

Environment Agency Management of the River Thames and flood risk

Maria Herlihy: Operations Manager

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Bathymetric Surveys & Shoal Removal



- Shoal removal at Sunbury in 2016
- Regular programme of bathymetric surveys and shoal removal
- Middle third of the Thames only, the Navigation

Dredging

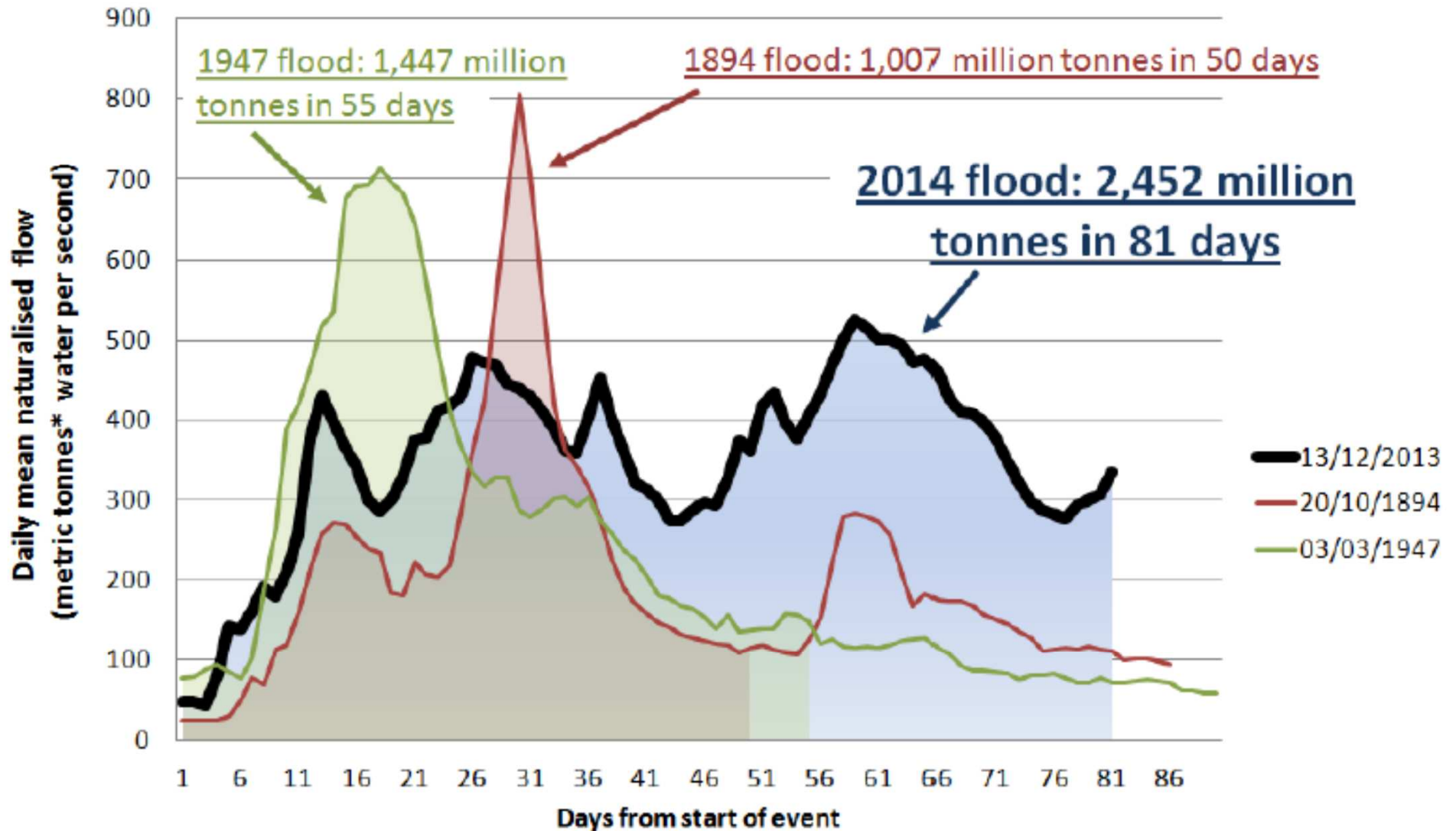


- Historic agricultural land use
- A need to drain the land for farming
- Systematic dredging of the Thames up to the 1990's.
- Changing land use late 20th century and into 21st Century
- Changes in government policy
- Ensure good value for money

Silt flushed out to sea in 2014 floods



Comparison of the largest flood events on the River Thames at Kingston



Prepared by Chris Beales, Environment Agency - Evidence South East - 4 Mar 2014. Notice flows for recent event are unverified and may be subject to change. *1 metric tonne = 1 cubic metre

River Thames Scheme

Meeting 1 Goddard Room 29 January 2018. 4pm – 5pm

Staines Ward - This meeting will focus on the scheme upstream of channel 2

Meeting 2. Goddard Room 29 January 2018. 6pm – 7pm

Meeting 3. Trevor baker Room 1 February 2018. 4pm – 5pm

Riverside & Laleham Ward

Laleham & Shepperton Green Ward

Shepperton Town Ward

Both of these meetings will cover Channel 2 and 3 of the RTS

Meeting 4. Trevor Baker Room 5 February 2018. 4pm – 5pm

Haliford & Sunbury West Ward

Sunbury East Ward

This meeting will cover the weir works and downstream of the Desborough Cut

There will be a short presentation explaining flooding in Spelthorne, how the scheme works, cost and benefits including local factors and community resilience. This will be followed by a Q&A session.

Floating Pennywort



- Picture shows removal at Sonning
- 50 tonnes removed Autumn 2017
- Clearance at Rivermead Island, Sunbury, happening this week
- Spraying programme starts in Spring

Report sightings of invasive species to thameswestfrb@environment-agency.gov.uk, or via the plant tracker app on android or iOS.

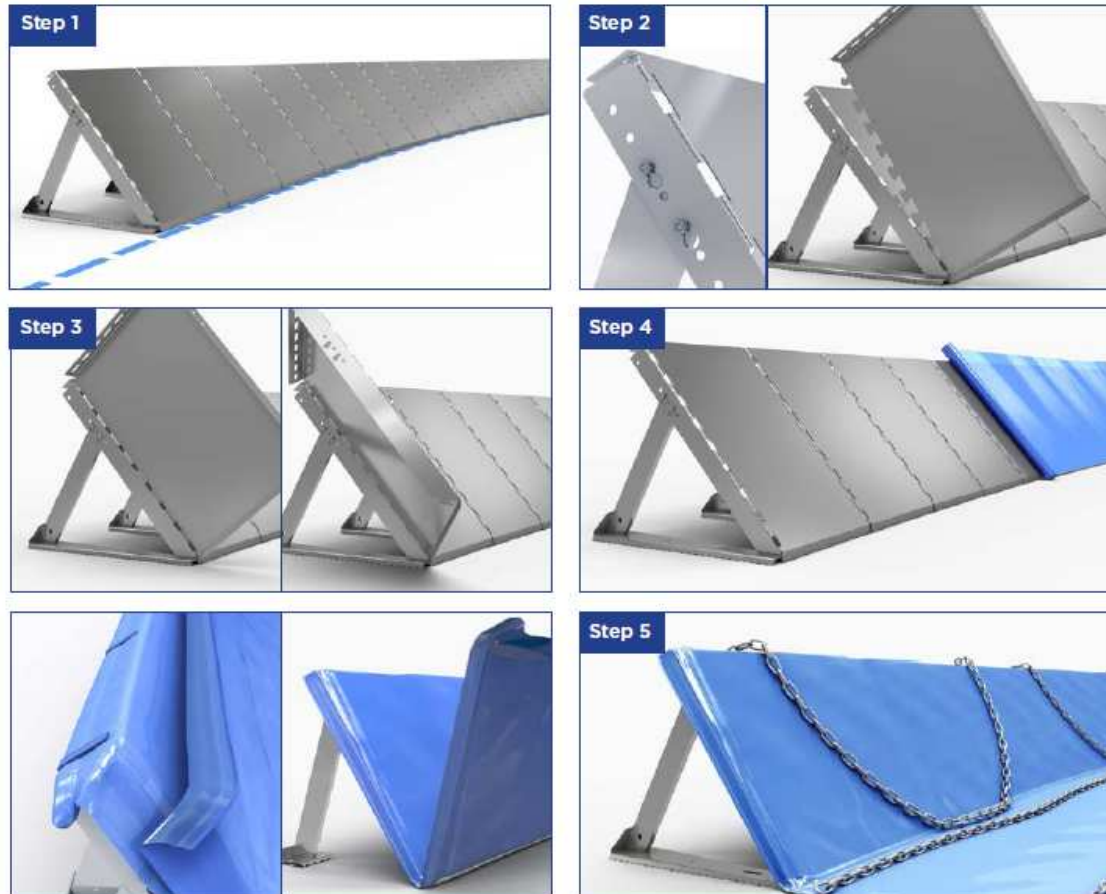
Maintenance Programme 2018

- Our following assets in Spelthorne are on our 2018-19 maintenance programme
 - Shepperton Weir A and B: Replace rubber seals on weir and formalise fishing platform and access
 - Sunbury Weir B & Lock Island: replace weir summer boards & improve site security

Temporary flood defences

- Improved flood mapping & forecasting. Can do more in advance
- Reduce risk of flooding to communities, preparing plans we can implement
- Will not use temporary defences if a risk they may be unsuccessful
- May use temporary defences to reduce risk of flooding from rivers where:
 - they are technically and economically viable
 - our flood forecasting provides enough lead time to deploy the defences
 - it will not make the situation worse for others
 - there is support from local authority, partner organisations & community
- Cannot guarantee temporary defences will all be used. Will depend on circumstances at the time

Temporary flood defences



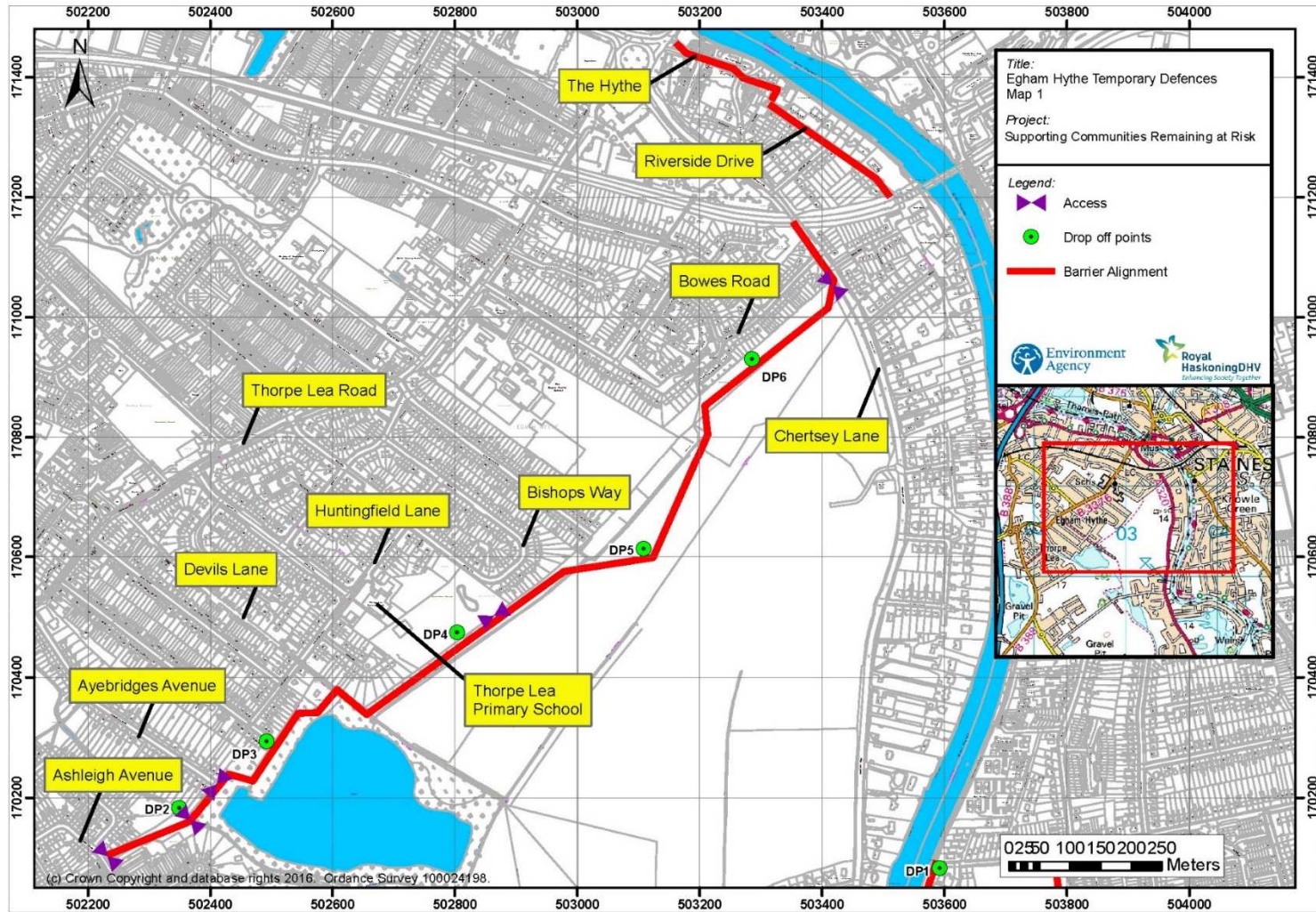
Aquobex K50 is a temporary (or portable) flood barrier, requiring no permanent ground fixings.

Temporary flood defences

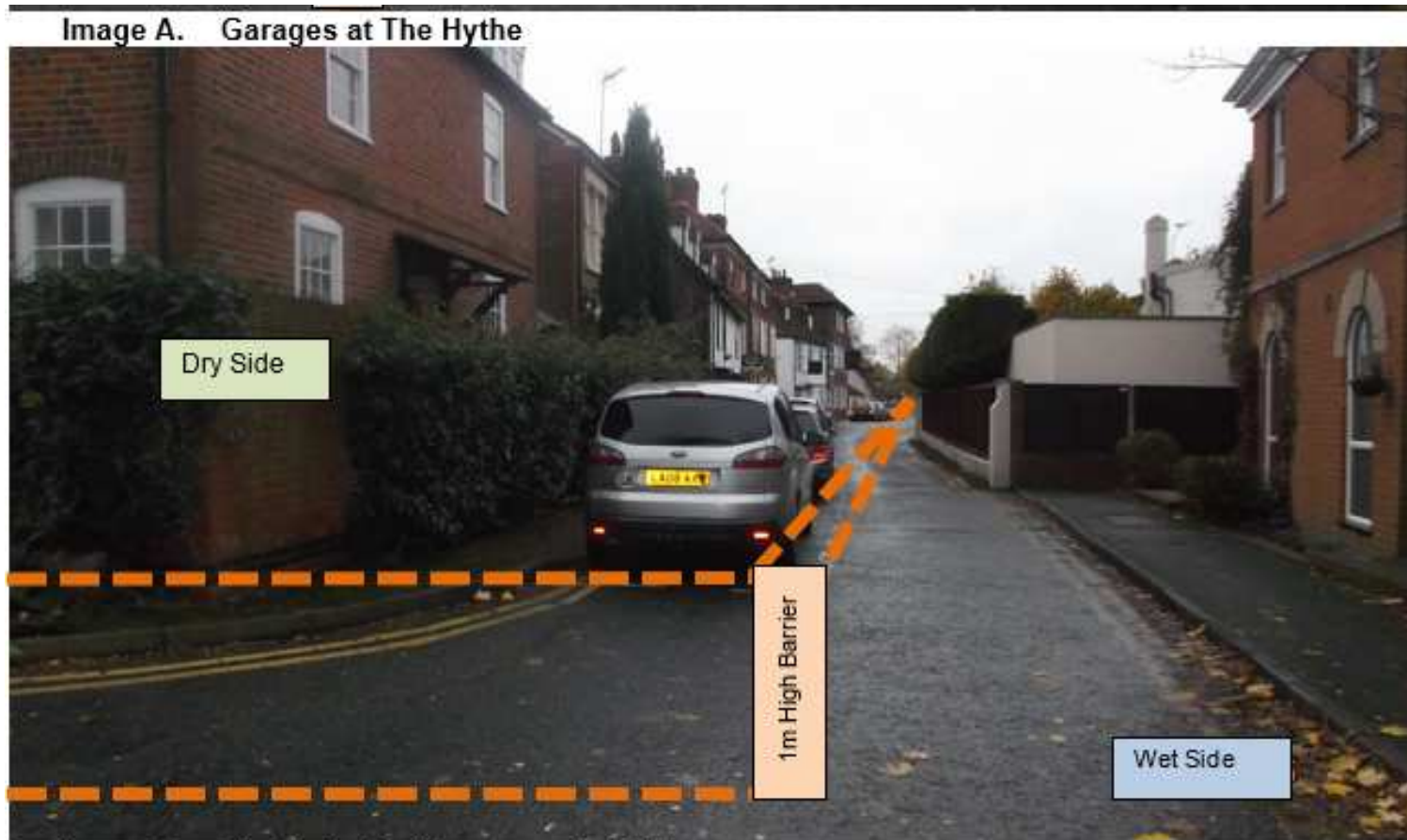
Four locations in Spelthorne:

- Egham Hythe
- Littleton Lane
- Shepperton
- Staines-upon-Thames

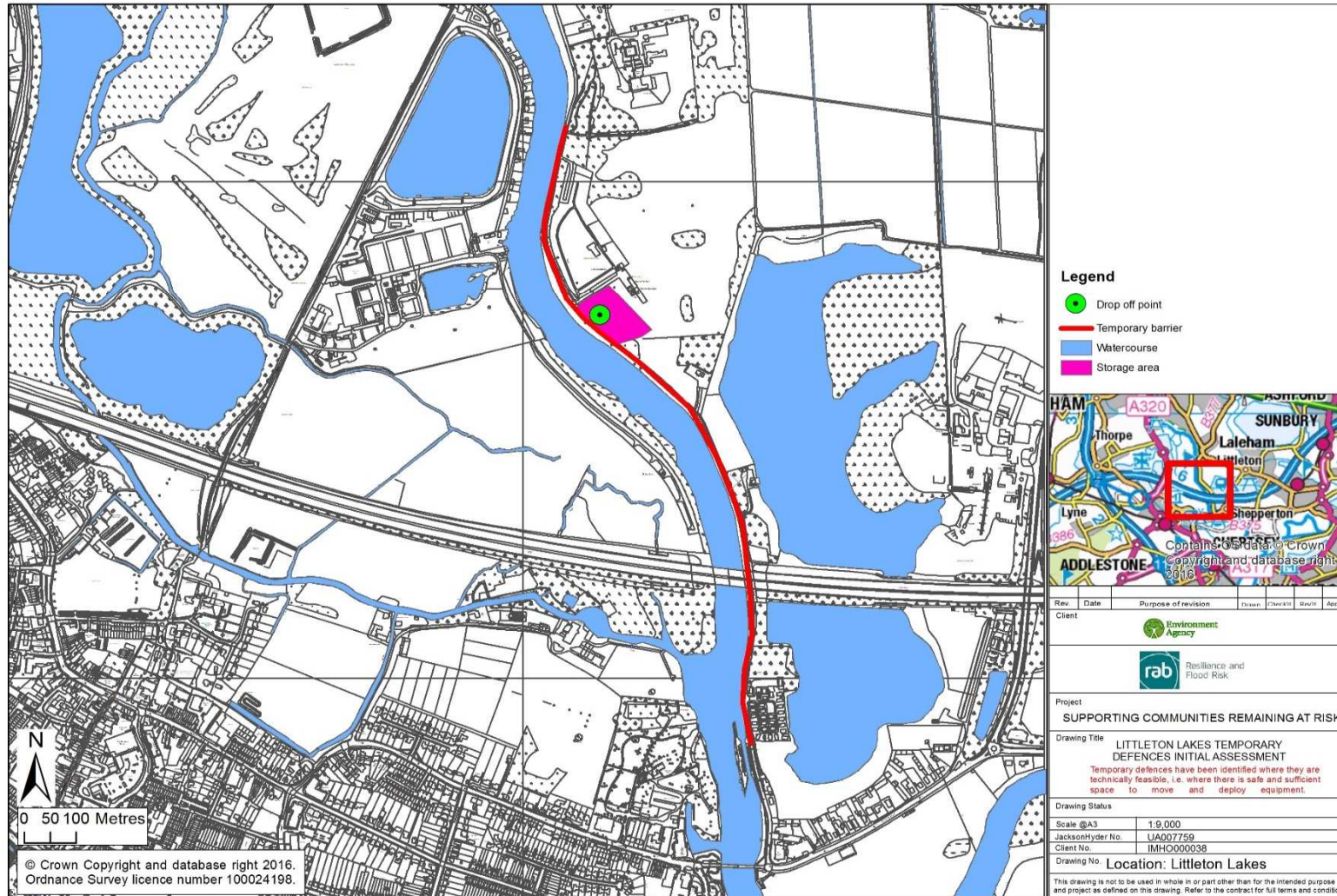
Egham Hyte



Proposed Deployment Plans



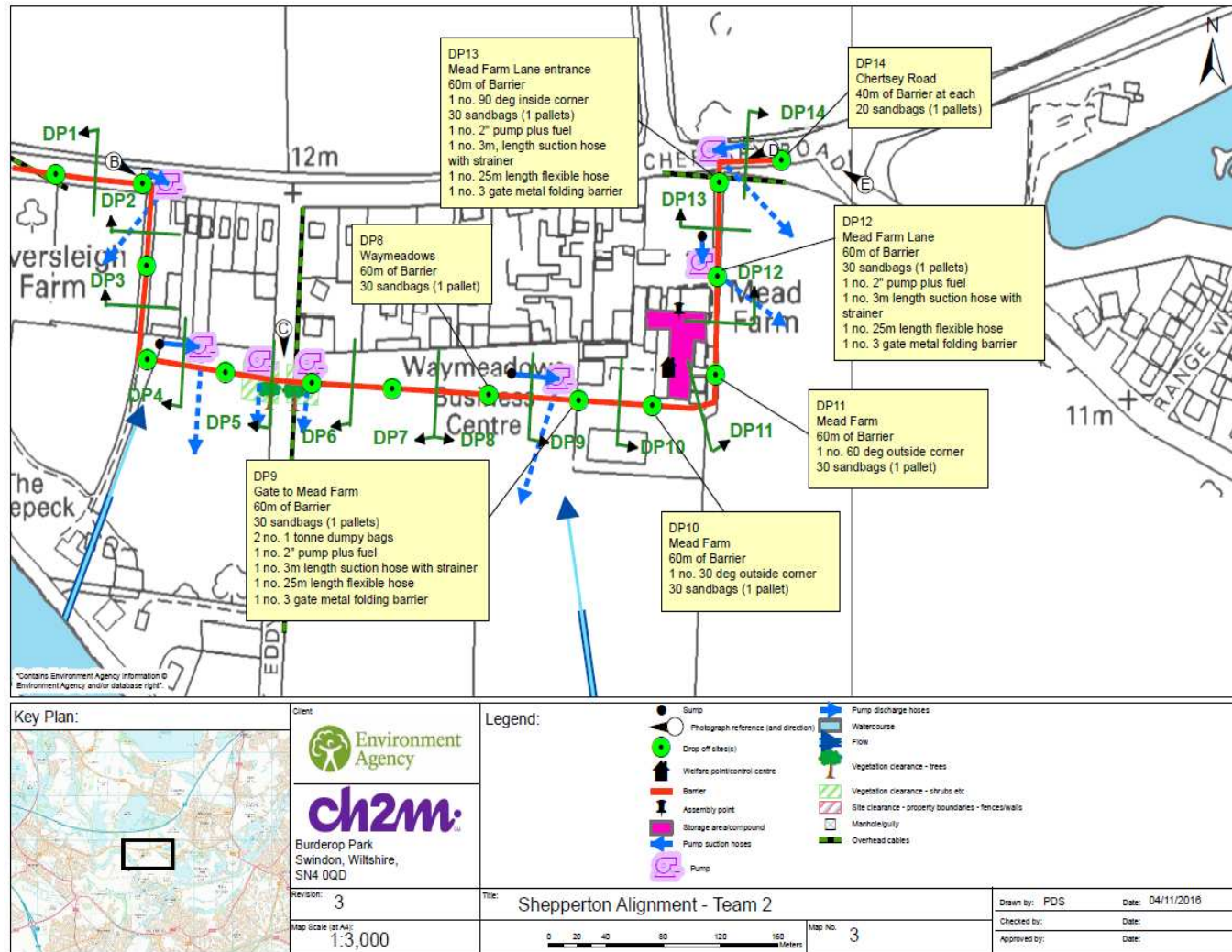
Littleton Lane



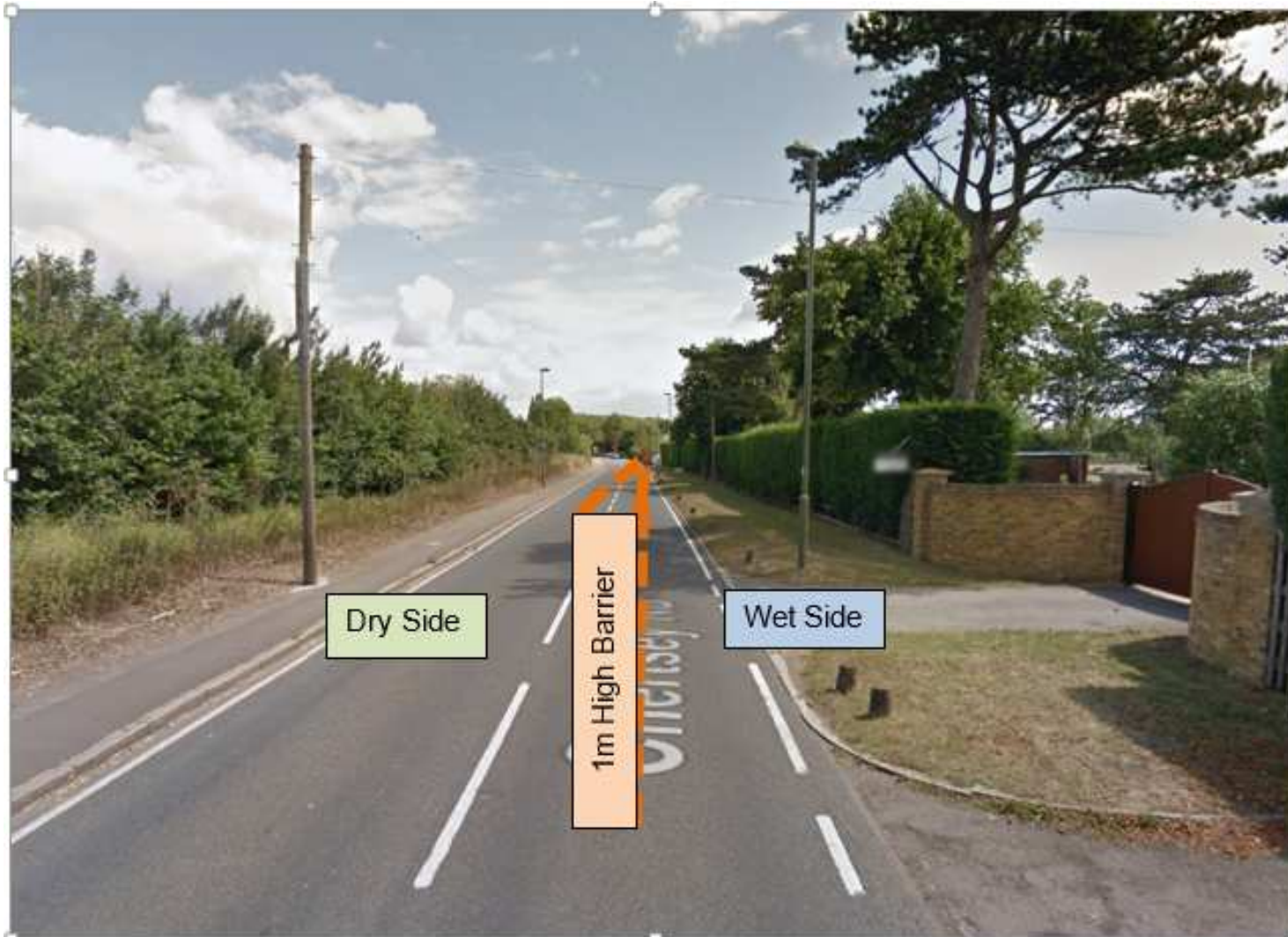
Proposed Deployment Plans



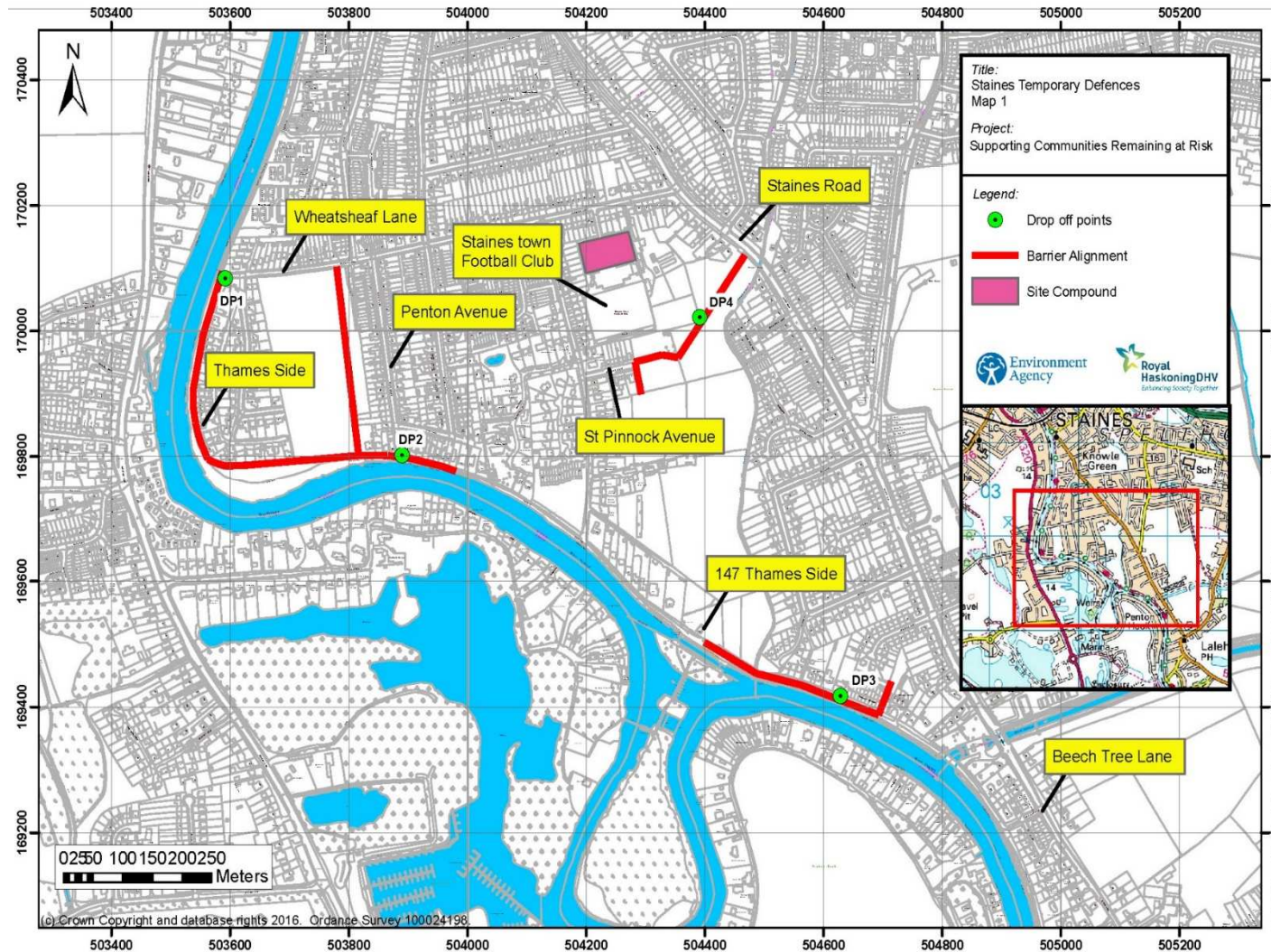
Shepperton



Proposed Deployment Plans



Staines-upon-Thames



Proposed Deployment Plans

