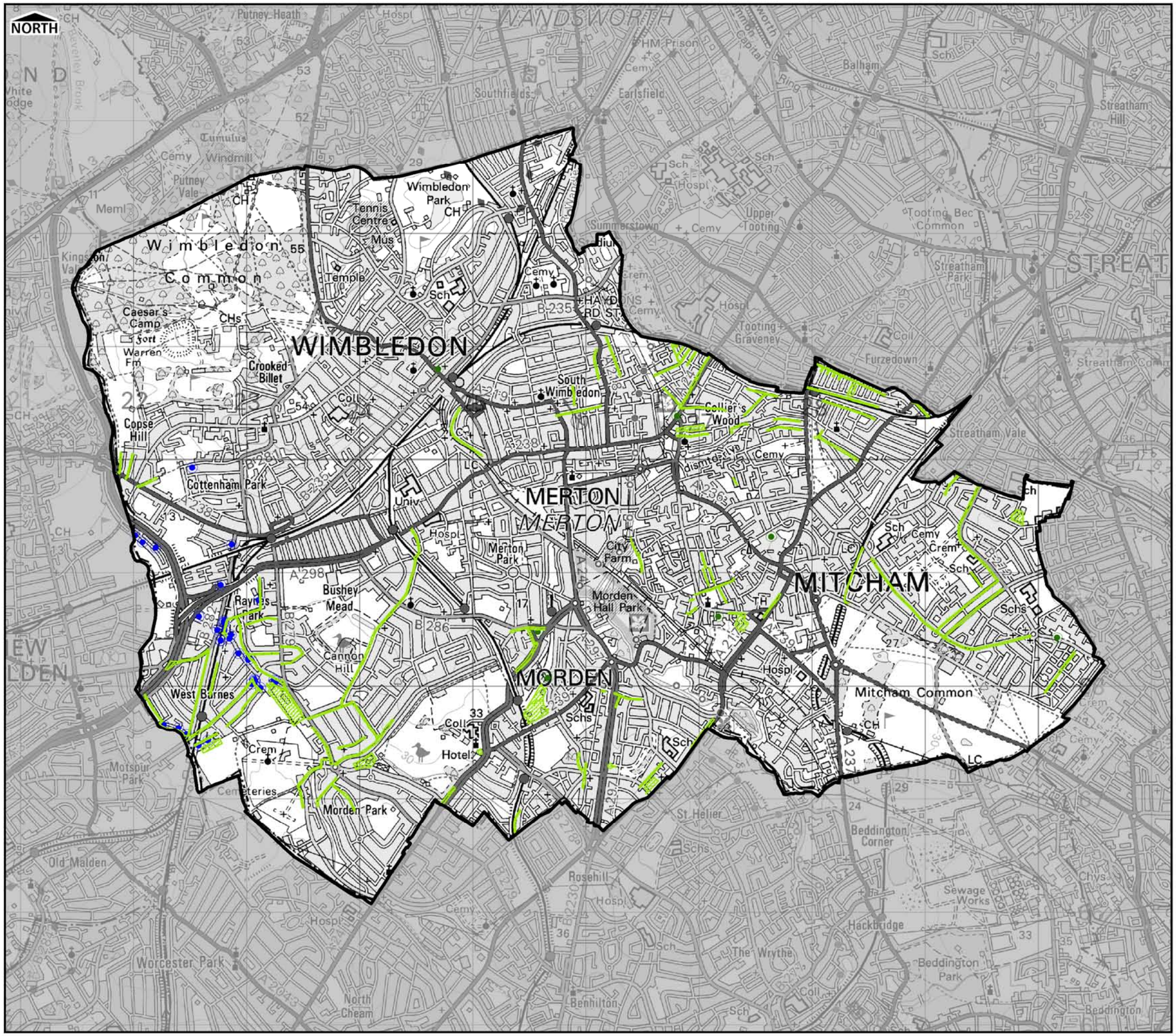
THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED



Legend

- Borough Administrative Area
- Fluvial Flood Incidents
- Surface Water Flooding Incidents
- Surface Water Flood Outline

London Borough of Merton

Preliminary Flood Risk Assessment

Scale at A3	Date	Drawn by	Approved by
1:35,000	11/04/2011	D.SKILTON	J.ROBINSON

Surface Water Flooding Incidents and Fluvial Flooding Incidents

Consultants
CAPITA SYMONDS Flood Risk Management
Scott Wilson
URS / Scott Wilson
6 - 8 Greencoat Place
London
SW1P 1PL

Drain London Programme Board Members

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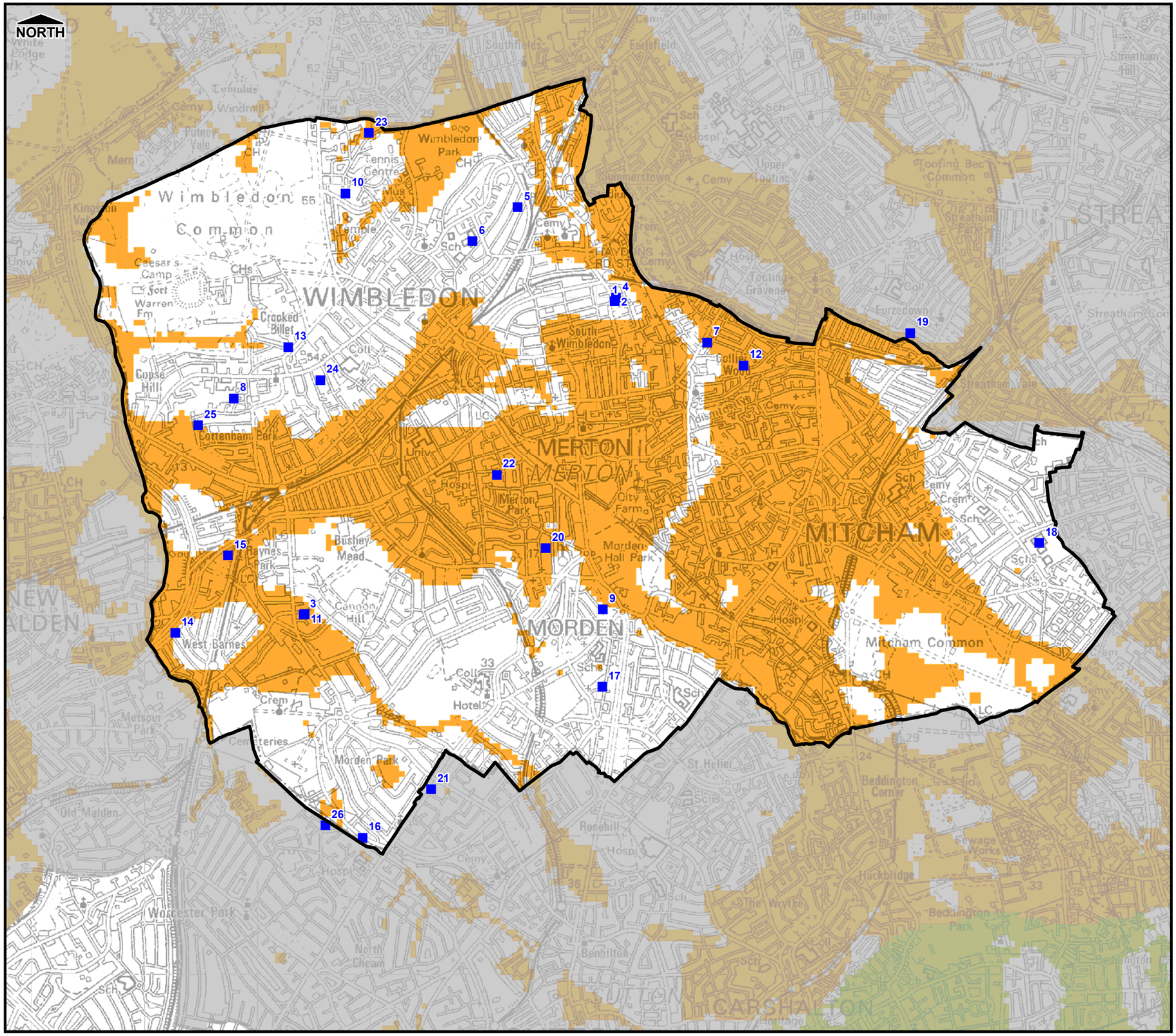
FIGURE 1

Filepath:L:\Water\Projects & Jobs\D1340000\Drain London Tier 2\D134785 Group 7\GIS\Workspaces



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Legend

- Merton Borough Council
- Groundwater Flood Incident (EA Records)

Increased Potential for Elevated Groundwater in

- Permeable Superficial Deposits
- Consolidated Aquifers

Notes

1.The increased Potential for Elevated Groundwater map shows those areas within the London Boroughs where there is an increased potential for groundwater to rise sufficiently to interact with the ground surface or be within 2m of the groundsurface. Such groundwater rise could lead to the following:

-Flooding of basements of buildings below ground level;
-Flooding of buried services or other assets below ground level;
-Inundation of farmland, roads, commercial, residental and amenity areas;
-Flooding of ground floors of buildings above ground level; and Overflowing of sewers and drains

2.Incident records shown are generally unconfirmed and may include issues such as water main bursts or non-groundwater related problems.
3.Areas not shown to have increased potential for elevated groundwater should be considered to have a low potential for elevated groundwater - Lack of information does not imply 'no potential' of elevated groundwater in that area.
4.Includes groundwater flood mapping provided by JBA consulting, Copyright. Jeremy Benn Associates Limited 2008-2011, partially derived from data supplied by the Environment Agency.

London Borough of Merton

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Preliminary Flood Risk Assessment

Scale at A3	Date	Drawn by	Approved by
1:35,000	22/03/2011	C.Woolhouse	S.Cox

Increased Potential For Elevated Groundwater

Consultants
CAPITA SYMONDS Flood Risk Management
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FIGURE 2

Filepath: D134786 Drain London_Tier 2_Group 7\700 Technical\711 GIS\01 Layout\Merton\Increased potential for elevated GW.mxd

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NORTH

SW184
SW185
SW153
SW195
SW170
SW197
SW198
SW194
SW179
SW166
SW191
SW192
SW165
SW200
SW208
SW193
SW164
KT3 4
SW209
SM4 5
KT3 6
SM4 4
SM4 6
CR9 3
CR0 4
KT4 8
SM3 9

Wimbledon Common
Wimbledon Park
Tennis Centre
Temple Sch
Caesar's Camp
Crooked Billet
WIMBLEDON
South Wimbledon
Collier's Wood
MERTON
Merton Park
Raynes Park
Bushey Mead
Cannon Hill
MORDEN
Morden Hall Park
Morden Park
MITCHAM
Mitcham Common
CR4 1
CR4 2
CR4 3
CR4 4

0 1 2km

Legend

Borough Administrative Area

No. of Sewer Flood Records

- None
- 1 - 5
- 6 - 10
- 11 - 20
- 21 - 50
- 51 - 100
- 101+

Notes

1. Sewer flood records relate to internal and external flooding of properties
2. Data supplied by Thames Water Ltd and is correct as at June 2010

London Borough of Merton

Preliminary Flood Risk Assessment

Scale at A3	Date	Drawn by	Approved by
1:35,000	30/03/2011	D.SKILTON	J.ROBINSON

Sewer Flooding Incidents

Consultants
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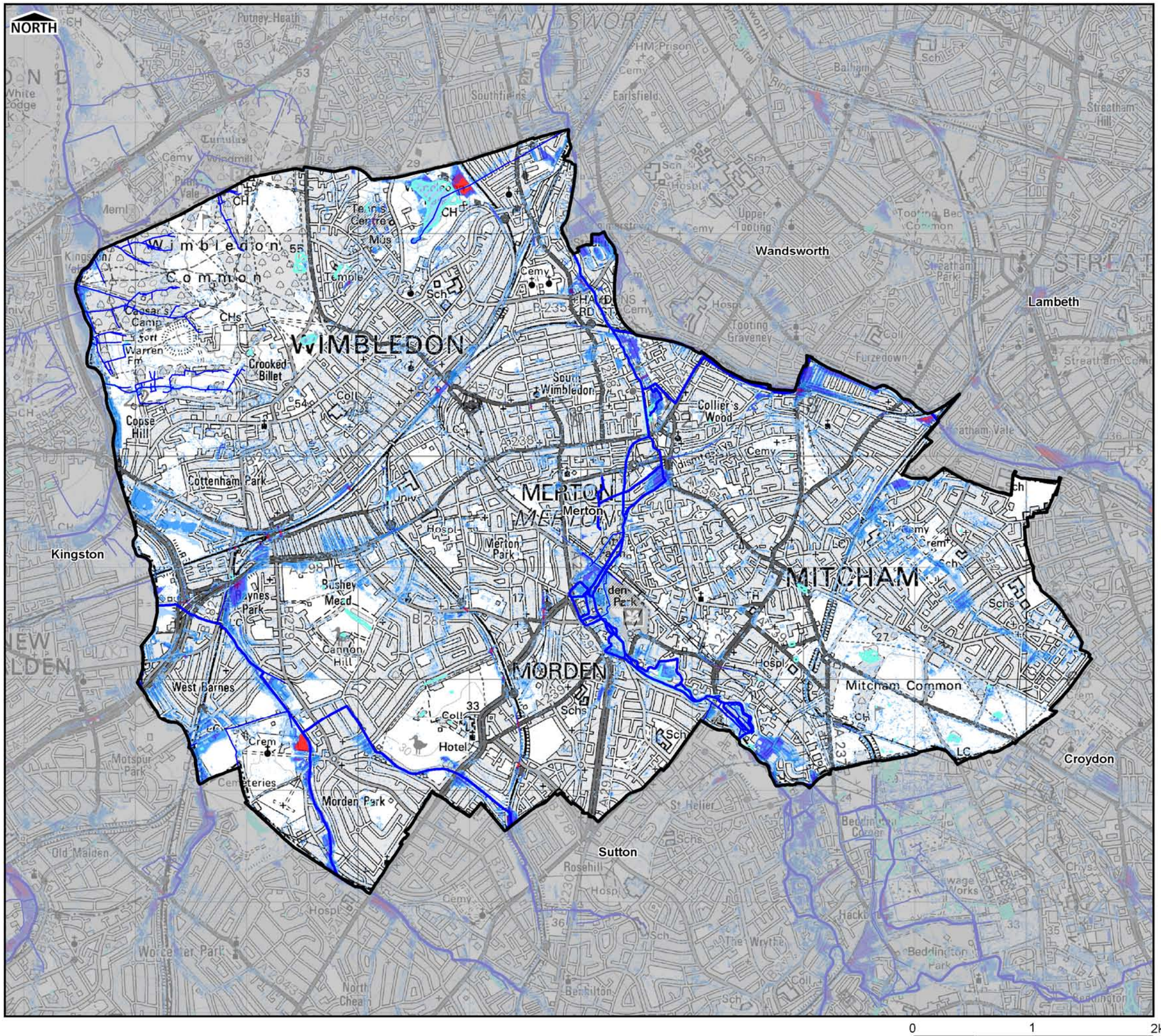
FIGURE 3

Filepath:L:\Water\Projects & Jobs\D134000\Drain London Tier 2\D134785 Group 7\GIS\Workspaces



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Legend

- Borough Administrative Boundary
- Permanent Water Bodies
- Main River
- Ordinary Watercourse

Flood Depth

- <0.1m
- 0.1m to 0.25m
- 0.25m to 0.5m
- 0.5m to 1.0m
- 1.0m to 1.5m
- >1.5m

Notes

1. This map only shows the predicted likelihood of surface water flooding (this includes flooding from sewers, drains, small watercourses and ditches that occurs in heavy rainfall) for defined areas, and due to the coarse nature of the source data used, are not detailed enough to account for precise addresses.
2. Users of this map should refer to section 3.2 of the Surface Water Management Plan for a complete description of limitations and accuracy of the flood/hazard extents shown.
3. This map provides a strategic overview of surface water flood risk and may be subject to further analysis in the future.

London Borough of Merton

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Preliminary Flood Risk Assessment

Scale at A3	Date	Drawn by	Approved by
1:35,000	12/04/2011	D.SKILTON	J.ROBINSON

Surface Water Depth (m) 1 in 200 Chance of rainfall event occuring in any given year (0.5% AEP)

Consultants
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London
SW1P 1PL

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FIGURE 4

Filepath: I:\5004 - Information Systems\D134785 D134786 DRAIN LONDON Tier 2\02 Workspaces\Merton Figure D-15 Surface Water Depth 200yr.wor

NORTH

Wandsworth
WIMBLEDON
Wimbledon Common
MERTON
MORDEN
MITCHAM
Lambeth
Croydon
Sutton
Kingston

Legend

- Borough Administrative Boundary
- Permanent Water Bodies
- Main River
- Ordinary Watercourse

Flood Hazard

- <0.75 Caution (Very low hazard)
- 0.75 - 1.25 Moderate (Danger for some)
- 1.25 - 2.0 Significant (Danger for most)
- <2.0 Extreme (Danger for all)

Notes

1. Flood Hazard has been defined based upon the joint EA and Defra R&D Technical Report FD2320 (January 2006).
2. Degree of flood hazard can be interpreted as follows:
- Caution: Flood zone with shallow flowing water or deep standing water
- Moderate: Flood zone with deep or fast flowing water. Dangerous for children, the elderly and the infirm
- Significant: Flood zone with deep fast flowing water. Dangerous for most people.
- Extreme: Flood zone with deep fast flowing water. Dangerous for all (including emergency services)

0 1 2km

London Borough of Merton

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Preliminary Flood Risk Assessment

Scale at A3	Date	Drawn by	Approved by
1:35,000	13/04/2011	D.SKILTON	J.ROBINSON

Surface Water Flood Hazard Rating
1 in 200 Chance of rainfall event occuring in any given year (0.5% AEP)

Consultants
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London
SW1P 1PL

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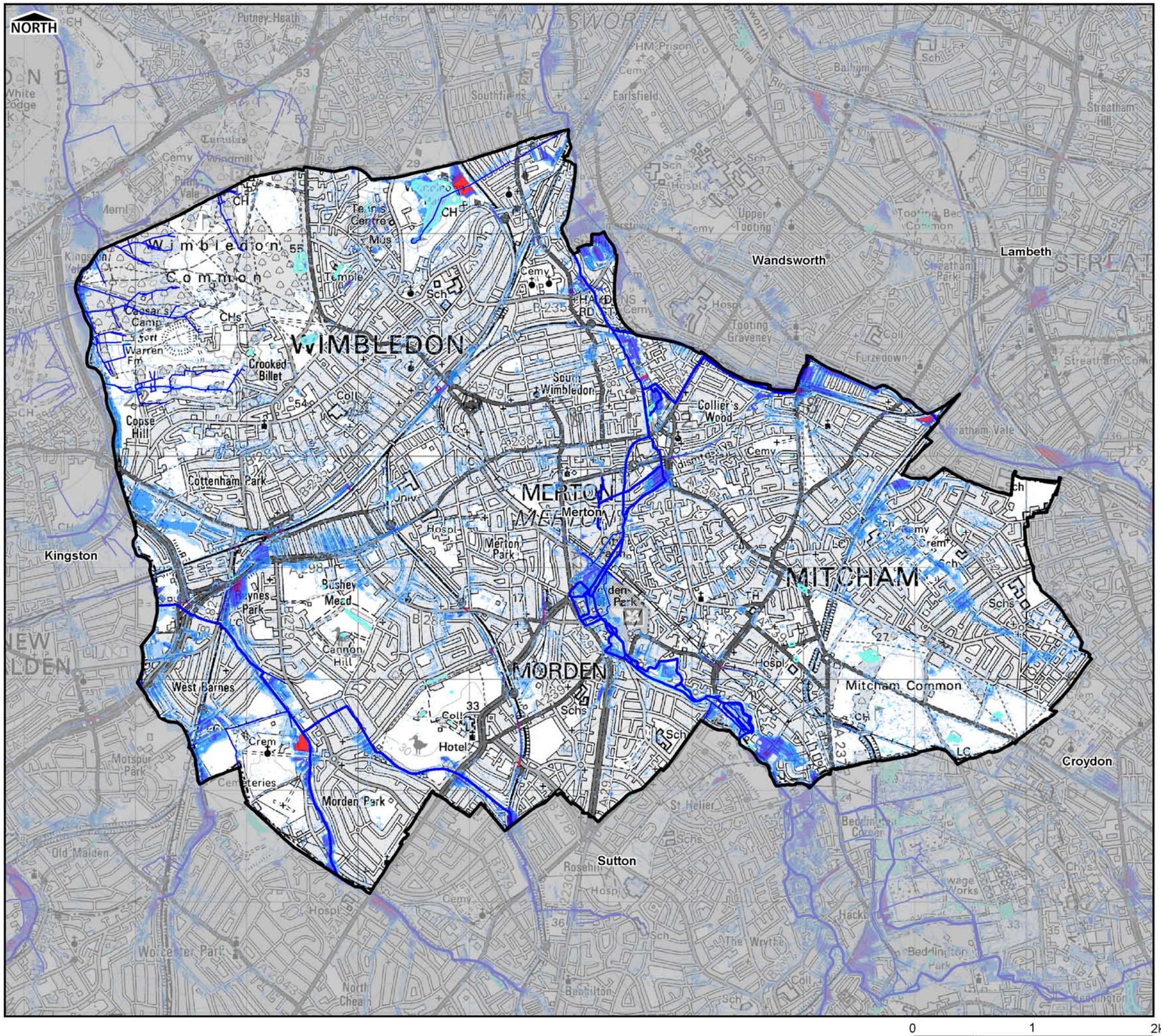
FIGURE 5

Filepath: I:\5004 - Information Systems\D134785 D134786 DRAIN LONDON Tier 2\02 Workspaces\Merton Figure D-16 Surface Water Flood Hazard 200yr.wor



THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

- Borough Administrative Boundary
- Permanent Water Bodies
- Main River
- Ordinary Watercourse

Flood Depth

- <0.1m
- 0.1m to 0.25m
- 0.25m to 0.5m
- 0.5m to 1.0m
- 1.0m to 1.5m
- >1.5m

Notes

1. This map only shows the predicted likelihood of surface water flooding (this includes flooding from sewers, drains, small watercourses and ditches that occurs in heavy rainfall) for defined areas, and due to the coarse nature of the source data used, are not detailed enough to account for precise addresses.
2. Users of this map should refer to section 3.2 of the Surface Water Management Plan for a complete description of limitations and accuracy of the flood/hazard extents shown.
3. This map provides a strategic overview of surface water flood risk and may be subject to further analysis in the future.

London Borough of Merton

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Preliminary Flood Risk Assessment

Scale at A3	Date	Drawn by	Approved by
1:35,000	12/04/2011	D.SKILTON	J.ROBINSON

Surface Water Depth (m) 1 in 100 Chance of rainfall event occuring in any given year (1% AEP) plus Climate Change

Consultants
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London
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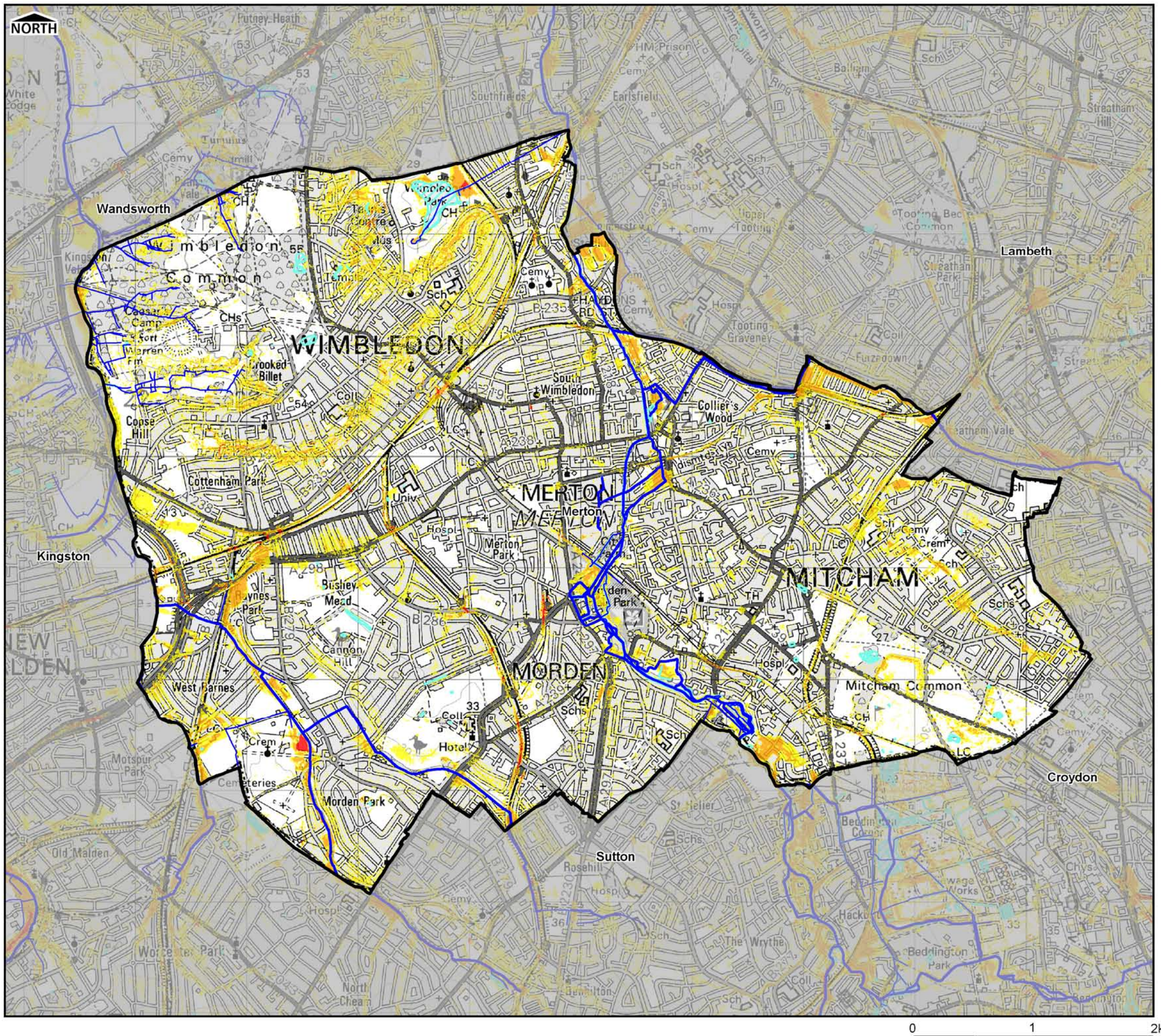
FIGURE 6

Filepath: I:\5004 - Information Systems\D134785 D134786 DRAIN LONDON Tier 2\02 Workspaces\Merton Figure D-13 Surface Water Depth 100yrCC.wor



THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

- Borough Administrative Boundary
- Permanent Water Bodies
- Main River
- Ordinary Watercourse

Flood Hazard

- <0.75 Caution (Very low hazard)
- 0.75 - 1.25 Moderate (Danger for some)
- 1.25 - 2.0 Significant (Danger for most)
- <2.0 Extreme (Danger for all)

Notes

1. Flood Hazard has been defined based upon the joint EA and Defra R&D Technical Report FD2320 (January 2006).
2. Degree of flood hazard can be interpreted as follows:
- Caution: Flood zone with shallow flowing water or deep standing water
- Moderate: Flood zone with deep or fast flowing water. Dangerous for children, the elderly and the infirm
- Significant: Flood zone with deep fast flowing water. Dangerous for most people.
- Extreme: Flood zone with deep fast flowing water. Dangerous for all (including emergency services)

London Borough of Merton

Preliminary Flood Risk Assessment

Scale at A3	Date	Drawn by	Approved by
1:35,000	12/04/2011	D.SKILTON	J.ROBINSON

Surface Water Flood Hazard Rating 1 in 100 Chance of rainfall event occuring in any given year (1.3% AEP) plus Climate Change

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FIGURE 7

Filepath: I:\5004 - Information Systems\D134785 D134786 DRAIN LONDON Tier 2\02 Workspaces\Merton Figure D-14 Surface Water Flood Hazard 100yr.wor