



Mogden Sewage Treatment Works

Residents Liaison Meeting

5 December 2012

Agenda



- Review of previous minutes
- Operations and communications
- Odour
- Mosquito survey results
- Sewage Treatment Works Upgrade Project – an update
- AOB



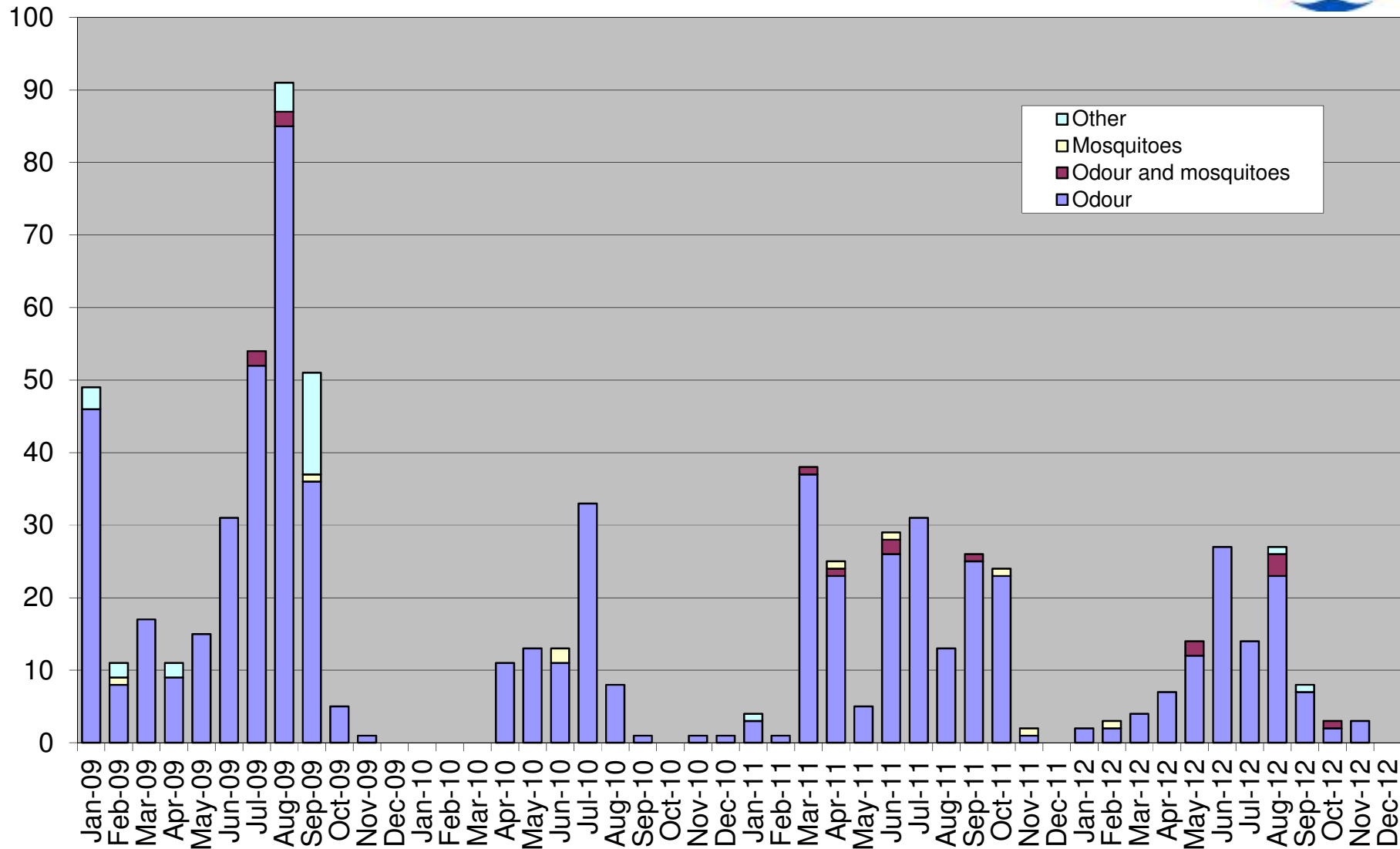
Operations and communications

Operations update



- Part of the extension work at Mogden includes covering our existing west side rectangular primary settlement tanks, or PSTs, and installing odour control equipment
- The tanks were fully handed over to the project delivery team in September
- Above is a photo of progress on the final tank to be covered

Operational Correspondence 2009 – 2012



Notifications September – Present



September 2012

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

October 2012

- None

November 2012

- Mogden Upgrade – construction update

December 2012

- None

Communications update (1)

- Our latest Mogden Update newsletter has been sent out
- It includes an article about mosquito control



Countdown to completion

The end of Thames Water's three-year major construction project to boost Mogden's treatment capacity by 50 per cent is fast approaching

Mogden's £100 million upgrade is nearing completion with work on track to finish by the end of March 2013. Delivery manager Matt Whitburn confirmed the 200 strong team are gradually winding up each part of the extensive construction program made so far has been "only remarkable". "It's a huge achievement for the dedicated team who have worked really hard since the start," he said. "It's a

massive and complex operation and we're already just a matter of the few treatment tanks to go.

"We really do appreciate everyone's patience who we've been carrying out these improvements". The extra treatment capacity means existing uncovered primary tanks have been taken offline so they can be refurbished, covered and/or demolished. Once done, they will work for a further 20 years as an operational asset by the spring.

Engineers are now working full steam ahead to switch on the remainder of the new works, which on completion will significantly reduce the need to discharge partially treated sewage into the River Thames.

The remainder of the project will include the site's sewerage underpinning, backflow which

"WE REALLY DO APPRECIATE YOUR PATIENCE WHILE WE'VE BEEN CARRYING OUT THESE IMPROVEMENTS"

will be carried out in line with plans approved by the London Borough of Havering. Work to stop the ground fall, already begun, will be finished at the beginning of 2013. At this point, the installation will be ready to be planted with a range of young native woodland species, including English oak and hawthorn, and shrubs such as hazel and holly. Herb-rich grasses will then be introduced to help establish new habitats and attract wildlife.



Communications update (2)



Ivybridge Primary School partnership

We have adopted a classroom of 29 children aged 9-10 years old.

A six month programme of activities has been put together aiming to:

- Assist their learning needs
- Improve their understanding of the sewage system and Mogden
- Facilitate access to new experiences





Odour



Mosquito Survey Results

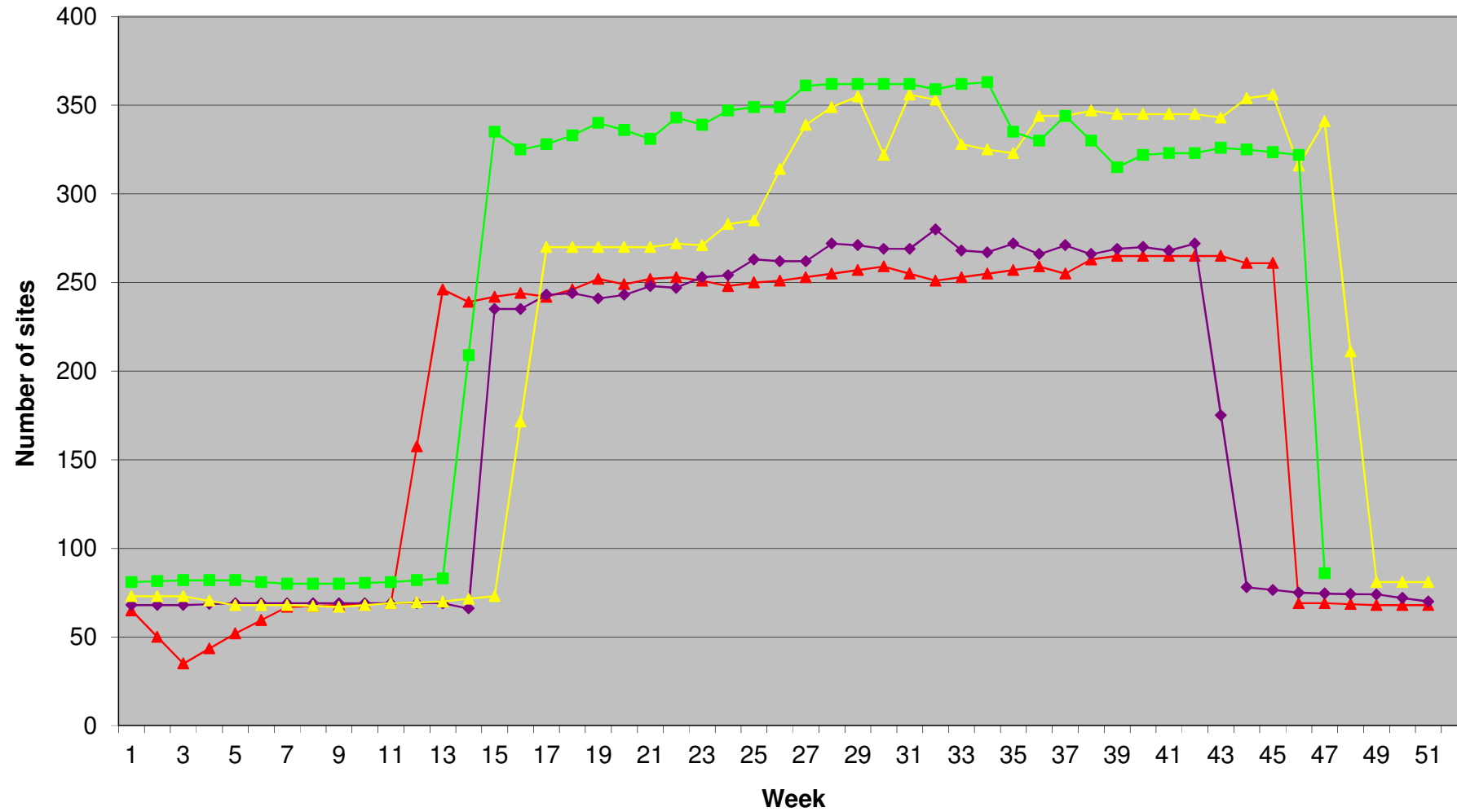
Guide to week numbers – 2012



January	Weeks 1 – 5
February	Weeks 5 – 9
March	Weeks 9 – 13
April	Weeks 13 – 18
May	Weeks 18 – 22
June	Weeks 22 – 26
July	Weeks 26 – 31
August	Weeks 31 – 35
September	Weeks 35 – 39
October	Weeks 40 – 44
November	Weeks 44 – 48
December	Weeks 48 - 52

Mosquito data

- Number of sites inspected

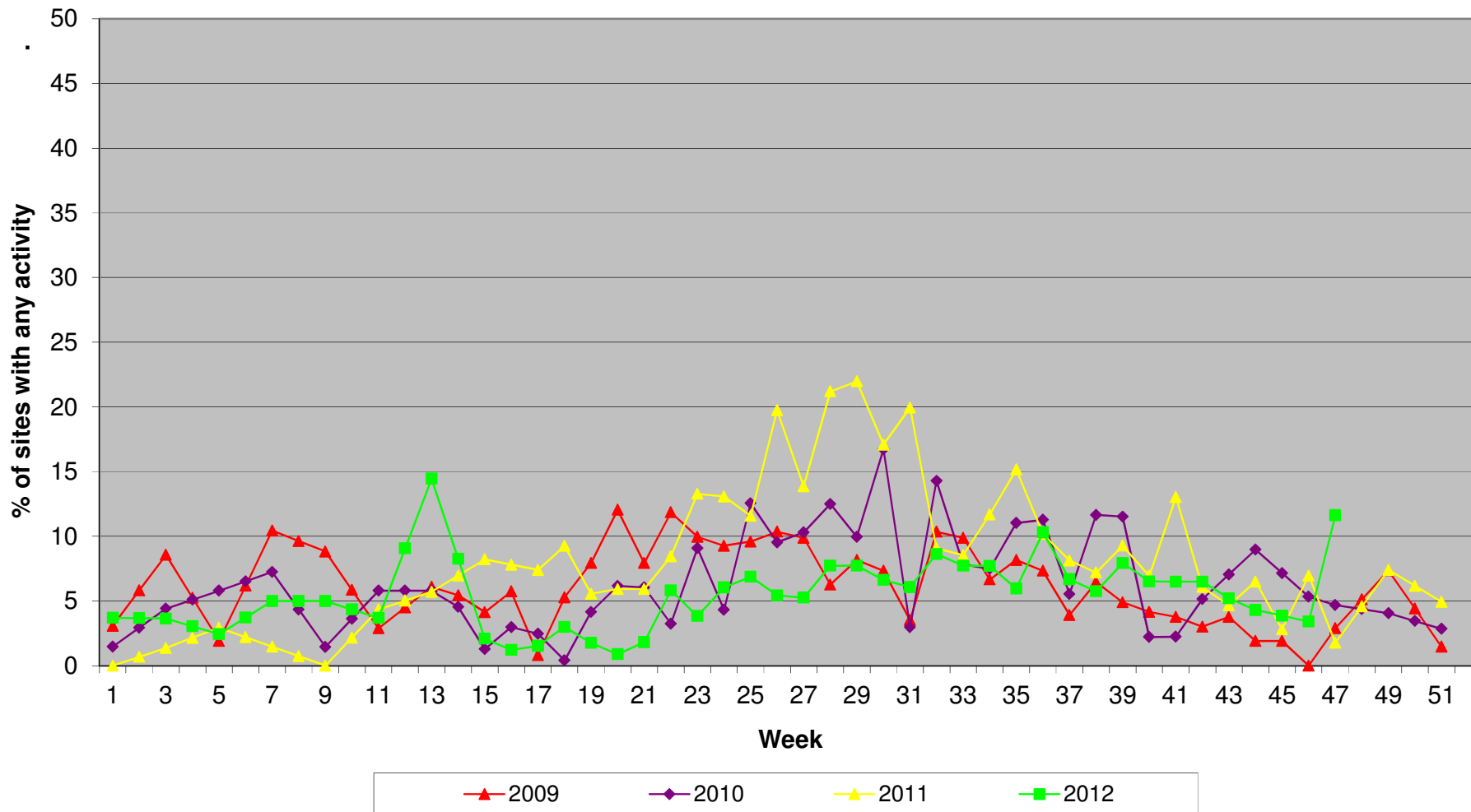


Thames Water



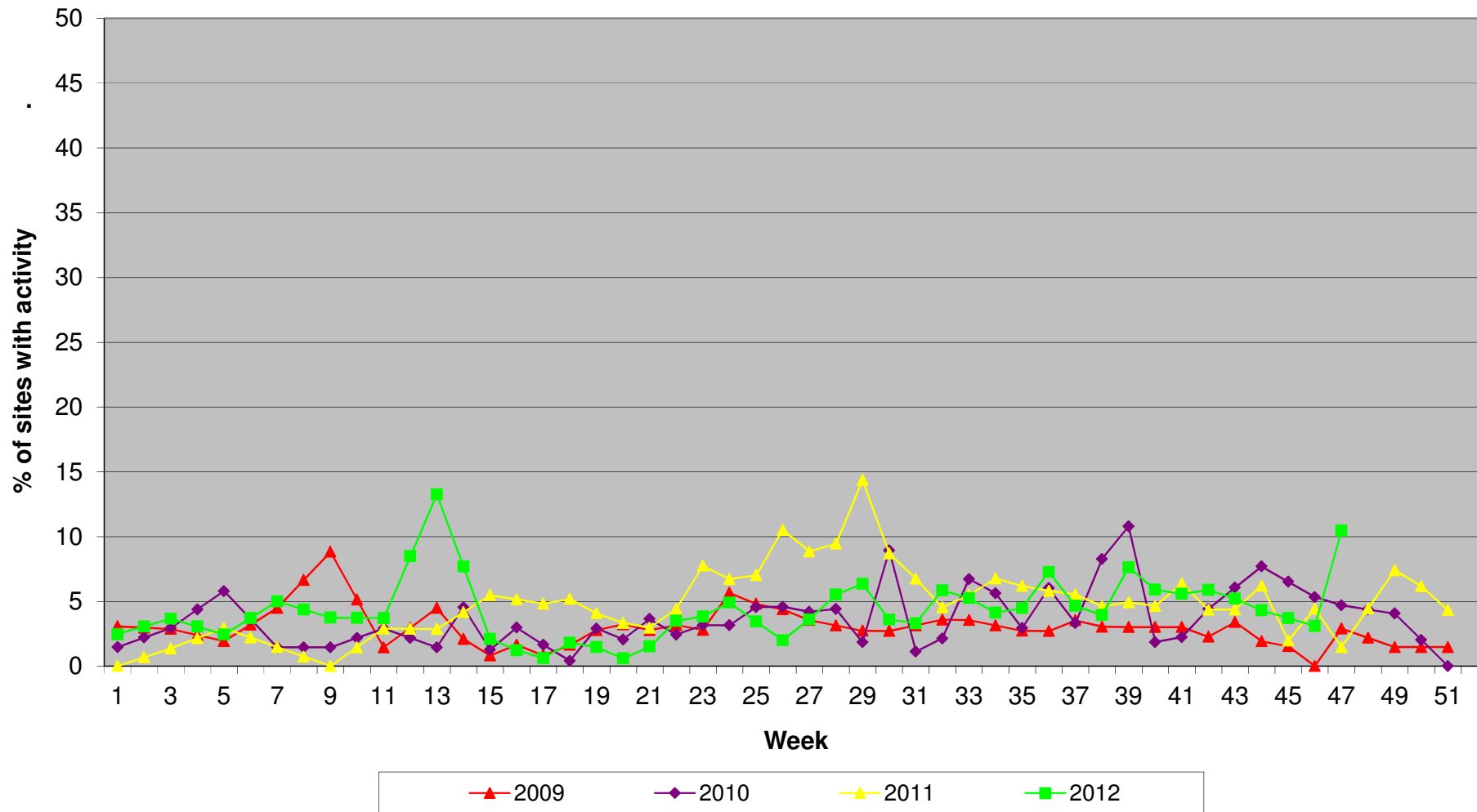
Mosquito data

- Percentage of sites showing any activity



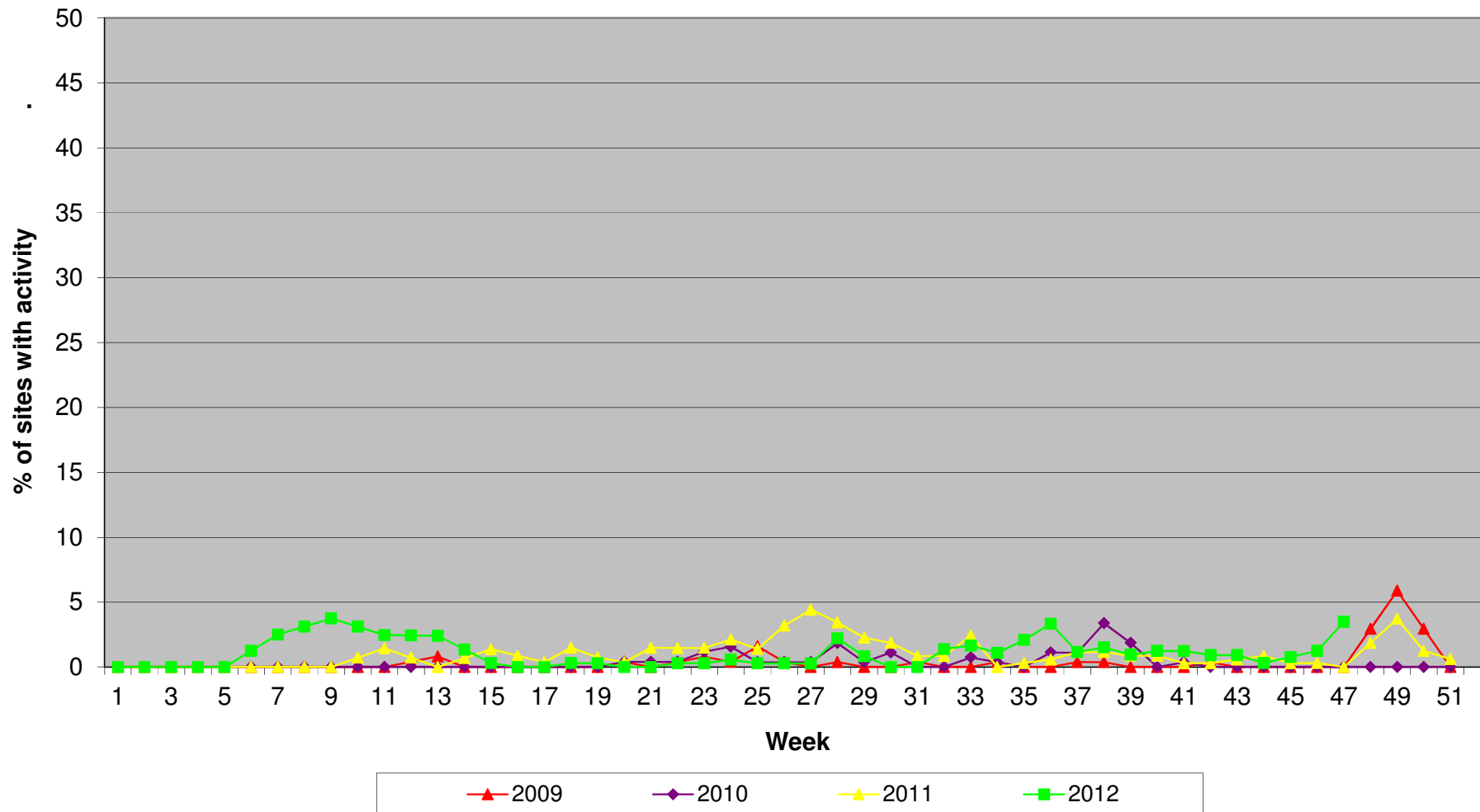
Mosquito data

- Percentage of sites showing any adults



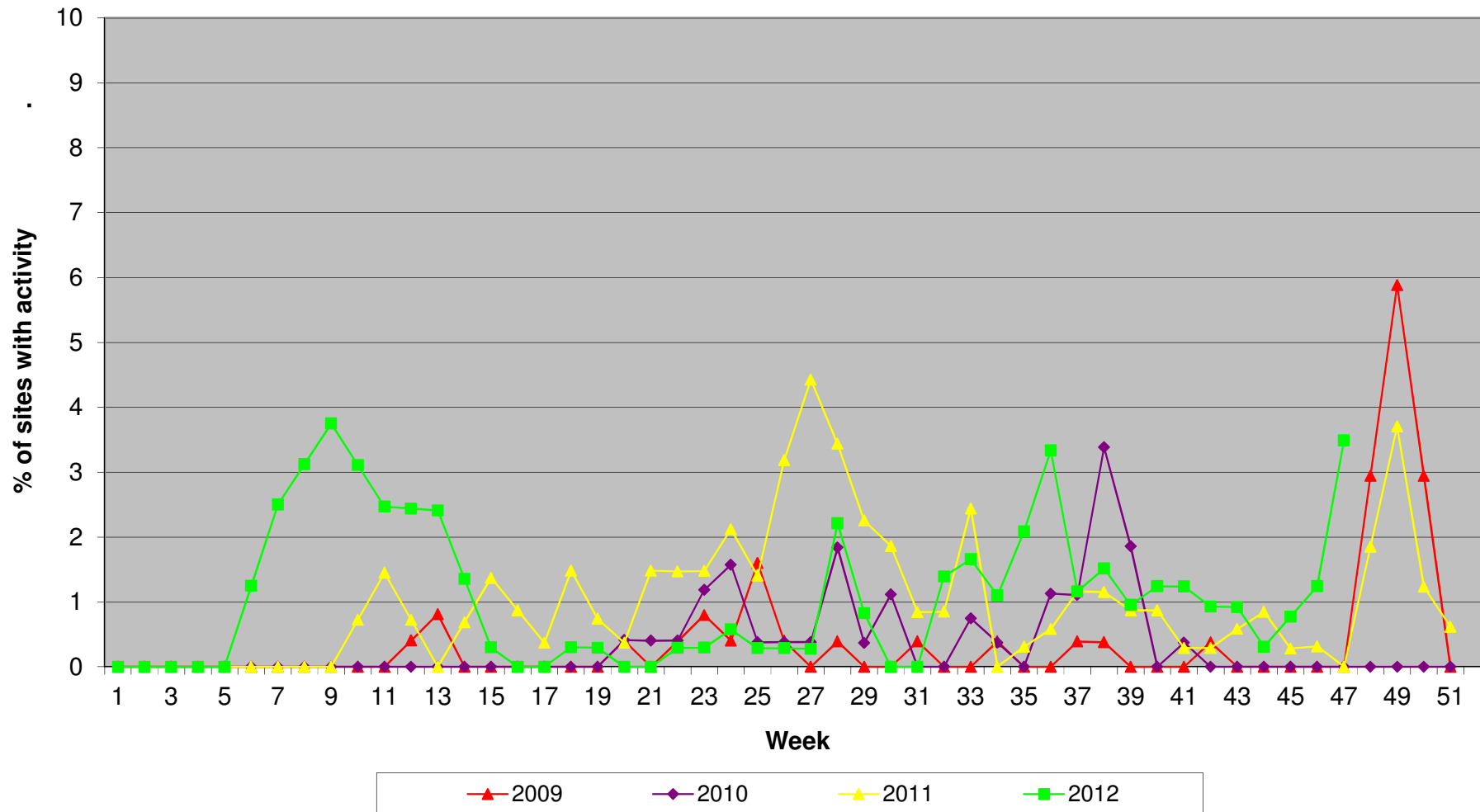
Mosquito data

- Percentage of sites with many adults



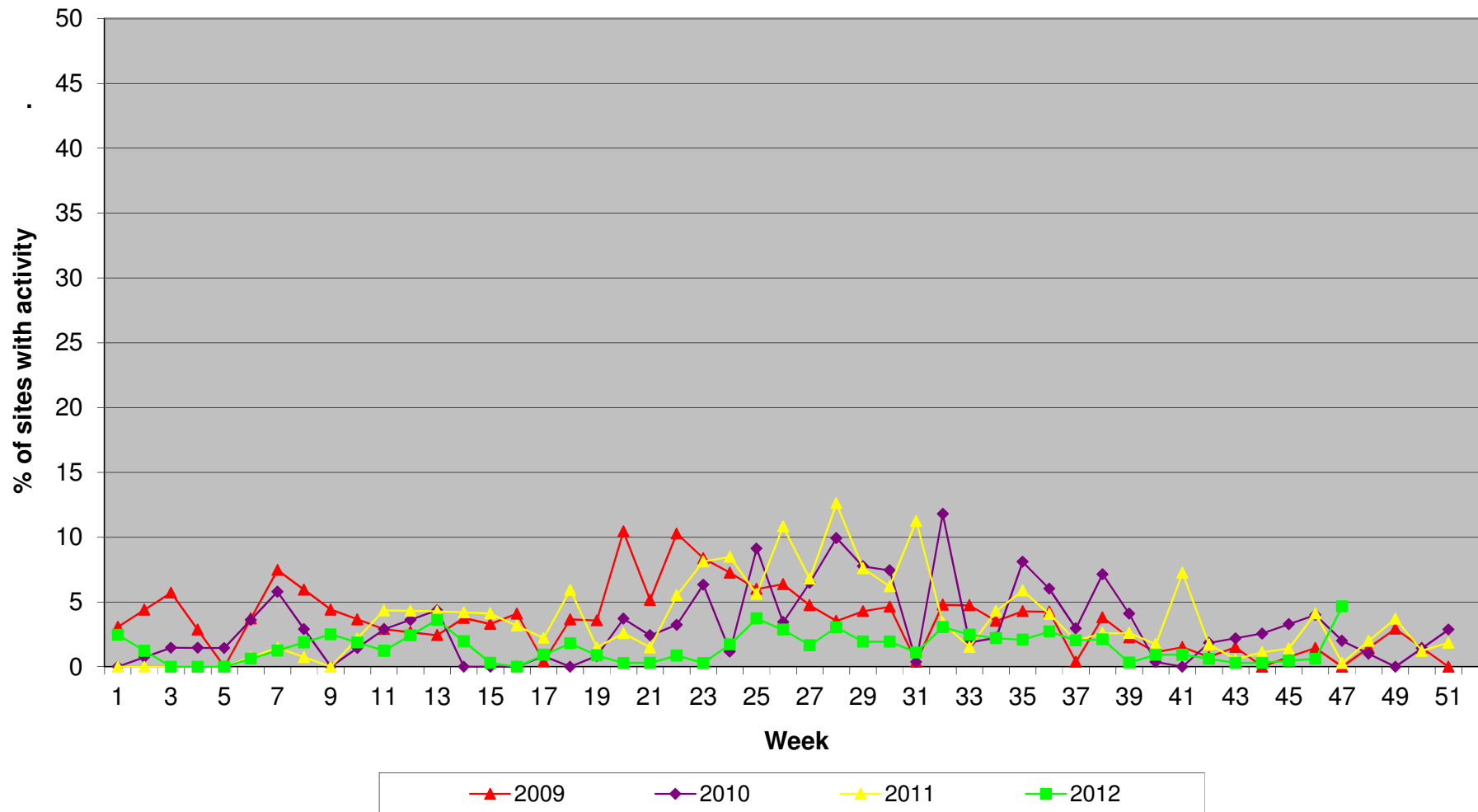
Mosquito data

- Percentage of sites with many adults (2)



Mosquito data

- Percentage of sites with larvae activity





Sewage Treatment Works Upgrade Project – an update

Thames Water

**Sewage Works
Upgrades** 
Creating a cleaner, healthier River Thames

Mogden Upgrade



Adrian Jack, Contract Manager



Key progress to date

- A number of new treatment tanks are in service
- Gearing up to start flows going through new aeration and final tanks
- About to start flows through new pasteurisation and odour control plants
- Continuing to refurbish, cover and odour control existing uncovered primary tanks – first two nearly complete and back into service in next few weeks
- Continuing to shape western embankment in readiness for planting in early 2013
- Continuing to focus on mechanical and electrical installation



Aeration lanes

Where we encourage bacteria to eat the organic matter

- Water tests on all five new lanes complete
- Building of new pumping station underway and nearly complete
- Pattern tests of new diffusers complete
- First flows going through two aeration tanks and four final tanks in the next few weeks



Final settlement tanks

Where the remaining solids are removed

- Eight out of ten final tanks are complete
- Filling of soil around final tanks from embankment nearly complete
- Starting to construct new access roads and footpaths



Sludge stream

Where the waste left after the treatment process is broken down and turned into energy

- Expanded our pasteurisation plant – nearly complete and gradually being put into service
- Last two of the sixteen digesters being cleaned and refurbished
- This work will allow us to power up to 40 per cent of the extension with renewable energy



Odour control units

We are installing two new odour control units (OCU)

- OCU no.11 controls odour from the new inlet works and primary tanks
- OCU no.12 controls odour from the new sludge stream
- Both OCUs are complete and operational



The western embankment



- Construction offices now completely moved
- Final stage to shape the embankment is underway – soil being moved from temporary stockpiles
- Embankment will be planted with a range of young native woodland species in early 2013





Questions?



AOB

Proposed dates of future meetings:



- Wednesday 6 March 2013
- Wednesday 5 June 2013
- Wednesday 4 September 2013



Need to contact us about Mogden?

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

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To subscribe to email notifications, email us at:

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