

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

- Legend**
- Lambeth Borough Council
  - Groundwater Flood Incident (EA Records)
  - Groundwater Flood Incident (Other 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 ground surface. 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, residential 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 the potential of elevated groundwater in that area.
4. Includes groundwater hood mapping provided by JBA consulting. Copyright: Jeremy Benn Associates Limited 2008-2011, partially derived from data supplied by the Environment Agency.

**London Borough of Lambeth**



**Surface Water Management Plan**

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|-------------|------------|--------------|-------------|
| Scale at A3 | Date       | Drawn by     | Approved by |
| 1:45,000    | 22/03/2011 | C. Woodhouse | S. Cox      |

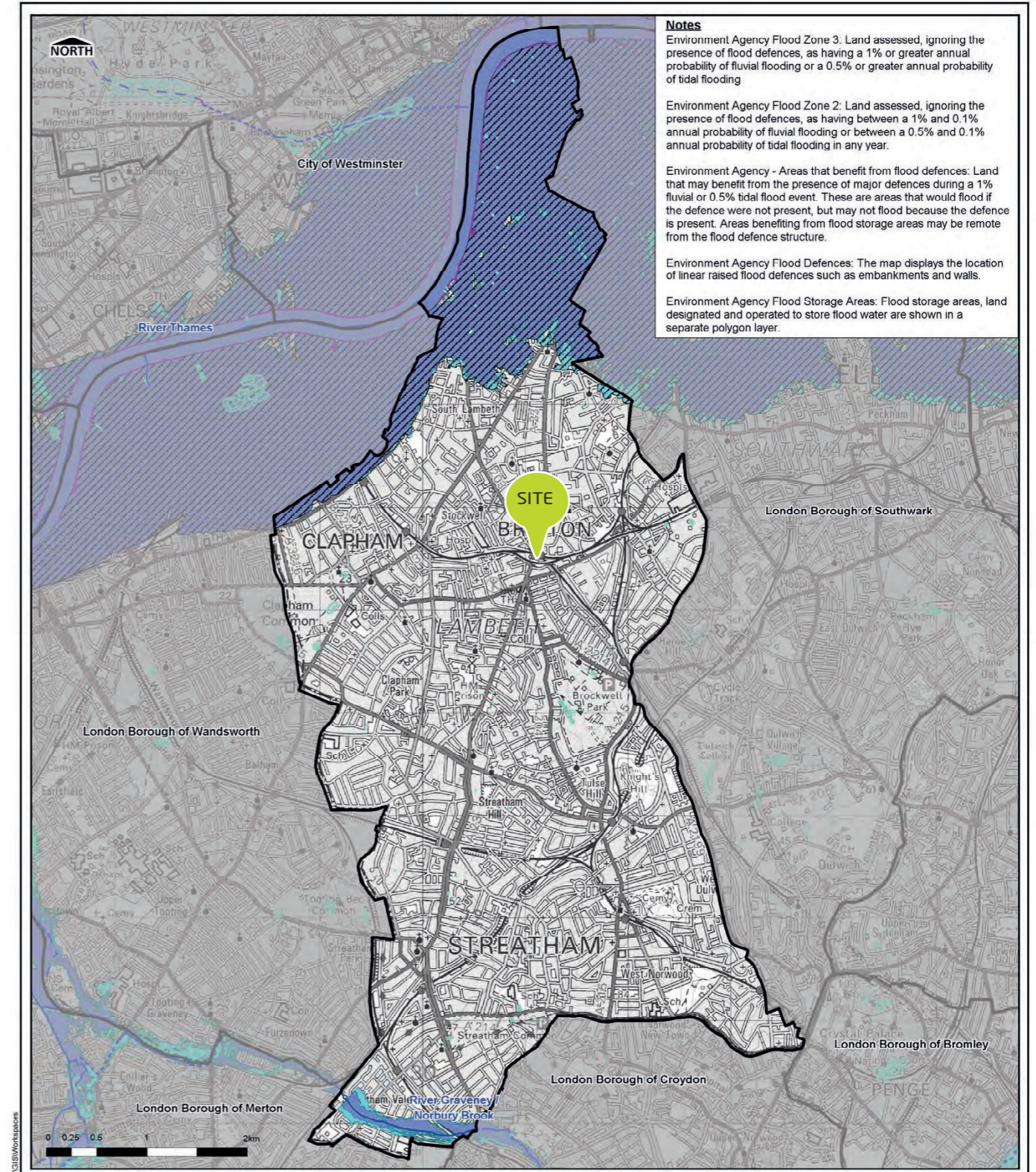
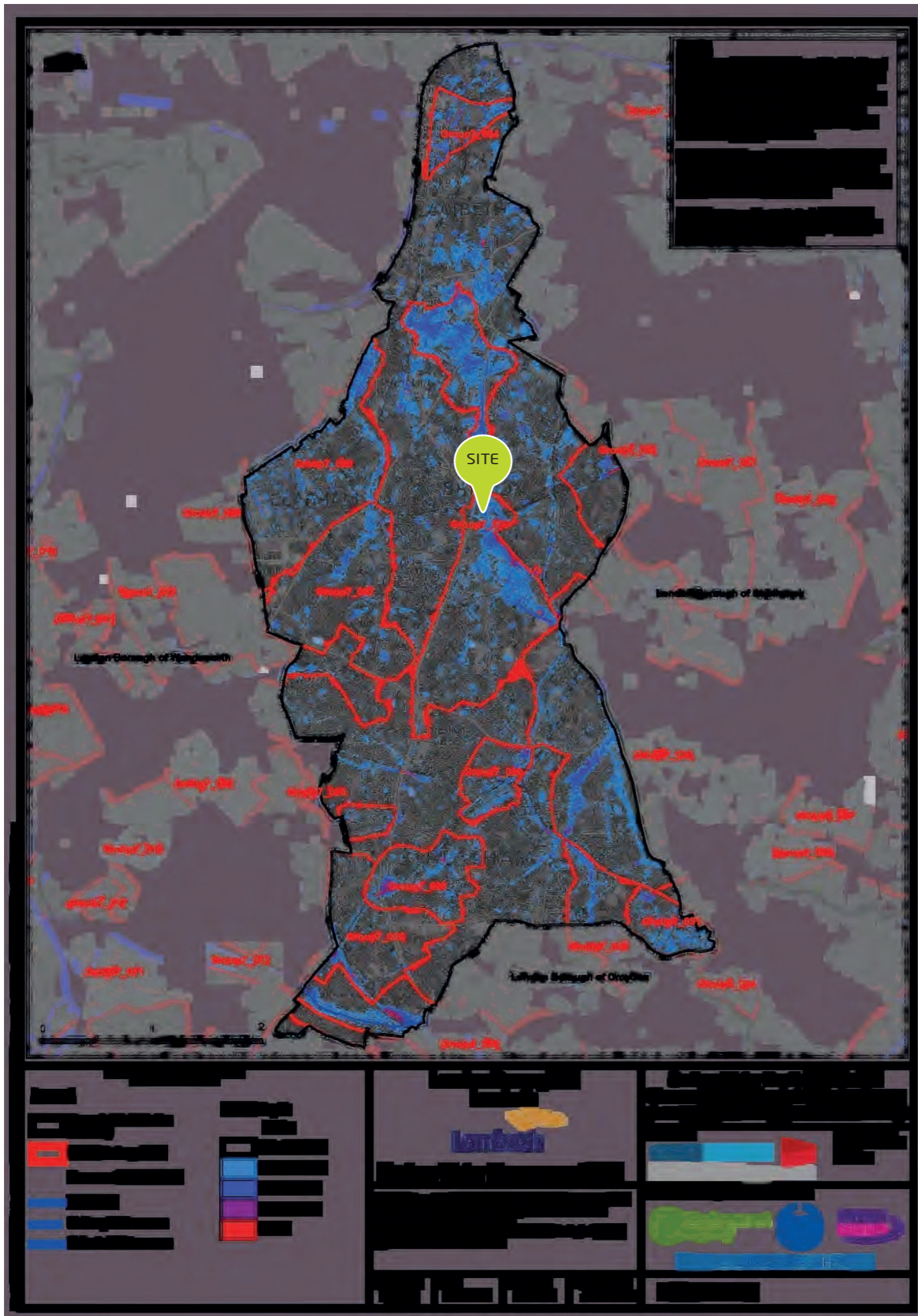
**Increased Potential For Elevated Groundwater**

**Consultants**  
**CAPITA SYMONDS**  
 Flood Risk Management  
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Drain London Programme Board Members



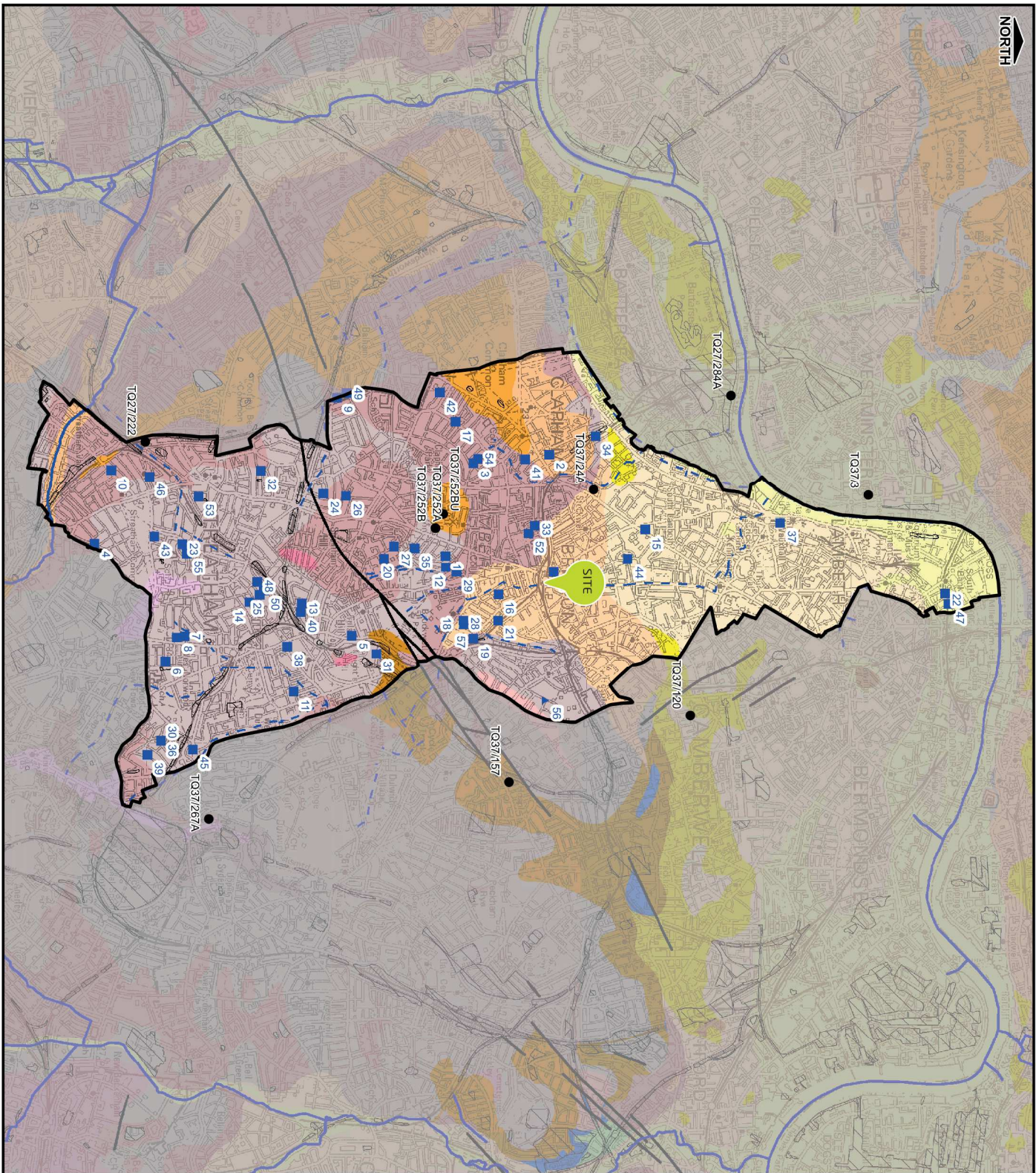
**FIGURE 3.5.1**



**Notes**  
 Environment Agency Flood Zone 3: Land assessed, ignoring the presence of flood defences, as having a 1% or greater annual probability of fluvial flooding or a 0.5% or greater annual probability of tidal flooding  
 Environment Agency Flood Zone 2: Land assessed, ignoring the presence of flood defences, as having between a 1% and 0.1% annual probability of fluvial flooding or between a 0.5% and 0.1% annual probability of tidal flooding in any year.  
 Environment Agency - Areas that benefit from flood defences: Land that may benefit from the presence of major defences during a 1% fluvial or 0.5% tidal flood event. These are areas that would flood if the defence were not present, but may not flood because the defence is present. Areas benefiting from flood storage areas may be remote from the flood defence structure.  
 Environment Agency Flood Defences: The map displays the location of linear raised flood defences such as embankments and walls.  
 Environment Agency Flood Storage Areas: Flood storage areas, land designated and operated to store flood water are shown in a separate polygon layer.

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|  |                    |   |                           |   |  |
|--|--------------------|---|---------------------------|---|--|
| <b>Legend</b><br>Borough Administrative Boundary<br>Flood Zone 2<br>Flood Zone 3<br>Main River<br>Ordinary Watercourse<br>Culverted Watercourse<br>Permanent Water Bodies<br>Areas Benefiting from Flood Defences<br>Flood Storage Areas<br>Defences |                    | <b>London Borough of Lambeth</b><br><br><b>Surface Water Management Plan</b><br>© Crown Copyright. All rights reserved. GLA (LA100032379) 2011<br>Covers all data that has been supplied and distributed under license for the Drain London project.<br>Digital geological data reproduced from British Geological Survey (c) NERC Licence No 2011/053A |                           | <b>Environment Agency Flood Map</b><br>Consultants:<br><br>Flood Risk Management<br>Drain London Programme Board Members:<br><br><br><br>GREATER LONDON AUTHORITY |  |
| Scale at A3<br>1:35,000  | Date<br>28/07/2011 | Drawn by<br>D.SKILTON   | Approved by<br>J.ROBINSON | <b>FIGURE D-3</b>   |  |



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**Legend**

- Lambeth Borough Council
  - Groundwater Flood Incident (EA Records)
  - Groundwater Flood Incident (Ofw Records)
  - Environment Agency Monitoring Borehole
  - Lost Rivers (Lambeth BC, 2011)
  - Main Rivers
  - Faults
  - Artificial (Undivided)
- Superficial Geology**
- Head
  - Peat
  - Alluvium
  - Langley Silt Member
  - Kempston Park Gravel Formation
  - Taplow Gravel Formation
  - Hackney Gravel Member
  - Lynch Hill Gravel Member
  - Boyn Hill Gravel Member
  - Black Park Gravel Member
  - Sand and Gravel of Uncertain age

**Bedrock Geology**

- Bagshot Formation
- Claygate Member
- London Clay Formation
- Lambeth Group
- Harwich Formation
- Thanet Sand Formation
- Upper Chalk (Undifferentiated)
- Middle Chalk (Undifferentiated)
- Lewes Nodular Chalk Formation
- New Pit Chalk Formation

**London Borough of Lambeth**



**Surface Water Management Plan**

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| 1:45,000    | 22/03/2011 | C.Woodhouse | S.Cox       |

**Bedrock and Superficial Geology**

**Consultants**

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**FIGURE 2**