



Mogden Sewage Treatment Works

Residents' Liaison Meeting

17th September 2008

Agenda



16:30

Site Tour

17:30

Mogden Residents' Liaison Meeting

- Apologies
- Odour Improvement Project
- Odour
- Working for a cleaner River Thames
- Mosquitoes
- Communications
- Any Other Business
- Proposed date for next meeting

19:15

Meeting Close



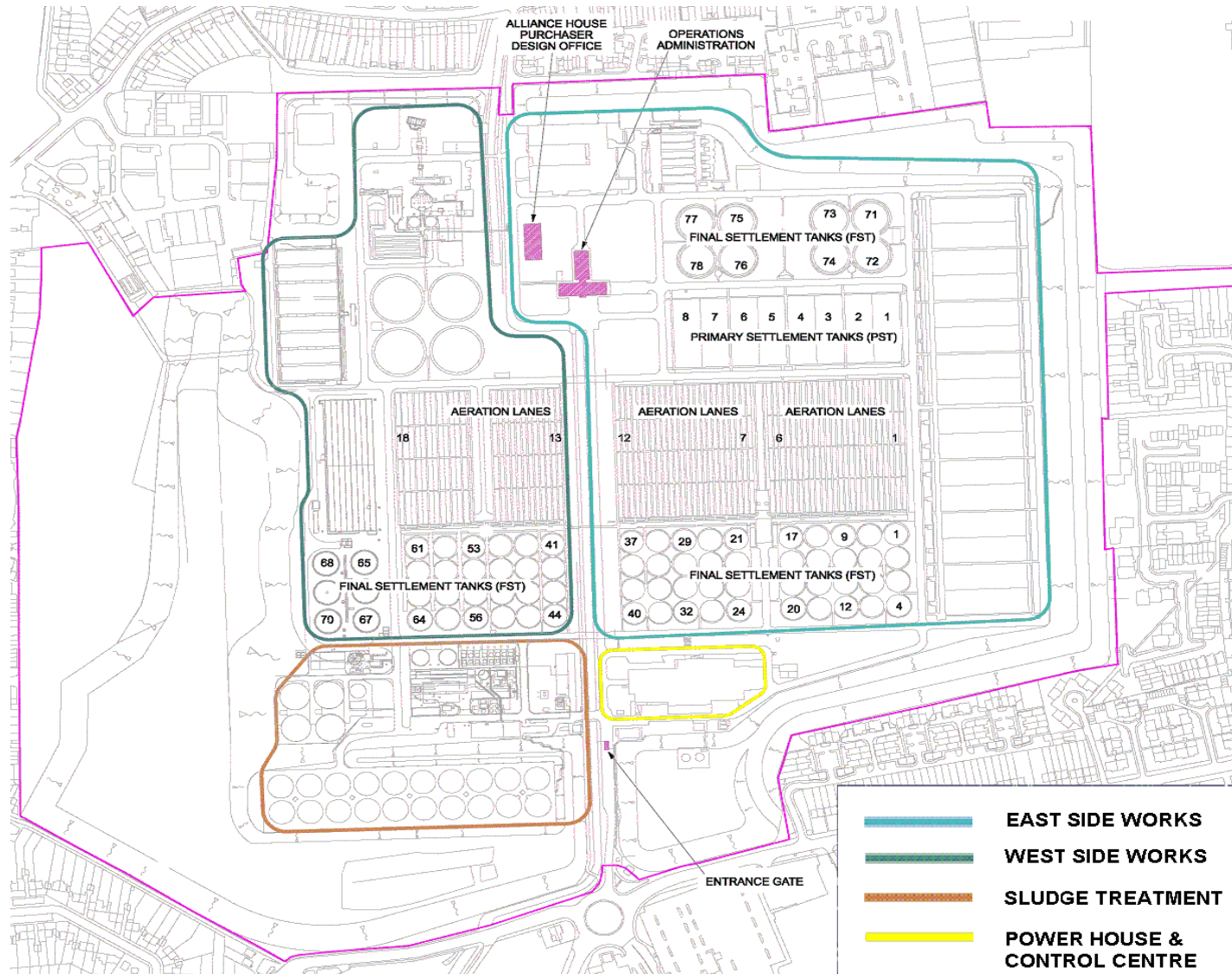
Odour Improvement Project



Odour Improvement Project

- Scope of Work:
- Cover Key Parts of the treatment process, including:
 - Inlet Works (East and West side of Mogden)
 - Primary Settlement Tanks (East Side)
 - Two Storm Tanks (East Side)
 - Independent tests have been used to decide which areas of the site to cover
 - Install equipment to extract and treat the odorous air from the covered areas:
 - Two new odour control units (East and West side)
 - Designed to robustly comply with the requirements of the odour abatement notice

Odour Improvement Project



Odour Improvement Project



Screen House (East)



Screen Handling Plant and Screening Sump (East)



Odour Improvement Project



**Screen Conveyors
(East)**

Thames Water



**Washpactors and
Screening Skips (East)**

Odour Improvement Project



Fine Screens (West)



Pre-Aeration Lanes (West)



Odour Improvement Project



CV Grit Channels and Dredgers (East)



Grit Skip Enclosure (East)



Cross Flow Grit Traps (West)
Thames Water



Grit Skip Enclosure (West)

Odour Improvement Project



Storm Weir (East)



Storm Tanks 4 & 5 (East)

Odour Improvement Project



Primary tanks (West)

Odour Improvement Project



Odour Control Unit (East)



Odour Control Unit (West)

What are we planning to achieve?



- We included investment to reduce odour at Mogden in our business plan, submitted to our regulator, OFWAT at our last price review (2004)
- In their price determination in 2005 OFWAT allowed us to increase bills to customers in order to fund Mogden odour improvements. This was based on a 66% reduction of odour (measured against the 2003 odour survey).
- In September 2008, OdourNet will be carrying out an odour survey to see if we have met the required reduction of odour.

Operation of Mogden- Update



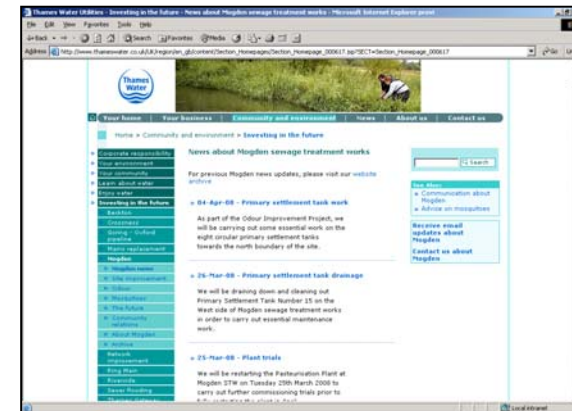
- Informative email notifications sent to residents (Apr – Sept 08)

- **11 Proactive Notifications:**

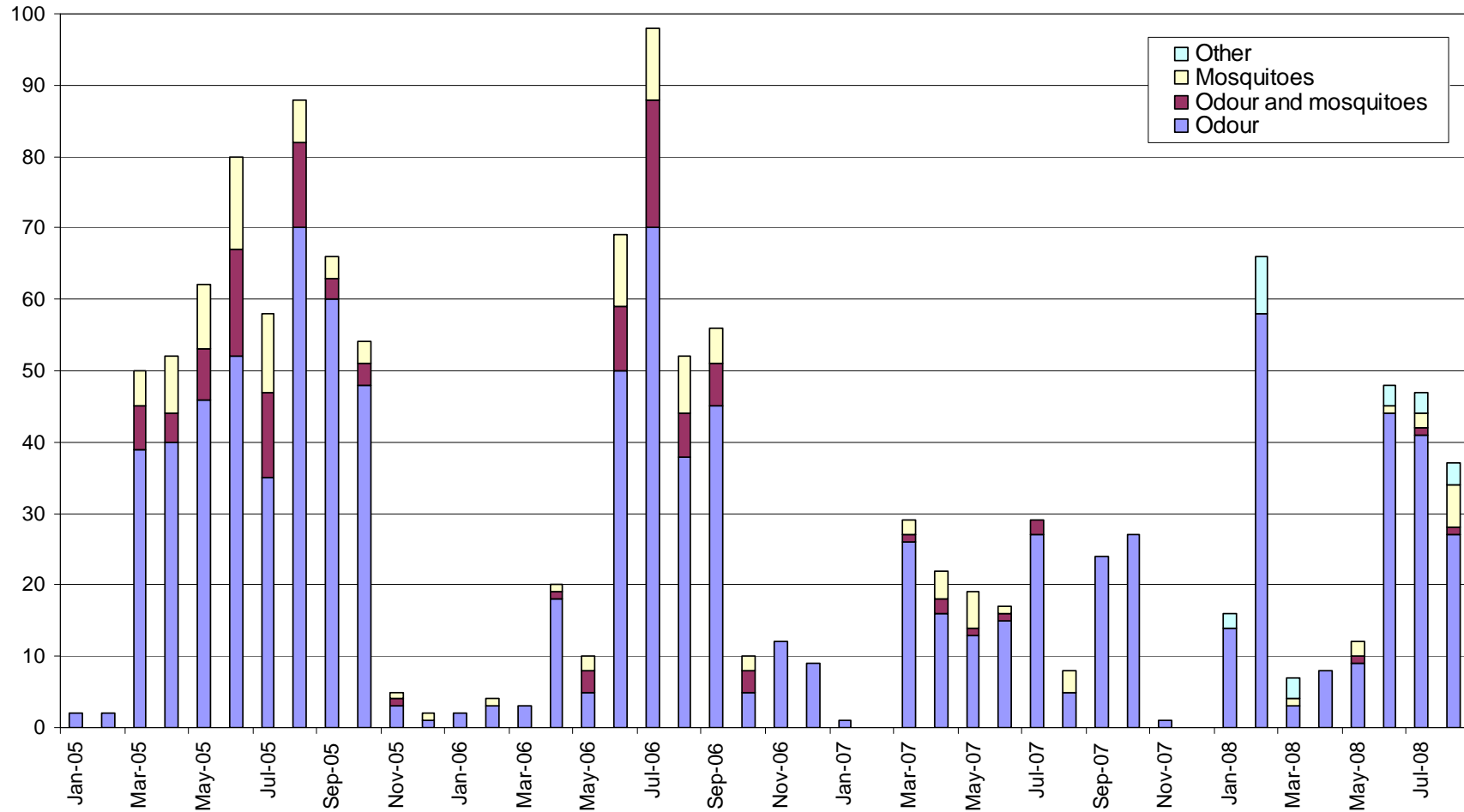
- Odour Improvement project works (x1)
- Site maintenance / cleaning works (x7)
- Plant trials (x1)

- **1 Reactive Notification**

- A sludge spill in May



Complaints Received at Mogden

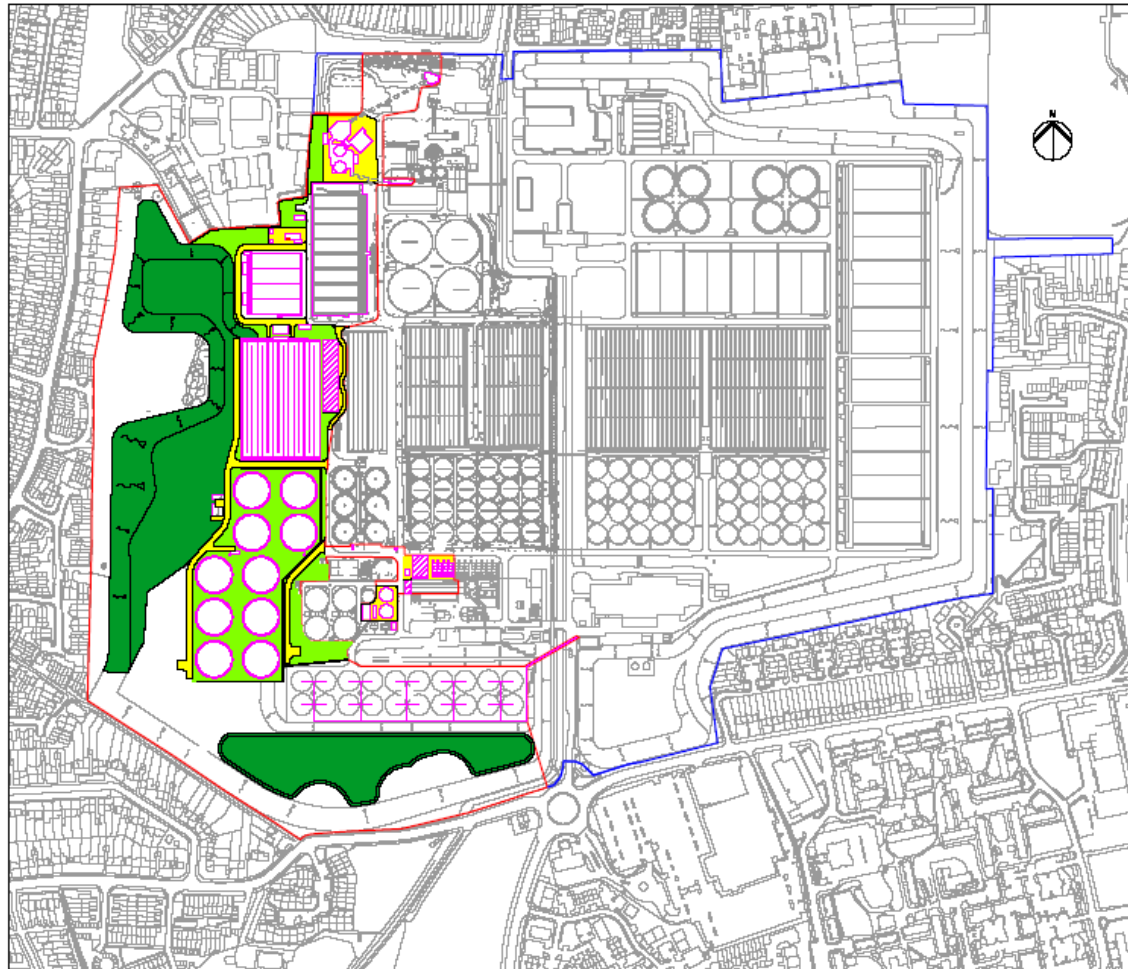


Working for a cleaner Thames- Update



- 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 scope of works include:
 - A new, covered inlet works
 - New, covered primary tanks
 - New aeration lanes
- The new works will be odour neutral
- A planning application was submitted to LB Hounslow in May 2008

Preferred Solution for Mogden



- Area of development.
- Other land in applicants ownership.
- ▨ Buildings.
- ▭ Site roads / hardstanding.
- ▭ Above ground structures.
- New & re-profiled embankment.
- Soft landscaped areas.



Mosquitoes

Controlling Mosquitoes at Mogden

- We operate a strict all year-round mosquito survey and control programme
- In 2007 Thames Water launched a mosquito project that focussed on physically altering breeding sites at Mogden STW. The project also improved access to the breeding areas for surveying and control.

Identifying breeding sites

- 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 160 sites



Control

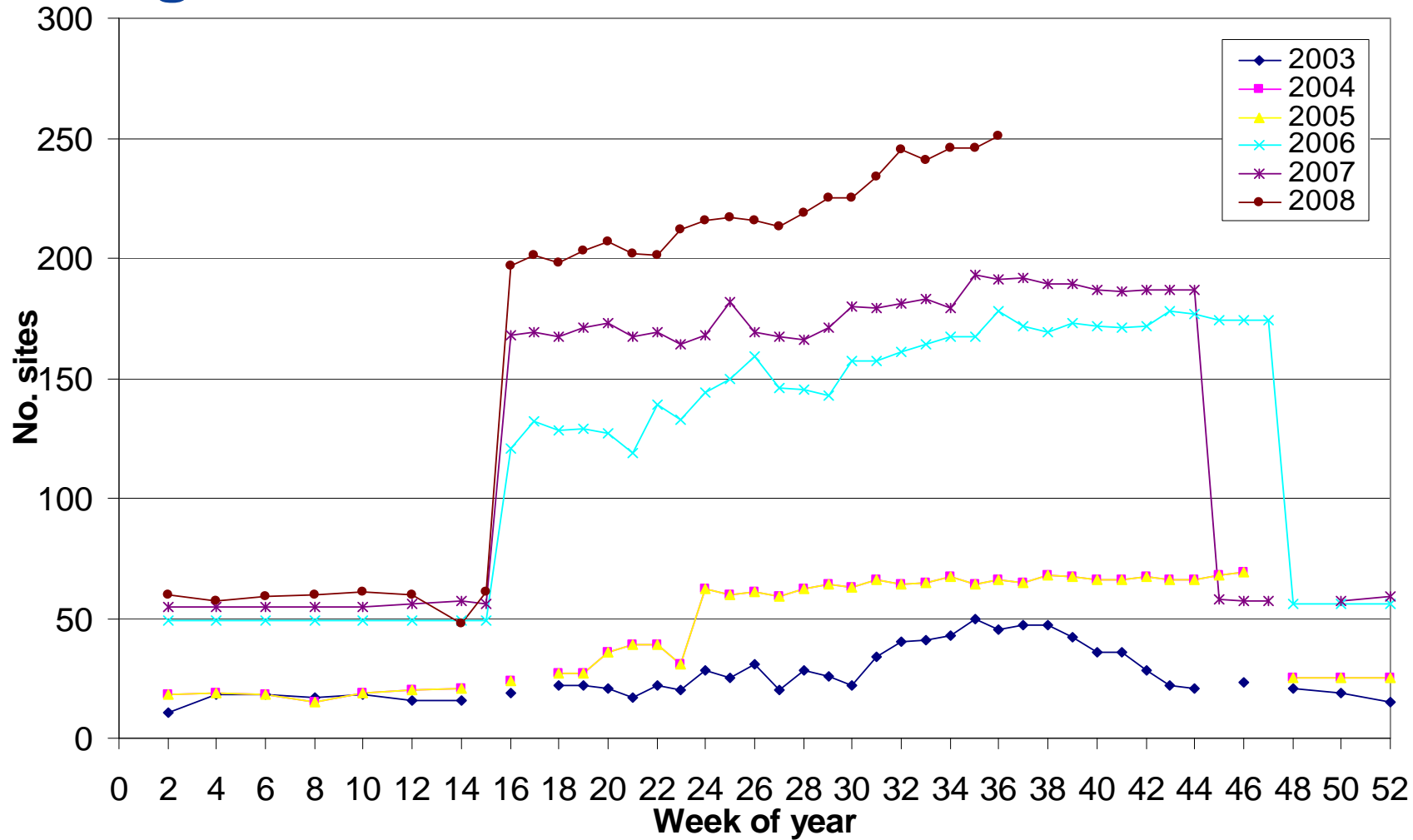
- We use a number of different methods to control mosquitoes
 - **Physical** - Removing stagnant water breeding sites, for example unblocking drains.
 - **Biological** - Using natural methods of control such as bacterial spraying of larvae
 - **Mechanical** - Using ultraviolet light traps that 'zap' 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

Education and Communication

- We have been working with the local authorities on this year's mosquito advice leaflet. Copies were sent to over 17,000 local residents.
- More information can be found on our website

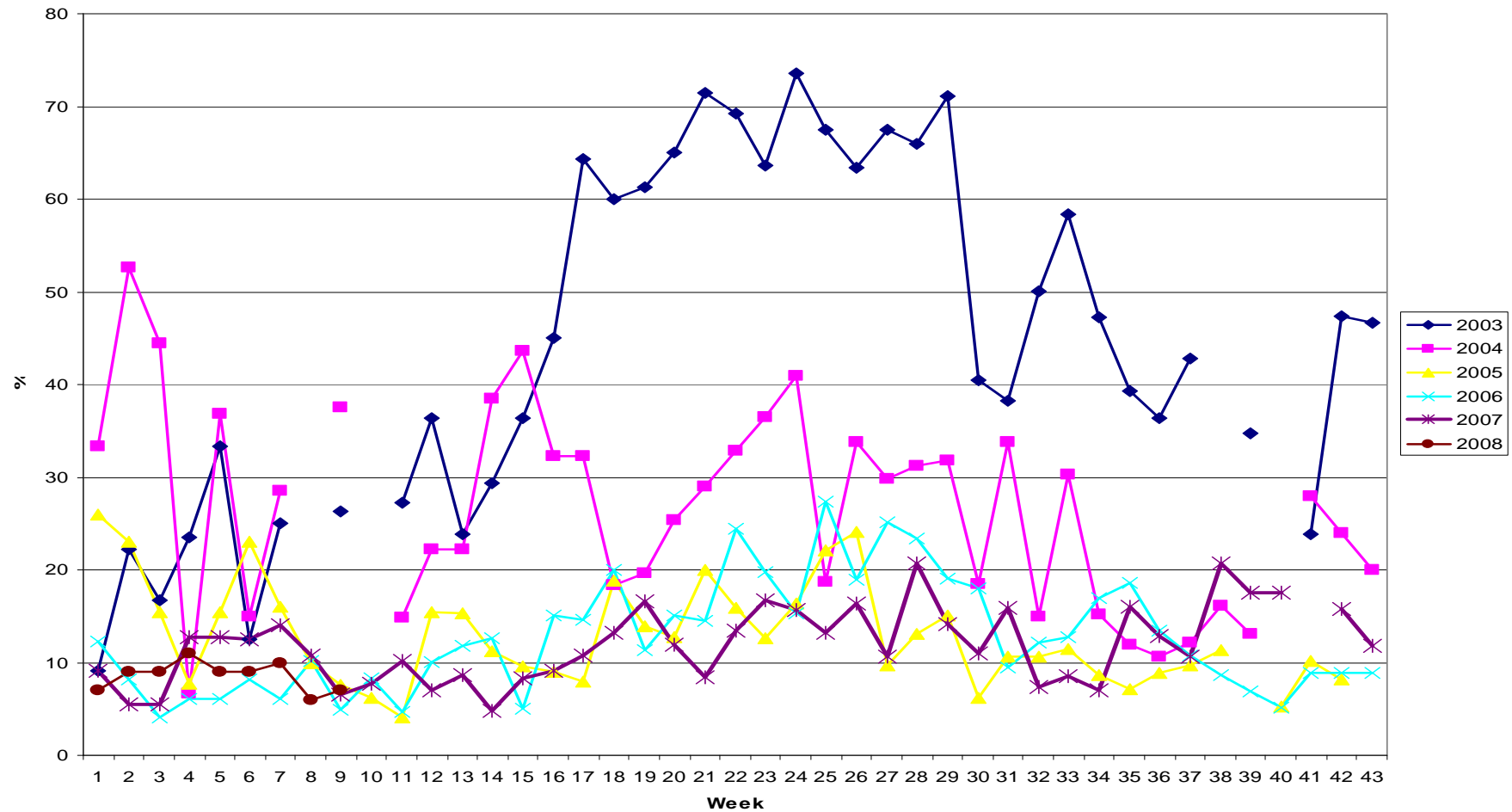


Number of sites inspected for Mosquitoes at Mogden

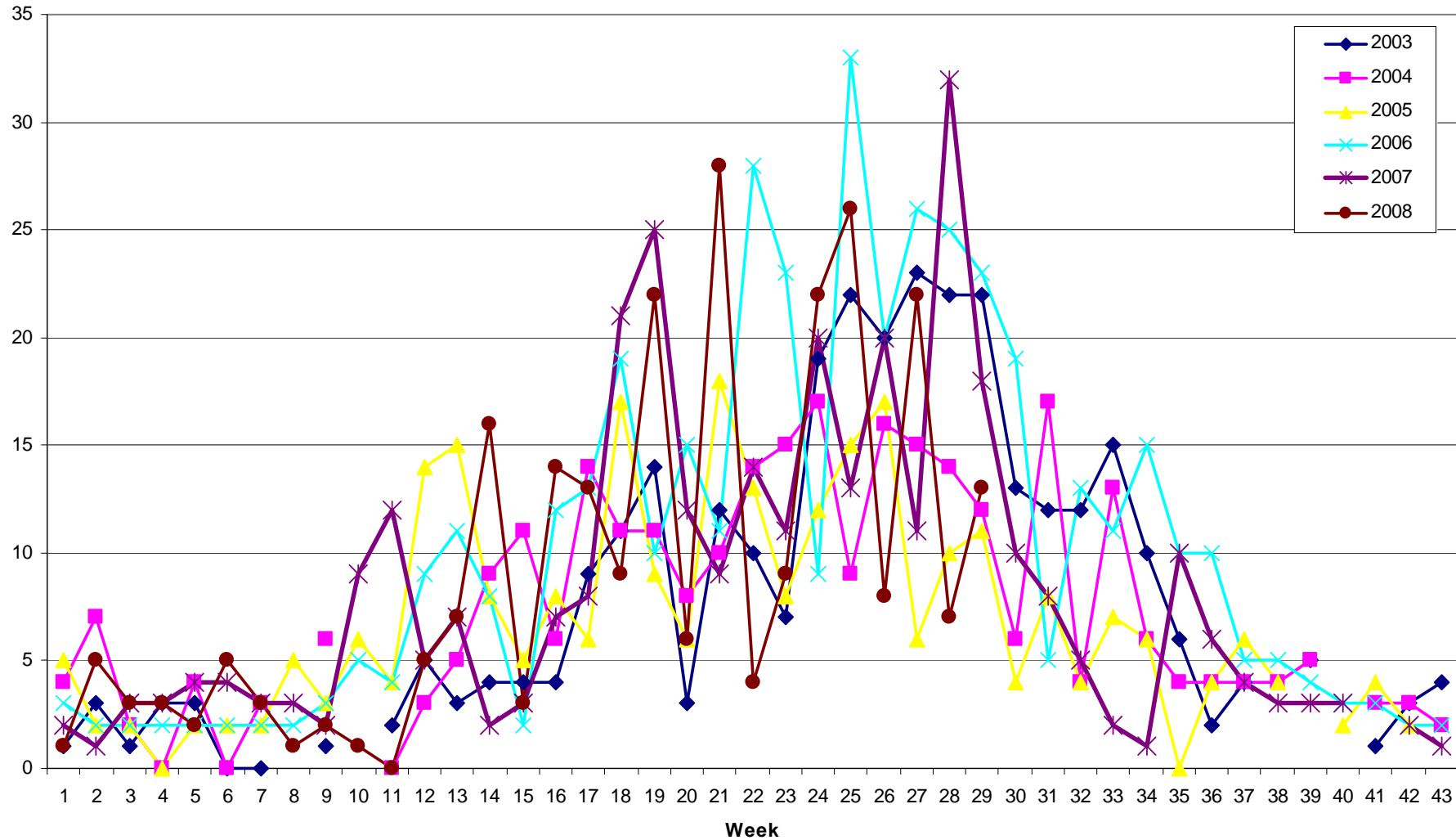




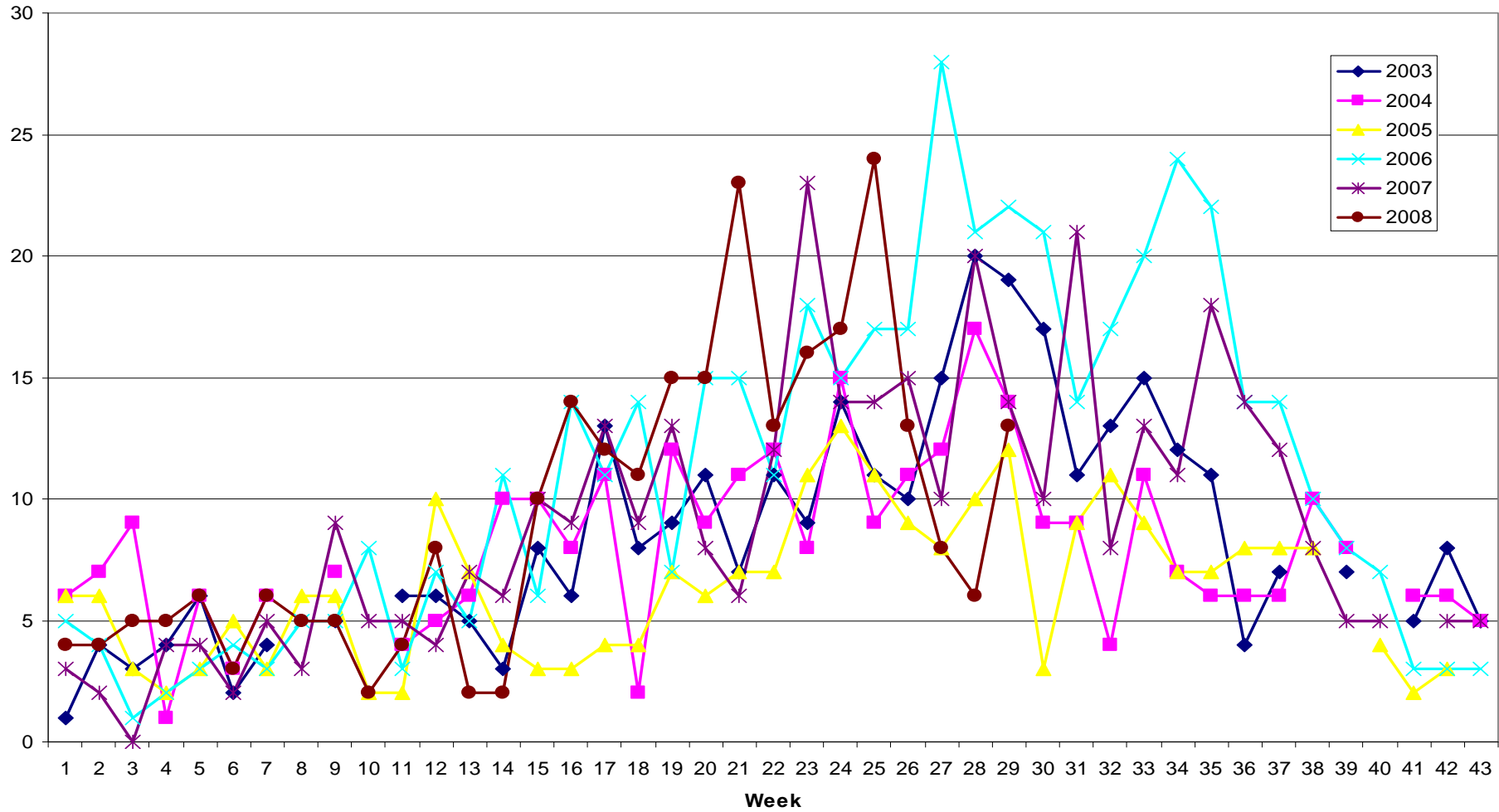
Percentage of sites surveyed, found to contain Mosquito activity



Number of sites where larvae have been found



Number of sites where Adult Mosquitoes have been found





Thames Water



Communication

Communications



- **E-Mail notifications**

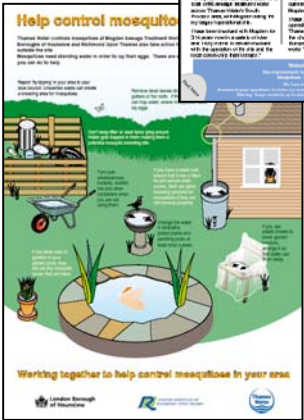
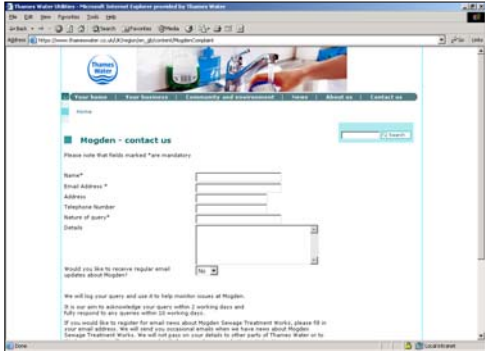
Informing residents of possible increase in odour

- **Mogden Newsletter:**

Updating residents with site news and progress on the Odour Improvement Project

- **Mosquito Campaign:**

‘Help control mosquitoes in your area’



Find out more...



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

- Call our Customer Centre, our lines are always open

0845 9200 800



- Visit our regularly updated website

www.thameswater.co.uk/mogden



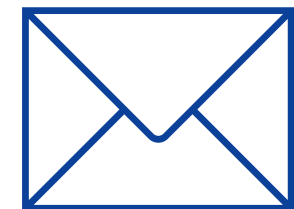
- Send a letter to

Thames Water

PO Box 463

Swindon

SN38 1TU





Any Other Business

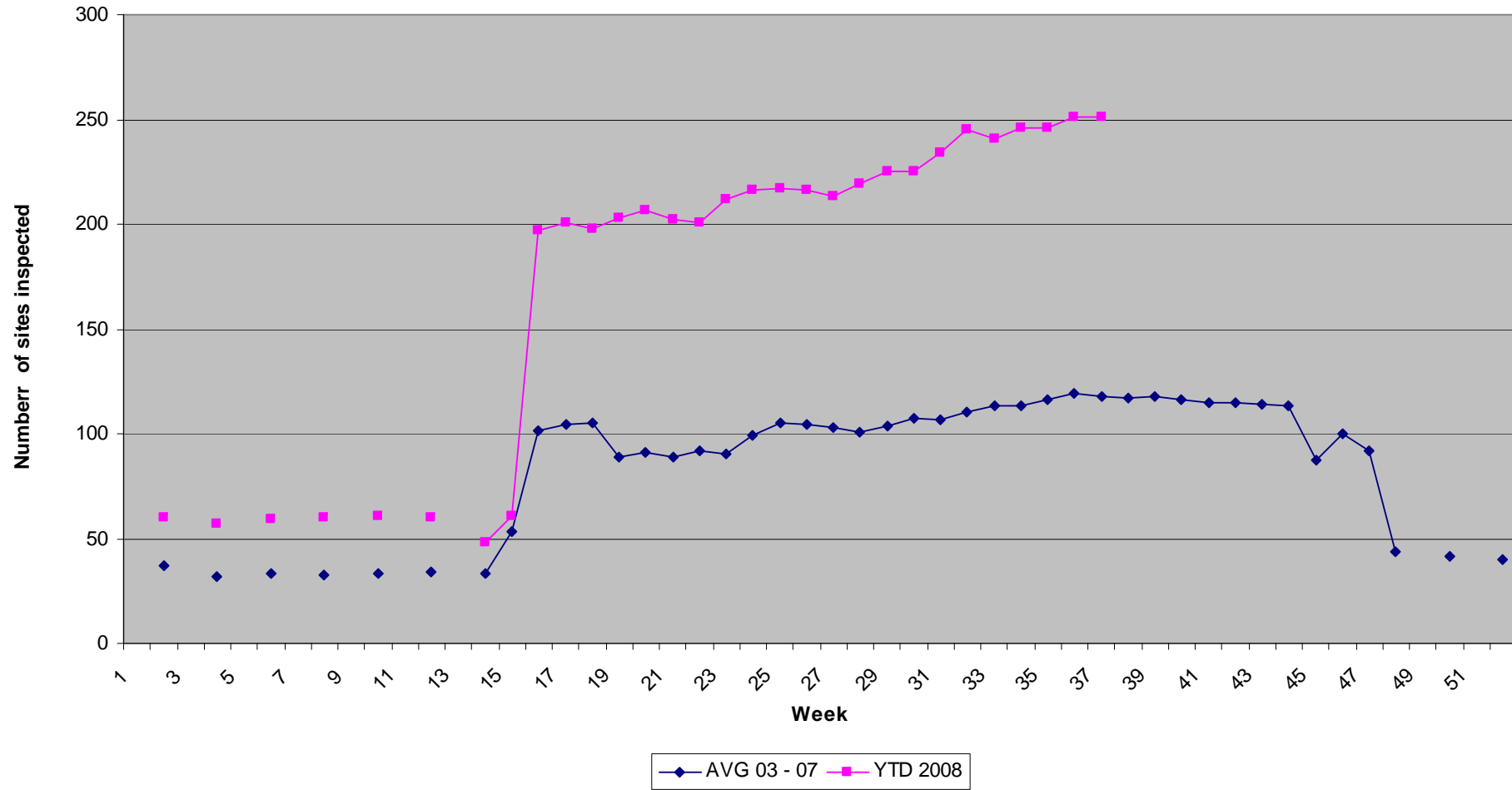
**Proposed Date of Next Meeting-
December 2008**



Additional mosquito data slides

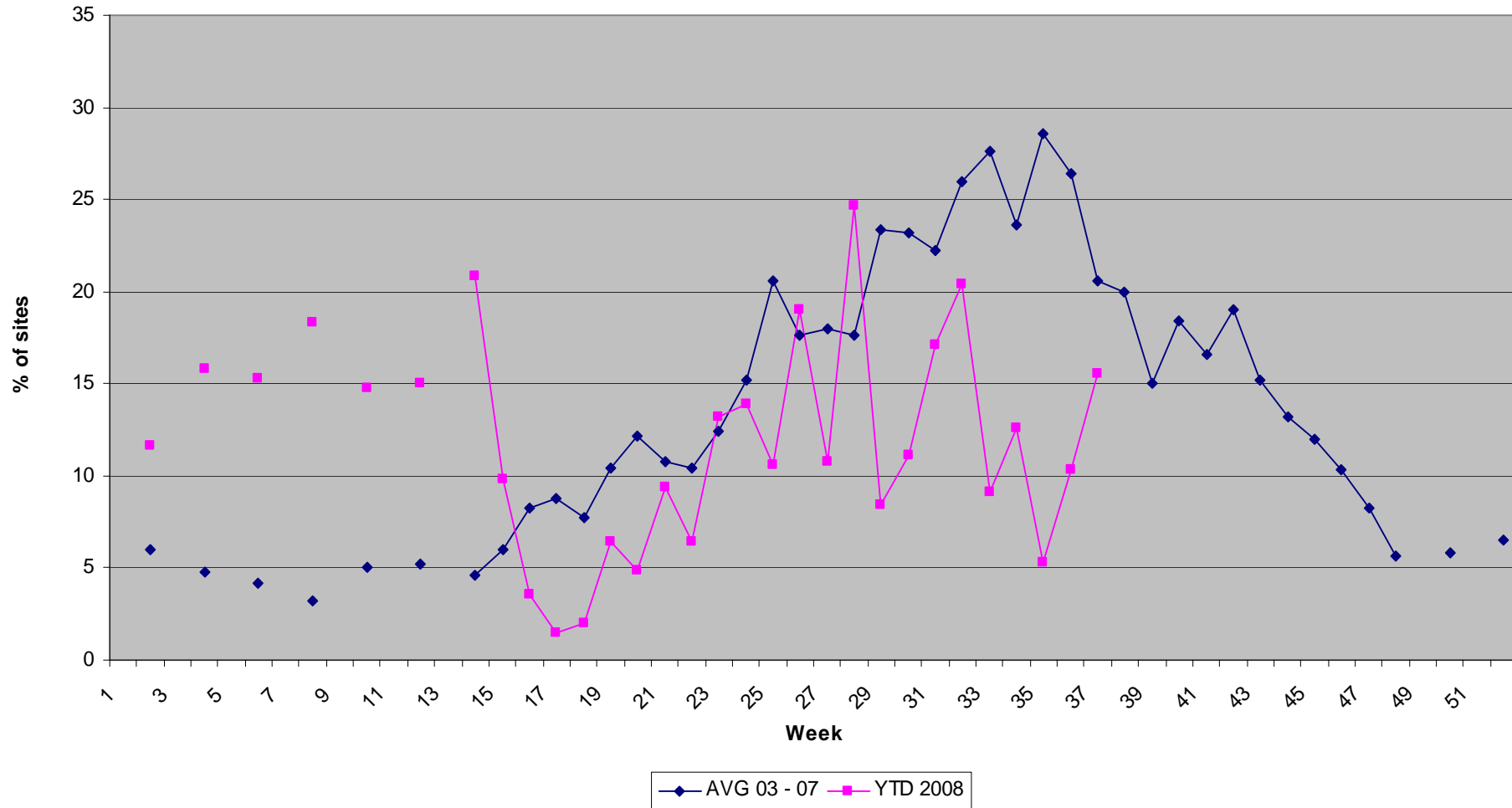


Number of sites inspected



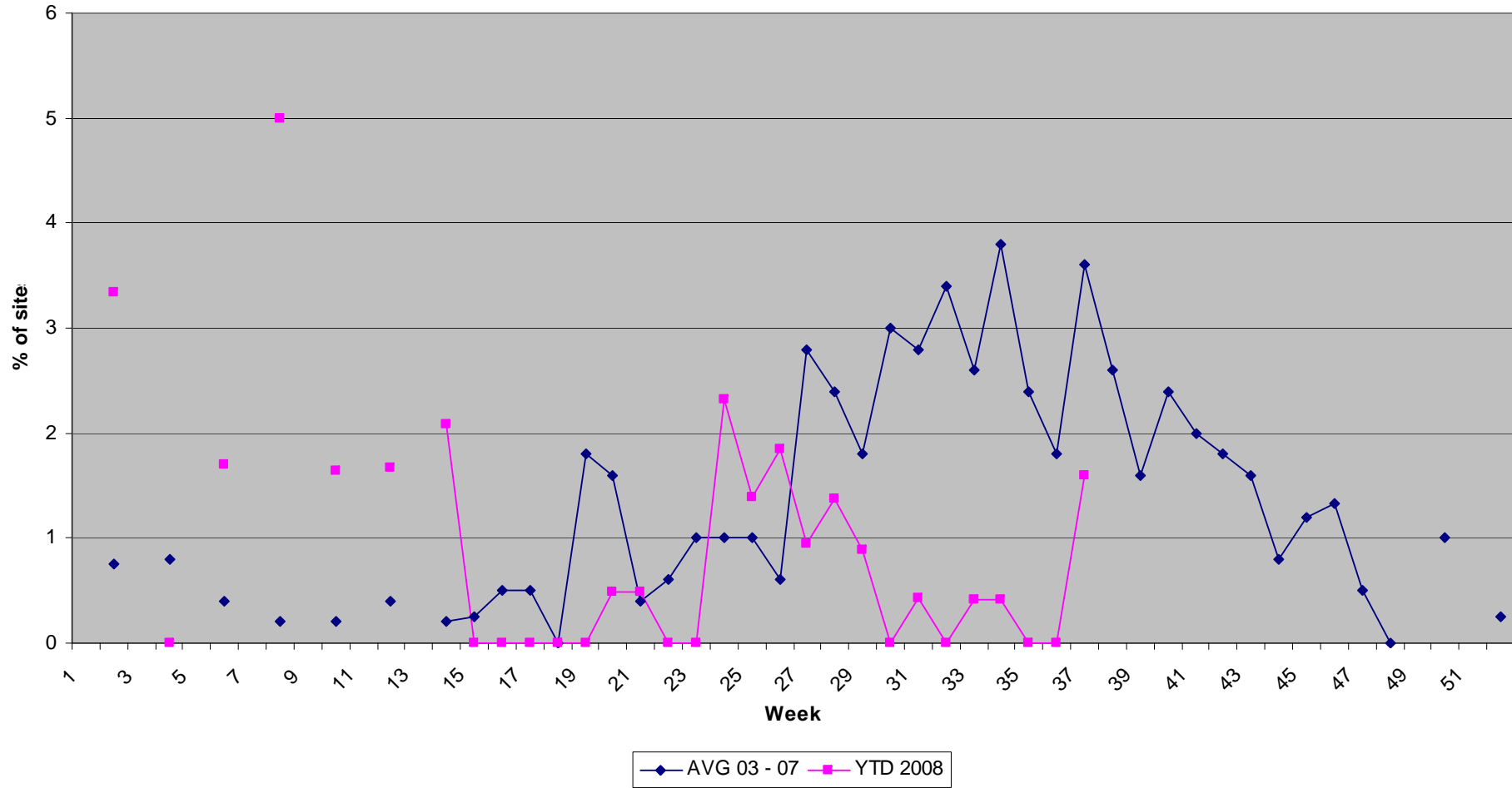


Percentage of sites showing any activity





Percentage of sites where many adults have been found





Percentage of sites where larvae have been found

