



# Mogden Sewage Treatment Works

Residents Liaison Meeting

9 March 2011

# Agenda



- Review of previous minutes
- Operations and correspondence
- Communications
- Independent Odour Research Study – Odour Abatement Project
- Grounds maintenance issues
- Mosquito survey results
- Sewage Treatment Work Upgrade Project – an update
- AOB

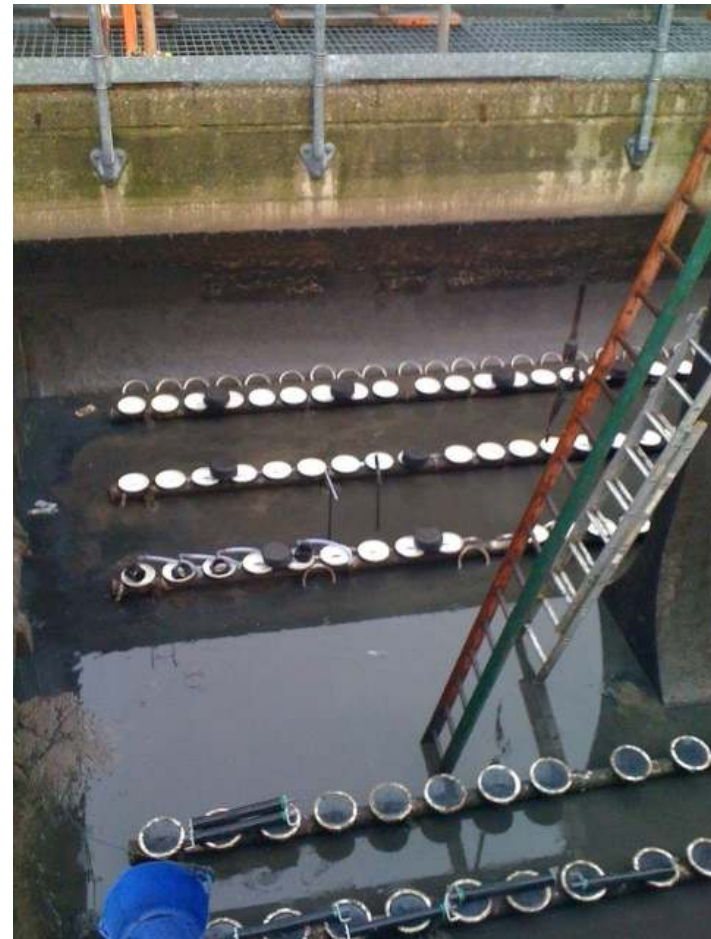


# Operations and correspondence

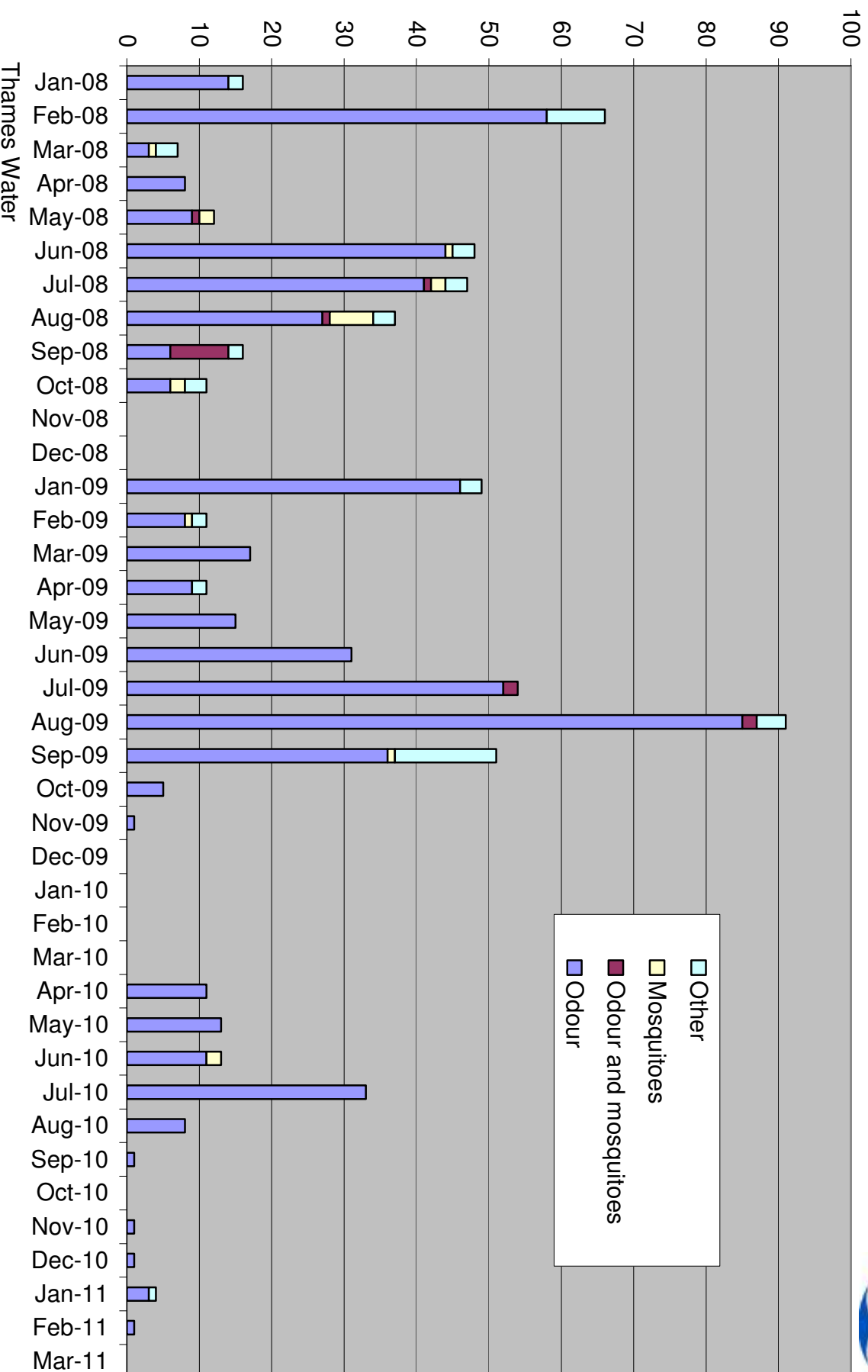
# Operations update



- The redoming of Battery C aeration lanes has been completed and Battery D has been started. This will be followed by Battery B later in the Spring.
- Two of our 'Longwood' screens have been refurbished. These screens remove objects larger than 6mm present in the wastewater we treat.
- Zak Espi-Castillo has now officially taken over the role of Process Manager at Mogden.



# Operational Correspondence 2008 – 2010



# Notifications December – Present



## December 2010

- None

## January 2011

- Mogden Upgrade – construction update
- Primary tank drain down – precautionary notice

## February 2011

- Minor sludge spill – precautionary notice
- Mogden Upgrade – construction update

## March 2011

- None



# Communications

# Communications update

- The latest issue of our newsletter is about to be mailed out to residents.
- We have begun the update of our interpretation boards in conjunction with the London Borough of Hounslow.
- The mosquito awareness campaign leaflet is currently being finalised, ready for approval from Thames Water and the London Boroughs of Hounslow and Richmond upon Thames.



## mogden update

March 2011

### Firm foundations for major site upgrade

Significant progress is being made as part of our L140m Improvement programme at Mogden, which will reduce the amount of sewage that overflows into the River Thames following heavy rain.

The next phase of the project, to move the vacuum embankment and create room for the additional sewage treatment equipment, is nearly complete.

The work so far has involved installing about 575,000 tonnes of soil, some of which will be used to fill around the new structures as they are built between now and 2012.

Delivering the soil to site has been a temporary increase in the height of the embankment, but has enabled the need for 750 heavy movements per day in and out of Mogden over the past six months. This has reduced the overall length of the project by 16 months.

Mark Wainman, Thames Water's Delivery Manager, said: "The improvement works are progressing really well, even though we were unable to work in some areas during the cold weather, due to the dry conditions. Our main activity so far this year has involved creating the foundations for the new treatment tanks, which will continue into the summer."

*"We are using around 40 ready-made concrete sections that fit together end to end, which is a relatively quick and quiet technique."*

"There will then be a break of about two months in the main piling activities while we work in another part of the site. We will resume the second phase of the work in the summer, which is likely to include installing culverts."

"We've also begun building a tunnel which will transport sewage entering the works to the new treatment tanks. We are using around 40 ready-made concrete sections that fit together end to end, which is a relatively quiet and quick technique."



Assistant Engineer James Clark (left) inspects the piling with a representative from Black & Veatch.

"In addition, we have started refurbishing our existing ducts, where sewage sludge is hoisted and broken down as part of the treatment process. This will increase the ability to produce hot water and electricity to help run the works, providing up to 40 per cent of the site on completion.

"In the spring we will start piling 4,000 tonnes of concrete to form the base of the first tank."

"Most of our work is now taking place further within the site and is therefore less visible from neighbouring properties."

"We'd like to thank residents for their ongoing patience and support during this essential work. As always, we will continue to work hard to keep any disruption to a minimum, which includes closely monitoring noise and vibration levels, and regularly reviewing our working methods. We plan to have the plant complete and fully operational by March 2012, with final landscaping complete in 2012."

Continued on page 2



The new methane gas compressor will help generate renewable energy. Photographs on pages 1 and 2 courtesy of Nick Keane.

# Duke of Northumberland River (DNR) - community day



- To help spruce up the DNR's environment, Friends of the River Crane Environment (FORCE) are teaming up with staff from Mogden to hold a community work day.
- Activities in mind for the day include planting wild flowers and creating habitats for bugs.
- The event will be held on Sunday 10 April.
- We are helping FORCE to appeal for volunteers.





# **Independent Odour Research Study - Odour Abatement Project**

# Odour Abatement Project - update



- The odour study carried out by Entec last year identified the first third of Batteries A & B aeration lanes as the main odour source from the site.
- Our R&D department have begun a study into how we can mitigate this odour. The first draft of their findings will be available in April this year.
- We have also procured a new type of skip cover and retrofitted our storm tank covers:





# Grounds maintenance issues

# Grounds Maintenance



- There was correspondence last year regarding grounds maintenance in Bankside Close, Hillary Drive, Lynton Close and Mogden Lane.
- All of these issues were resolved to the satisfaction of the residents who raised the issues, however, we have a long standing complaint against us from Simon Eaton-Walker of Weavers Close and we wanted to give him the opportunity to speak about it...



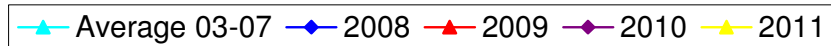
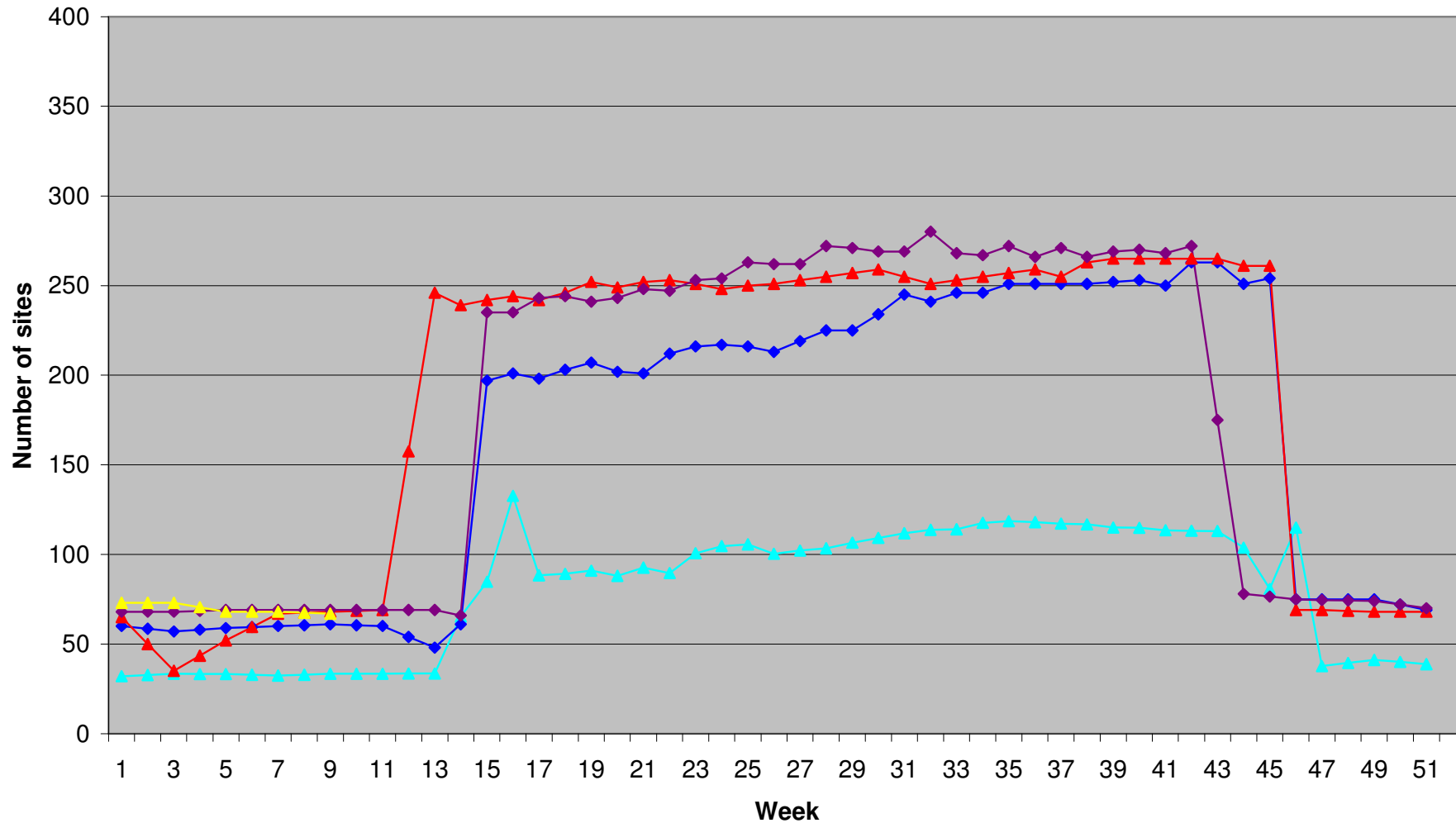
Thames Water



# Mosquito Survey Results

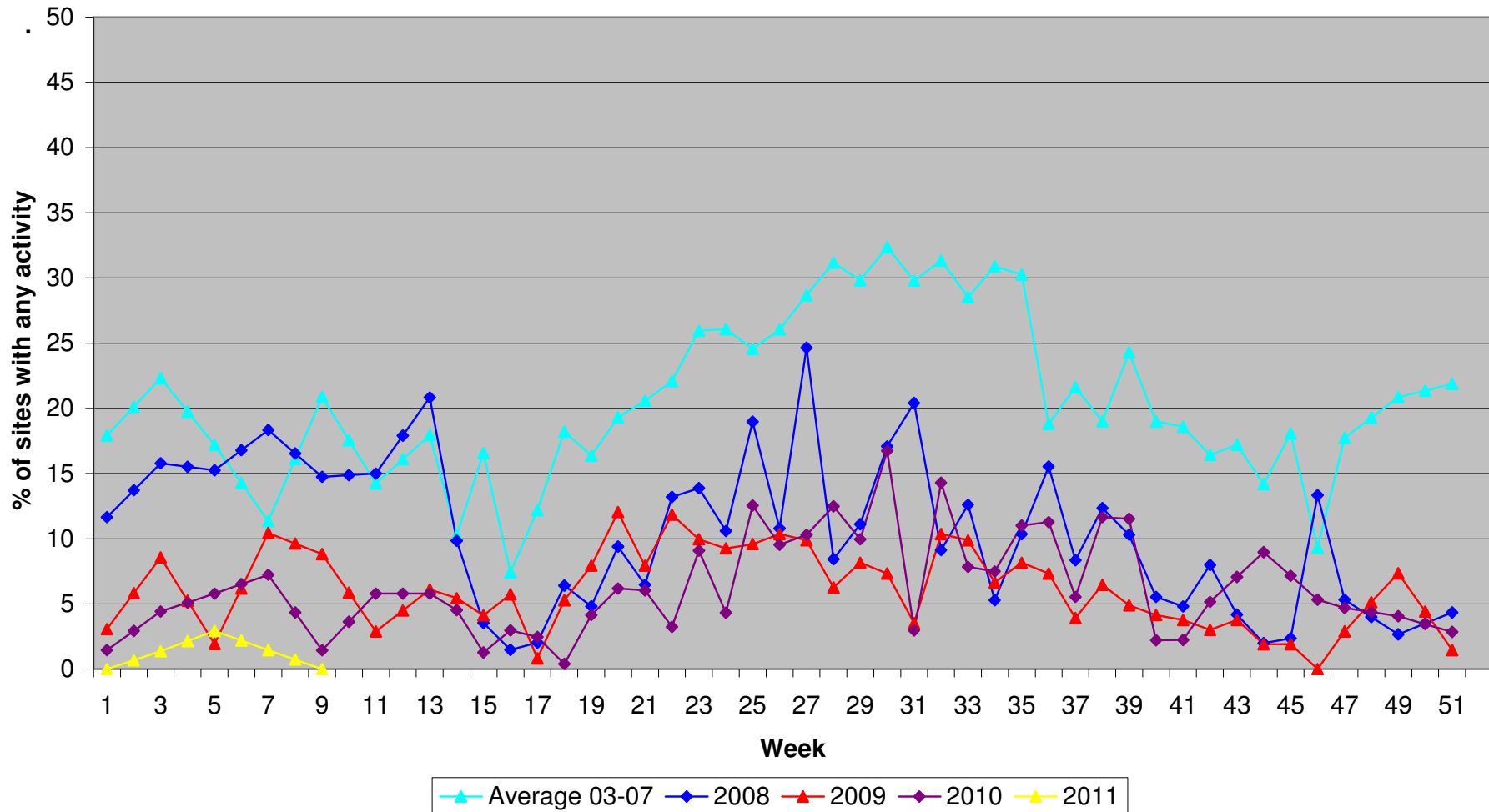
# Mosquito data

## - Number of sites inspected



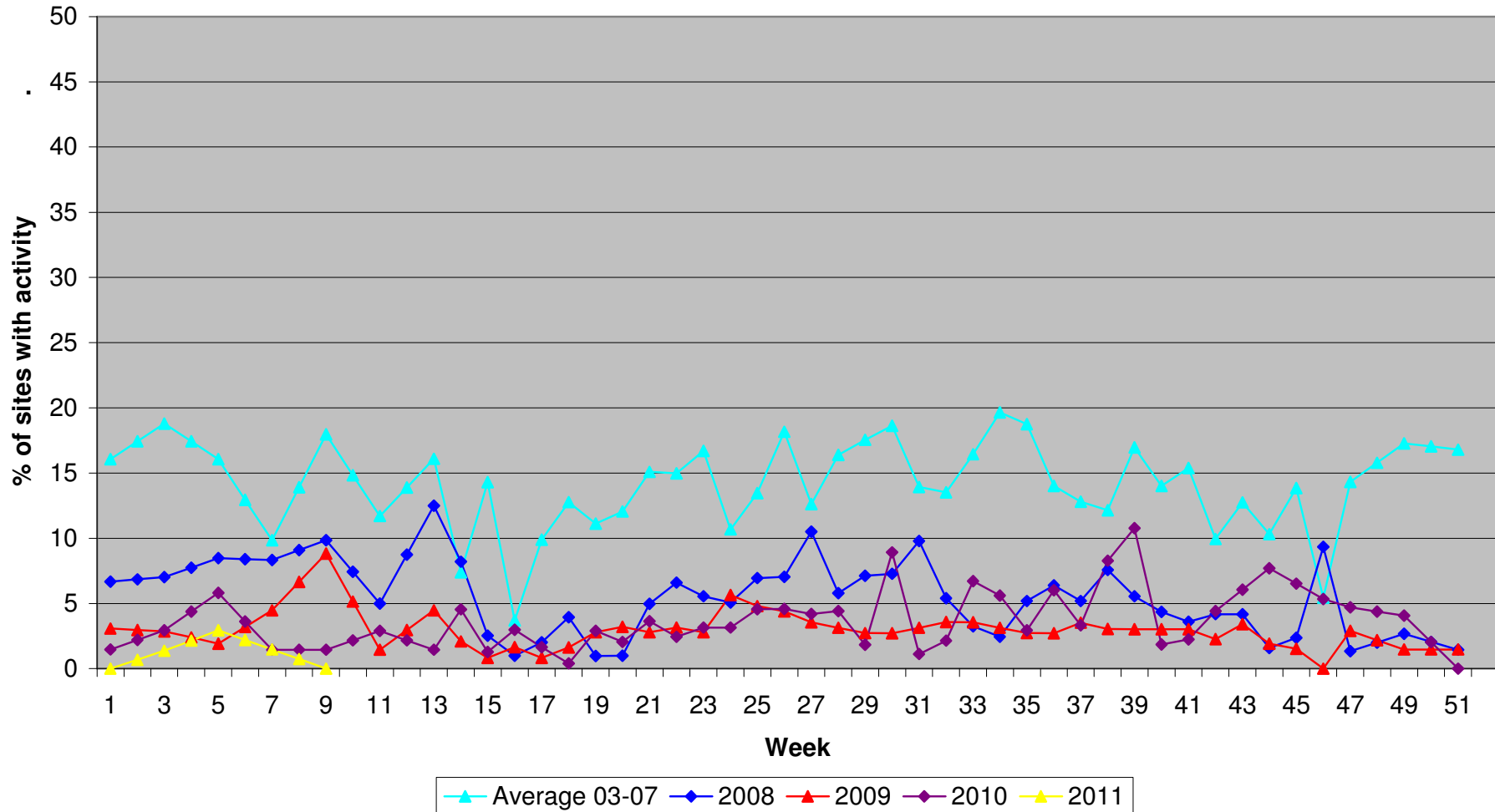
# Mosquito data

## - Percentage of sites showing any activity



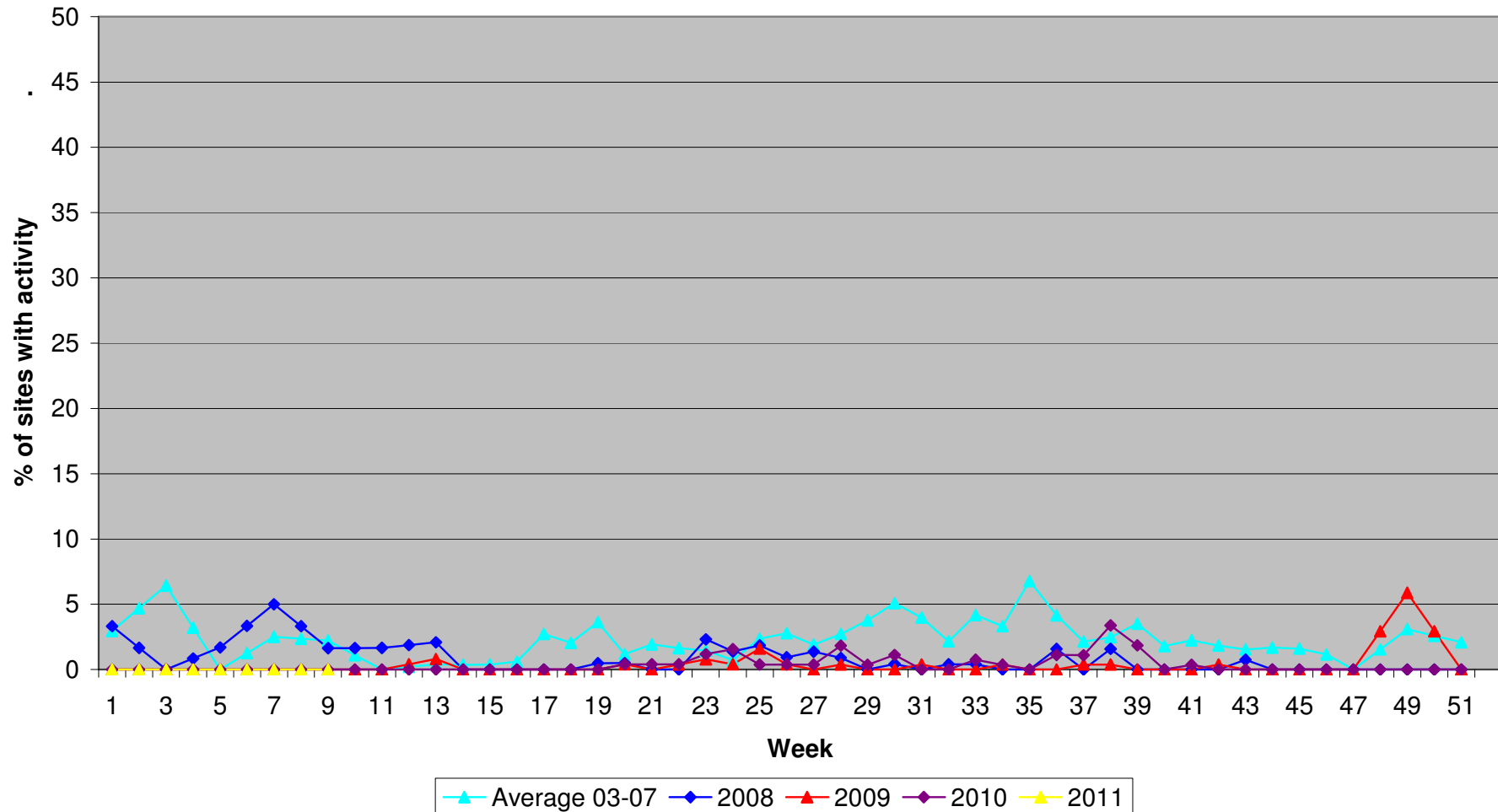
# Mosquito data

## - Percentage of sites showing any adults



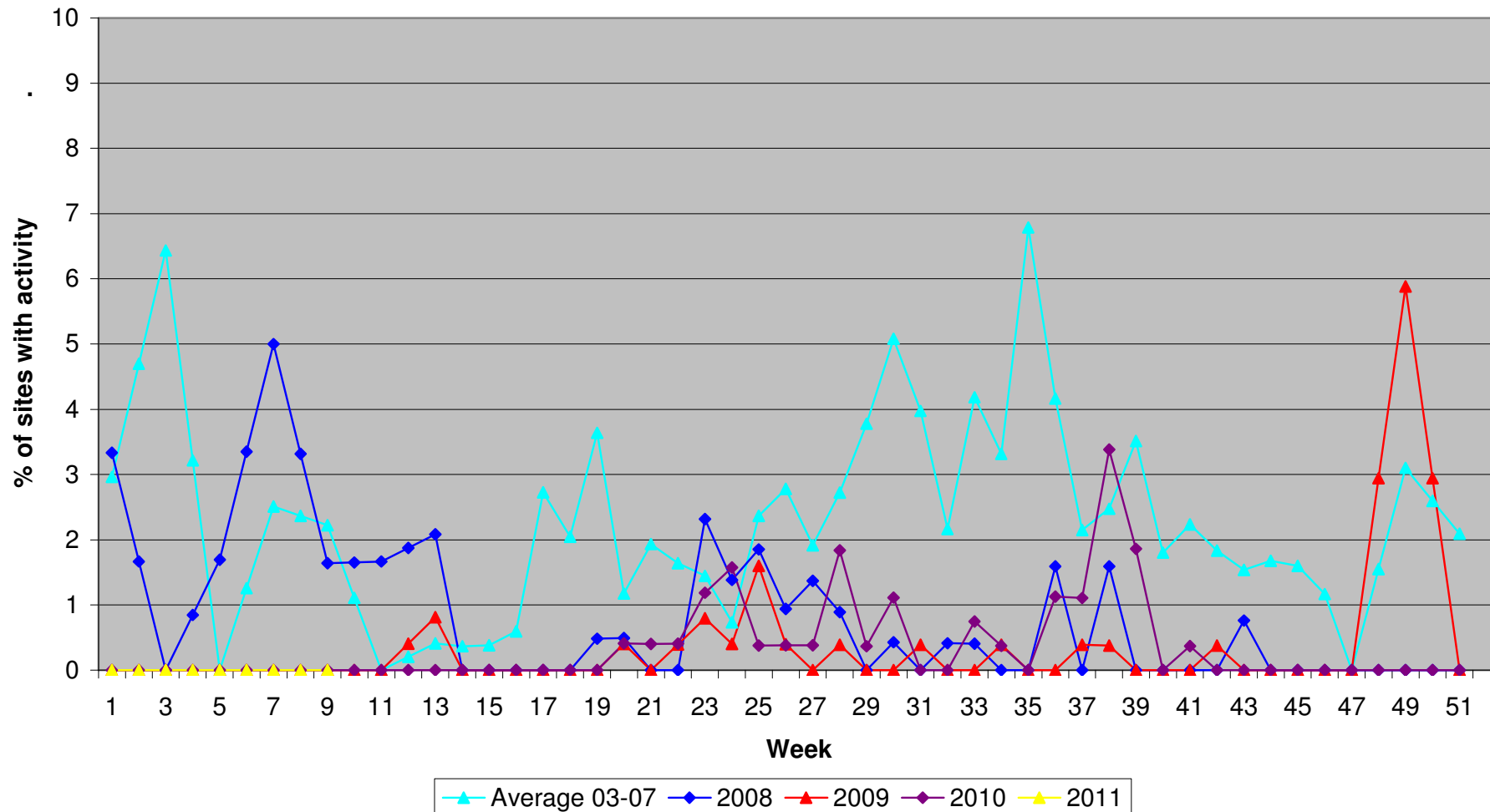
# Mosquito data

## - Percentage of sites with many adults



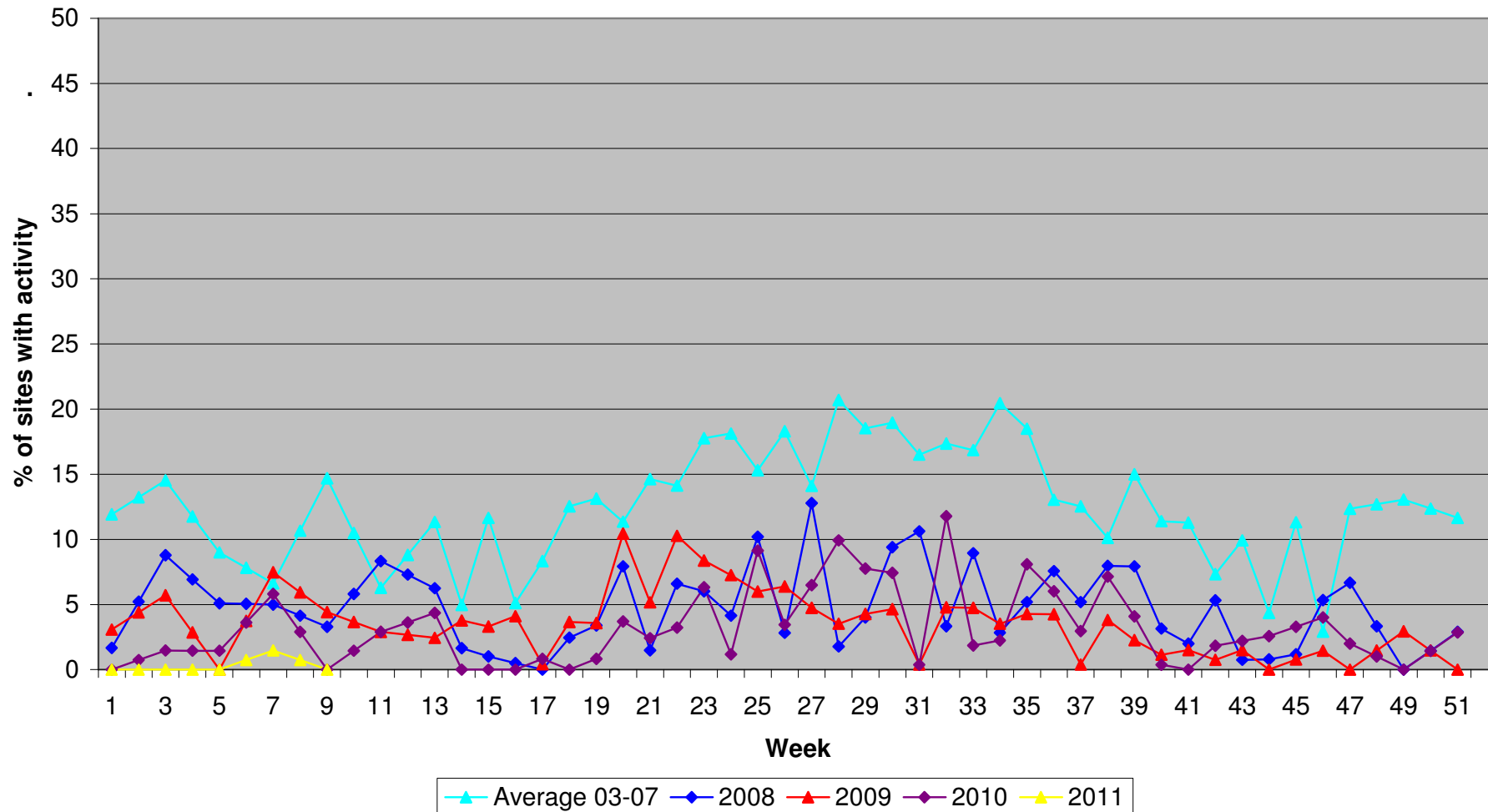
# Mosquito data

## - Percentage of sites with many adults (2)



# Mosquito data

## - Percentage of sites with larvae activity





# Sewage Treatment Works Upgrade Project – an update

Thames Water



# Progress so far – embankment



- Work to move the western embankment and create room for the additional sewage treatment equipment, is mainly complete, and we will be able to resume this work now that winter is nearly over.
- So far, we have moved about 575,000 tonnes of soil, some of which will be used to fill around the new structures as they are built between now and 2012.
- We are avoiding up to 750 lorry movements in and out of the site per day by storing the soil on site.



# Progress so far – new tunnel



- We have begun building a tunnel which will transport sewage entering the works to the new treatment tanks.
- We are using around 40 ready-made concrete sections that fit together end to end - a relatively quick and quiet technique.



# Progress so far - piling



- So far this year, our main activity, has involved creating the foundations for the new treatment tanks.
- This involves driving over 3,500 concrete piles into the ground, and we have completed a quarter of these.
- All of the steel piles have been installed, which was the noisier of the two piling activities.



# Progress so far - piling



# Progress so far - digesters



- We have started refurbishing our digesters, where sewage-sludge is heated and broken down as part of the treatment process.
- This will mean we will be able to produce hot water and electricity to help run the works, powering up to 40 per cent of the site on completion.
- We have finished working on two of the 16 digesters, and work will continue into 2012.



# What's coming up?



- We will shortly be carrying out some more work on the western embankment.
- In the spring we will start pouring 4,000 tonnes of concrete, to form the base of the first tank.
- Piling work will continue into late autumn, with a break of about two months around spring.
- The next three drop-in sessions will be held between **5pm and 7pm, on 24 March, 21 April and 26 May** at the RFU (Rugby Football Union).

# Considerate Constructor Scheme (CCS)



- The construction area at Mogden is registered under the CCS scheme by Black & Veatch.
- The scheme rewards high standards of consideration towards the entrants' workforce, site neighbours and the environment.
- The site was recently assessed as performing within the top 7.5 per cent of CCS sites.
- It will go forward to the CCS National Site Awards in April, where the level of award – gold silver or bronze – will be announced.





**AOB**

# Proposed dates of meetings:



- Wednesday 8 June 2011
- Wednesday 7 September 2011
- Wednesday 7 December 2011



# Need to contact us about Mogden?

Call the Mogden 24hr line (via the Thames Water Operations Contact Centre):

**0845 641 0030**

To subscribe to email notifications, email us at:

[mogden@thameswater.co.uk](mailto:mogden@thameswater.co.uk)

Visit our website:

[www.thameswater.co.uk/mogden](http://www.thameswater.co.uk/mogden)

Write to us:

**Customer Feedback**

**PO Box 286**

**Swindon**

**SN38 2RA**