



# Mogden Sewage Treatment Works

Residents' Liaison Meeting

27 January 2010

# Agenda

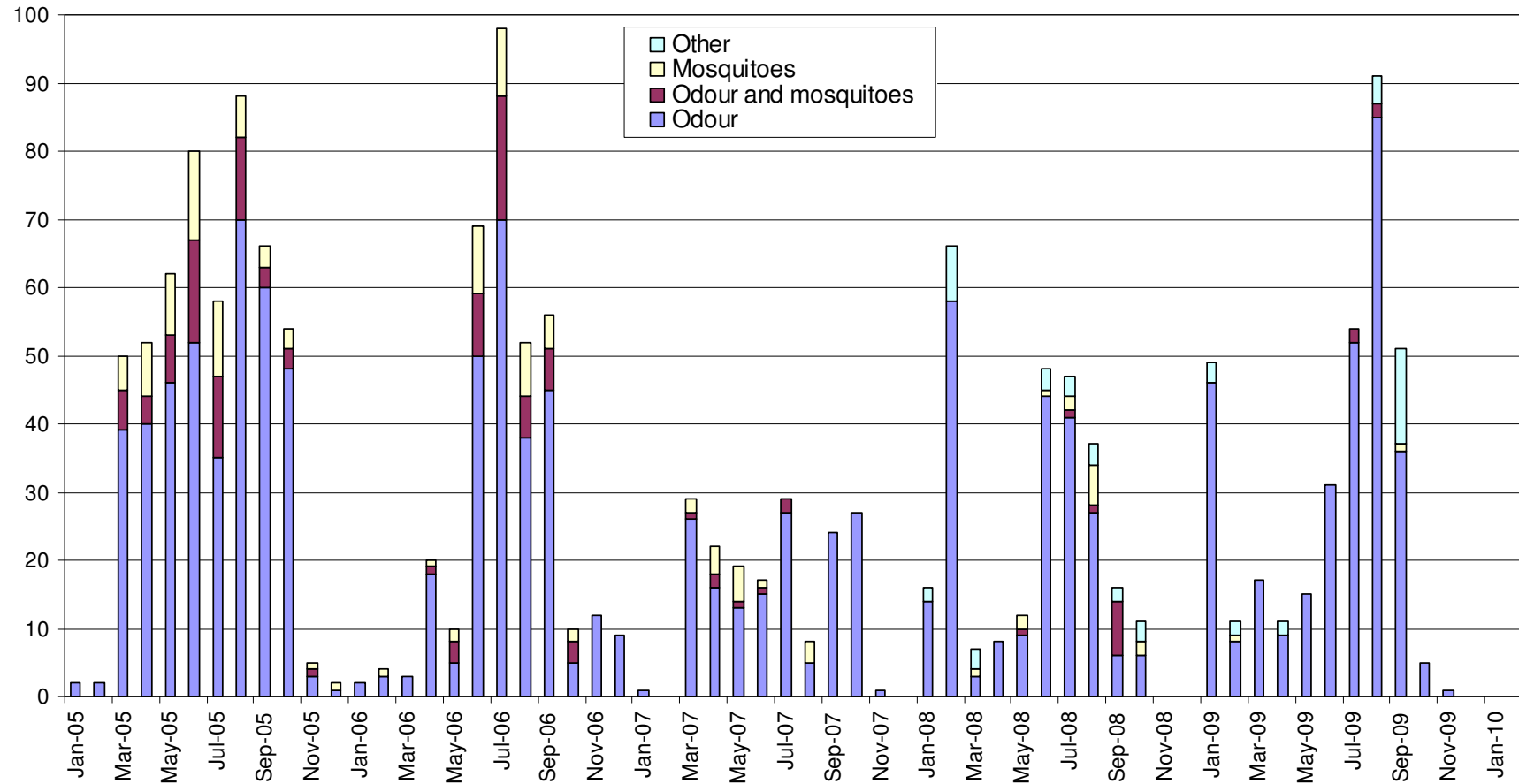


- Review of previous minutes
- Operations and correspondence
- Mosquitoes
- Tidal Thames Quality Improvements Project - Update
- Communications
- AOB



# Operations and correspondence

# Operational Correspondence



# Notifications April – Present



## October 2009

- Water main diversion affecting eastside odour control unit
- Minor digester sludge spill
- Sludge handling plant odour
- Westside primary tank maintenance
- Odour control unit servicing activities
- Minor digester spill

## November 2009

- Westside primary tank maintenance

## December 2009

- None

## January 2010

- Odour control unit maintenance



# Mosquitoes

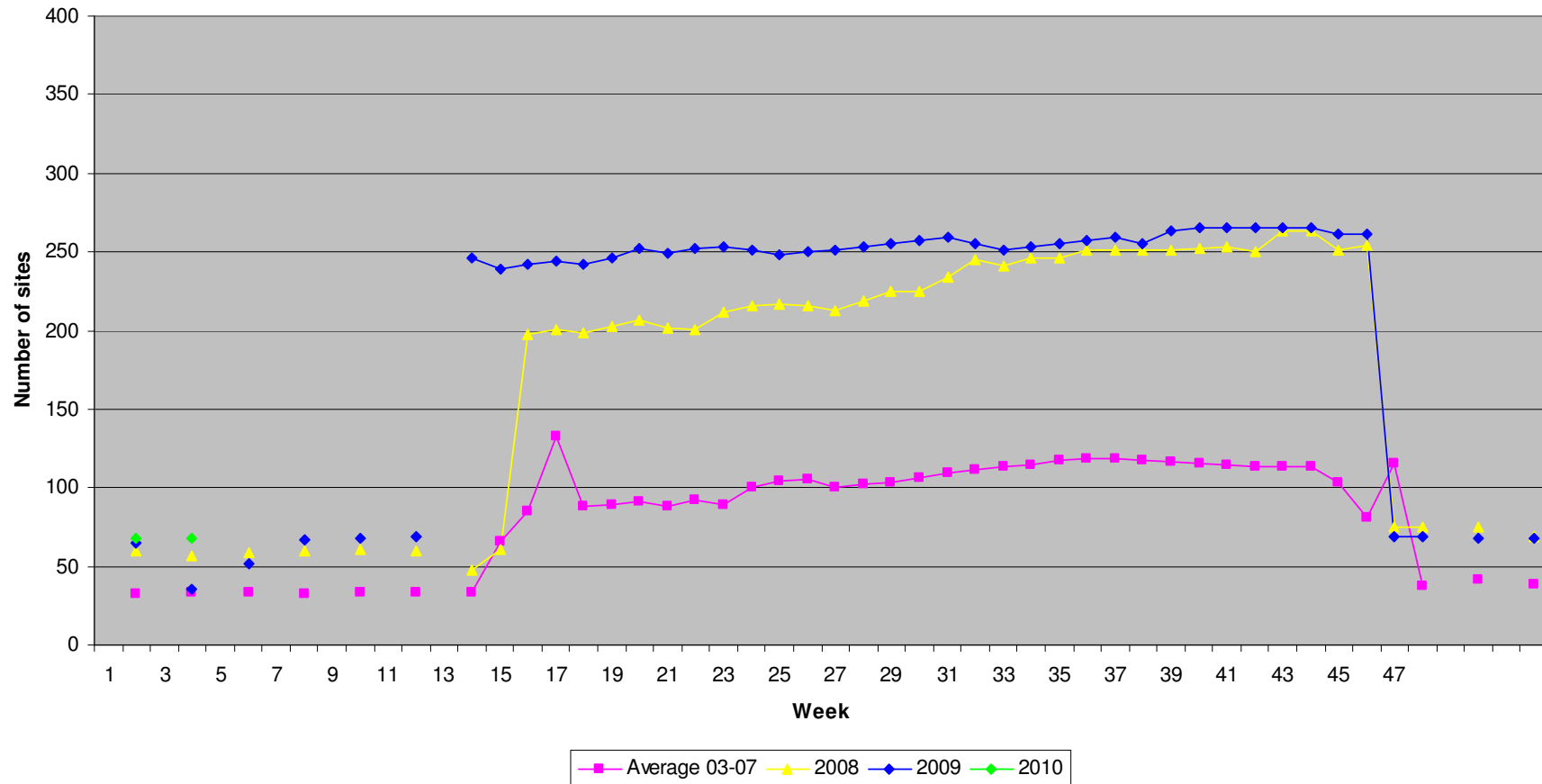
# Controlling mosquitoes at Mogden (1)



- We operate a strict year-round mosquito survey and control programme
- Surveys are carried out on a weekly basis by external experts in mosquito identification
- The number of sites surveyed vary with mosquito breeding patterns
  - Winter – up to 60 sites
  - Summer - up to 250 sites

# Mosquito data

## - Number of sites inspected



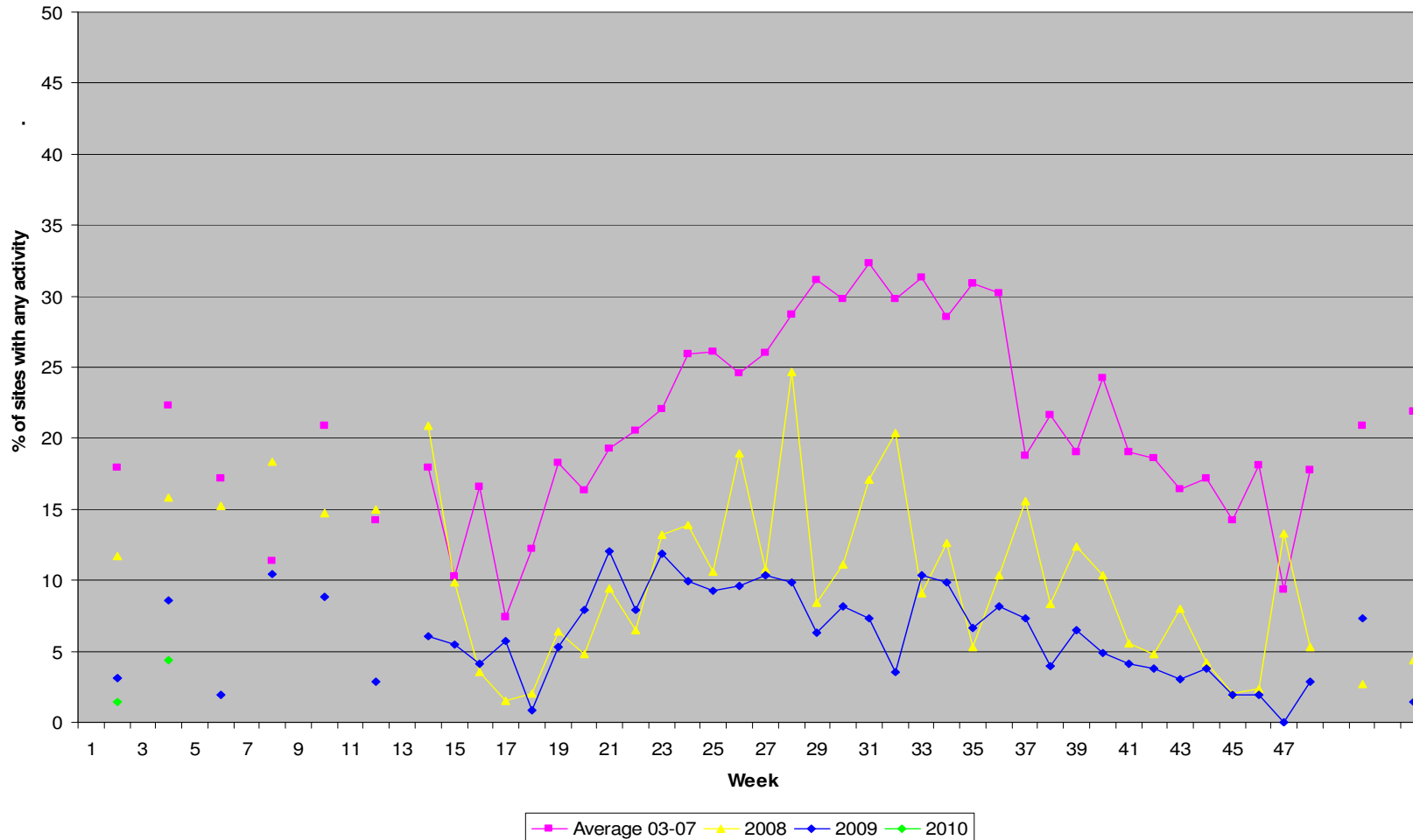
# Controlling Mosquitoes at Mogden (2)



- We use a number of different methods to control mosquitoes
  - **Physical** - **Removing stagnant water breeding sites, for example unblocking drains.**
  - **Biological** - **Using natural methods of control such as bacterial spraying of larvae**
  - **Mechanical** - **Using ultraviolet light traps that ‘zap’ insects with a high voltage electric shock**
  - **Chemicals** - **Using pesticides to kill adult mosquitoes**
  
- Regular control measures are implemented less than 2 days after the surveys are carried out

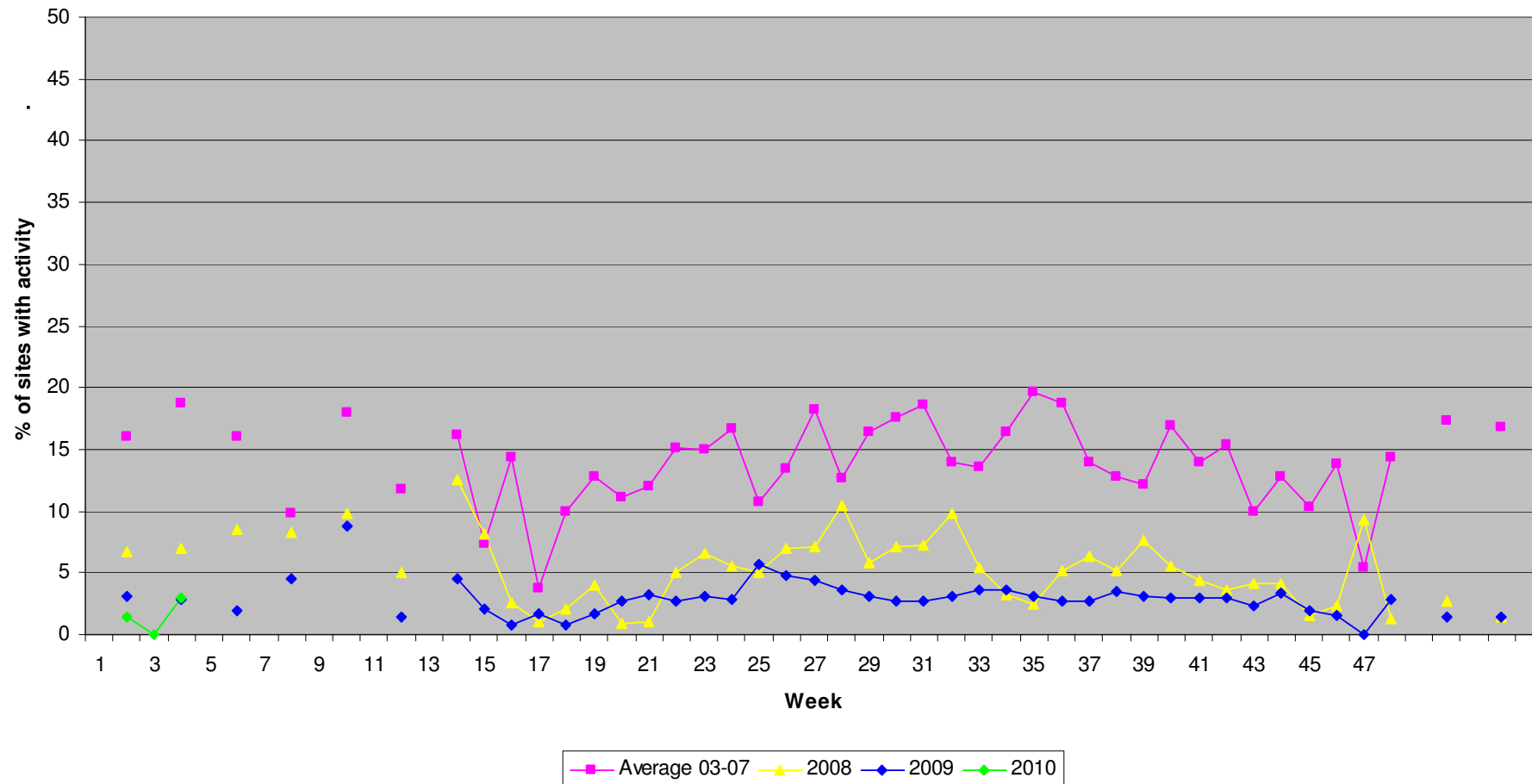
# Mosquito data

## - Percentage of sites showing any activity



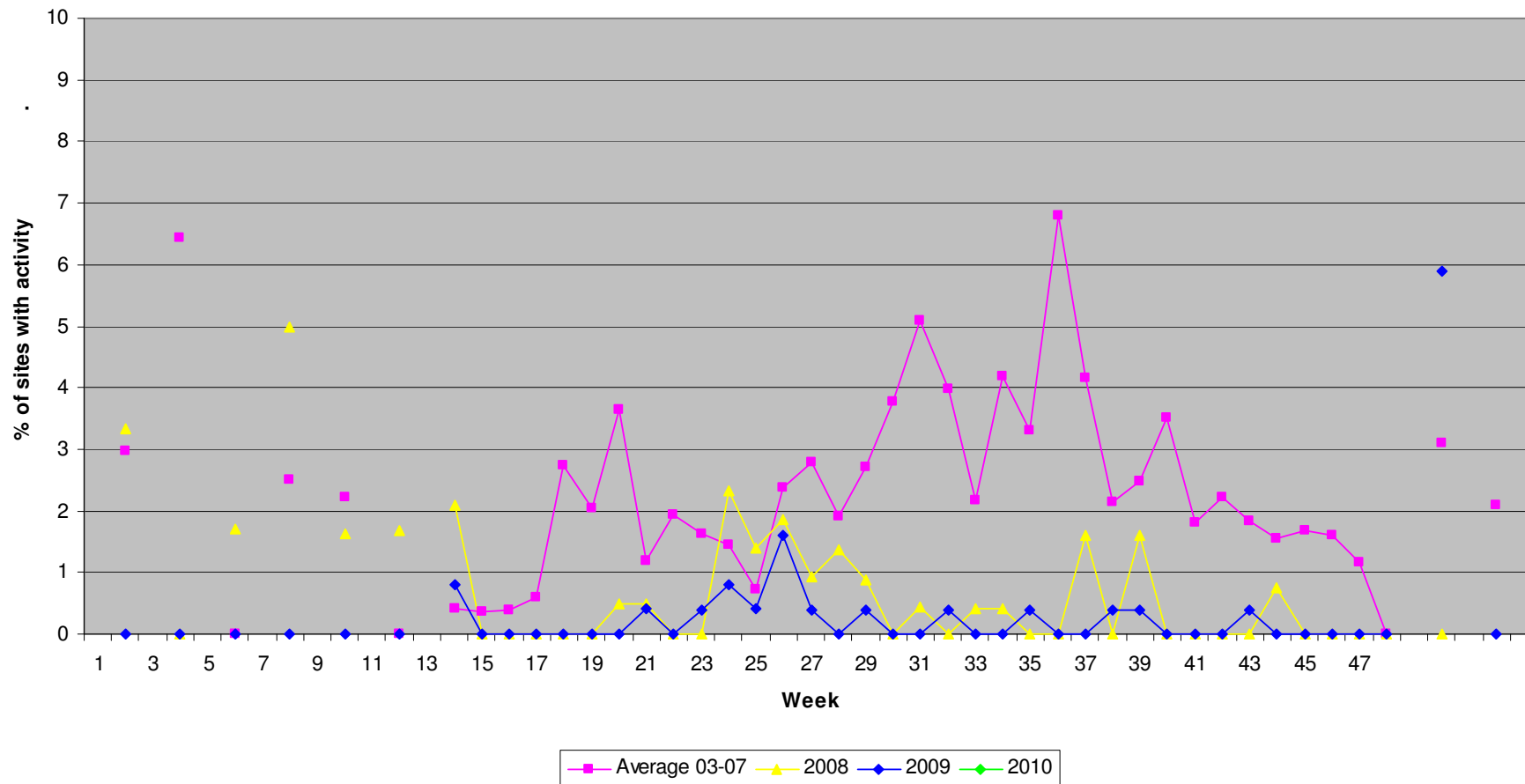
# Mosquito data

## - Percentage of sites showing any adults



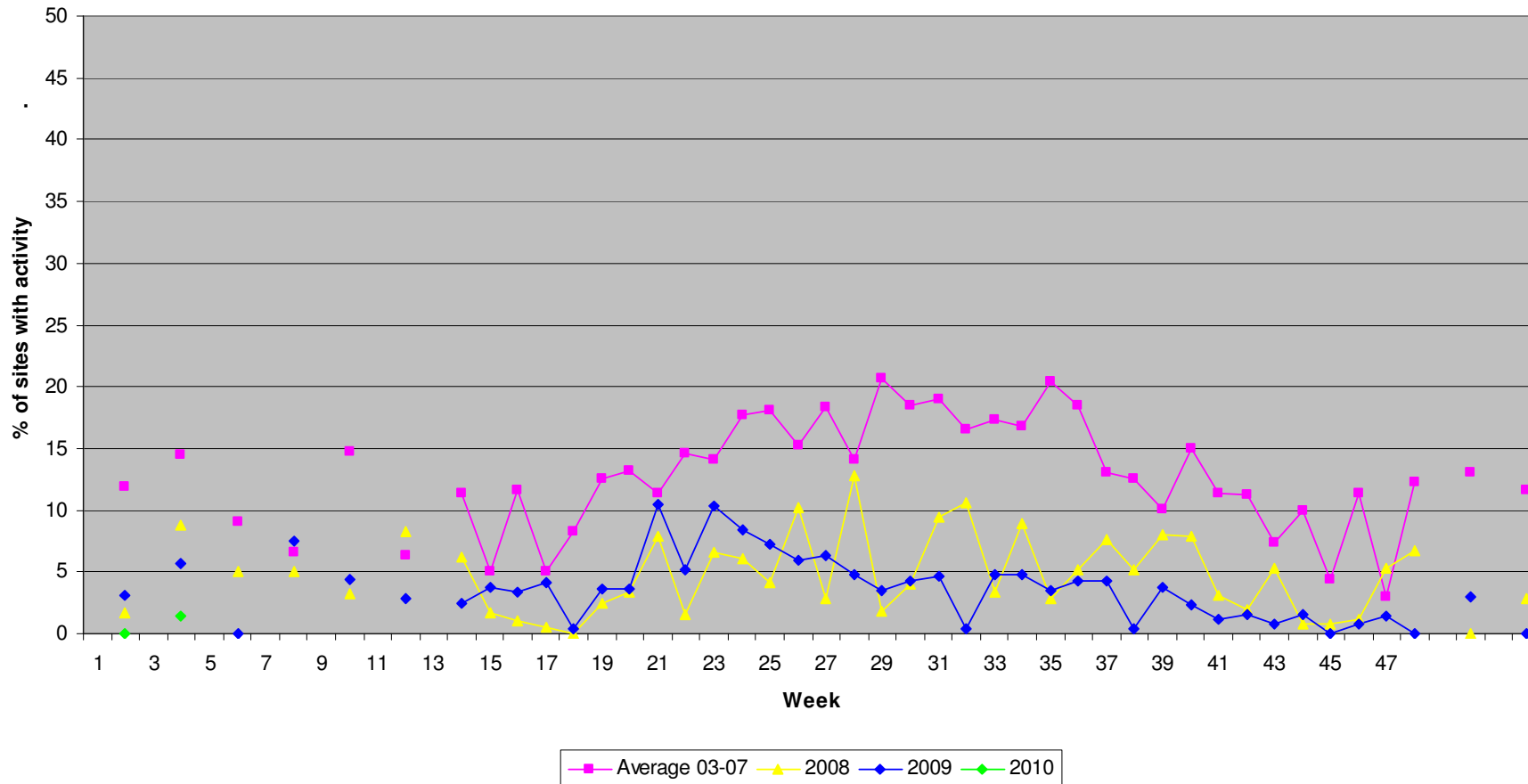
# Mosquito data

## - Percentage of sites many adults



# Mosquito data

## - Percentage of with larvae activity





# Sewage Treatment Works Upgrades



*Creating a cleaner, healthier River Thames*

**London Tideway Improvements**



*Creating a cleaner, healthier River Thames*

# Background



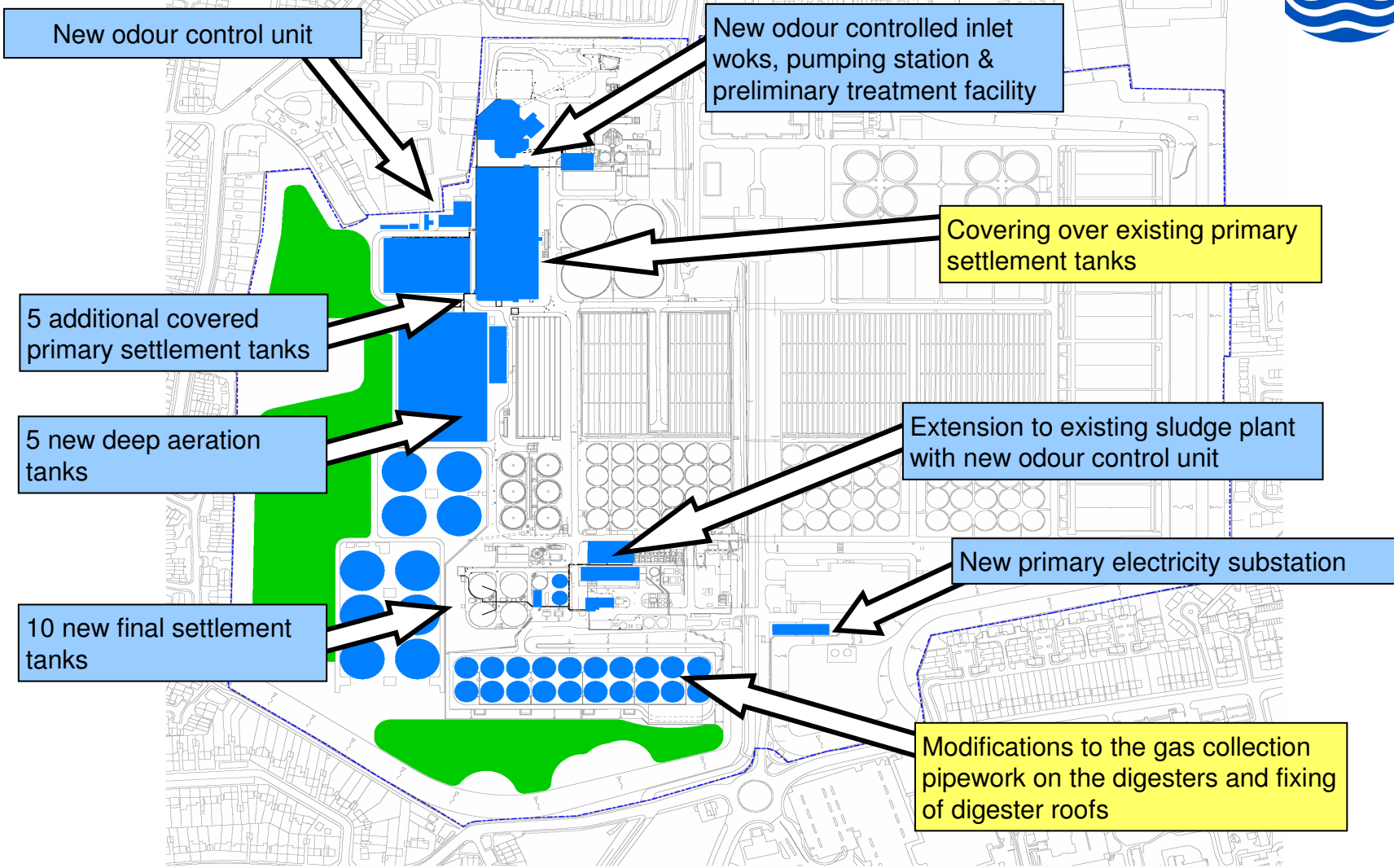
- Thames Water is investing in improving the water quality of the Tidal River Thames; for the ecology that thrives there, and everyone who uses and enjoys it.
- The proposed site improvements will enable Mogden STW to cope better with increased flows caused by heavy periods of rain, or ‘storm conditions’.
- This will mean a significant reduction in the need to discharge any untreated wastewater into the River Thames.
- The improvements will also mean less use of the existing storm tanks.
- The new works will be odour neutral



# A closer look at the improvements



# A closer look at the improvements



**New equipment =** [Blue box]      250 m      500 m

**Existing plant upgrades =** [Yellow box]

# Key dates



## December 2009

- 23 December, the planning permission signed, including full S106 #

## January – March 2010

- Black & Veatch awarded contract and preparatory work on western embankment begins. This includes vegetation clearance which is expected to last for up to 3 months.

## April 2010

- Setting up staff offices and mobilisation of equipment.
- Commencement of main construction works, including earthworks.



# Construction work

## Black and Veatch

- Applying for the project to be registered with the Considerate Contractor Scheme and will be working closely with LB Hounslow to minimise any disruption.

## Construction traffic

- To keep off residential streets clear, lorries will use the main roads namely the A316 and Rugby Road.
- To reduce lorry movements, we are recycling excavated materials on site.

## Noise mitigation

- Whenever possible, we will use silenced plant.

## Odour

- The new works will be odour neutral at worst
- Any odorous activities will be carried out inline with the Odour Management Plan.
- We will notify residents of any potential odorous activities.



# Communications

# Keeping up to date with Mogden



- **E-Mail notifications**

Informing residents of possible increase in odour

To subscribe, email us at [mogden@thameswater.co.uk](mailto:mogden@thameswater.co.uk)

- **Mogden Newsletter**

- **Mosquito Awareness Campaign 2010**



## Find out more...

There are a number of ways of contacting us to find out more information.

- Call the Mogden fast track line to our customer centre (24hrs)

**0845 641 0030**

- Visit our regularly updated website

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

- Send a letter to

Thames Water

PO Box 463

Swindon

SN38 1TU



**A.O.B**