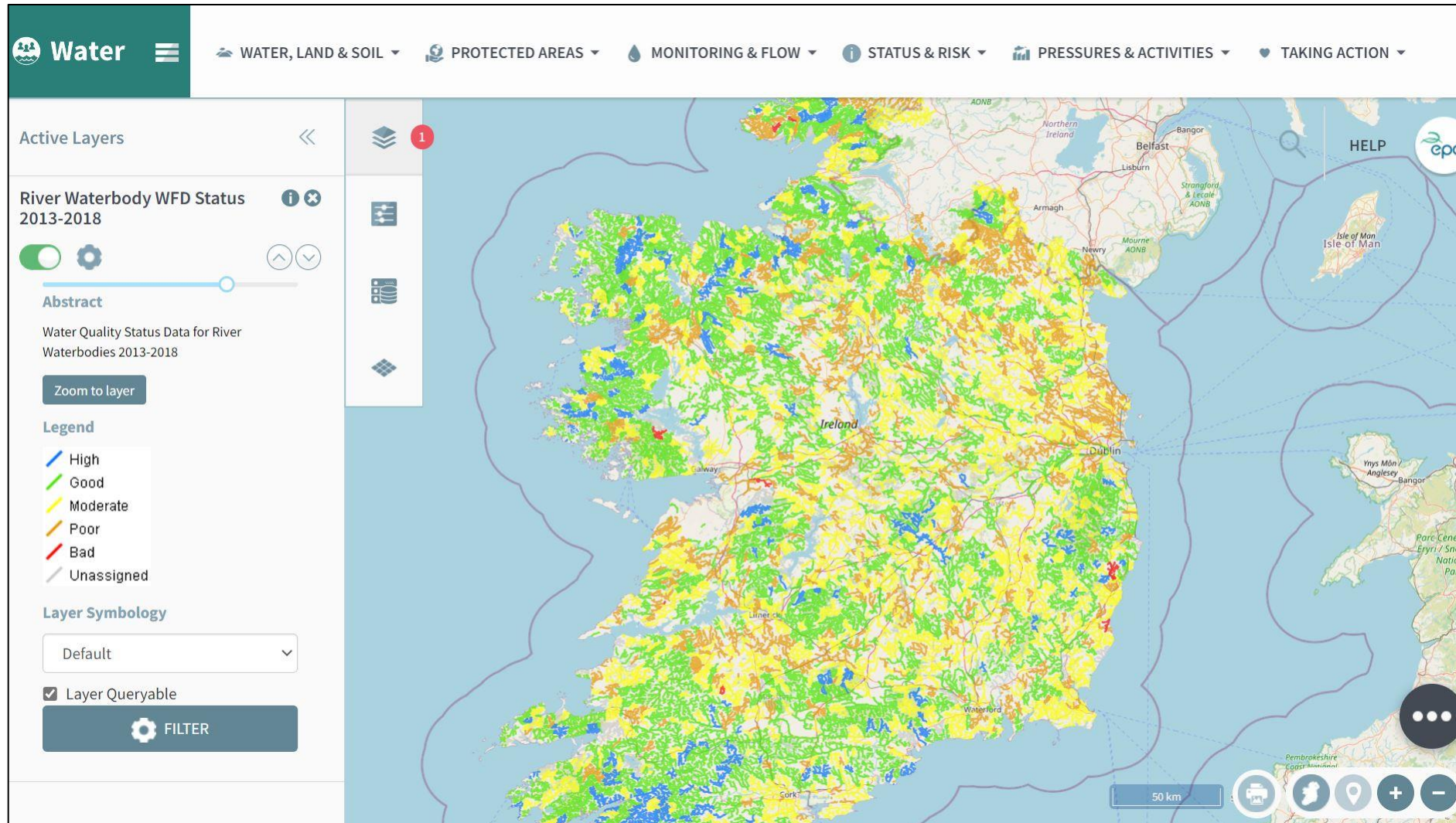
WFD is an EU Legal framework to **protect and restore** clean water across Europe by 2027

WFD has an objective to..."to achieve
Good ecological status (good water quality) in all water"..

Status
River Waterbodies



Waterbody Status: Catchments.ie



LAWPRO – Local Authority Waters Programme

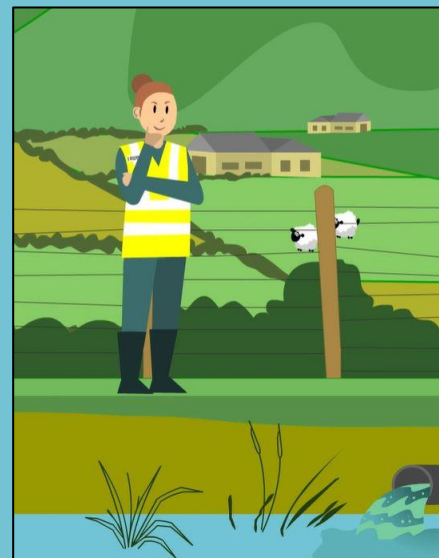
Communities Team

ROLE:
Community engagement



Catchments Team

ROLE:
Scientific assessments



LAWPRO Community Water Officers



Support community groups to engage with & protect their local water body

- Provide advice & information
- Liaise with agencies on groups' behalf
- Bring catchment groups together
- Collaborate on events
- Provide direct funding



“What can we as a group **actually do to improve water quality** in our river?”

Community Action & Projects



Community Action & Projects





ACTIVITIES:

Clean ups
Citizen Science
Reports
Training

Community Action & Projects

**FREE
Training**



Water Biodiversity Training



Fingal LEADER Partnership are kicking off a new training course this autumn, this exciting opportunity is all about getting to know rivers and streams and what your community can do to protect them.

- Ballyboughal
- Bohernabreena/ Firhouse
- Brittas
- Kiltiernan
- Lucan
- Lusk/ Donabate
- Portmarnock
- Rathcoole
- Shankhill
- Tallaght

- Begins the week of the 20th September
- Blended learning, online and on location
- 6 modules delivered online
- 2 field sessions on location
- All resources required will be provided
- No previous experience needed
- Open to all

You will have the opportunity to put together a Water Biodiversity Action Plan so that your community can apply for funding to put the ideas into action.

**Closing Date for
Registration 17th
September**



REGISTRATION

In order to register please go to www.dublinruralleader.ie
or email onboarding@veri.ie



The European
Agricultural Fund for
Rural Development:
Europe investing in
rural areas.



Riadas na hÉireann
Government of Ireland
Department of Rural and Community Development

The LEADER Programme 2014-2020 is financed by the Department
of Rural and Community Development under the Rural
Development Programme, Ireland LEADER 2014-2020 and by the
EU under the European Agricultural Fund for Rural
Development: Europe investing in rural areas.

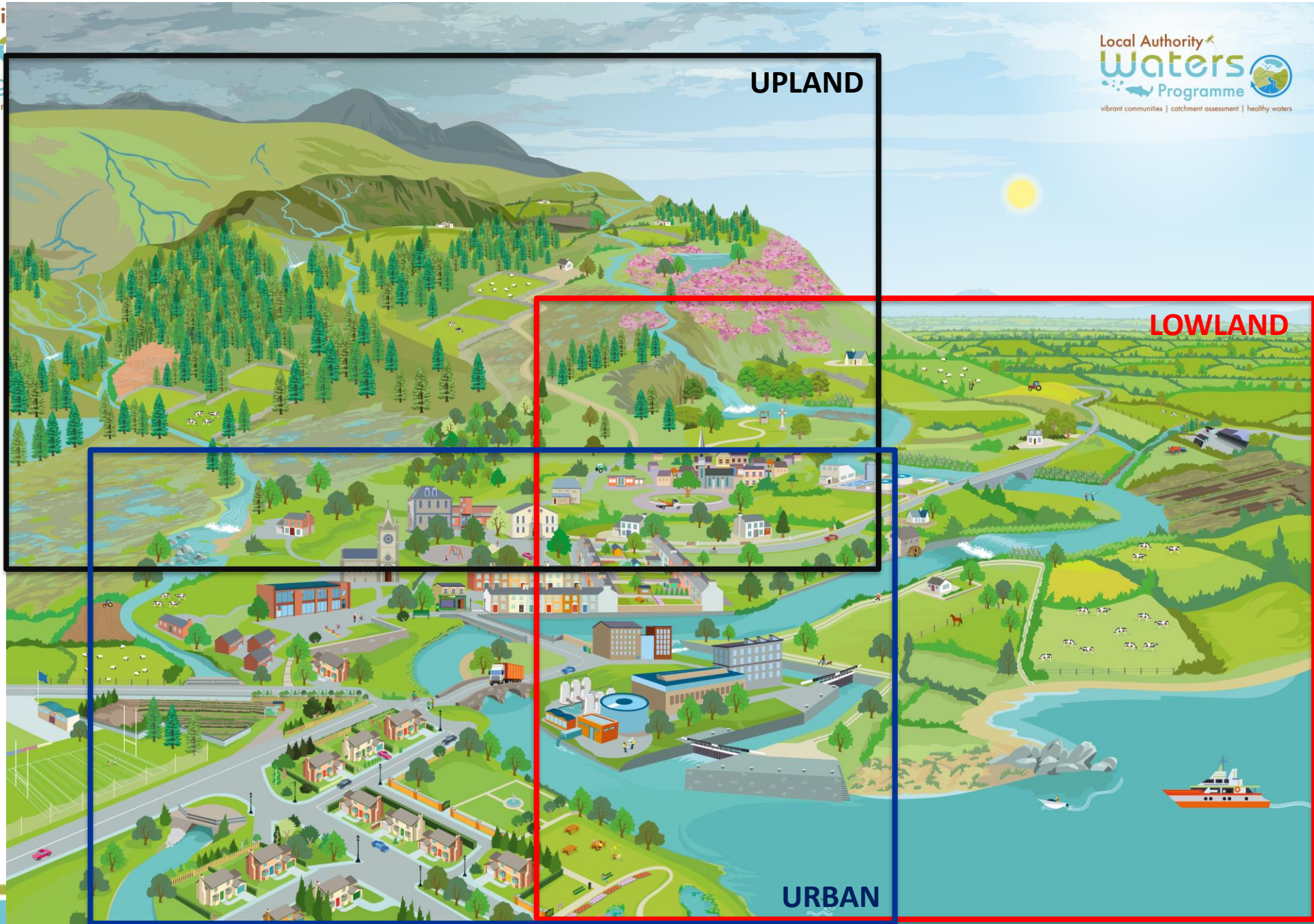




UPLAND

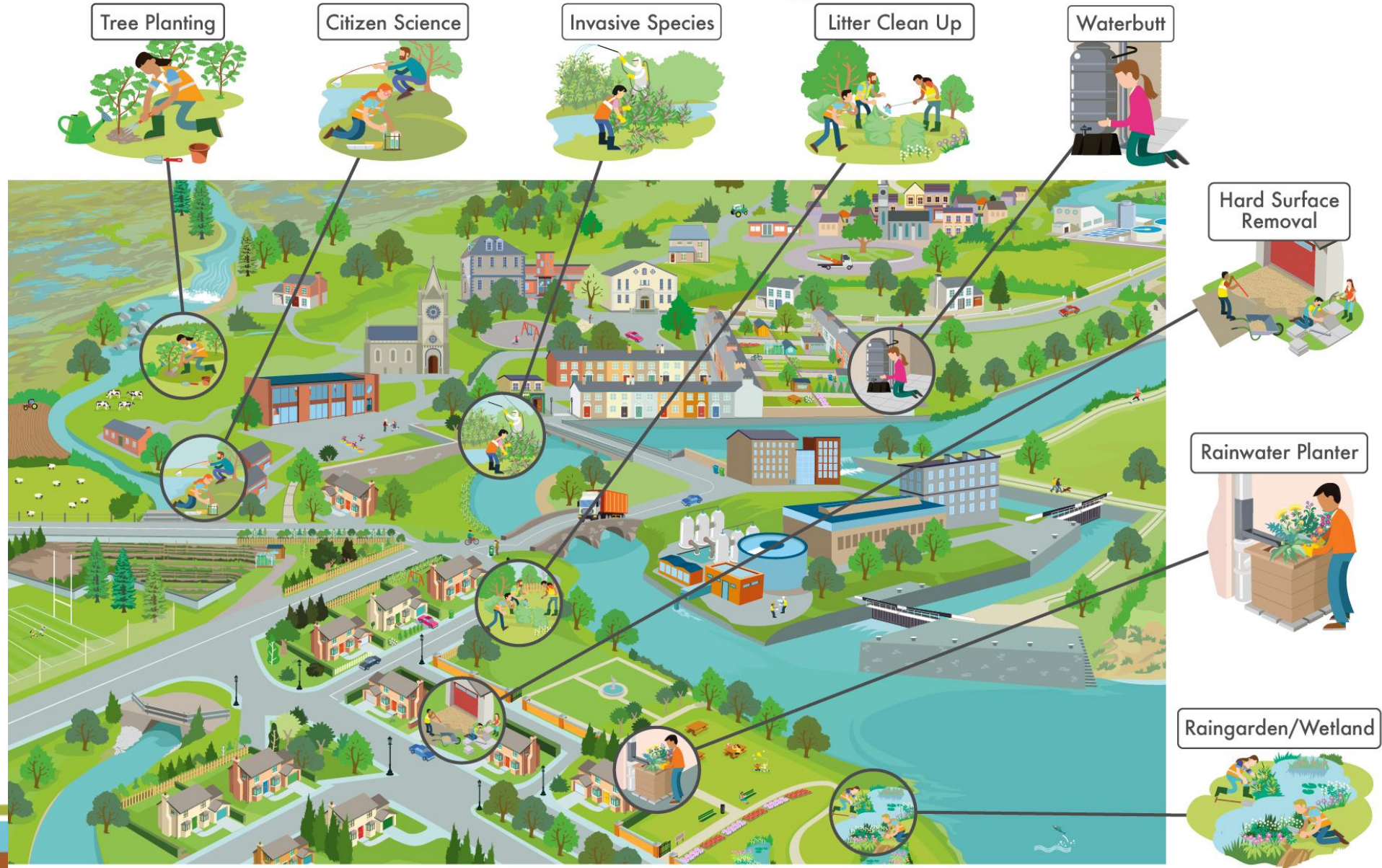
LOWLAND

URBAN



Communities Caring for Water

URBAN
Catchment



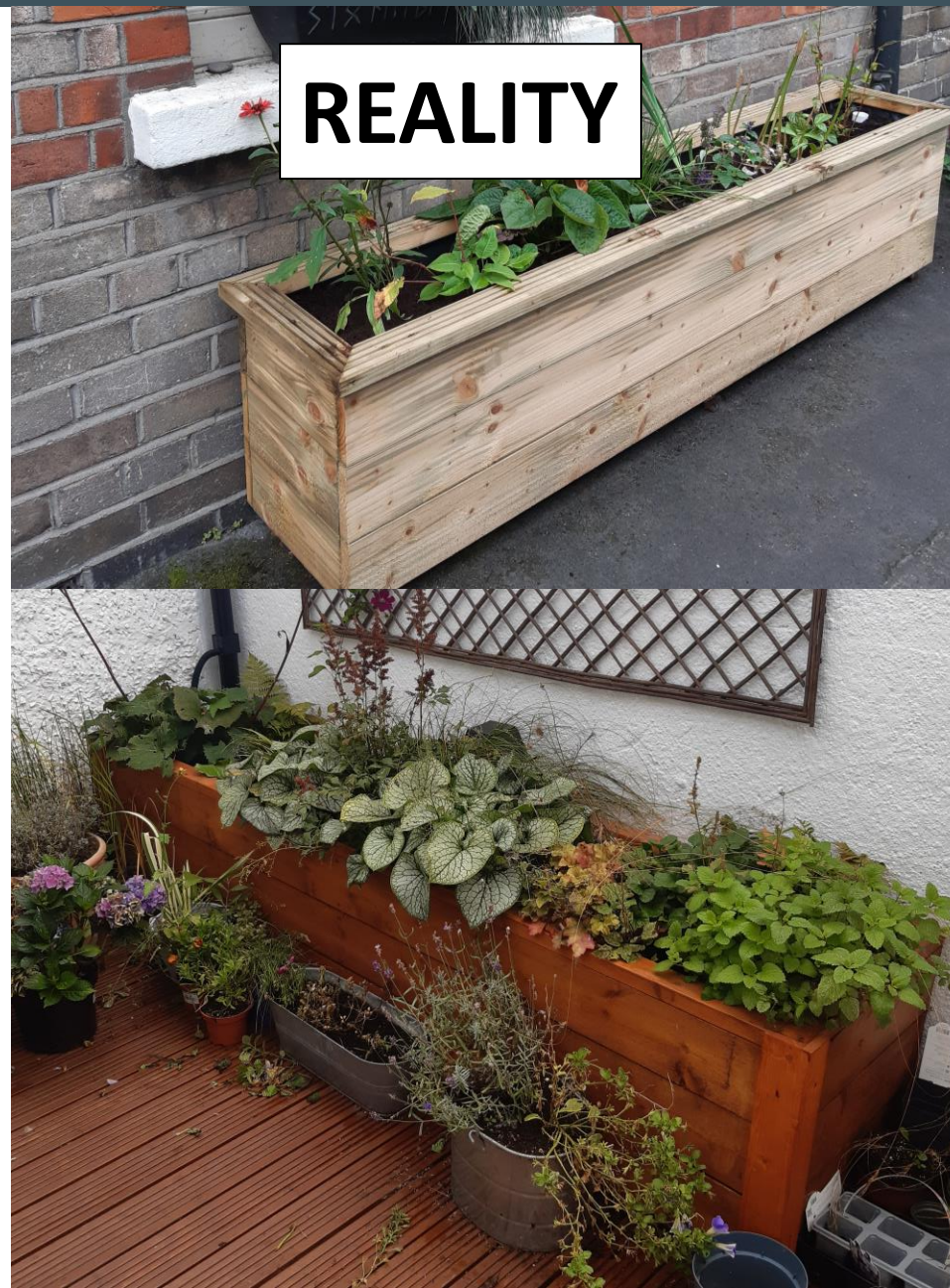


URBAN Action: Rainwater Planters

IDEA



REALITY



RURAL Action: Leaky Dams

IDEA



REALITY



RURAL Action: Fish Pass

IDEA



REALITY

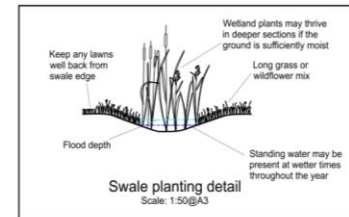
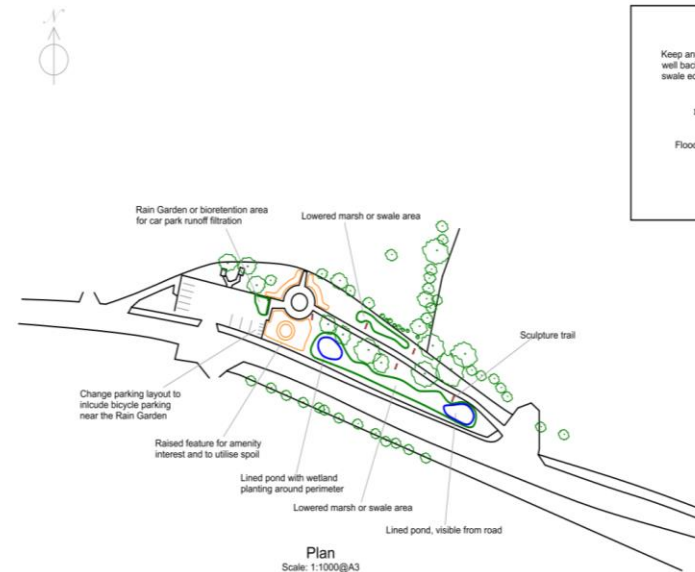


URBAN & RURAL Action: Raingarden/ wetland

IDEA



REALITY



FH Wetland Systems Ltd.
30 Woodburn, Lough Rd., Ennis, Co. Clare
www.fhwetlandsystems.ie
Tel: 051 4797265
e-mail: reeds@fhwetlandsystems.ie

Client:
Pat Foley, Geashill Tidy Towns, Geashill, Co. Offaly

Project:
Wetland & pond features for Geashill Picnic Area

Drawing:
Site layout plan of wetland features and inset of swale planting suggestion

RURAL Action: Spilling/ bank stabilisation

IDEA



REALITY



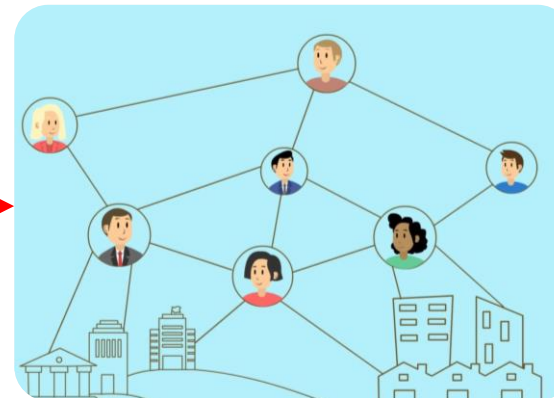
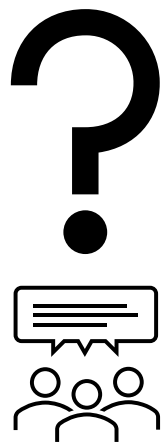
The Process



QUESTION

IDEA

PARTNERSHIP



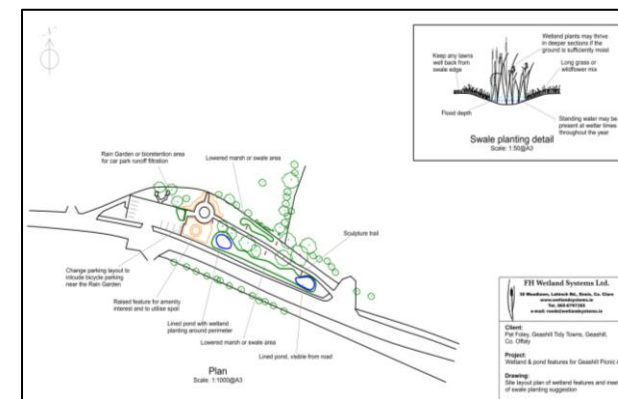
FUNDING

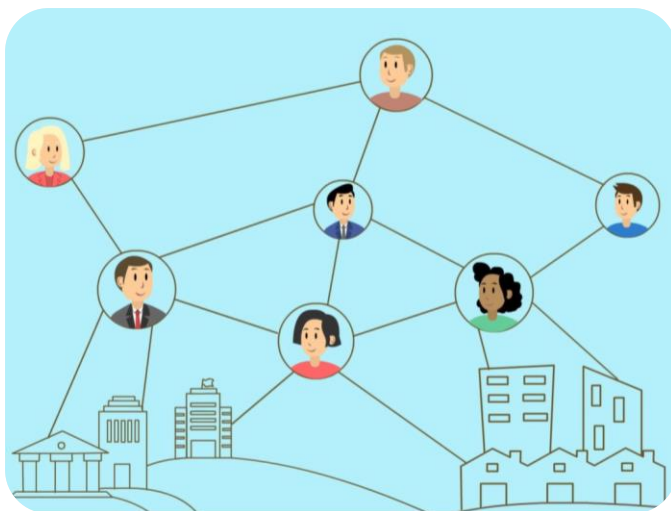
FEASIBILITY

IMPLEMENTATION

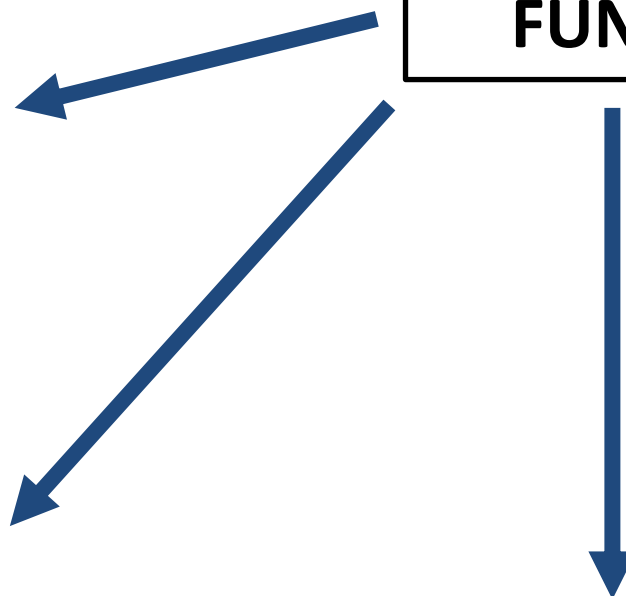


FUNDING





COMMUNITIES PARTNERSHIPS FUNDING



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council







Dublin City's Water Heritage

Webinar Series 14th – 21st Aug 2022

A newly recorded talk released each day during Heritage Week

14th Aug

What is Water Heritage?

Panel discussion: Dublin city community groups.

15th Aug

Dublin's Waterways and Industrial Heritage

– Rob Goodbody

16th Aug

The Lifeblood of Medieval Dublin:
The Liffey and its tributaries.

– Prof. Howard Clarke

17th Aug

Working on the Waterfront – The Story of a Dublin Docker

– Dr. Aileen O'Carroll

18th Aug

The Archaeology of Dublin's Rivers

– Antoine Giacometti

19th Aug

The Heritage of a Port City:
Transport, Trade & Travel

– Lar Joye

20th Aug

Between the Liffey and the Camac:
How water shaped the extraordinary heritage of the suburb of Kilmainham.

– Barry Keogh

21st Aug

Water as a Natural Heritage:
Discussing the city's aquatic flora & fauna.

– Prof. Ken Whelan, Pádraic Fogarty,
& Assoc. Prof. Mary Kelly-Quinn

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