

# **Mogden Sewage Treatment Works**

## **Residents Liaison Meeting**

**07 February 2019**



# Agenda

- **Welcome and introductions**
- **Review of previous minutes and actions**
- **Operations update:**
  - New sludge thickening building
  - Security fence
  - Mogden update
- **Customer communication & engagement:**
  - Complaints update
  - Mosquito update
- **Biodiversity Update**
- **Any other business**

# Operations Update





eight<sub>2</sub>O

## Mogden Sewage Works

---

# Current investment work: New sludge thickening building

- **Current phase**
  - Steel Portal Frame SR3 cladded building construction completed Nov18
  - MEICA progressing well due to complete March19
  - Gravity Belt thickeners in service Apr19
- **Milestones**
  - Construction Completion : 13 Aug 2019
  - Beneficial Use (BENF) : 5 Sept 2019
  - Take – Over : 24 October 2019



# Surplus Activated Sludge (SAS) Thickening Building

Photo 5<sup>th</sup> Feb 2019



# eight20 Update

- H116 Project Update ~ SAS Building Eastern Elevation



Taken 22 Jan 2019

# eight20 Update

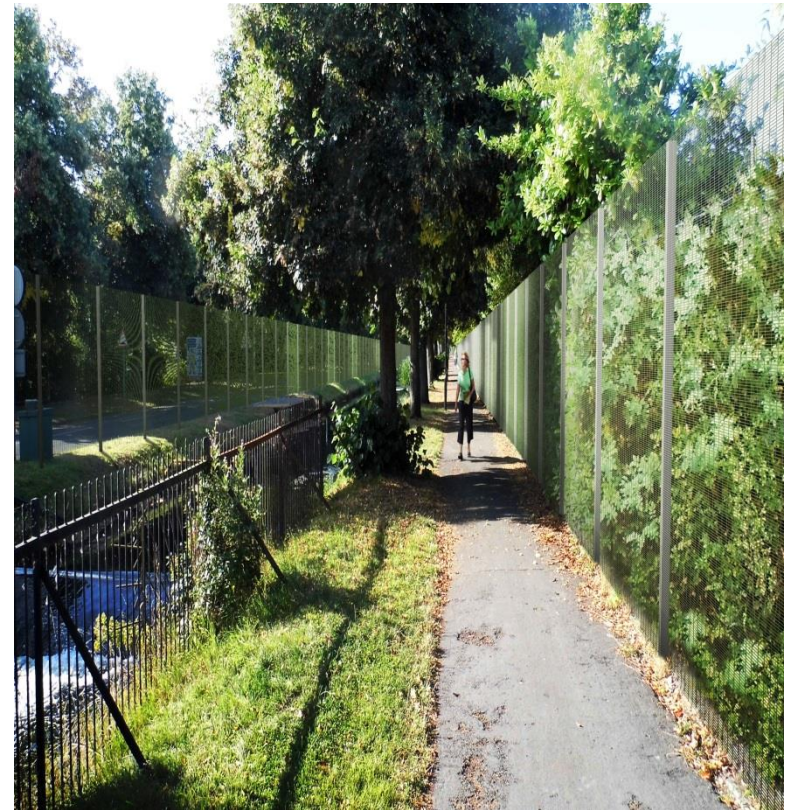
- H116 Project Update ~ SAS Building Alfa Laval Gravity Belt Thickeners



Taken 22 Jan 2019

# Current investment work: New Security Fence

- Footpath fence complete.
- Remaining work are the fencing within the site.
- Resurfacing work will be carried out by the council.

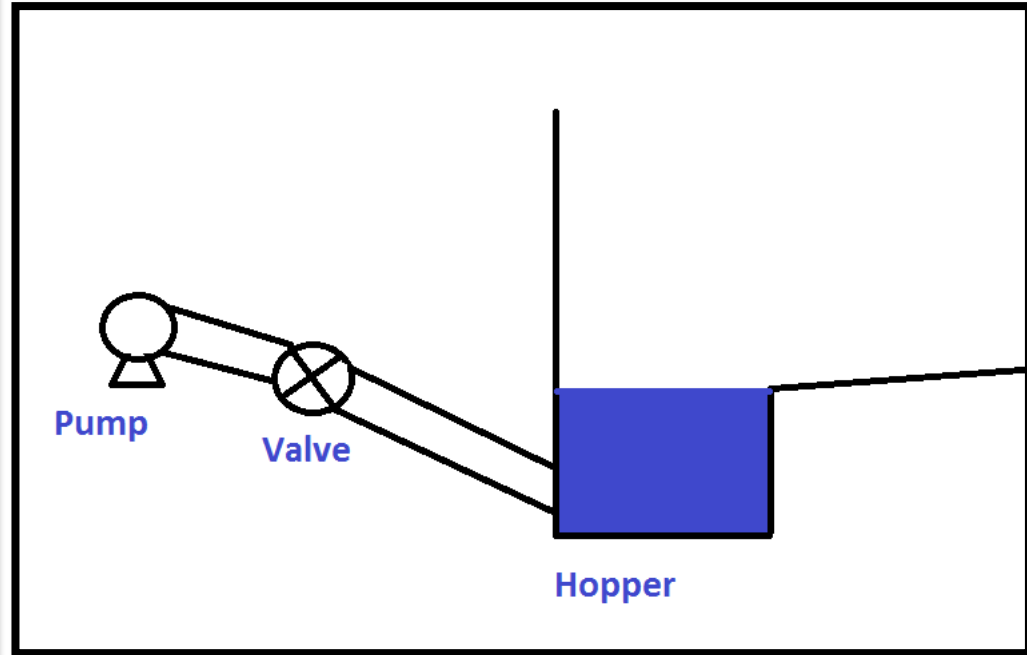




# Mogden update: Storm Tank Hopper Improvements



Storm Tank



# Mogden update: Storm Tank Hopper Improvements



**Before**



**After**



# Mogden update: Refurbish and enhancement of Odour Control Units.

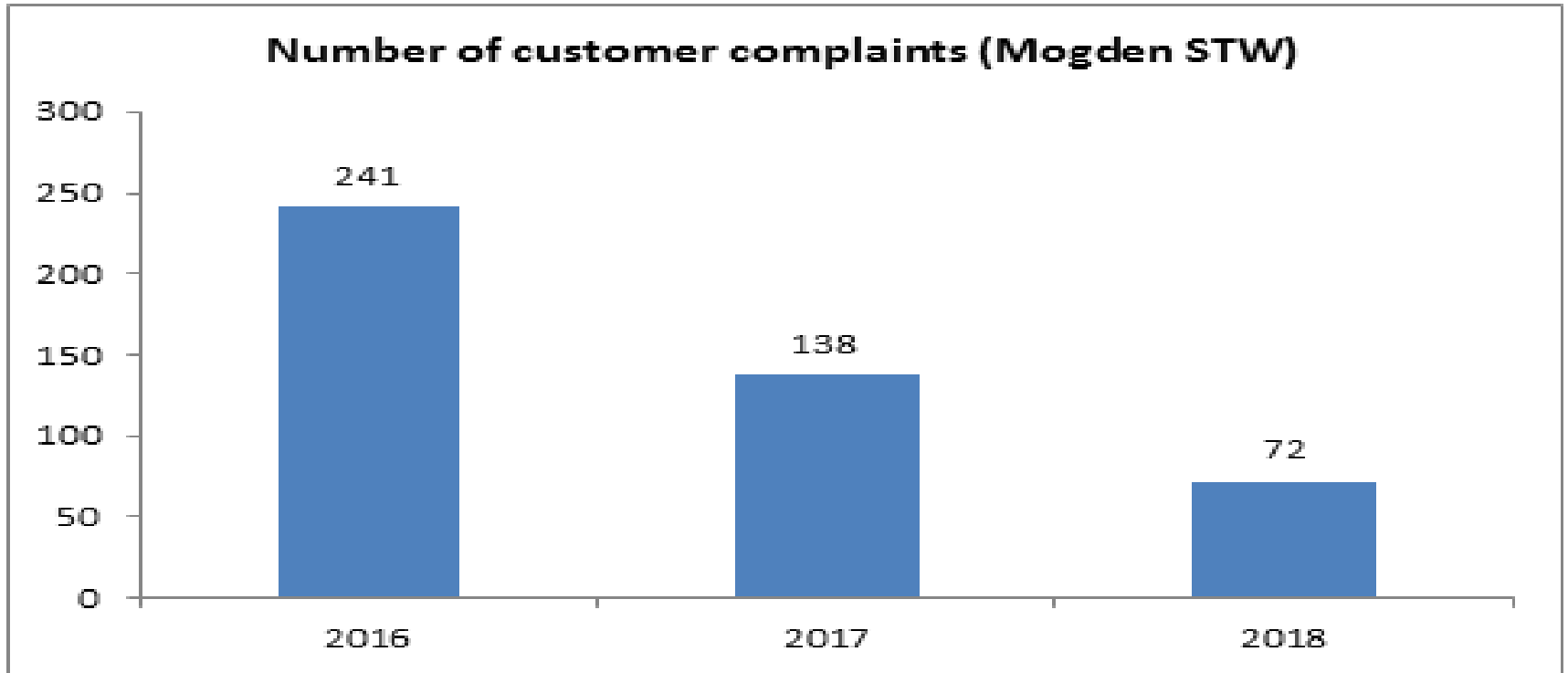


# Customer communication & engagement



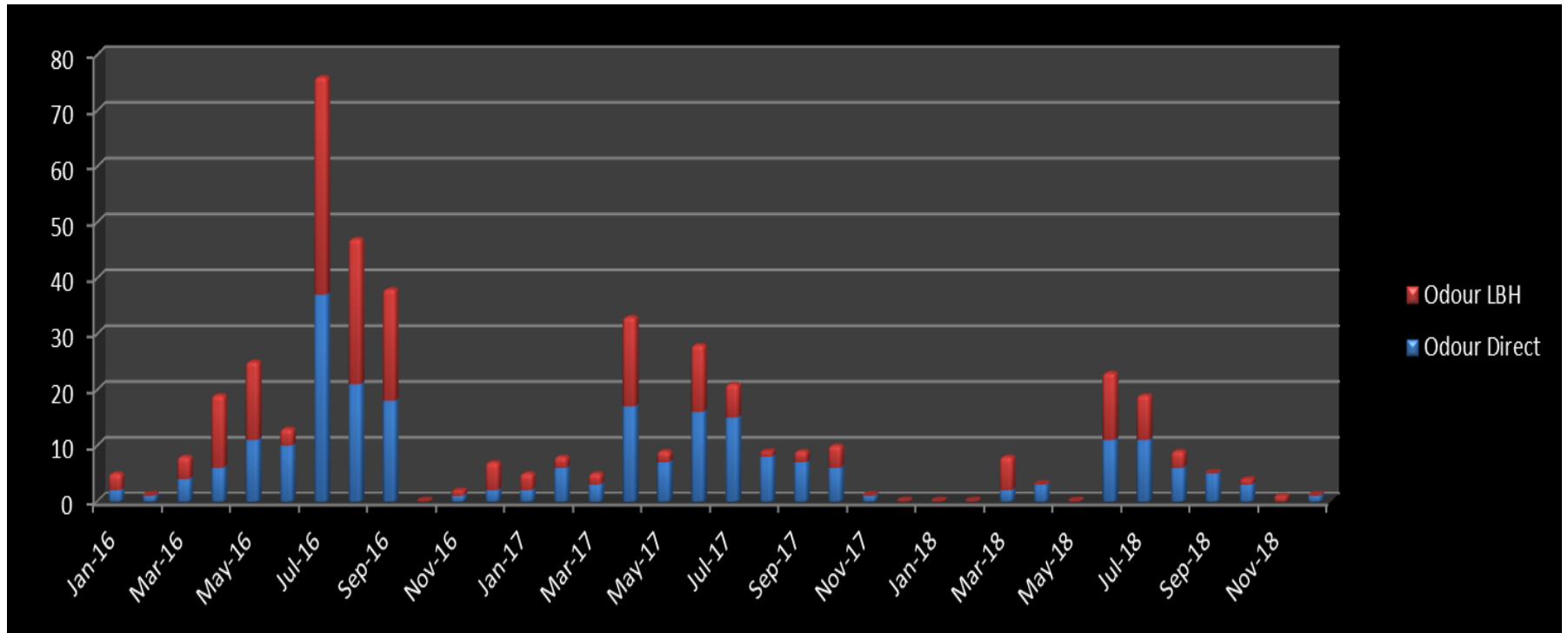
# Mogden Sewage Works- Odour complaints update

---

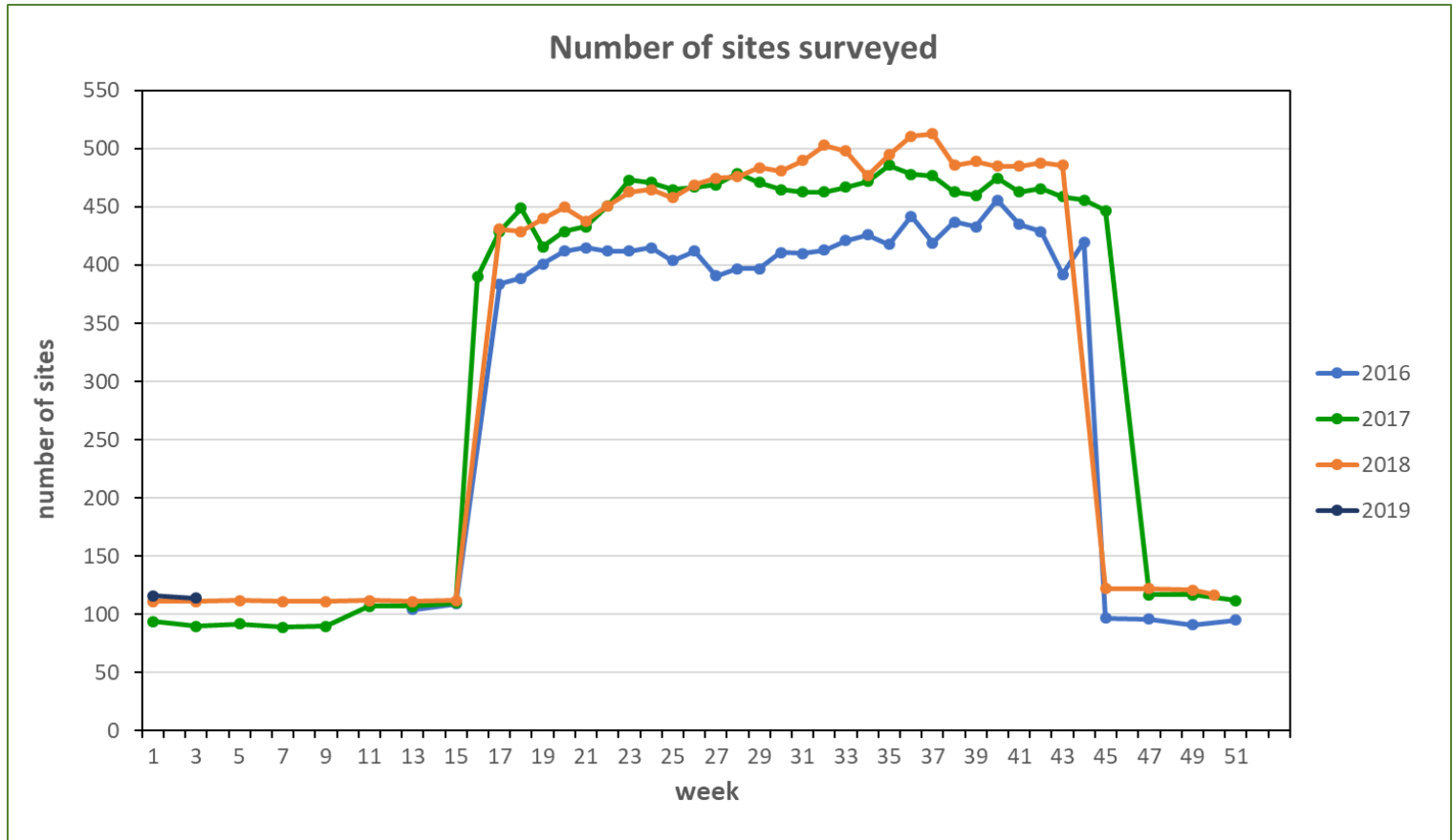


# Mogden Sewage Works- Odour complaints update

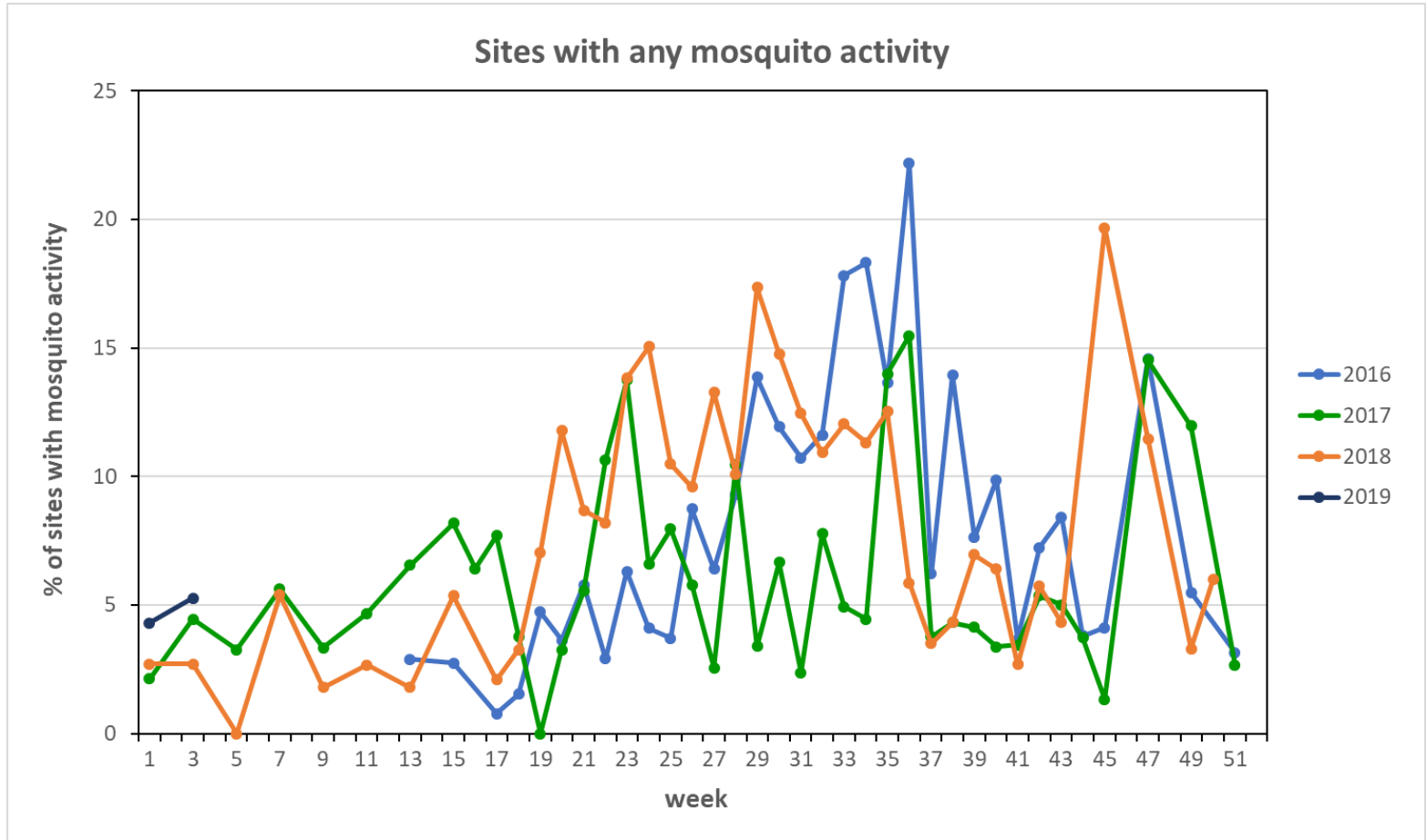
## Number of complaints 2016 to 2018



# Mogden Sewage Works – Mosquito update



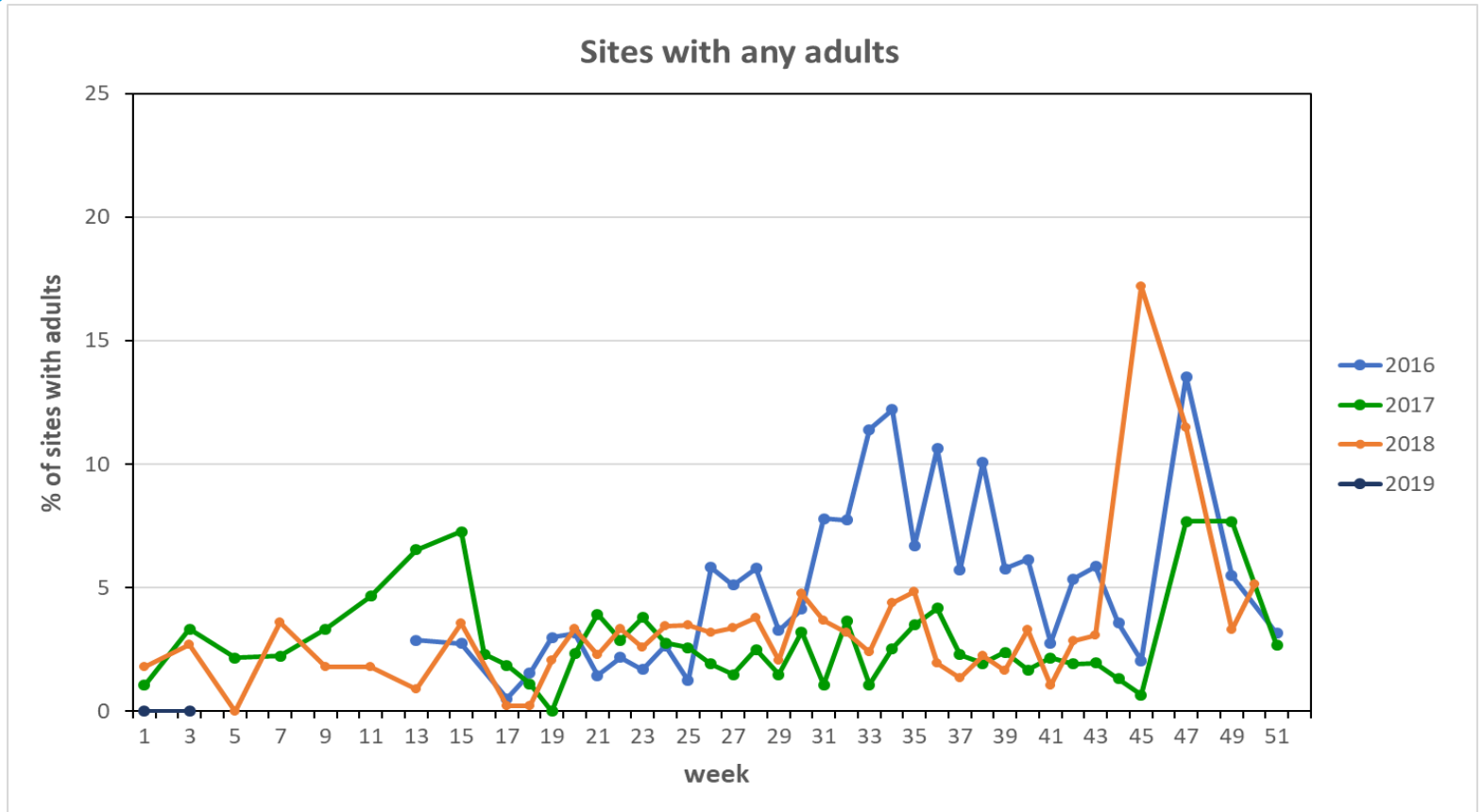
# Mogden Sewage Works – Mosquito update



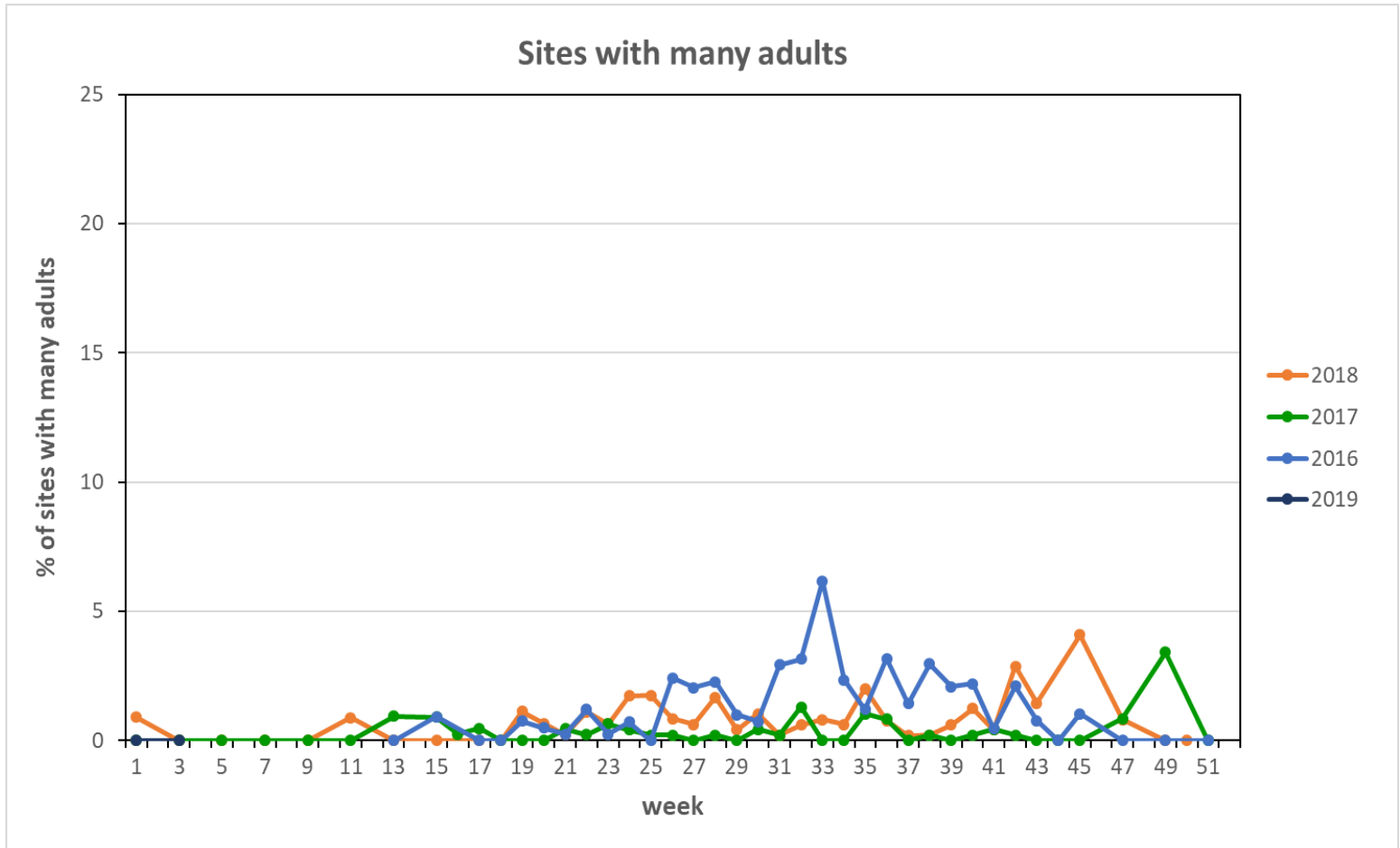


# Mogden

## Mogden Sewage Works – Mosquito update

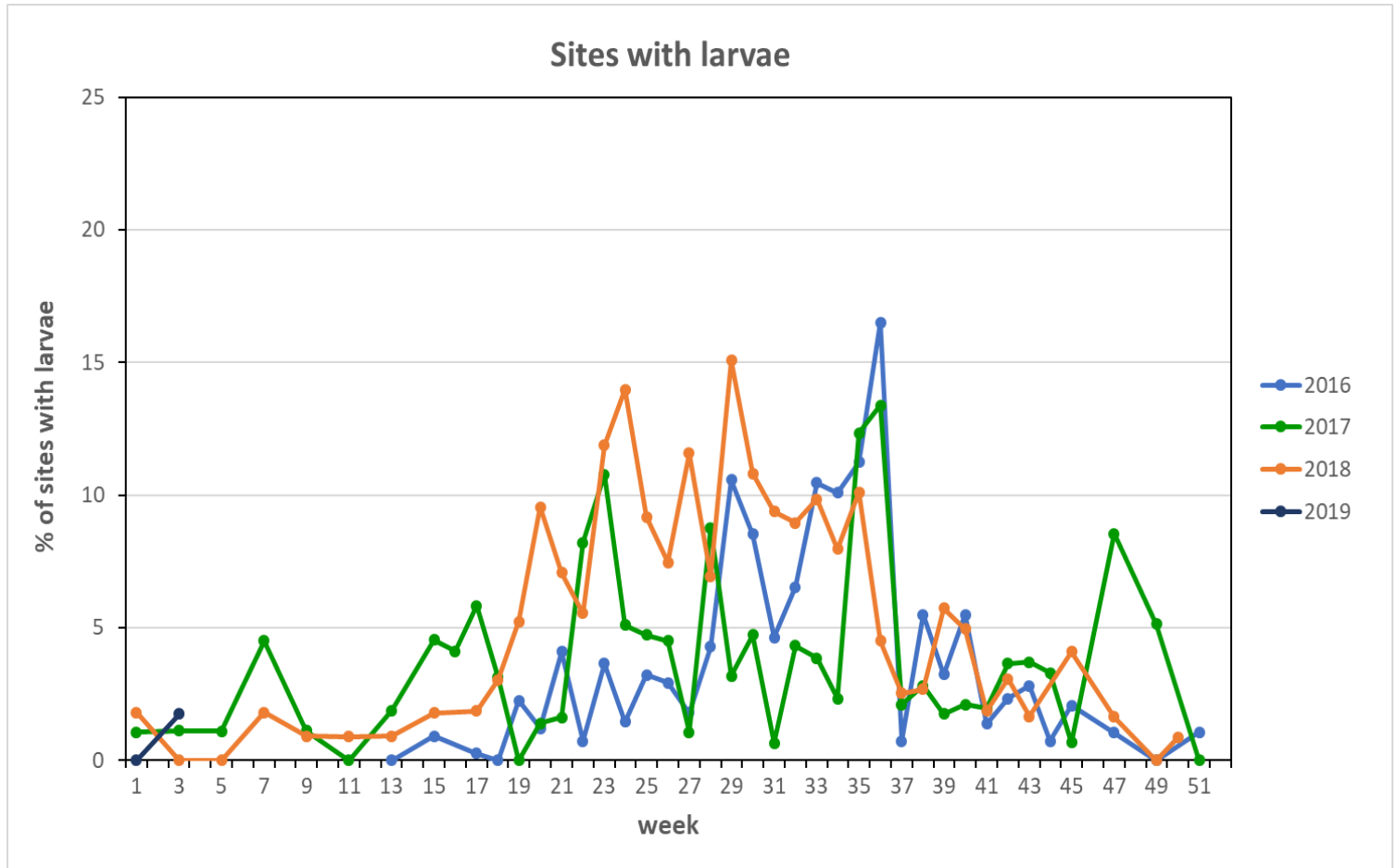


# Mogden Sewage Works – Mosquito update



# Mogden

## Mogden Sewage Works – Mosquito update





# Mogden Sewage Works Biodiversity Update

05/02/2019

Jane Clarke

Kempton Nature Reserve Manager

# Mogden STW Biodiversity 2018



# Mogden STW Wildlife General Survey 2018

	Species	Date Jan	Date Feb	Date March	Date April	Date May	Date June	Date July	Date Aug	Date Sept	Date Oct	Date Nov	Date Dec
Coot	Bird												1
Cormorant	Bird							1					
Grey Heron	Bird					1							
Grey Wagtail	Bird										1		
Jay	Bird												1
Kingfisher	Bird							1			1		
Little Grebe	Bird				1								
Long Tailed Tits	Bird												4
Mallard Duck	Bird								1				2
Mandarin Ducks	Bird				2								
Moorhen	Bird												5
Ring-necked Parakeet	Bird												2
Robin	Bird												1
Wren	Bird												1
Large White	Butterfly							3	1				
Small White	Butterfly							1					
Small Skipper	Butterfly								2				
Banded Demoiselle damselfly	Dragonfly							4	2				
Blue-tailed damselfly	Dragonfly								1				
Common Blue damselfly	Dragonfly								4				
Emperor dragonfly	Dragonfly							1					
Large Red damselfly	Dragonfly								1				
Pike	Fish										1		
White-tailed bumblebee	Bee								1				
Cowslip	Plant							1					
Oxeye Daisy	Plant							1	1				
Primrose	Plant				1								



# Zoological Society of London (ZSL) Thames European Eel Project report 2018 – Joe Pecorelli

- Catch and release of Juvenile eels (Elvers) over 120mm in length
- Critically endangered species
- Full report [here](#)
- 11 Thames tributary sites surveyed in London in 2018
- Large annual fluctuations and differences observed between sites.
- Mogden STW – DNR – 150 eels (7<sup>th</sup> highest in sites this year)
- Thames Teddington Lock – 76 eels Hogsmill – 20 eels
- Some individual traps performed better than others
- Further research on yellow and silver eels to define trends

	Distance from tidal limit - km	2015	2016	2017	2018
Crane - Mogden STW	2.2	565	946	588	150

- Barriers to migration such as weirs- major threat to eel migration



# Biodiversity & Access Projects: 2018-2019

Annual biodiversity target plans agreed with Mogden STW Site Manager

Eels/DNR - Partner project  
Zoological Society of London (ZSL)



- Surveys paused as have collected 5 years of data, may survey in future
- Capital enhancements funding to make eel pass permanent and add low cost fish baffles engineering which aid crossing of coarse fish on 'V' shaped weir

Wildlife Notice Board & Bench  
Partner project - Friends of the River  
Crane Environment (FORCE)  
& Crane Valley Partnership (CVP)



- As security fence completed, funding of wildlife board and bench enhancements works to be delivered by FORCE





# AOB



# Thank you

