



Odour Improvement Project



Mogden Sewage Treatment Works

Residents' Liaison Meeting

26 September 2007

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 what 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.



Agenda

17:15

Site walk-around

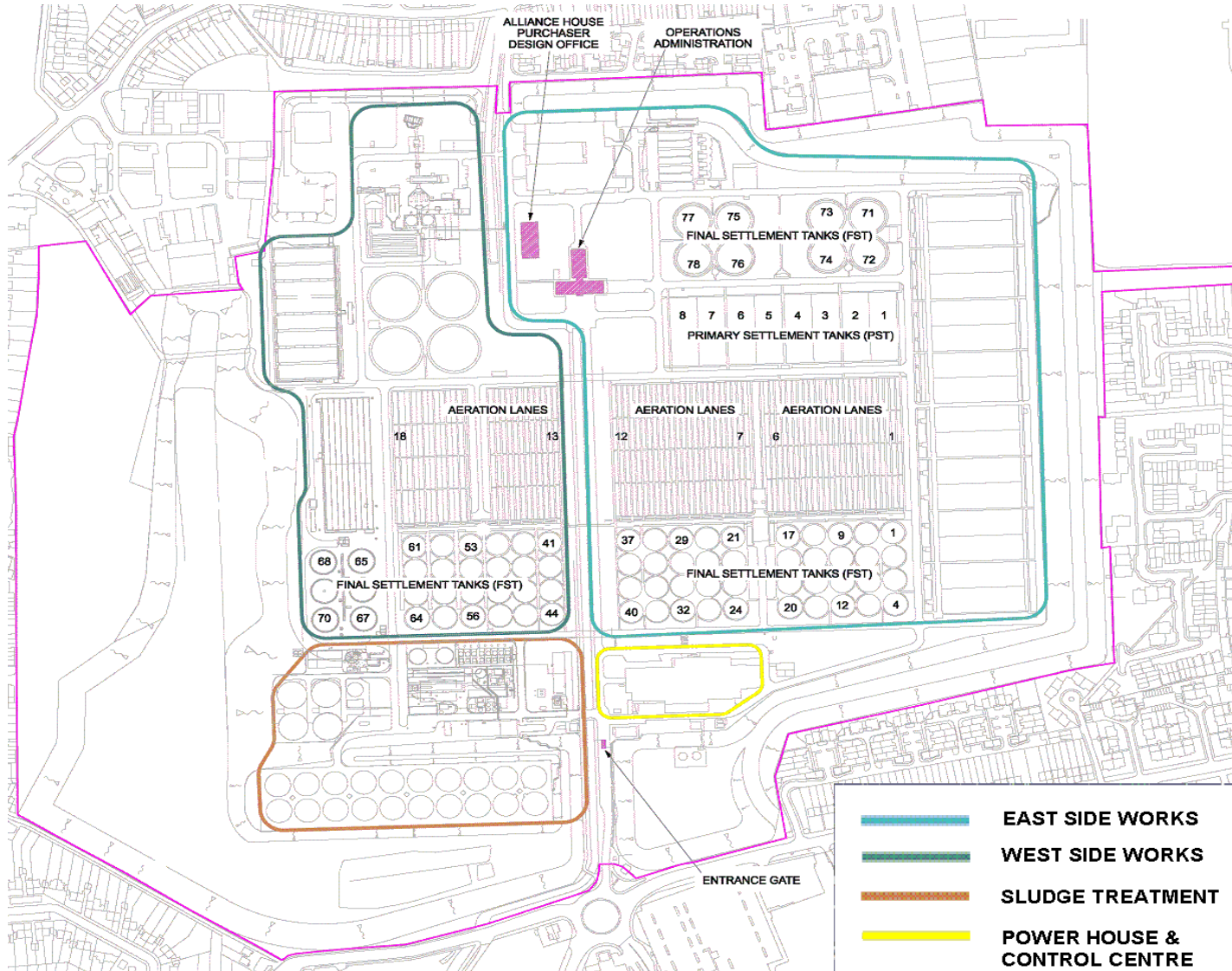
18:15

1. Apologies
2. Odour Improvement Project
3. Odour
4. Mosquitoes
5. Working for a cleaner Thames
6. Further points raised by residents
7. Communications
8. Any other business and date of next meeting

20:15

Meeting Close

Progress of Works



East Works Progress



AREA	PROGRESS
Inlet Penstocks	100%
Screenhouse & Screens	90%
Screenings Handling Plant	95%
Grit Channels	70%
Storm Weir	95%
Grit Handling Plant	80%
Storm Tanks 4 and 5	95%
Circular PSTs (Decommission)	0%
Rectangular SSTs	65%
Odour Control Unit (Chemical)	100%

Screenings Handling Plant



CV Grit Channels 1 and 2



Storm Weir



Grit Handling Plant



Storm Tank 5



Secondary Settlement Tanks 2 & 3



Secondary Settlement Tank 4



Secondary Settlement Tank 1



East Odour Control Unit



West Works Progress



AREA	PROGRESS
Chambers Upstream of Screens	100%
Fine Screens	70%
Cross Flow Grit Traps	95%
Washpactors and Skip Loaders	100%
Grit Handling Plant	70%
Screw Pumps	100%
Pre-Aeration Lanes	100%
Odour Control Unit (Biological)	90%

Cross Flow Grit Traps



Pre-Aeration Lanes



Noise Update



- Noise attenuator installed on 17 May 2007 (pictured)
- Significant noise reduction on site
- Final noise survey to be undertaken tonight (26/09/07), commencing at 9:00pm



Operation of Mogden- Update



■ Informative email notifications sent to residents:

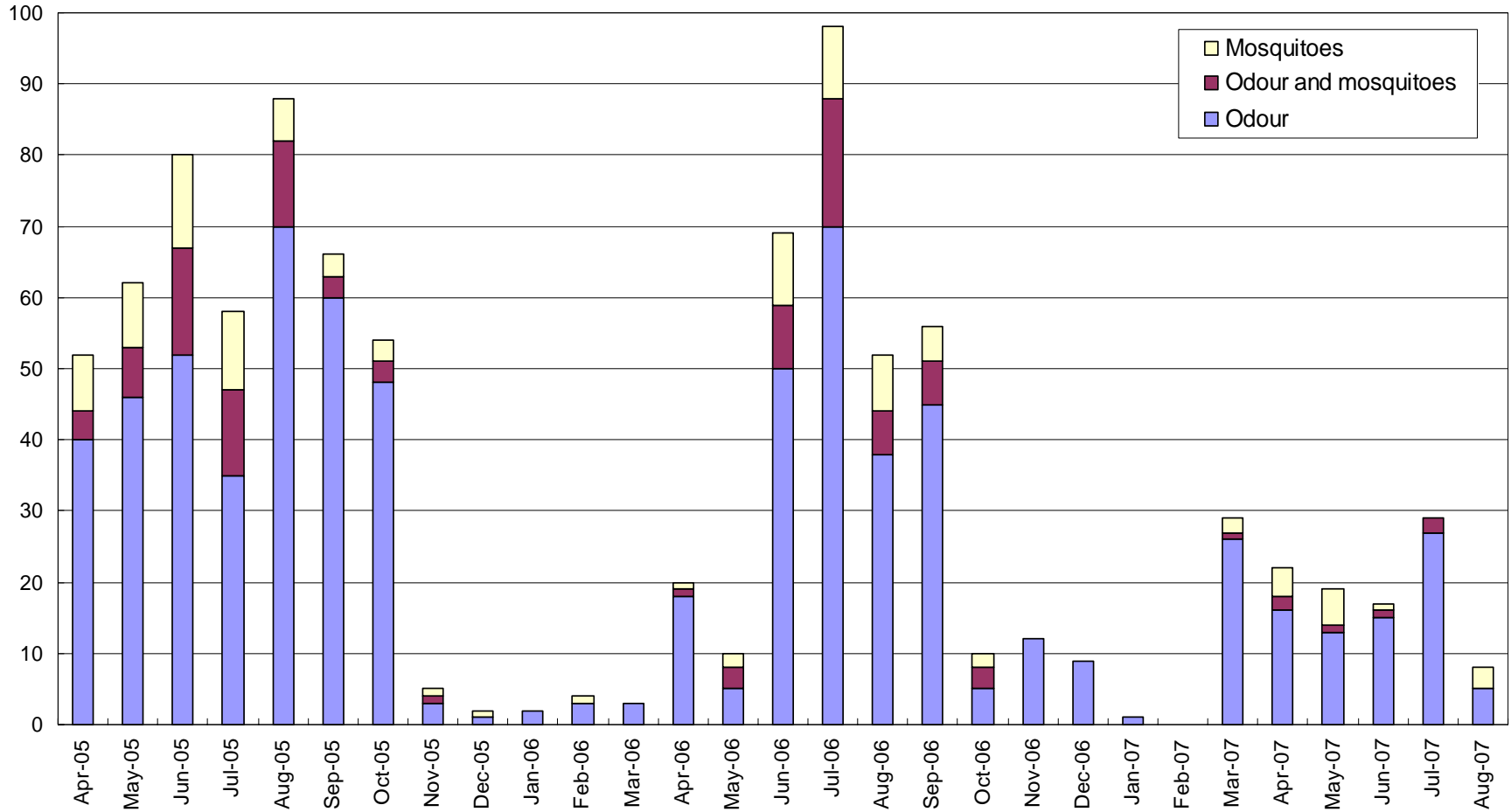
■ 17 Proactive Notifications:

- Odour Improvement project works (x12)
- Site Maintenance works (x5)

■ 2 Reactive Notifications:

- Interruption to Power Supply
- Channel Cleaning

Complaints Received at Mogden



N.B Figures reported to 31 August 07

Mosquitoes

Surveying and controlling Mosquitoes at Mogden



- Strict year-round programme to survey and control mosquitoes
- Summer surveying and treatment programme began in mid-April 07:
 - Weekly Surveys
 - Target Summer breeding sites
 - Mosquito treatment:
 - Less than two days after the weekly survey
 - Controls regular breeding sites & ad hoc sites as identified in the surveys
 - Spraying near standing water

Methods of Mosquito control at Mogden

■ Physical

- Site housekeeping- Removing Mosquito breeding sites

■ Biological

- Spraying Mosquito larvae with bacteria

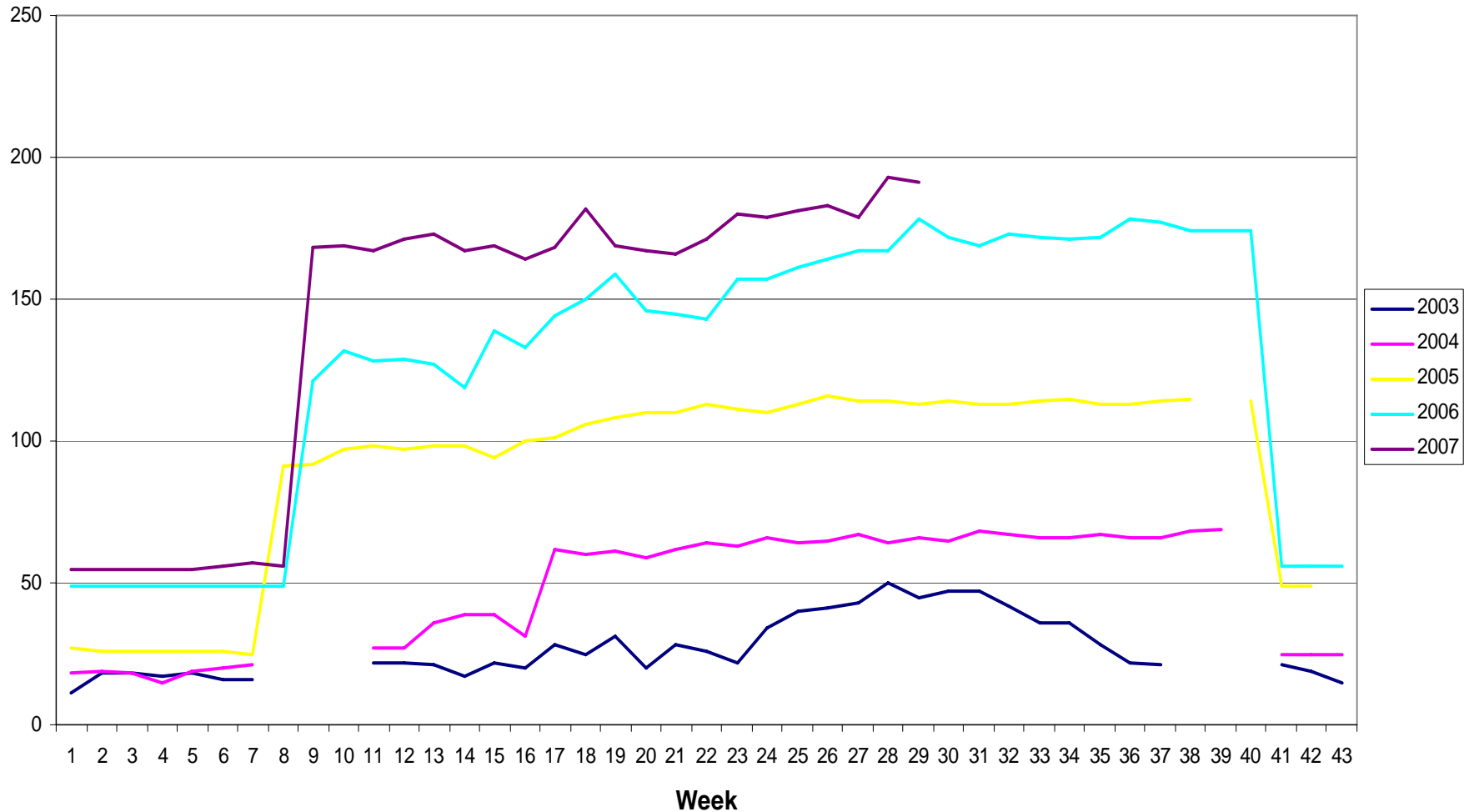
■ Mechanical

- Using ultraviolet insect traps

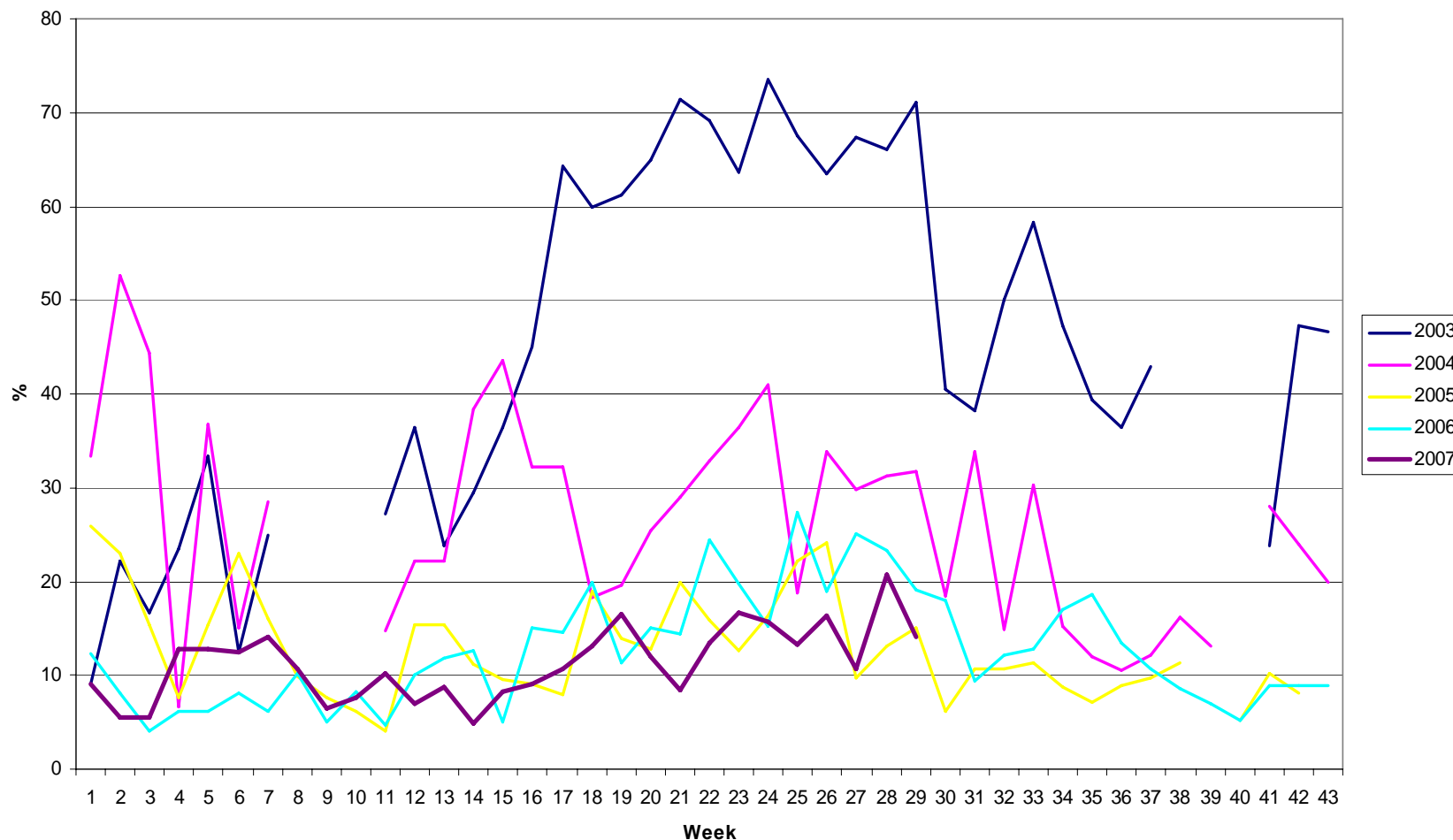
■ Chemical

- Controlling adult Mosquitoes with pesticides

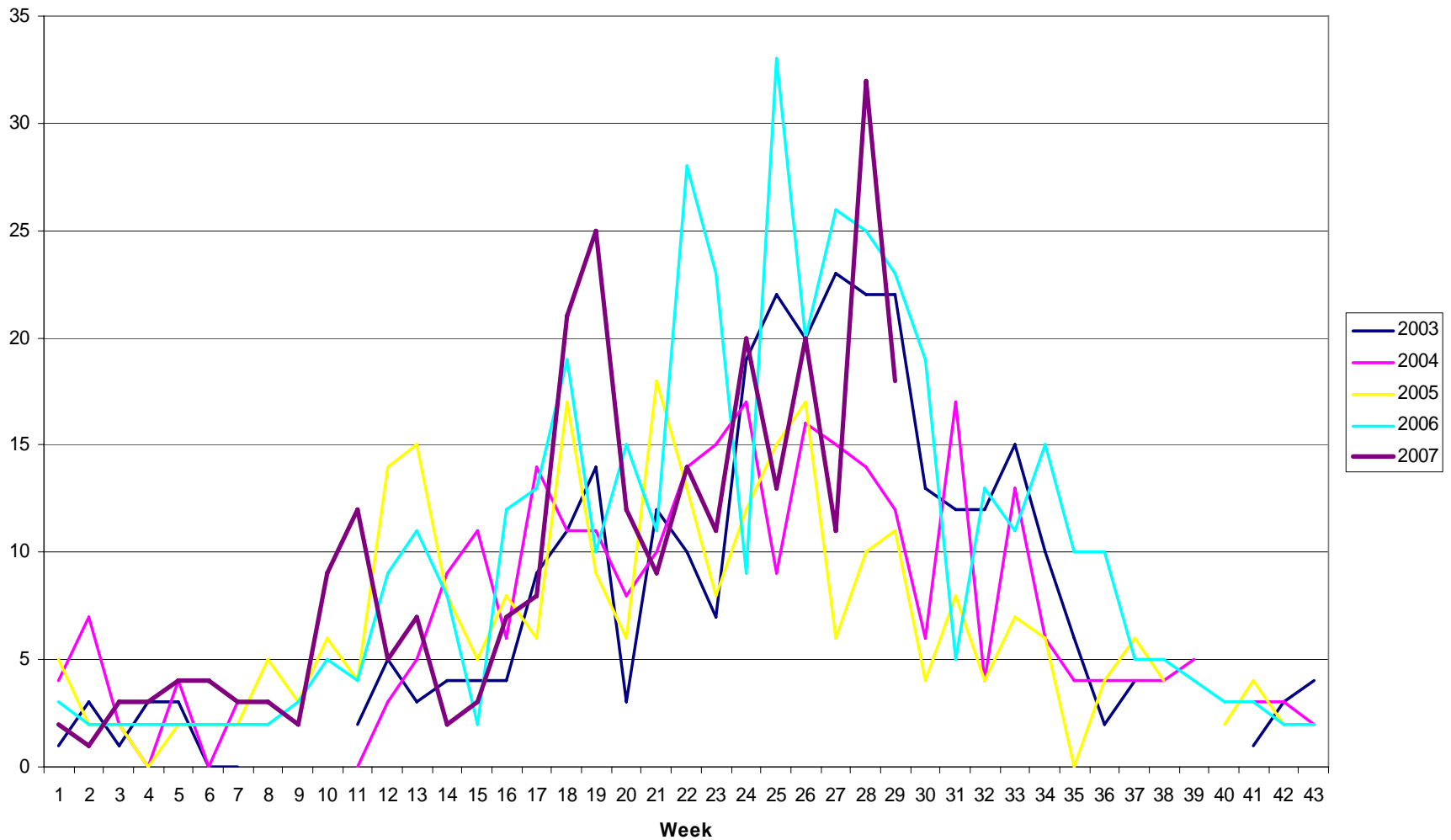
Number of sites inspected for Mosquitoes at Mogden



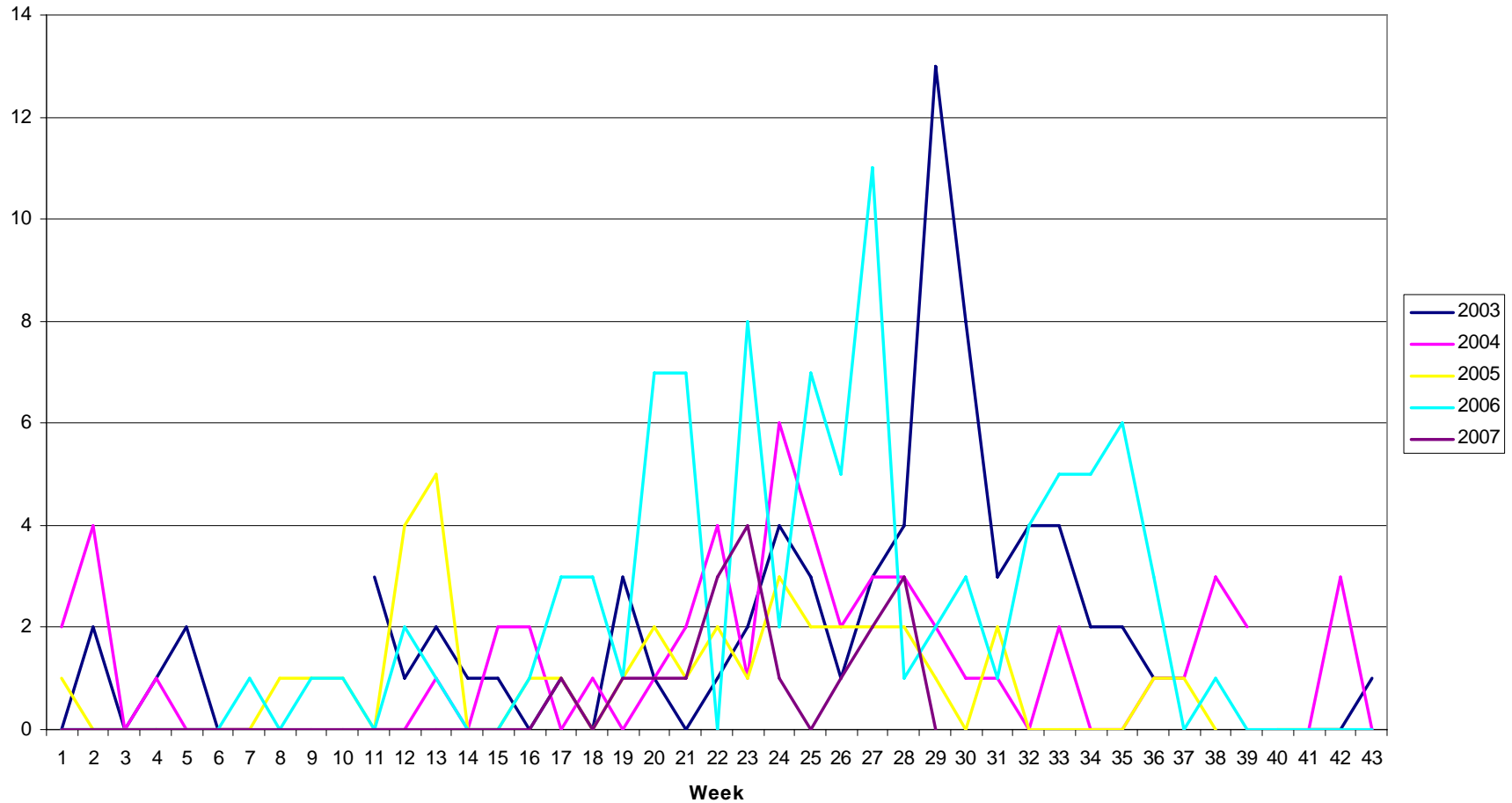
Percentage of sites surveyed found to contain Mosquito activity



Number of sites where larvae have been found



Number of sites where Adult Mosquitoes have been found



Mosquito Project 2007



■ Project Scope:

Target the main over-wintering sites:

- Digester galleries, aeration galleries, main pumping station drywell, power house basement & pumping stations 4 & 5

■ Project aim:

- To physically alter sites to reduce the number of places where Mosquitoes can breed and to make control work easier

■ Project commenced in March 2007



Working for a Cleaner Thames

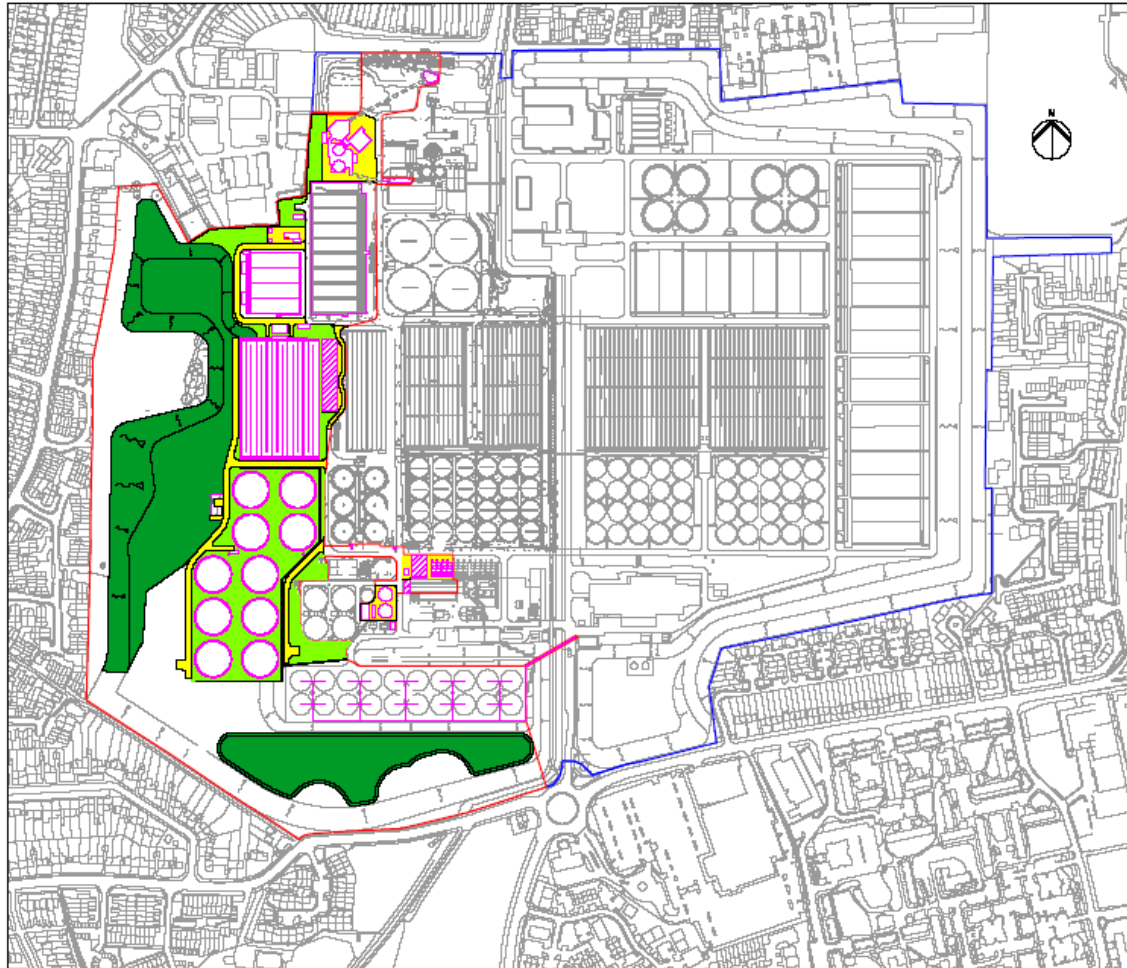


Working for a cleaner Thames- Update

- Proposed site improvement works:
 - Increase the amount of flow that can be fully treated
 - Less use of storm tanks
 - Includes new covered inlet works, covered primary tanks and new aeration lanes
 - Odour control of the new works

- Reduce the likelihood of overflows from the works to the River Thames
- To help boost oxygen levels in the tidal Thames
- Improving the water quality and the habitats for aquatic life

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.
- Earth retaining wall.

Working for a cleaner Thames- Update



■ Timescales:

- Planning Application: TBC- Delay due to finalisation of details
- Proposed construction date: Spring/Summer 2008
- Complete and operational: Spring/Summer 2012

■ Public displays were held in Isleworth Public Library on the 21st, 22nd and 24th of May 2007:

- Well received by local residents and businesses
- Questions answered by Thames Water representatives
- Comments Book completed



Further points raised by residents



Communication

Communication



■ E-mail notifications:

- Informing residents of possible increase in odour

■ Mogden newsletter:

- Updating residents with progress on the odour improvement project
- To be distributed by end September/Beginning October 2007

■ Mosquito Campaign:

- 'Help control mosquitoes in your area'

Communication



■ Contact us about Mogden:

■ Via the customer centre: 0845 9200 800

■ Through our website:

www.thameswater.co.uk/mogden

■ By post: Thames Water, PO Box 436, Swindon, SN38 1TU



■ Visit our website:

■ Categorized 'Answers to your questions' webpage

■ Mogden weekly site log webpage (includes regular updates of the Odour Improvement project)





Thank You