



Environment
Agency

River Thames Scheme (Datchet to Teddington)

Presentation to Sunbury Residents

Friday 6 June 2014

David Murphy

Programme Executive, Environment Agency

February 2014 Flood at Chertsey



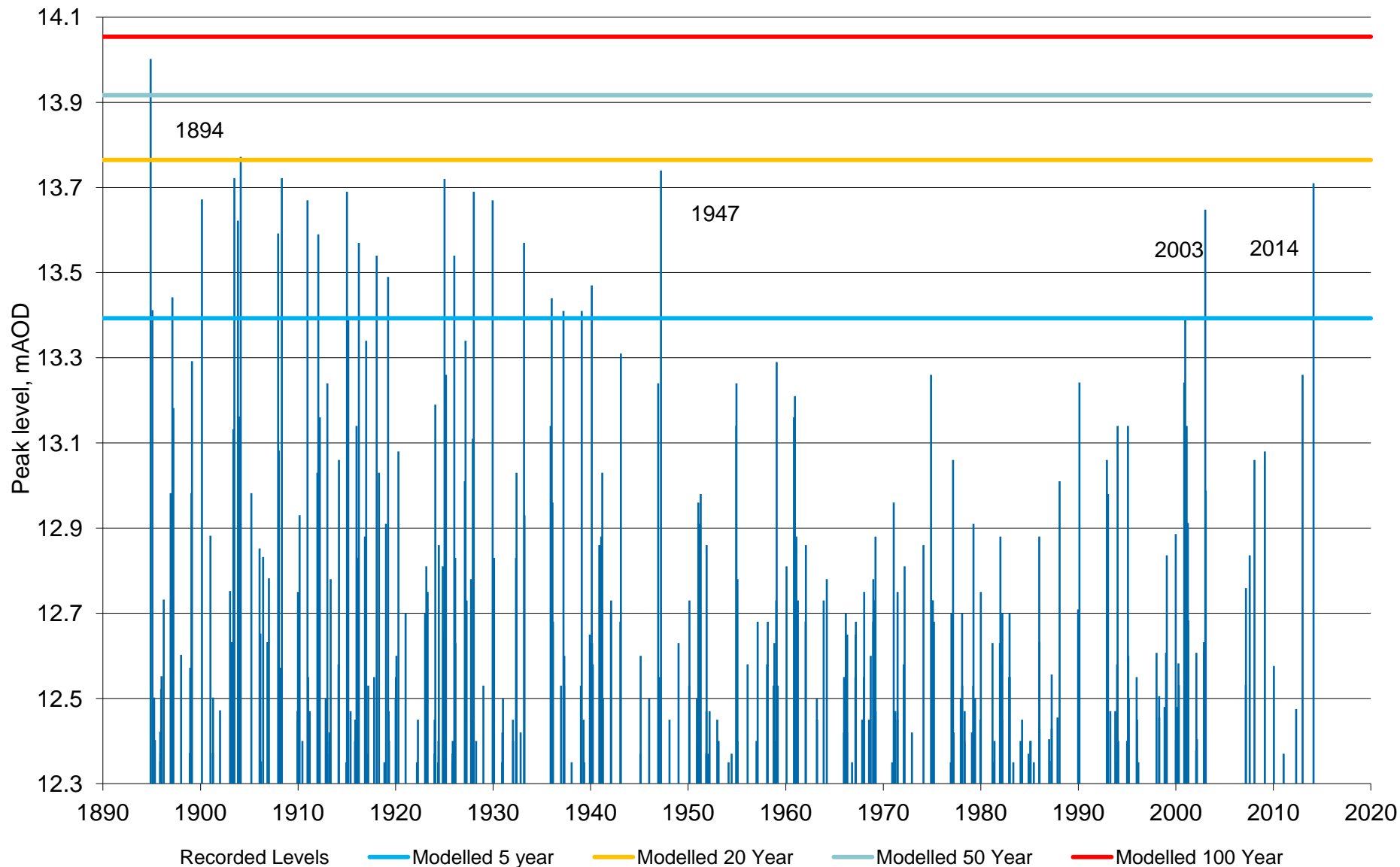
February 2014 Flood at Shepperton



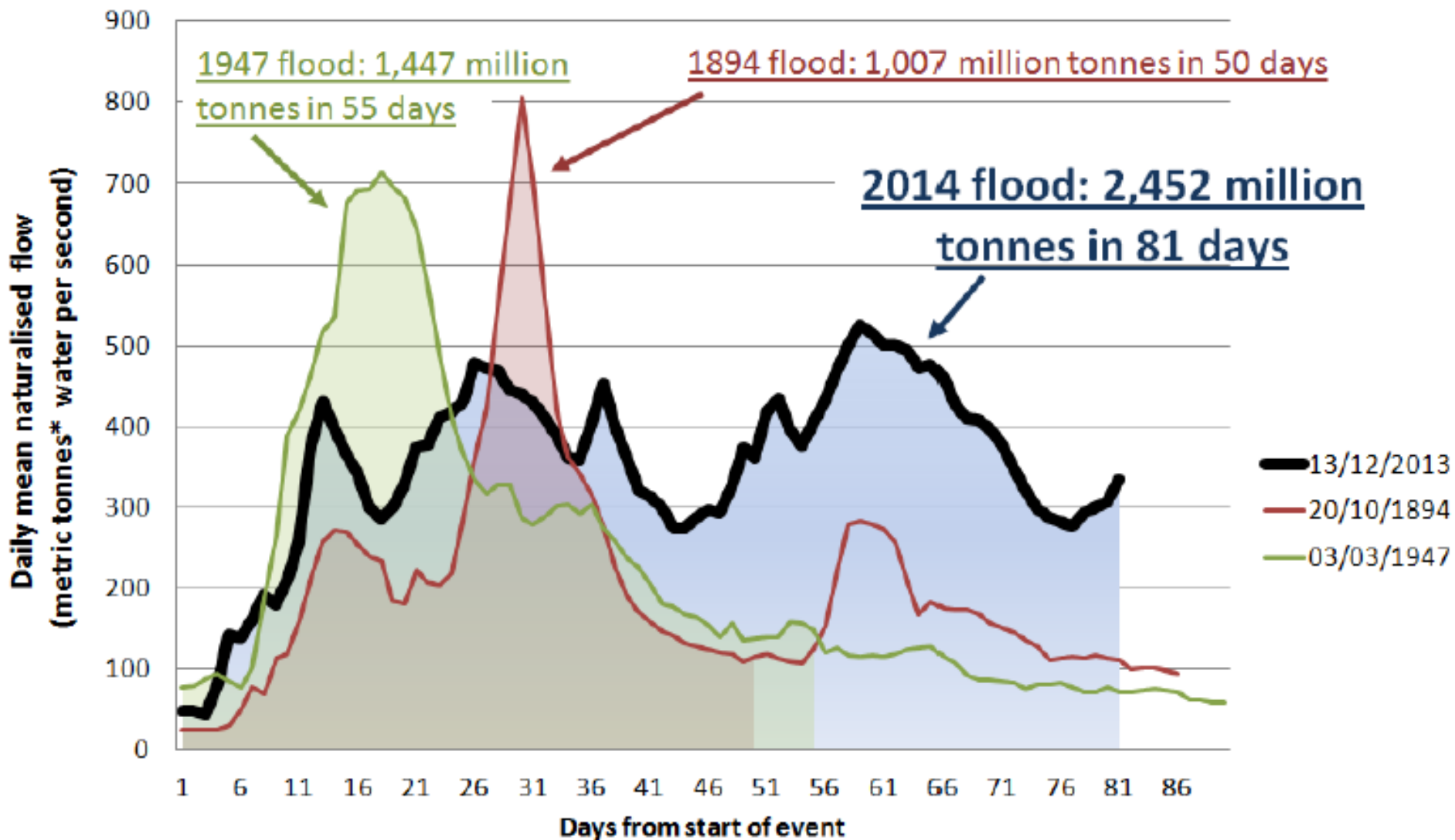
February 2014 Flood at Shepperton



Highest Recorded levels: Downstream of Penton Hook



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



Flood Risk to Properties

Legend

- 1 in 20yr flood extent
- 1 in 100yr flood extent
- County boundary
- Local authority boundary

The data for "numbers of properties" affected are a best estimate based on modelled flood extent.



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Project: Lower Thames Strategy Early Works
 Drawing: Flood Extents Without Scheme
 Drawn By: Henry Wilson Date: 23/07/2013
 Checked By: Paul Evans Date: 23/07/2013
 Approved By: Mike Baner Date: 23/07/2013
 Drawing No.: IMTH001691/009 Revision: 2
 Description: Property tables updated

Royal Borough of Windsor and Maidenhead

Significance (band)	Return period (1 in X years)	No of properties affected
Very significant	> 1:20	610
Significant	≤1:20 to >1:75	1,624
Moderate significance	≤1:75 to >1:200	1,107

Spelthorne Borough

Significance (band)	Return period (1 in X years)	No of properties affected
Very significant	> 1:20	1,068
Significant	≤1:20 to >1:75	1,589
Moderate significance	≤1:75 to >1:200	2,529

London Borough of Richmond upon Thames

Significance (band)	Return period (1 in X years)	No of properties affected
Very significant	> 1:20	420
Significant	≤1:20 to >1:75	382
Moderate significance	≤1:75 to >1:200	510

Runnymede Borough

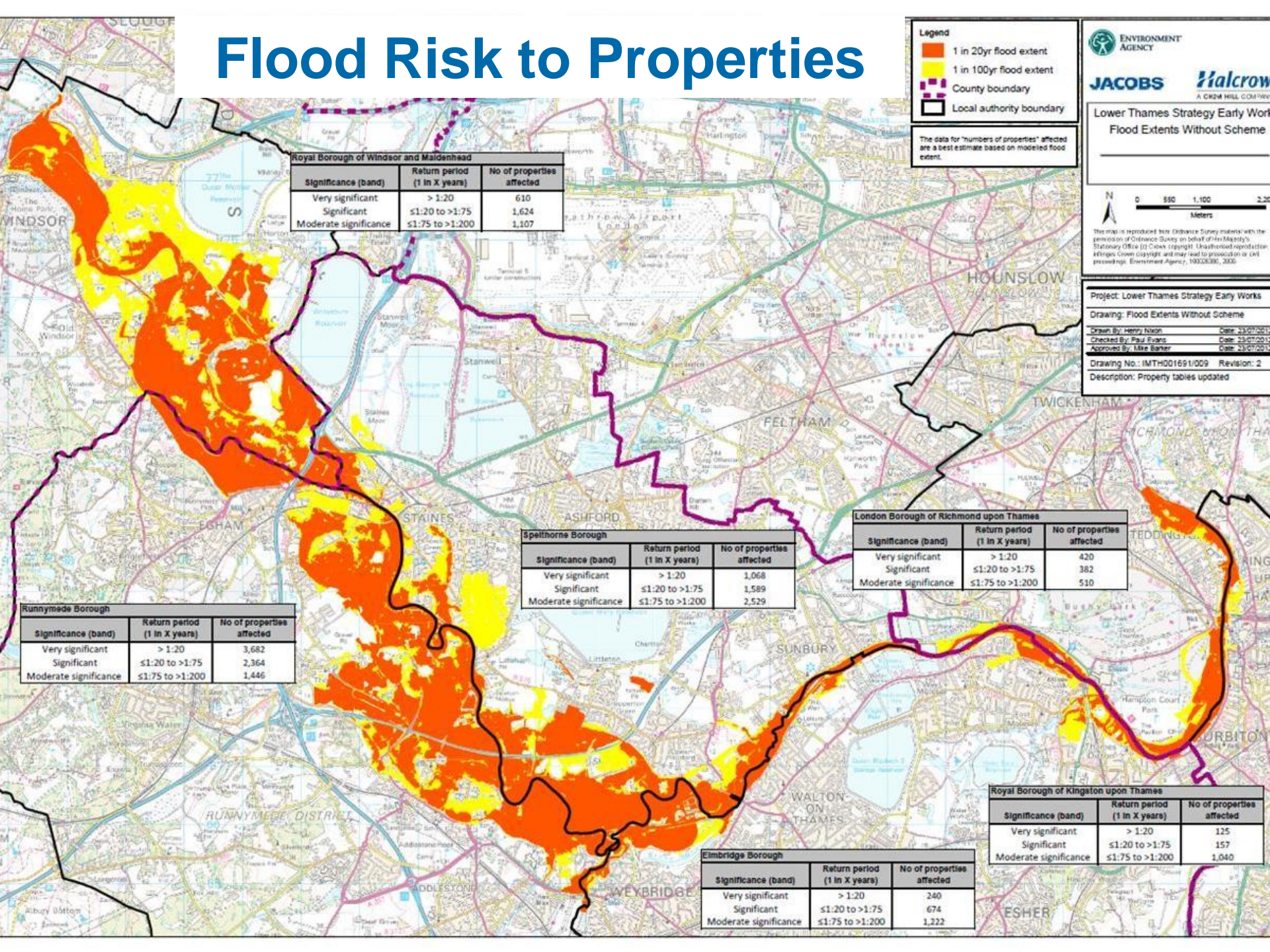
Significance (band)	Return period (1 in X years)	No of properties affected
Very significant	> 1:20	3,682
Significant	≤1:20 to >1:75	2,364
Moderate significance	≤1:75 to >1:200	1,446

Royal Borough of Kingston upon Thames

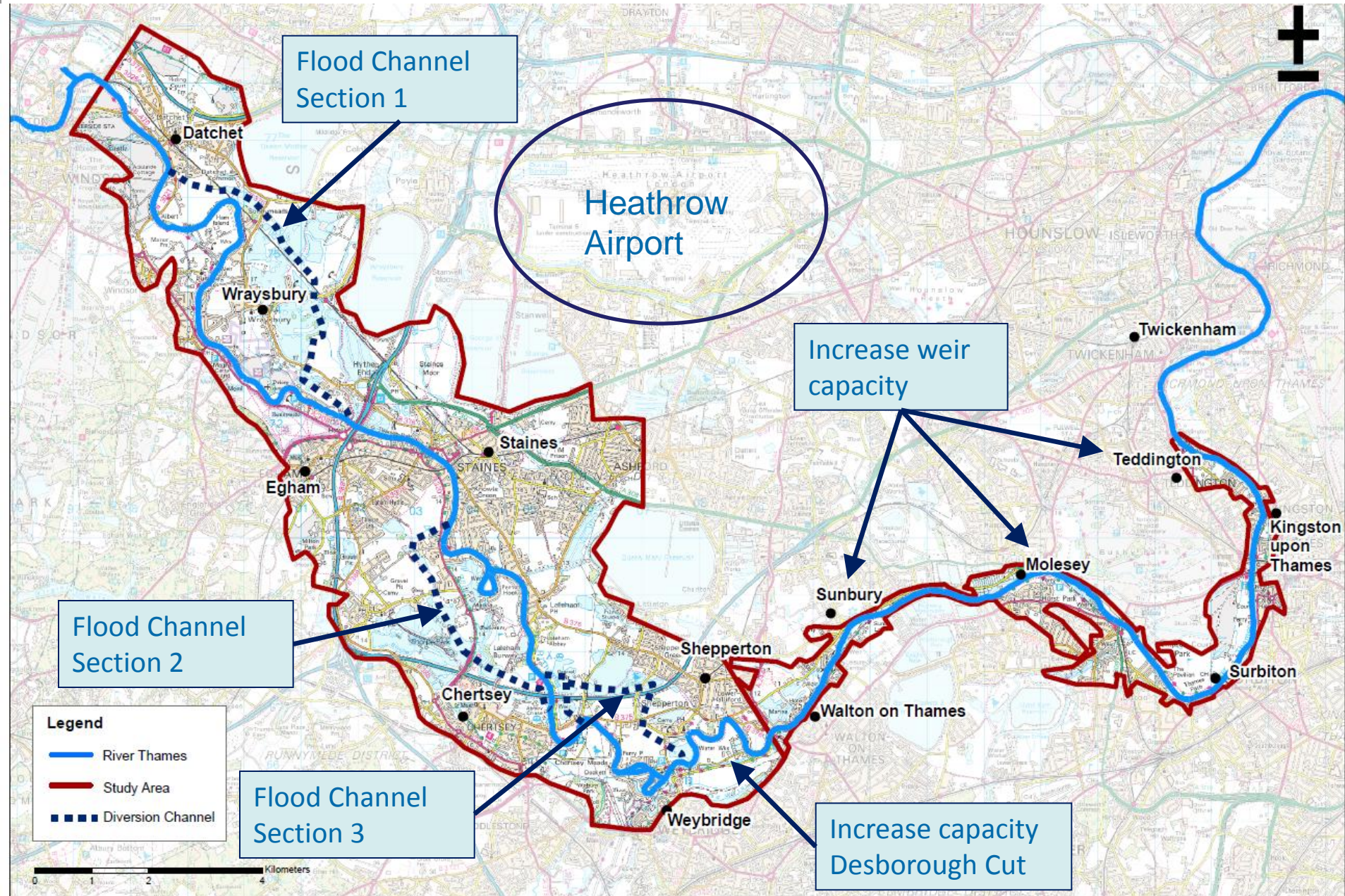
Significance (band)	Return period (1 in X years)	No of properties affected
Very significant	> 1:20	125
Significant	≤1:20 to >1:75	157
Moderate significance	≤1:75 to >1:200	1,040

Elmbridge Borough

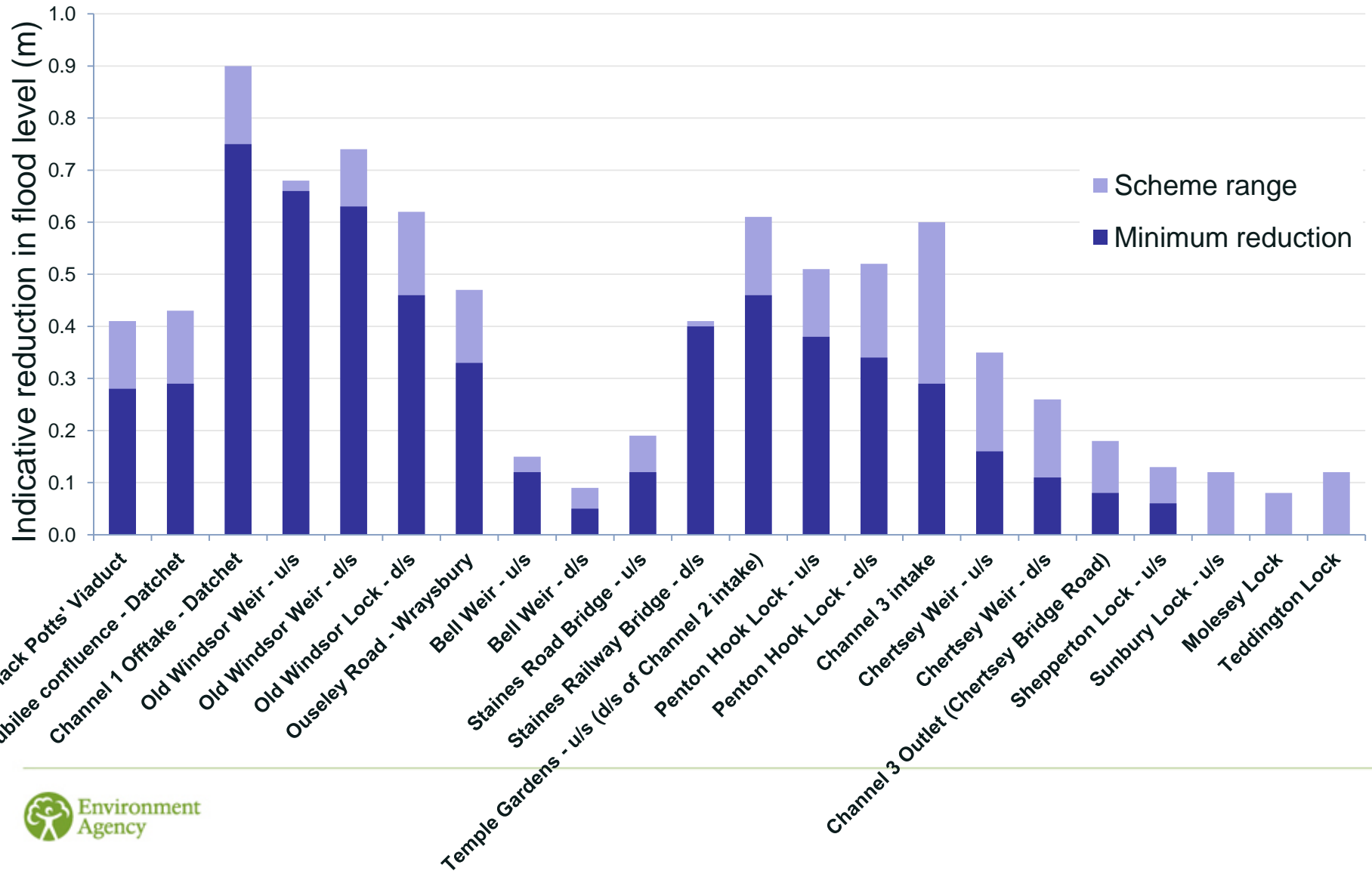
Significance (band)	Return period (1 in X years)	No of properties affected
Very significant	> 1:20	240
Significant	≤1:20 to >1:75	674
Moderate significance	≤1:75 to >1:200	1,222



River Thames Scheme (Datchet to Teddington)



River Thames Scheme: Reduction in flood levels



Delivery Programme

➔ Phase 1 (to 2019)

- ➔ Ecological surveys
- ➔ Property Level Products
- ➔ Major Incident Planning
- ➔ Funding Strategy
- ➔ Increasing capacity of Molesey, Sunbury & Teddington Weirs

➔ Phase 2 (from 2019 to 2025)

- ➔ Enlarging Desborough Cut
- ➔ Construction of flood diversion channel

Working in Partnership

Partners:

- Surrey County Council
- Royal Borough of Windsor and Maidenhead
- Runnymede Borough Council
- Spelthorne Borough Council
- Elmbridge Borough Council
- Royal Borough of Kingston upon Thames
- London Borough of Richmond upon Thames
- Environment Agency

River Thames Scheme:

***“Protecting our Communities; Securing our Economy;
Enhancing our Thames”***

Silt flushed out to sea during 2014 floods





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