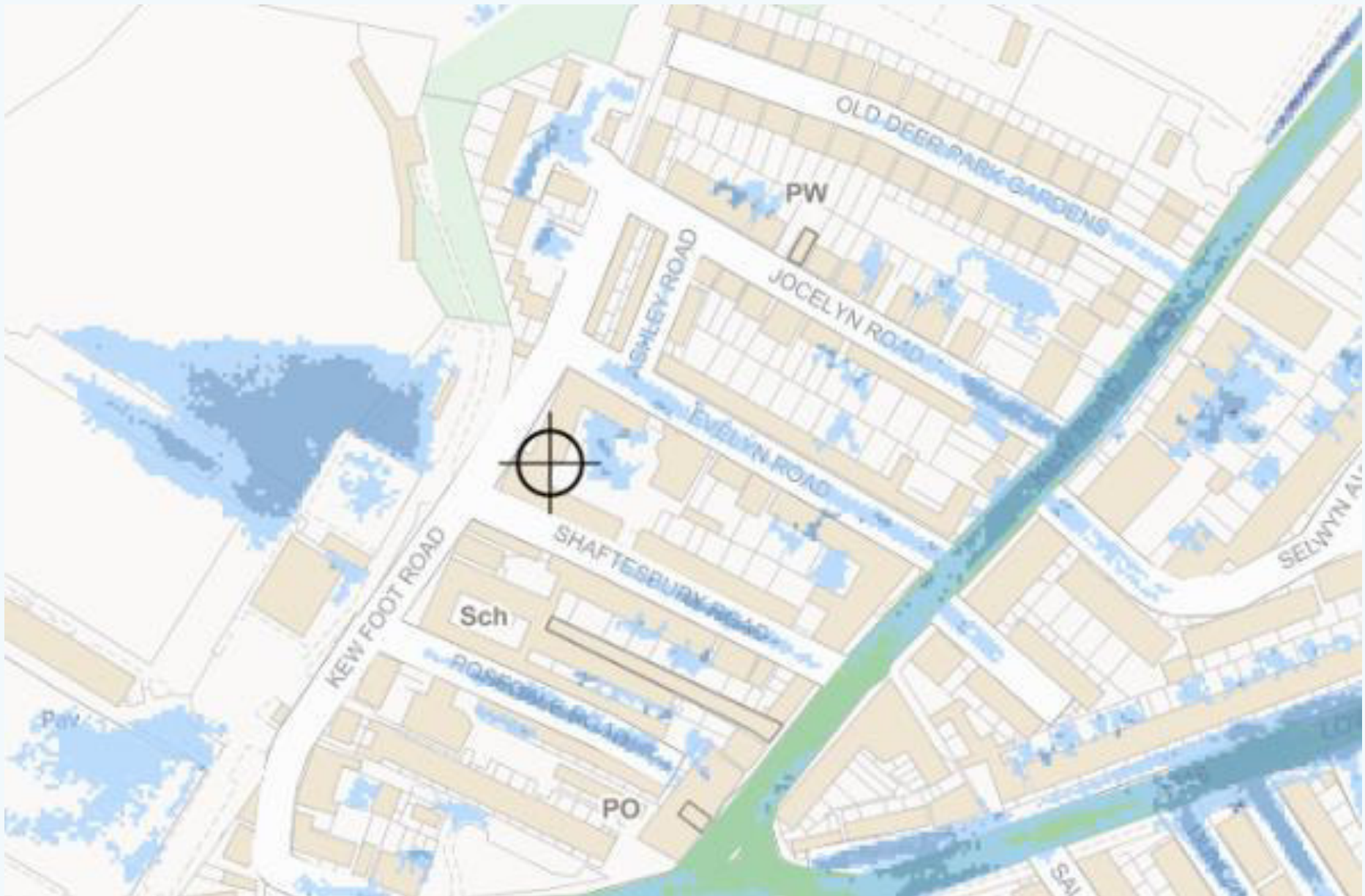
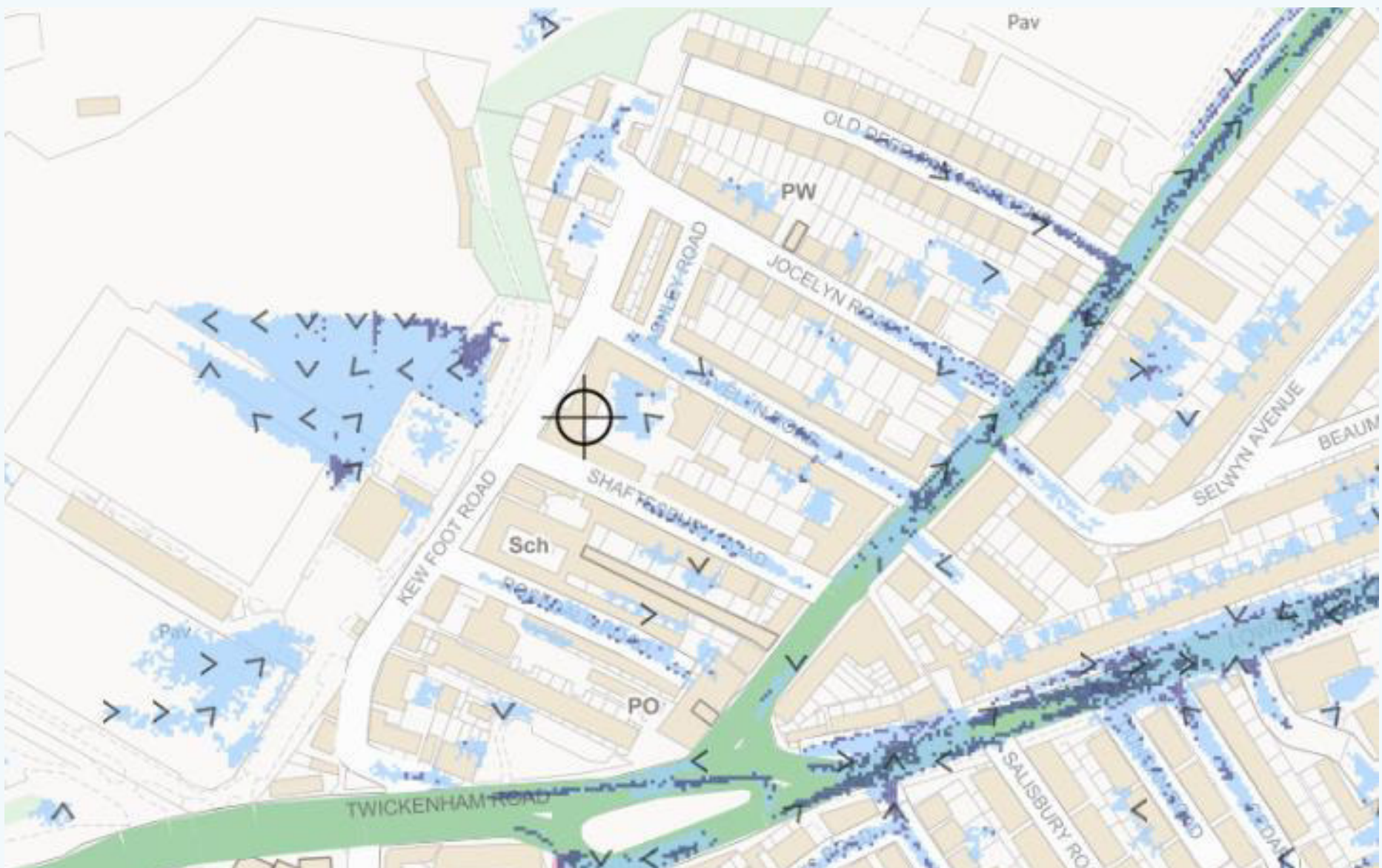


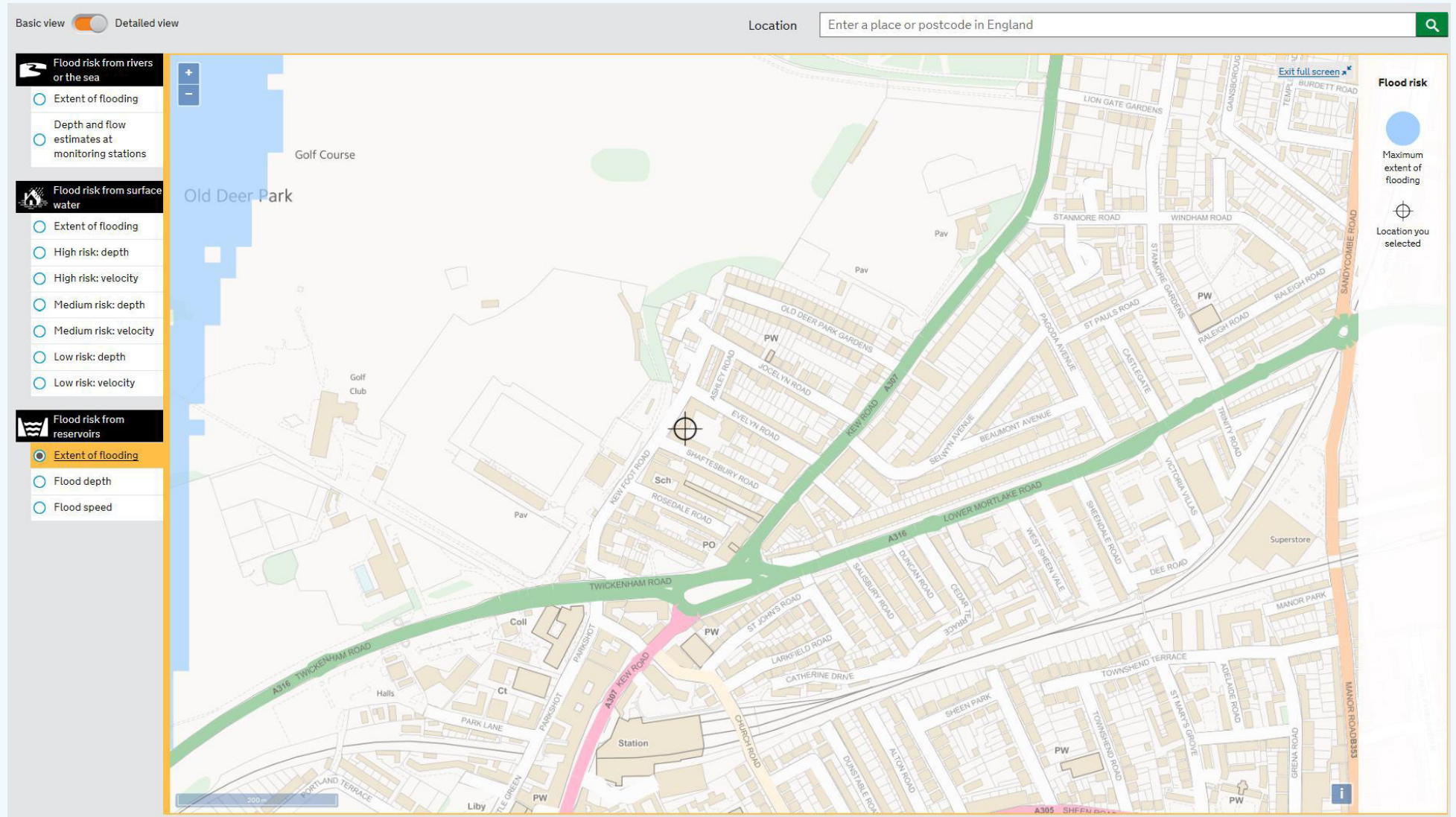
Environmental Agency Flood Maps – Surface Water (Pluvial) Flood Depth



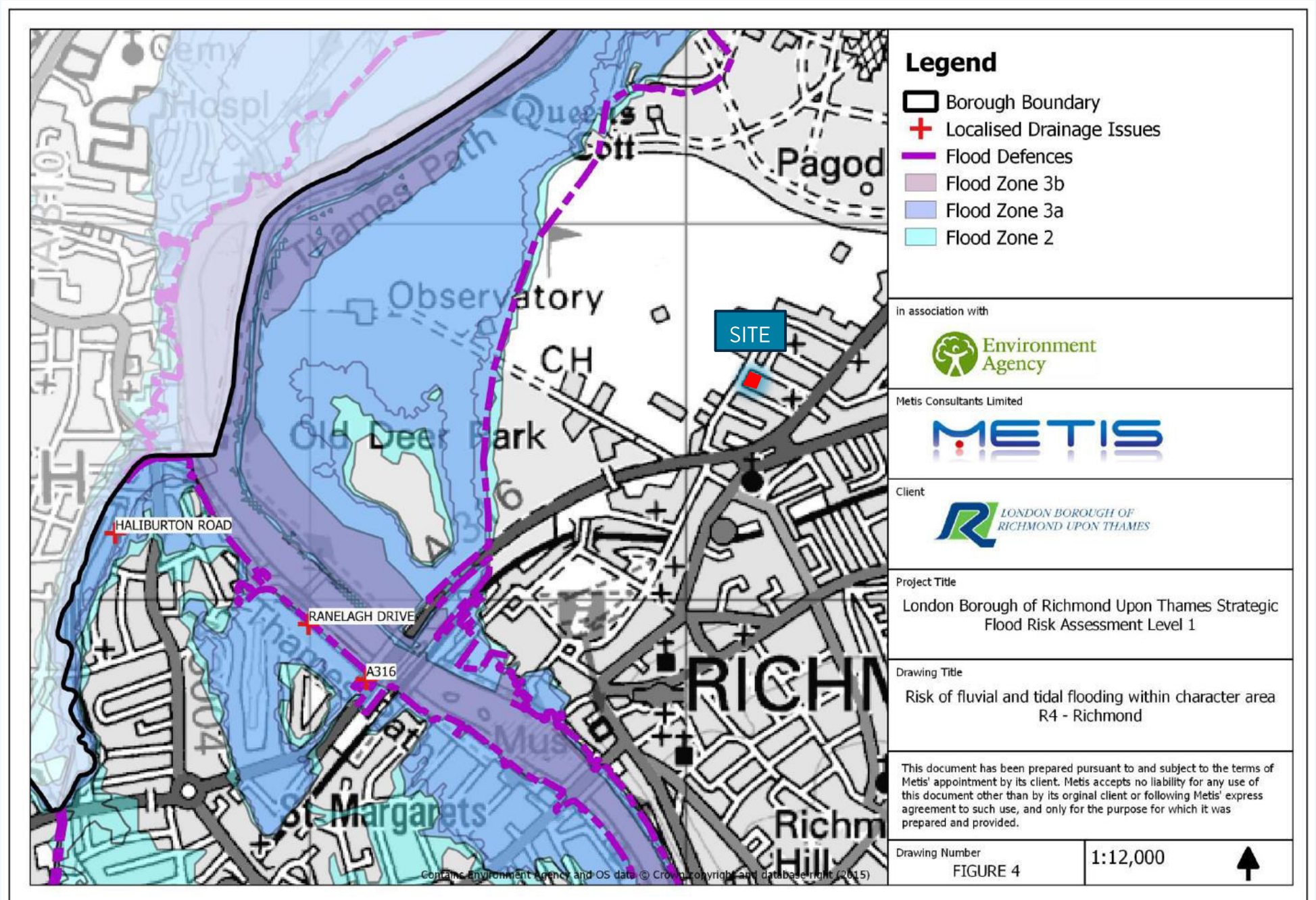
Environmental Agency Flood Maps – Surface Water (Pluvial) Flood Velocities



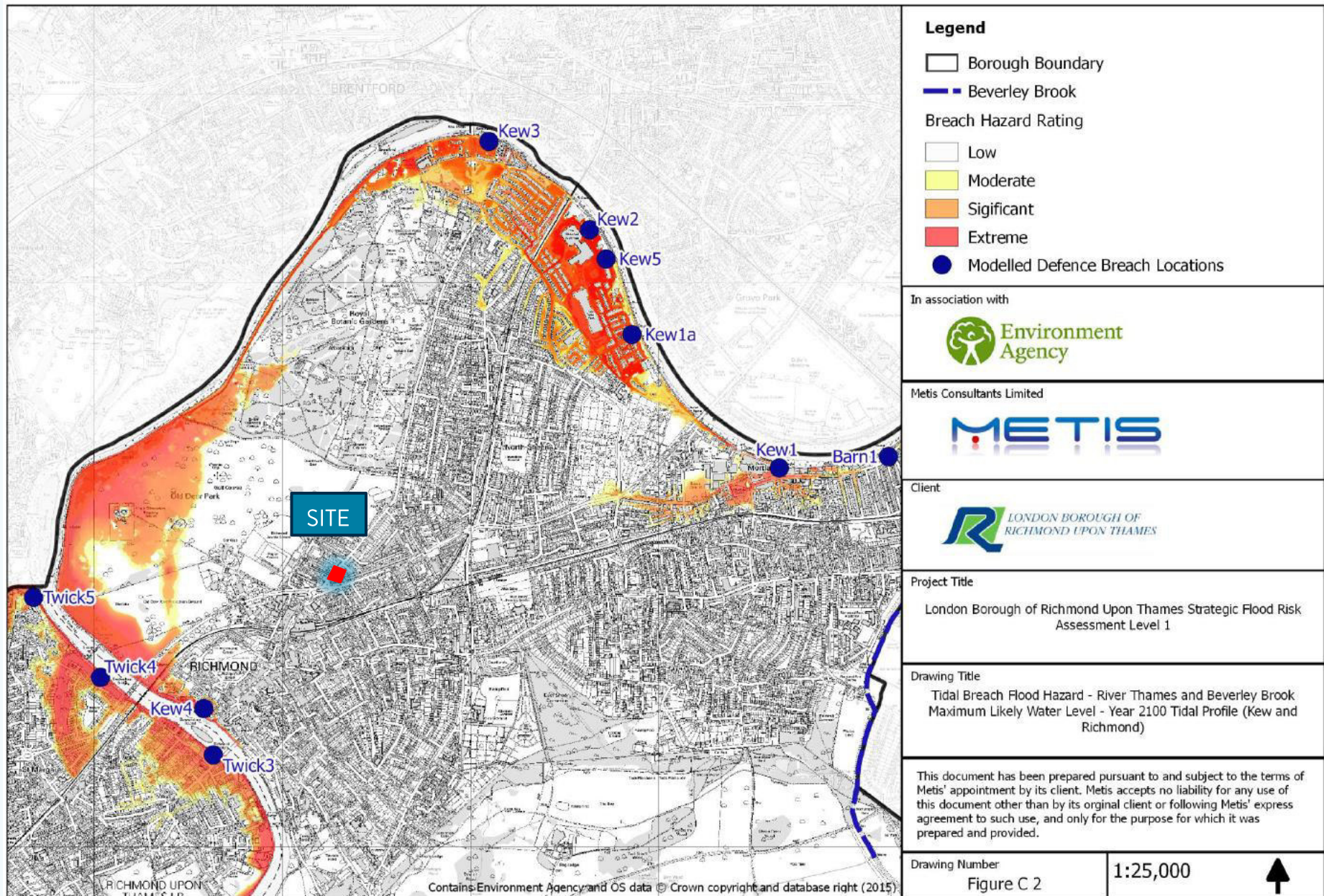
Environmental Agency Flood Maps – Reservoir Flood Extent



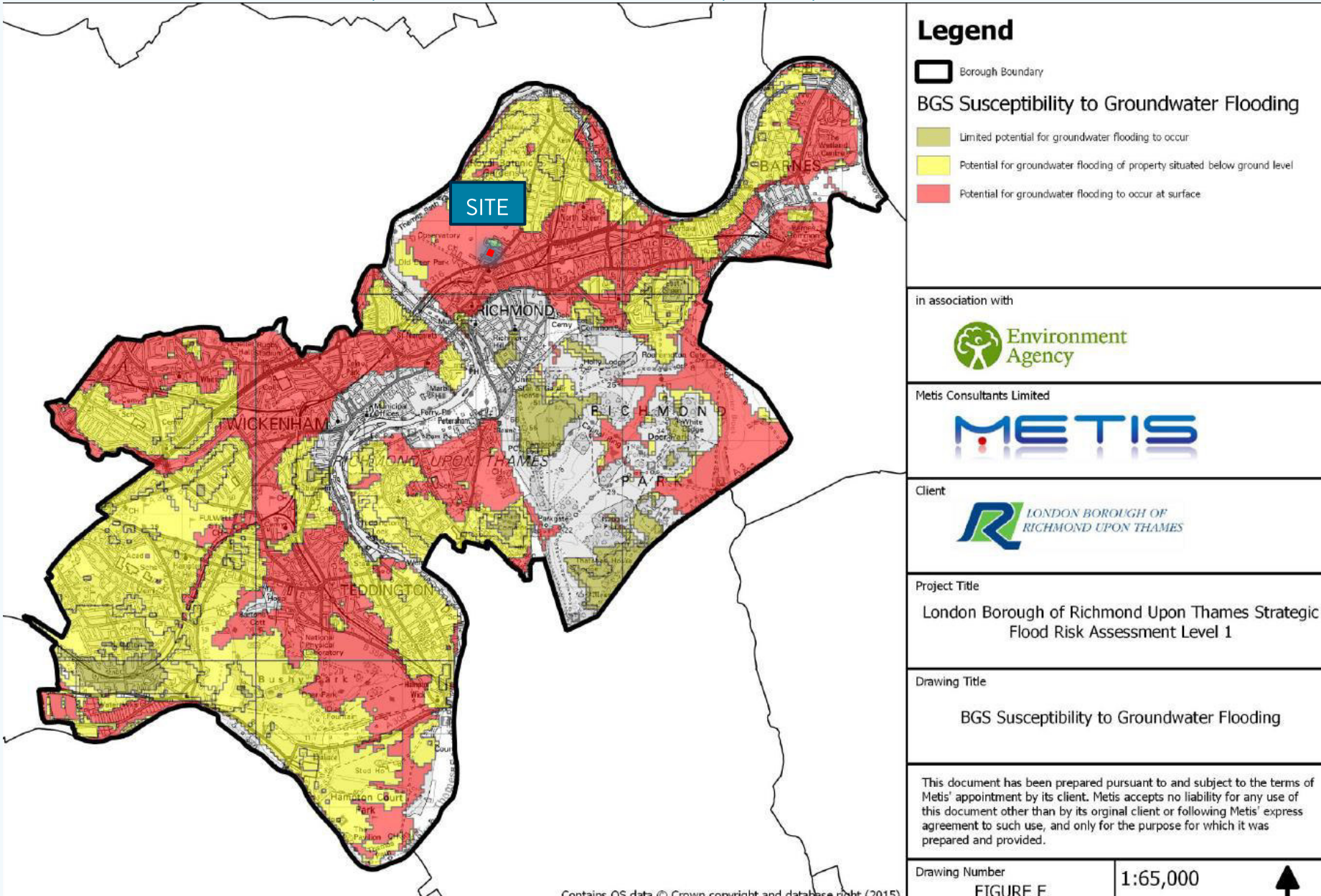
Richmond SFRA Flood Maps – Fluvial Flood Risk



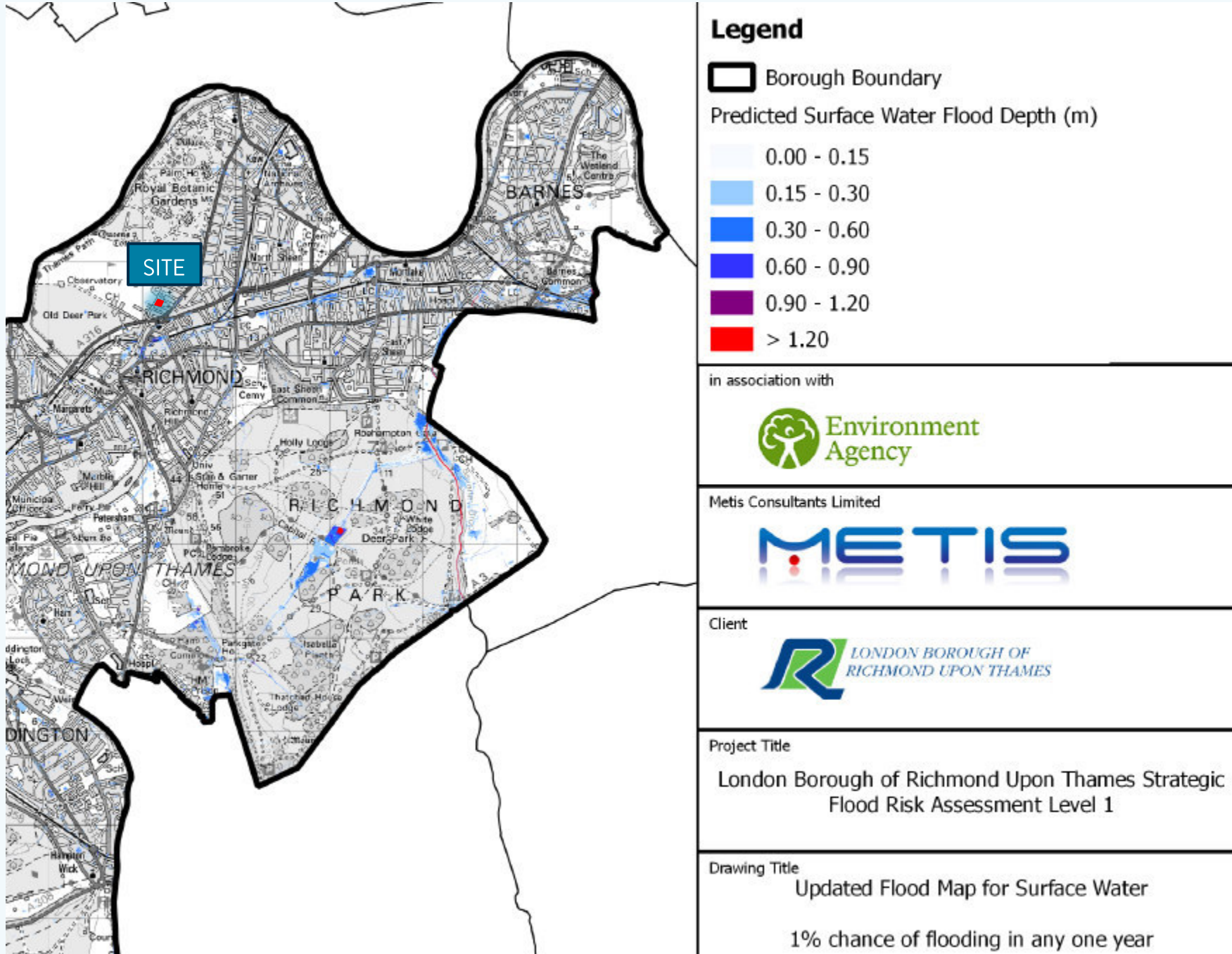
Richmond SFRA Flood Maps – Tidal Breach Maximum Likely Water Level 2100



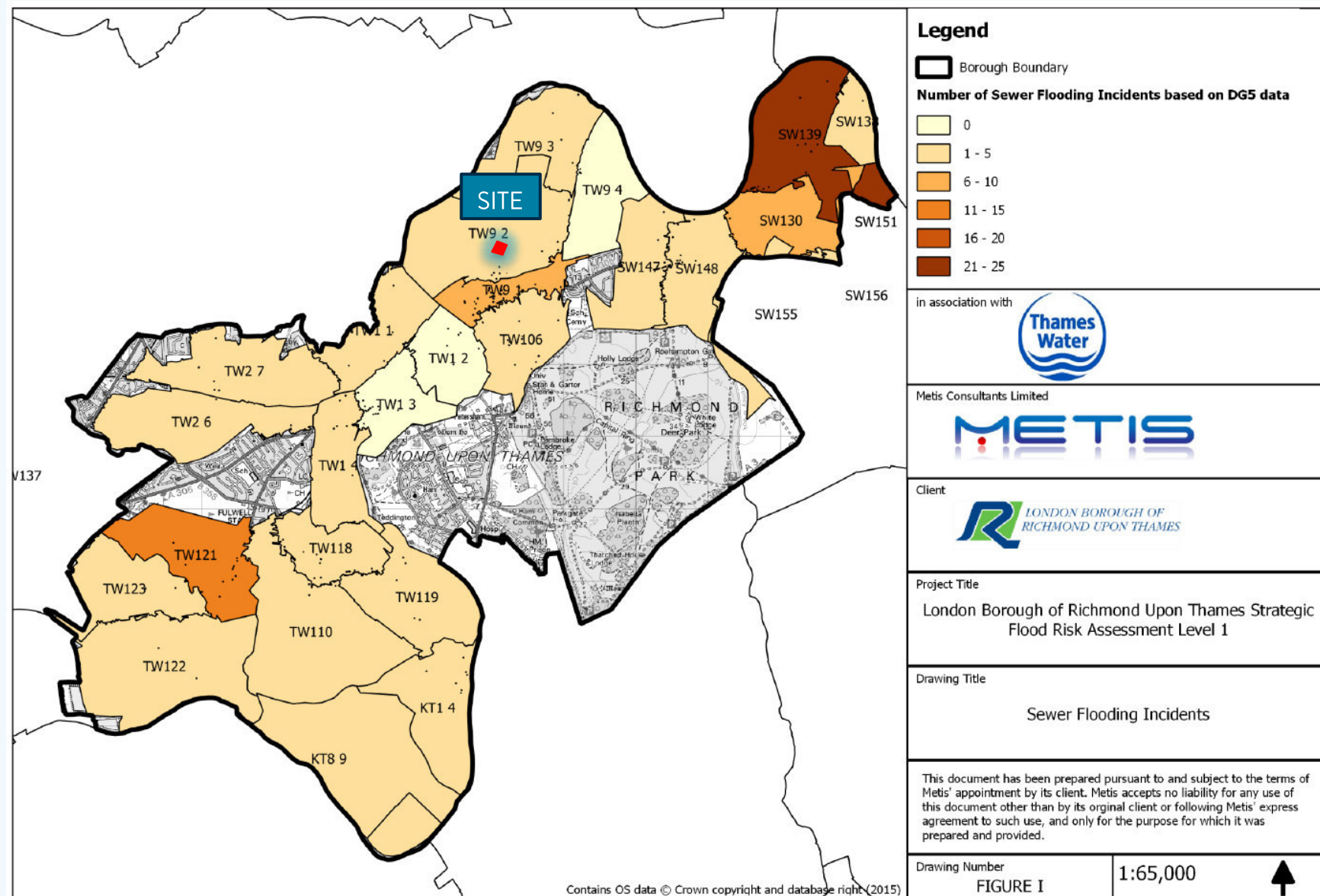
Richmond SFRA Flood Maps – Ground Water Susceptibility



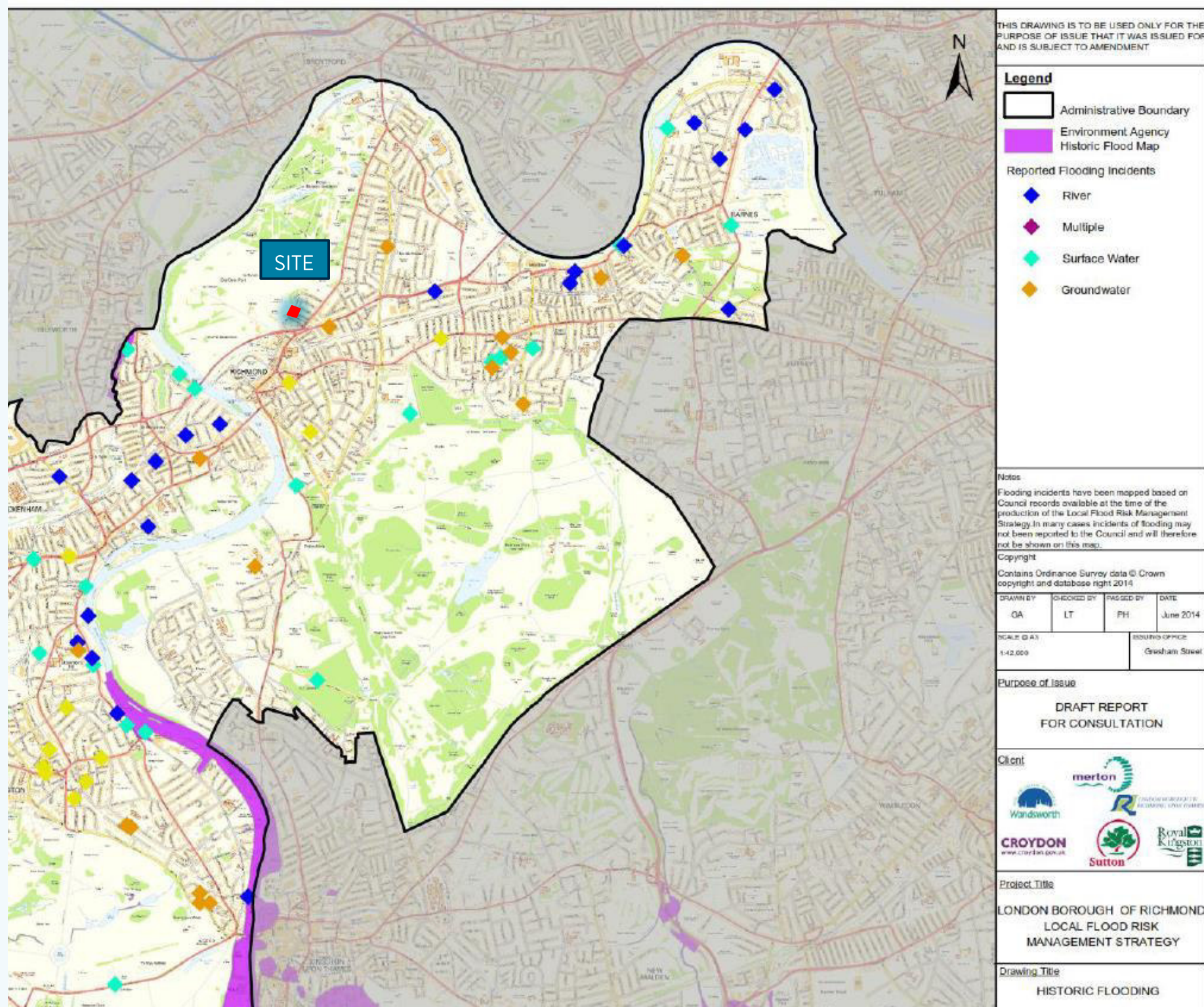
Richmond SFRA Flood Maps – Surface Water Flood Risk



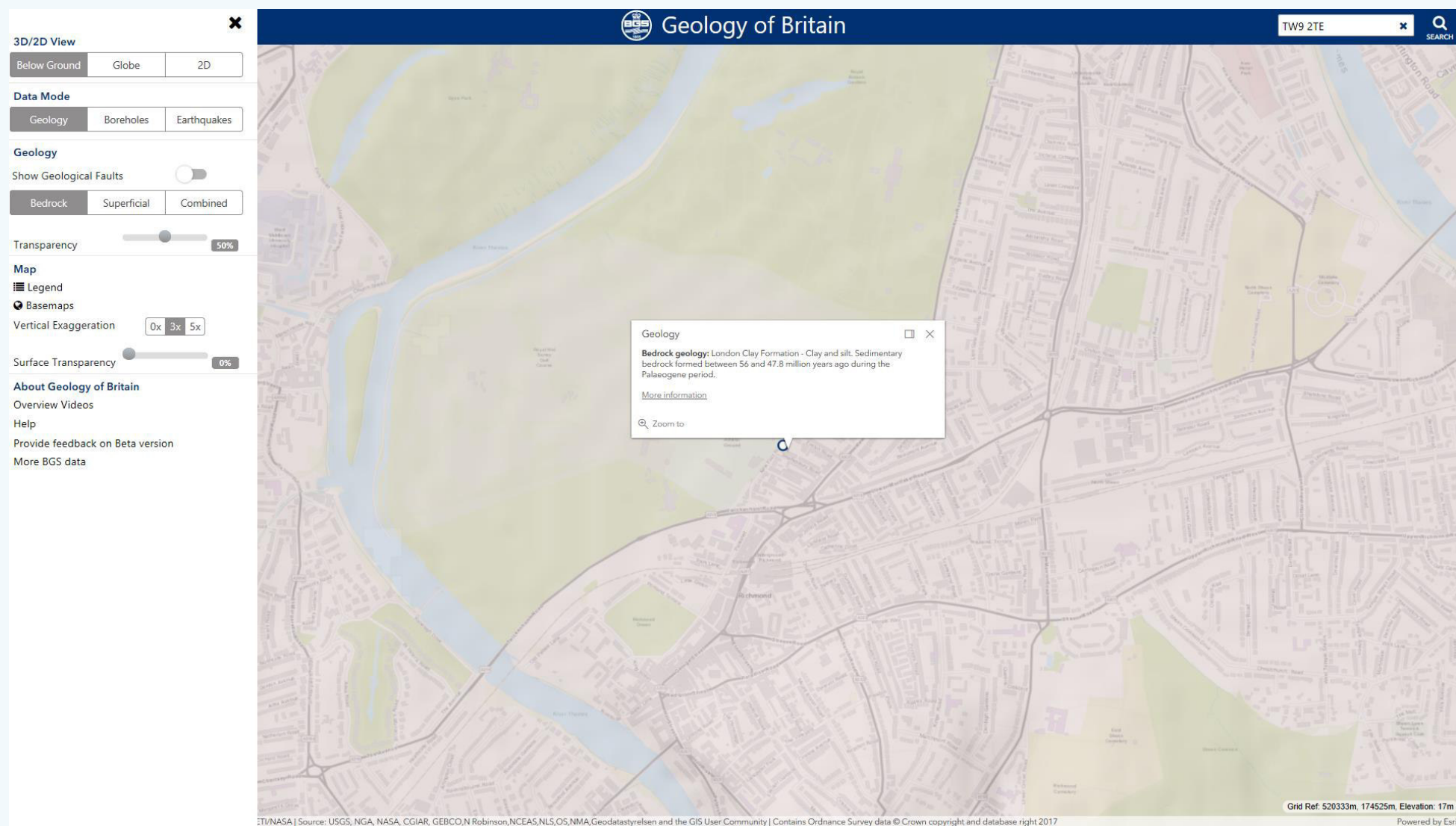
Richmond SFRA Flood Maps – Sewer Flooding Incidents



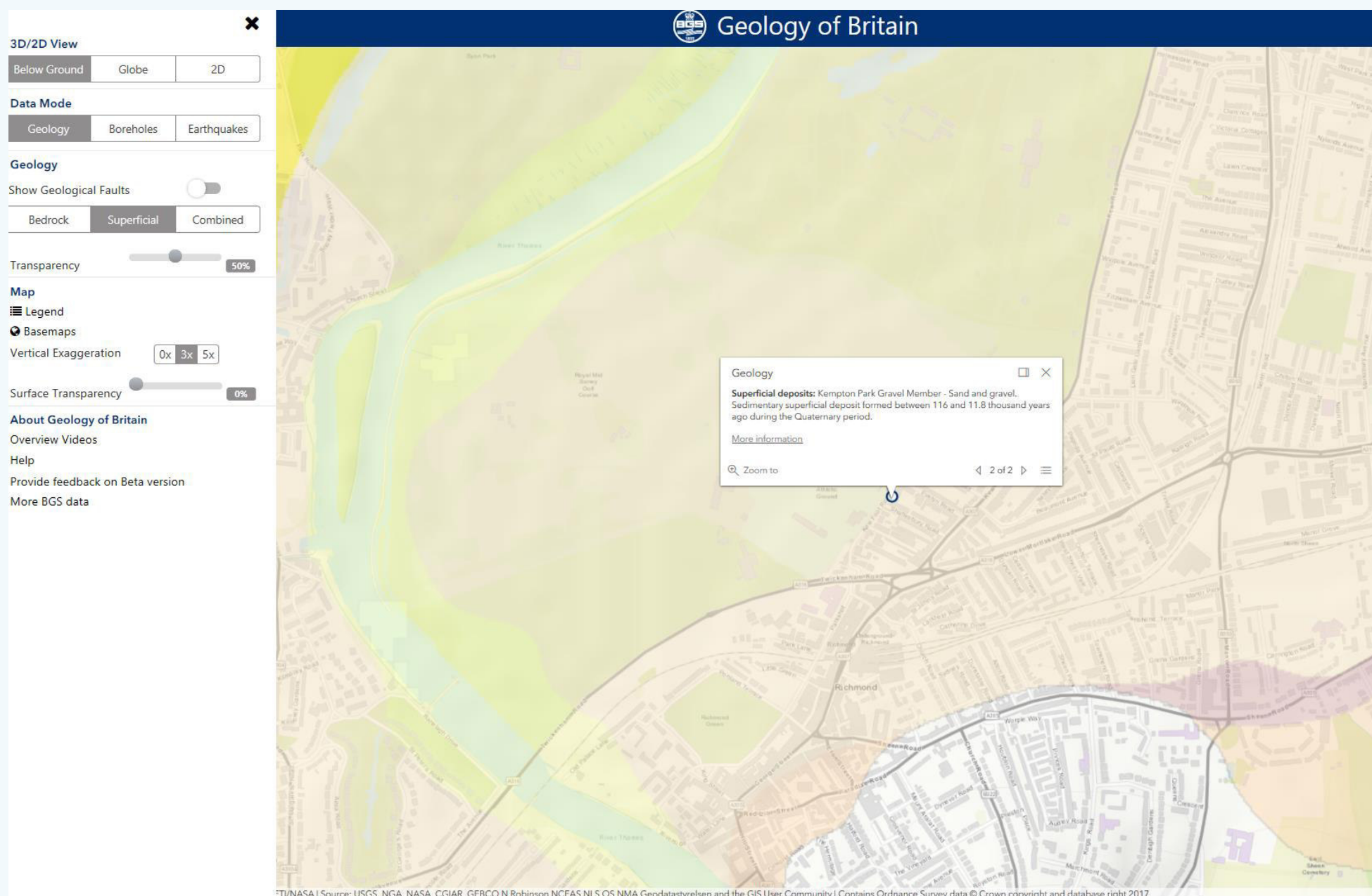
Richmond SFRA Flood Maps – Historic Flooding Incidents



British Geological Society – Bedrock Geology



British Geological Society – Superficial Geology



British Geological Survey

INSTITUTE OF GEOLOGICAL SCIENCES
RECORD OF SHAFT OR BOREHOLE

6-in Map Registration No.

TO 17 NE /34

Name and Number of Shaft or Borehole:

RICMOND COURT HOUSE. B.H.1.

National Grid Reference

1792 7524

For whom made E.L.C.

Town or Village RICHMOND County

1-in New Series Map No.

270

Enter 'C' if Confidential

Exact site (reference to a fixed point on 1-in map):

Purpose for which made TRIAL

Ground Level at shaft bore relative to O.D. If not ground level give O.D. of beginning of shaft bore

Made by Date of sinking 1970

Information from E.L.C. Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

British Geological Survey

British Geological Survey

British Geological Survey

GEOLOGICAL CLASSIFICATION	1 (NEWLYN DATUM) + 24.27 + 7.40	THICKNESS		DEPTH	
		FT	IN	FT	IN
	0-01	2'-0"			
	2-13	5'-0"			
		14'-0"			
	00 + 1.0	6'-0"			
		18'-6"			
		40'-0"			

Made ground. (Ash, bricks, etc.)
Made ground. (Brown clayey sand, brick fragments, stones, etc.)
Brown sand and gravel with some clay
Stiff fissured clay with in fissures with pebbles sand and stones.
Stiff grey-brown fissured clay

D 7547 Wt. 243081 4.000 9/67 KCN Gp. 807 (5556) (B88)

Contract Name RICHMOND						Borehole No. 1	
						Sheet 2 of 2	
Method of boring				Ground level			
Diameter				Start			
				Finish			
Daily progress	Water levels	In-situ tests	Samples	Depth (m)	Reduced level (m O.D.)	Thickness (m)	Description of Strata
			J				
			U			9.40	Stiff to very stiff fissured grey silty clay with occasional small selenite crystals and silt partings (London Clay)
			J				
			U				
			J				
			U				
21/5				15.00	-7.39		Bottom of Borehole
Notes							
Terresearch Limited			Report No. S.29/633			Appendix 1 Sheet 2	

LOCATION : Lower Mortlake Road, Richmond		BOREHOLE No. One					
DATE OF BORING : 17/18.11.1986							
Description of Strata	STRATA CHANGE		S.P.T. C.P.T.	SAMPLES		WATER LEVEL M	DEPTH of CASING M
	LEGEND	DEPTH M	N-VALUE	DEPTH M	TYPE		
MADE GROUND Tarmac over reinforced concrete. Brick, concrete rubble in sandy clay matrix.		0.00 - 1.00		1.00	B		
FLOOD PLAIN GRAVEL Fine medium coarse, grey/brown, medium dense flint GRAVEL and sand. - with some sand		1.00 - 2.00	15	1.50	B		
- fine medium coarse SAND with some gravel		2.00 - 3.00	13	3.00	B		
- fine medium coarse GRAVEL and sand		3.00 - 4.00					
- fine medium coarse SAND with some gravel		4.00 - 5.00	15	4.50	B	5.20	
- fine medium coarse GRAVEL and some sand		5.00 - 6.00				5.50	
- occasional cobbles		6.00 - 7.00	14	6.00	B/W		
LONDON CLAY Firm, brown, slightly silty CLAY - stiff, brown grey		7.00 - 8.00		7.50	U100		
- very stiff, grey/blue		8.00 - 9.00		8.00	J		
- grey/blue, silty		9.00 - 10.00		9.00	U100		
				9.50	J		
BOREHOLE DIAMETER : 150mm				∇ - Water strike			
LINING TUBES : 150mm				⌵ - Water (standing level)			
GROUND LEVEL :				W - Water Sample			
REMARKS : Borehole drilled below existing ground level.				B/J - Bulk/Jar Sample			
				S.P.T. - Standard Penetration Test			
				C.P.T. - Cone Penetration Test			
				(U) - Undisturbed Sample (38mm & 100mm)			
Date. November, 1986	BOREHOLE LOG					Report No. S.787	

TQ 17 NE / 2

A - Z

AA

NGRs by individual records

THESE ARE INDIVIDUAL RECORDS



1-4 were shallow and not reaching the London Clay.
The heights are above Ordnance Datum. The measurements are in feet.
1-18 along the bank of the Thames, from S. of the Railway Bridge to Terrace Gardens. 19-21 along Lower Road.

	Height.	Made Ground.	Ballast.	Clay.	Dirty Ballast.	Clay.	Ballast.
5. Nearly 1/2 mile from Railway ...	13	4	—	—	—	—	8
6. At road to Queensbury Villa ...	13.81	10	—	—	—	—	5
7. At northern side of Water Lane	14.61	4	—	—	11	—	—
8. Southward of Water Lane ...	13.57	3	3	1	3 1/2	—	—
9. Northward of Bridge ...	14.02	3	3	1	4 1/2	—	—
10. A little S. " " ...	15	3	—	—	—	—	—
11. Westward of Cambourne House	14.03	3	—	—	11	—	—
12. South-westward of " "	14.31	3	—	—	7	—	7
13. S. of Cambourne House ...	14.39	4	—	—	—	—	7
14. Westward of Cardigan House	13.93	4	—	—	—	—	7
15. W.S.W. " " " "	14	4	—	—	—	—	7
16. S.W. " " " "	15	4	—	—	—	—	7
18. Corner of walk (up to Lower Road) ...	14.56	—	—	—	—	—	—
19. Southward of the turning, to river-side ...	25	5	—	16	—	—	—
20. By northern end of Buccleugh (late Richmond) House ...	27.75	5	—	21	—	—	—
21. Southward of Buccleugh House	23.4	5	—	6 1/2	8 1/2	—	6
22. Meeting of lane and footpath N.W. of Devonshire Cottage	18.4	6	—	4	—	—	11

23-25. In Queensbury Lane from St. Helen's Terrace to Richmond Green.
30-33. Along Green Side and Park Street.
34-38. Along Kew Road.
40-65. Along Mortlake Road.

	Height.	Made Ground, &c.	Mud.	Loamy and Sandy Gravel.	Ballast.
23. Corner, southward of Queensbury Villa ...	16.65	8	6	—	5
24. Eastward of Queensbury Villa ...	22.47	12	—	—	—
25. Junction with King Street ...	28.92	12	—	—	—
26. Near end of footpath across Green ...	28.04	2	—	7	6
28. Footpath across Richmond Green ...	25.23	3	—	—	11 1/2
29. Ditto ditto ...	24.64	3	—	—	15
30. By southern corner of Little Green ...	26.37	3	—	—	16
31. Near middle of Little Green ...	26.66	3	—	—	17
32. A little S. of Railway ...	28.23	6	—	—	16 1/2
33. " " N. " " ...	28.57	6	—	—	18 1/2
34. Just N. " " ...	28.35	6	—	—	18
35. Halfway between 34 and 36 ...	23.88	5	—	—	15
36. By Church Road ...	23.04	2	—	—	16 1/2
37. Just S. of St. John's Grove ...	22.86	3	—	—	13 1/2
38. By junction with Mortlake Road	23.76	2	—	—	20 1/2
40. Just W. of lane by Lumley Lodge ...	21.72	2	—	—	19
41. N.E. of Lumley Lodge ...	22.56	2	—	—	22 1/2
42. W. of S. of Pagoda House ...	21.72	3	—	—	20 1/2
43. E. " " " " ...	22.06	3	—	—	23
44. S.S.E. " " " " ...	22.53	4	—	—	20
45. S.E. of Pagoda House at road on S. ...	23.1	4	—	—	20
46. S. of Drill Ground at road on S.	23.42	3	—	—	21 1/2
47. S. of E. end of Barracks ...	22.97	3	—	—	20
48. E. of Barracks, by road on N.	22.73	5	—	—	18
49. Halfway between 48 and 50 ...	26.87	8	—	—	21
50. Just W. of Railway ...	33.71	18	—	—	21
51. " E. " " " ...	33.08	10	—	—	34 1/2
52. N. of Gasworks ...	25.64	2	—	—	80
53. By next road on S. ...	22.56	2	—	—	25
54. " " " " " " ...	21.93	3	—	—	23
56. } 56 to 62 are at about equal distances between 54 and 63	21.33	10	—	—	14
57. } distances between 54 and 63	20.95	3	—	—	17
58. } 63 ...	20.44	3	—	—	3

from Waters of Surrey p27

Sited as c on 6" map individual sites show London Co 6" map London Sheet Middlesex

TQ 17 SE / 39-60

TQ 17 NE / 2

Name and N

To

Geolo. Classifi

59. }
60. } 56 to 62 are at about equal
61. } distances between 54 and 63
62. }
63. At Junction with Kew Lane
64. }
65. } At about equal distances north-
66. } ward along Kew Lane, from
67. } 65 to the corner south-eastward
68. } of West Lodge ...
70. }

Height.	To London Clay.		
20.23	6.17	20.53	6.26
19.77	6.03	19.97	6.09
18.41	5.41	23.41	7.14
17.92	5.46	20.72	6.32
18.05	5.39	21.85	6.66
20.15	6.14	22.85	6.96
22.59	6.89	23.59	7.11
22.05	6.72	26.65	8.12
21.93	6.68	24.33	7.42
22.17	6.76	27.27	8.21
22.7	6.12	21.7	6.48

	To LC	OD
16	6.74	+2.25
17	6.10	+2.03
16 1/2	6.85	+1.75
18 1/2	8.04	+0.64
18	4.92	+1.32
15	6.10	+1.18
16 1/2	5.44	+1.26
13 1/2	5.03	+1.94
20 1/2	6.85	+0.39
19	6.40	+0.22
22 1/2	7.47	-0.59
20 1/2	7.16	-0.54
23	4.92	-1.20
20	7.32	-0.45
20	7.32	-0.22
21 1/2	7.47	-0.33
20	7.01	0.02
18	7.01	-0.08
21	8.84	-0.65
21	11.88	-1.61
34 1/2	12.50	-3.48
80	4.78	-1.93
25	8.23	-1.35
X	7.92	-1.27
Y	7.52	-0.82
Z	6.00	-0.39
AD	6.10	+0.23

Eastern h.s.
 British Geological Survey

Thames NRA.

RECORD OF WELL
 British Geological Survey

For Institute use only Licence No.
 TQ17NE 135 1800-7570 N.....
TQ17/121

At The Athletic Ground
 Kew Foot Road
 Town or Village Richmond
 County Surrey TW9 2SS

270 TQ17NE

TO 1800 7570

EXACT SITE OF WELL

Six-inch National Grid sheet and reference
 For Richmond Athletic Association Limited
 State whether owner, tenant, builder, contractor, consultant, etc.: Owner
 Address (if different from above)

Level of ground surface above sea level (O.D.) *7.00* ft (..... m)
 If well top is not at ground level state how far ~~above~~ below: *0.30* ft (..... m)

AS NECESSARY

SHAFT.....ft (.....m); diameter.....ft (.....m);
 HEADINGS (please attach details—dimensions and directions)
 BORE.....ft (*7.00* m); diameter: at top.....in (*200* mm);
 at bottom.....in (*200* mm)
 Full details of permanent lining tubes (position, length, inner and outer diameters, plain slotted etc.):
7.00 metres of 200mm diameter polypropylene lining tube
installed with the lower 3.00 metres slotted and wrapped
with a sand filter.

TEST CONDITIONS

Water struck at depths offt (*6.00* m) below well top
 Rest level of water.....ft (*5.90* m) ~~above~~ below well top. Suction at.....ft (..... m)
 Yield on.....hours* test pumping at.....galls per (..... l/s) with
 depression to.....ft (.....m) below well top. Recovery to rest level in mins*
 Capacity of pump.....g.p.h. (.....l/s)
 Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:
 Make and/or type Motive power.....
 Capacity.....galls (.....m³) per hour. Suction atft (..... m)
 below well top. Amount pumped.....galls (.....m³) per day. Estimated
 consumptiongalls (.....m³) per week
 Well made by *Smith & Webb (Drilling) Ltd* Date of sinking.....*24.4.91.*

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

LOG OF STRATA OVERLEAF

INSTITUTE OF GEOLOGICAL SCIENCES
 HYDROGEOLOGY UNIT
 EXHIBITION ROAD
 LONDON SW7 2DE

IGS 2494 10 000 7/79

Received from *Smith & Webb Drilling Ltd.*
 Date *22.8.91*
 Observation well.....
 Recorder.....
 ER log.....
 Site marked on
 1" map.....
 6" map—Grid Sheet.....
 (use symbol)
 Copy to.....
 Date.....