



Mogden Sewage Treatment Works

Residents Liaison Meeting

28 July 2022



Agenda:

- Welcome and introductions
- Review of previous minutes and actions
- Gas to Grid Project
- Operations Update
- Complaint's update
- Mosquito update
- Biodiversity update
- AOB





Mogden Update

28th July 2022

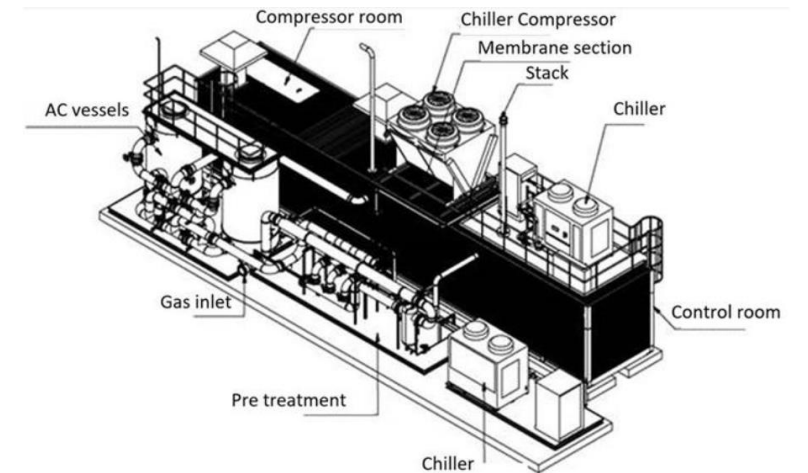


Gas to Grid Project Overview

28th July 2022

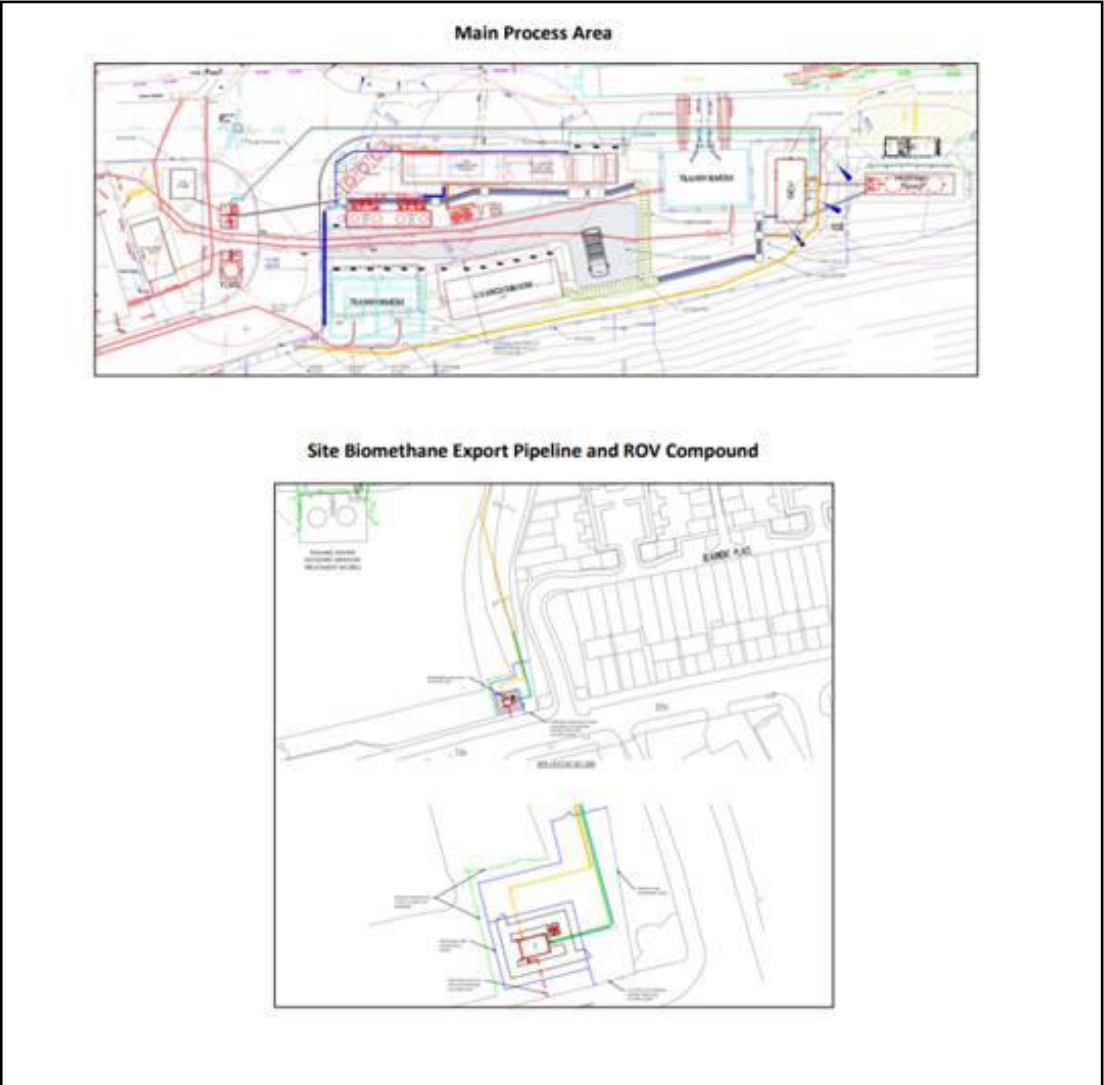
Project Background & Objectives

- TWUL has been producing its own renewable power since the 1930s.
- In June 2021 the TWUL Board approved a programme of work at Mogden that included the provision of a gas to grid (G2G) solution for the site. This is the 2nd such plant in a series to be rolled out across the TWUL sites.
- SGN was appointed in January 2022 as TWUL's design and build contractor for the G2G plant.
- The project objective is to convert excess biogas originating from the site into biomethane that can be used to provide the gas needs for 3,500 houses in the local area.
 - Create 900m³/hr of biomethane that will replace the use of natural gas
 - Reduce carbon emissions by over 8,000 tons/year helping TW achieve its **Net Zero carbon target by 2030**
 - Improvements to air quality – reduced need to burn excess biogas



Scope of Work

On Site Work

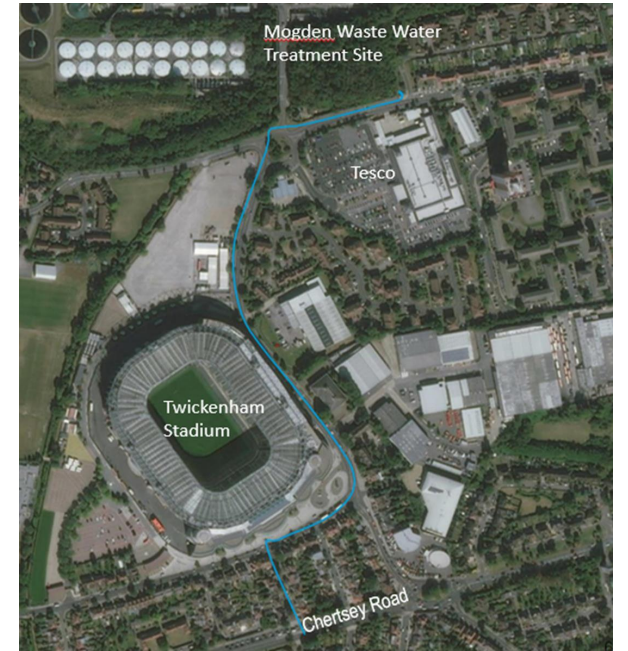


Off Site Work (Export Pipeline)



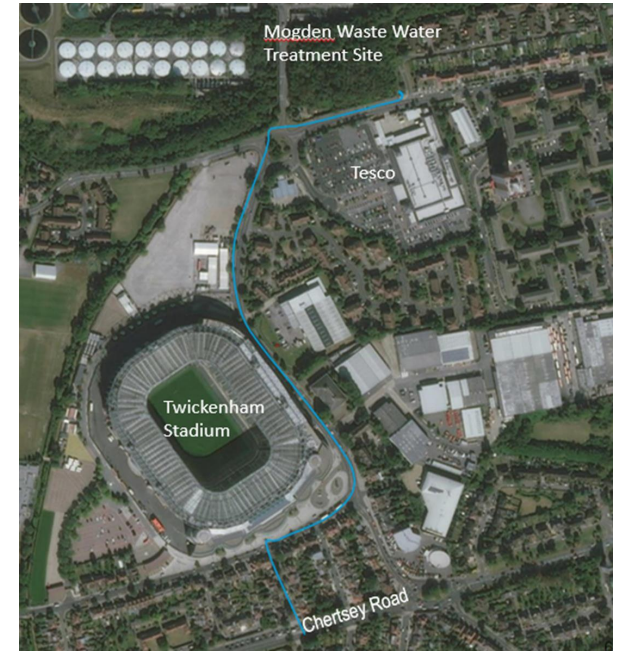
Project Programme

- **On Site Works:**
 - Designs – complete by September 2022
 - Construction – October 2022 through to May 2023
 - Testing & Commissioning – May to early July 2023
- **Export Pipeline**
 - No work during RFU international rugby windows (November 2022 & February/March 2023)
 - Programme and traffic management agreed with Richmond & Hounslow Highway Authorities
 - Whitton Road (from Chudleigh Road intersection) and Rugby Road – 15 August to 4 November 2022
 - Mogden Lane roundabout constructed in January 2023
 - Mogden Lane – Mid April 2023 for 4 weeks
 - Chudleigh Road – timing to be agreed with the Richmond HA
 - Chertsey Road crossing – timing to be agreed with TfL



To get/stay in touch

- 0800 009 3984
- mogden@thameswater.co.uk
- www.thameswater.co.uk/mogdengastogrid





Operations Update

28th July 2022



Operations Update July 2022

Key updates:

- Dry weather in the last quarter has meant there have been no discharges to the Storm Tanks since March 2022
- Final effluent quality has been good and the site is performing well within the discharge consent
- Low flow in the River Thames means that Mogden is currently supplying around 36% of the flow in the River Thames beyond the Isleworth Ait
- A breakdown on one of our Combined Heat and Power engines in June led to reduced renewable energy generation in the last month, but on average we are self-generating 60% of the power used on site
- A change in Thames Water's management structure means that Mogden and its catchment of sewers and Sewage Pumping Stations will be managed as one operational area, rather than as part of the South London Wastewater Treatment Area. This change will bring us closer to our customers and provide a better service overall





Key Project Updates

Completed work:

- Cleaning of Primary Settlement Tanks 24 & 25 on E-Battery
- Repairs to fans on West Inlet OCU
- Final Settlement tank refurbishments on North FSTs
- Digester 5 back into service and Digester 16 taken out of service for refurbishment
- E-Battery acid cleaning of diffuser domes
- Storm tank hopper cleaning

On going:

- Digester radar level sensor replacement
- Grit removal system refurbishments
- FST refurbishments site wide





Funded Projects in Planning Phase:

- Digester anti-foam upgrade and enhancement
- C-Battery circular PSTs – refurbishment of scum removal system and replacement of sludge pumps
- Main pumping station refurbishment
- Repairs to failed FST inlet valves on A&B Battery
- Sludge holding tank repairs
- Odour Control Unit 11 refurbishment

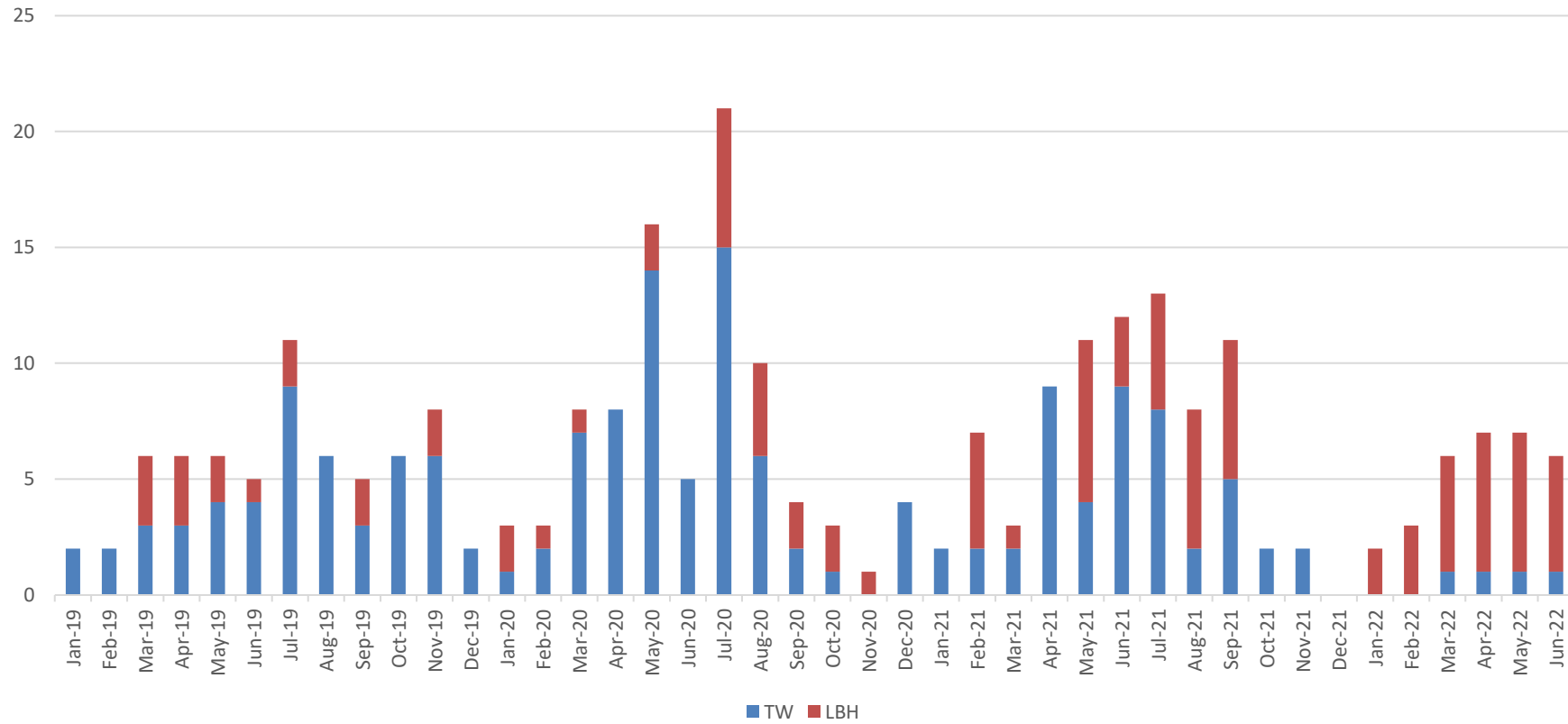




Customer Communication & Engagement



Odour Complaints January 2019 – June 2022



Mogden Notification



What's happening?

Yesterday (28/06/2022) we experienced a burst pipe on site. We are currently working on isolating the pipe and in the meantime we are washing the area down to minimise any odour.

How will this affect me?

During this activity residents may experience elevated odour.

What are we doing?

We're sorry for the inconvenience this may cause and assure you that every effort is being made to carry out the work in the shortest possible time frame.

Areas affected

Please see the map below, the red circle highlights the area that is undergoing maintenance.



Kind regards,
Mogden STW

Mogden Notification



What's happening?

Yesterday 18 July 2022 we discovered a water leak behind one of our tanks that needs investigating. In order for this work to be carried out safely we need to cut and isolate the pipe work of the OCU to our final affluent pumping station.

How will this affect me?

Although we do not expect any odour from this operation, we are placing a notification as a precautionary measure.

What are we doing?

We're sorry for the inconvenience this may cause and assure you that every effort is being made to carry out the work in the shortest possible time frame.

Areas affected

Please see the map below, the red circle highlights the area that is undergoing maintenance.



Kind regards,
Mogden STW

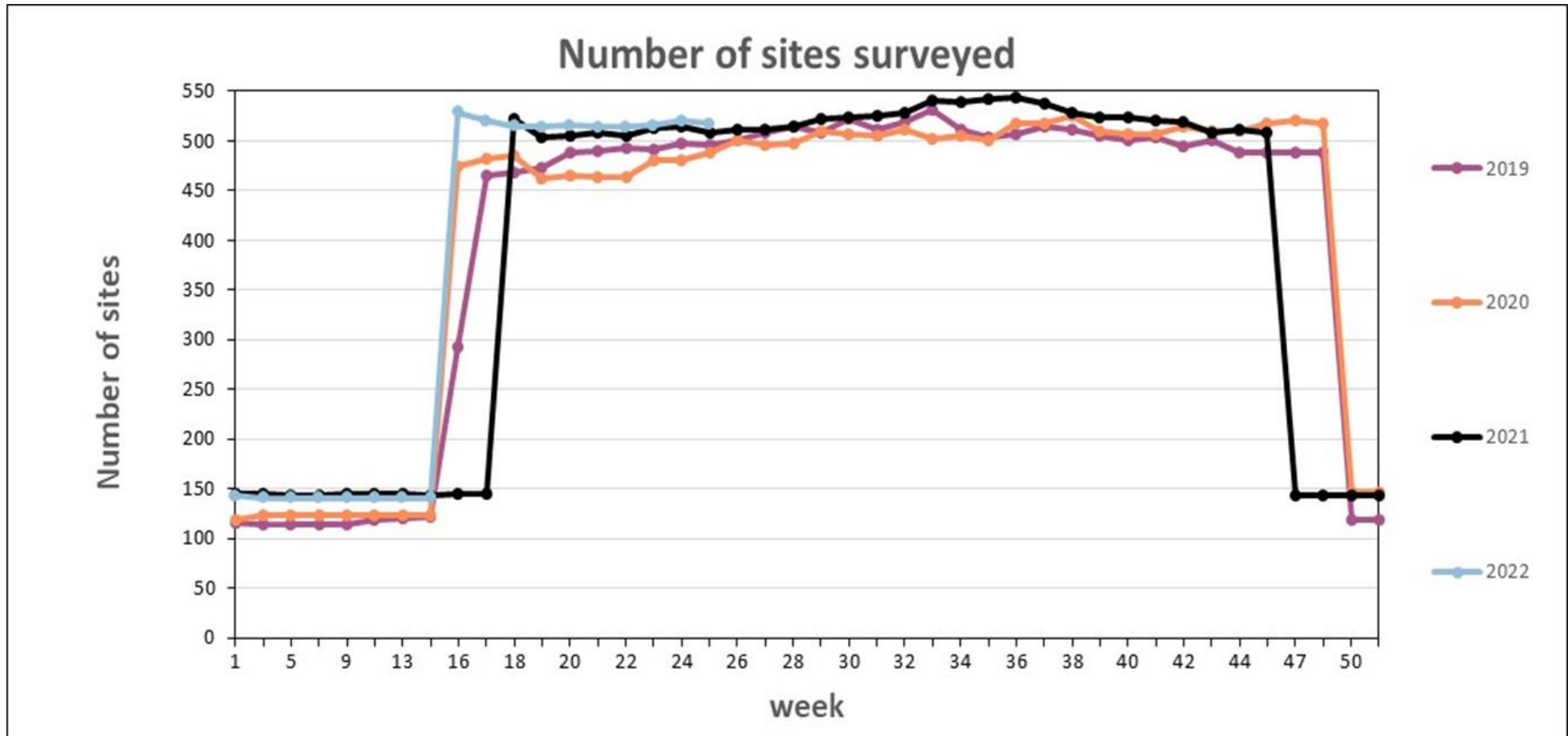
Mosquito Update

Schultmay Ltd



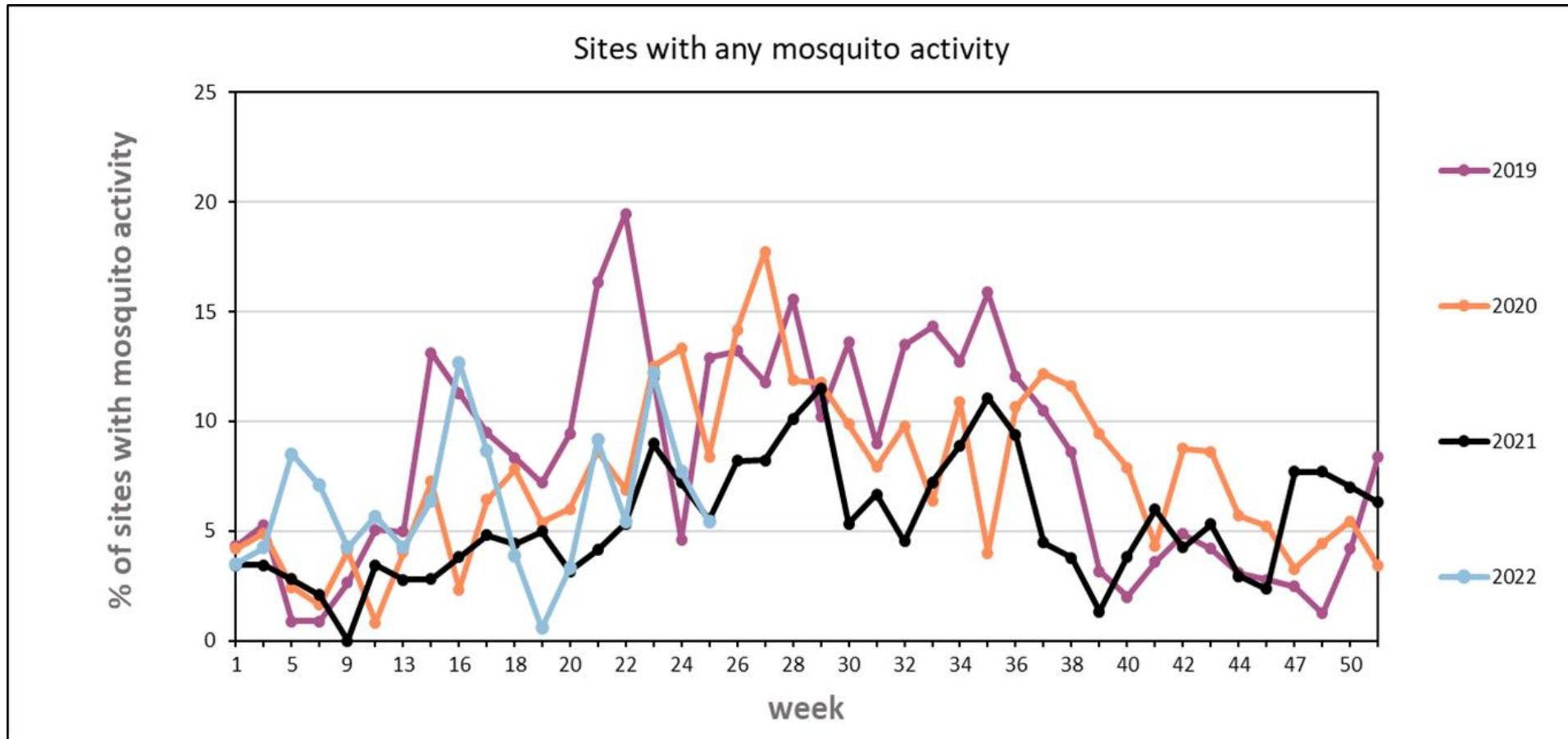


January 2019 – June 2022



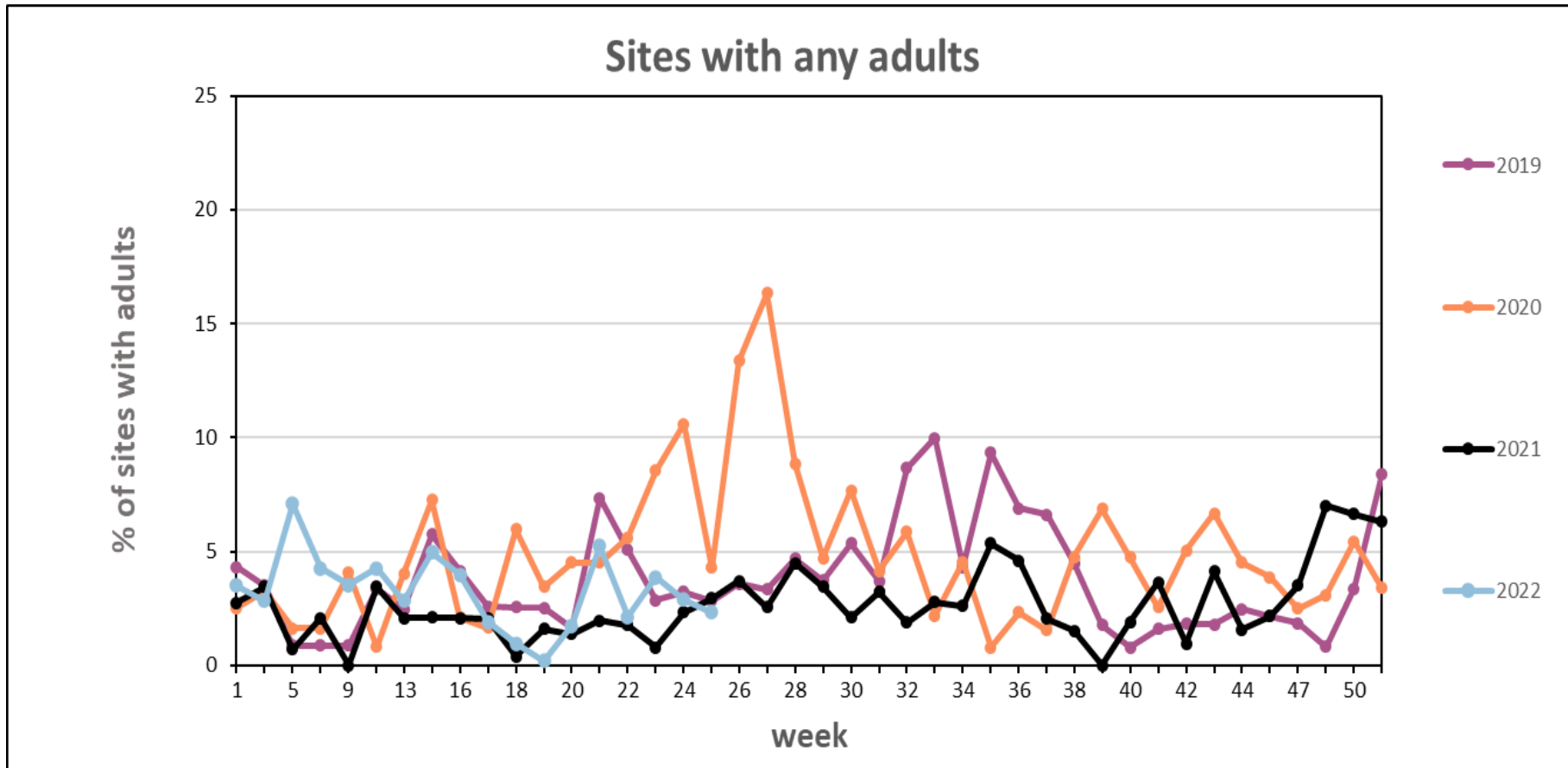


January 2019 – June 2022



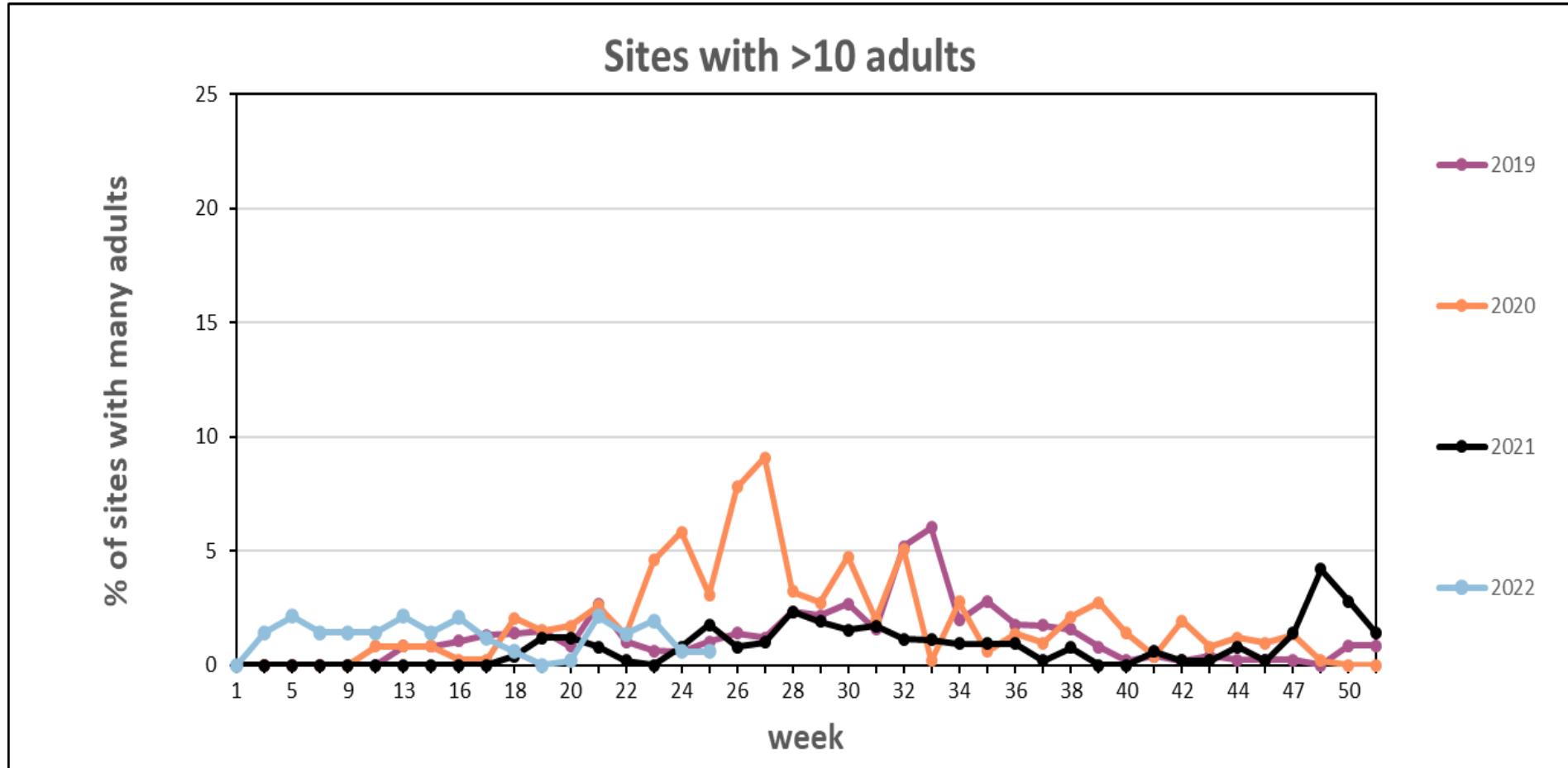


January 2019 – June 2022



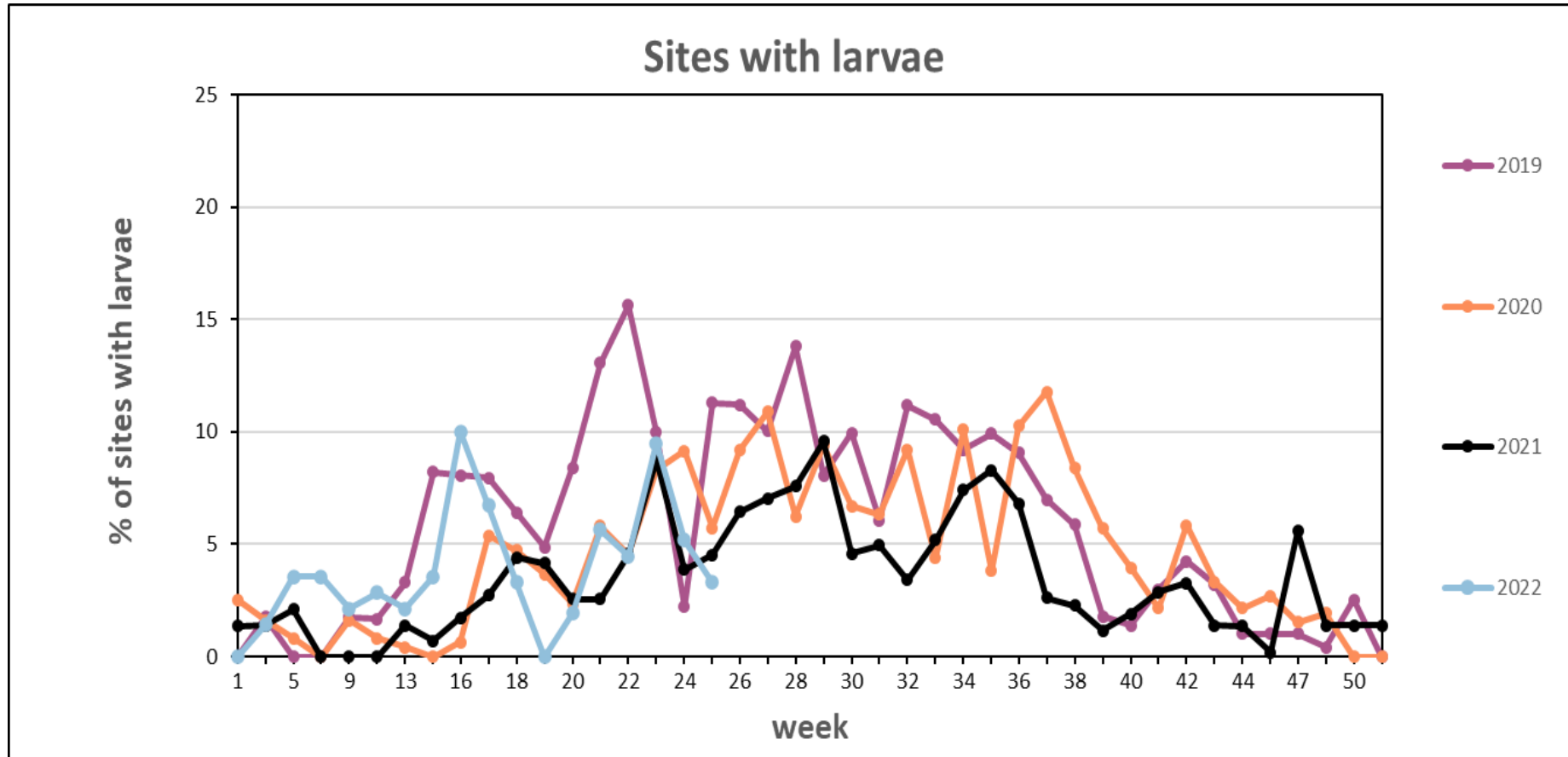


January 2019 – June 2022





January 2019 – June 2022

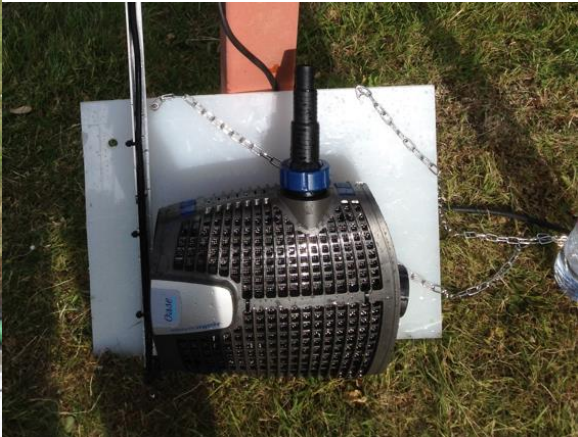




Biodiversity Update

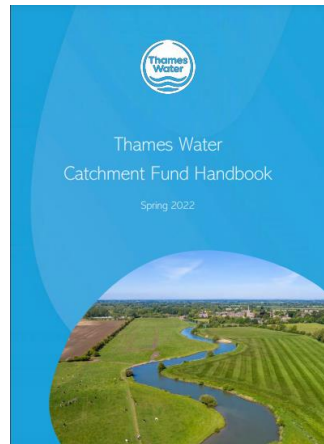
Eel Pass

- Communications with FishTek, ZSL
- No ongoing survey effort from ZSL
- Eels able to use fish pass to migrate
- Outstanding material delivery

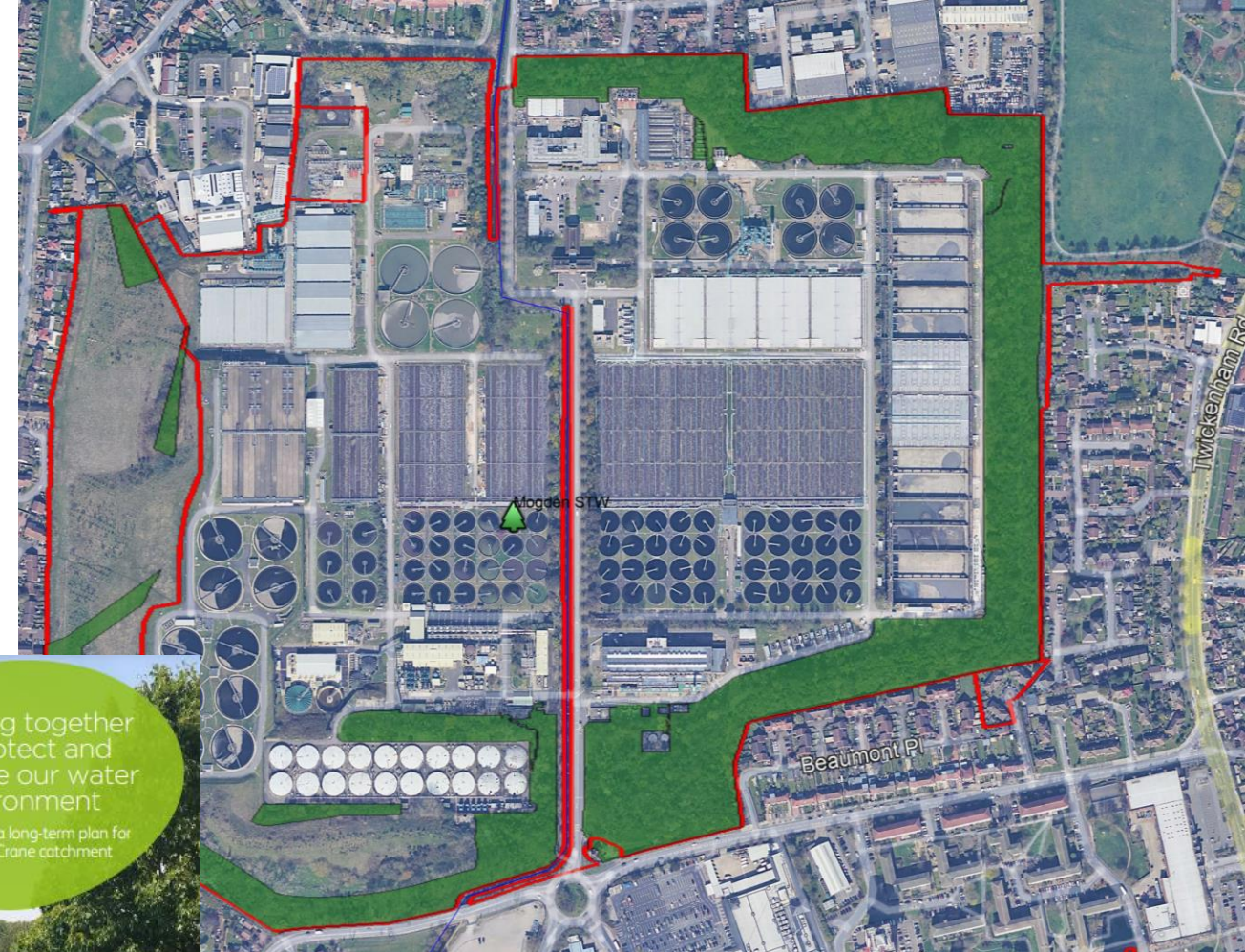


Biodiversity Visit

- Operational site tour
- Biodiversity Team visit
- Habitat Management plan review
- Project exploration
 - Smarter Water Catchment
 - On-site



Smarter Water
Catchment Plan
March 2021



<https://www.thameswater.co.uk/about-us/responsibility/smarter-water-catchments>

AOB



Thank you