








Figures B1 – B7

Legend

-  Borough Administrative Boundary
 -  Main River
 -  Ordinary Watercourse
 -  Culverted Watercourse
 -  Permanent Water Bodies
- Flood Zones
-  Flood Zone 3
 -  Flood Zone 2

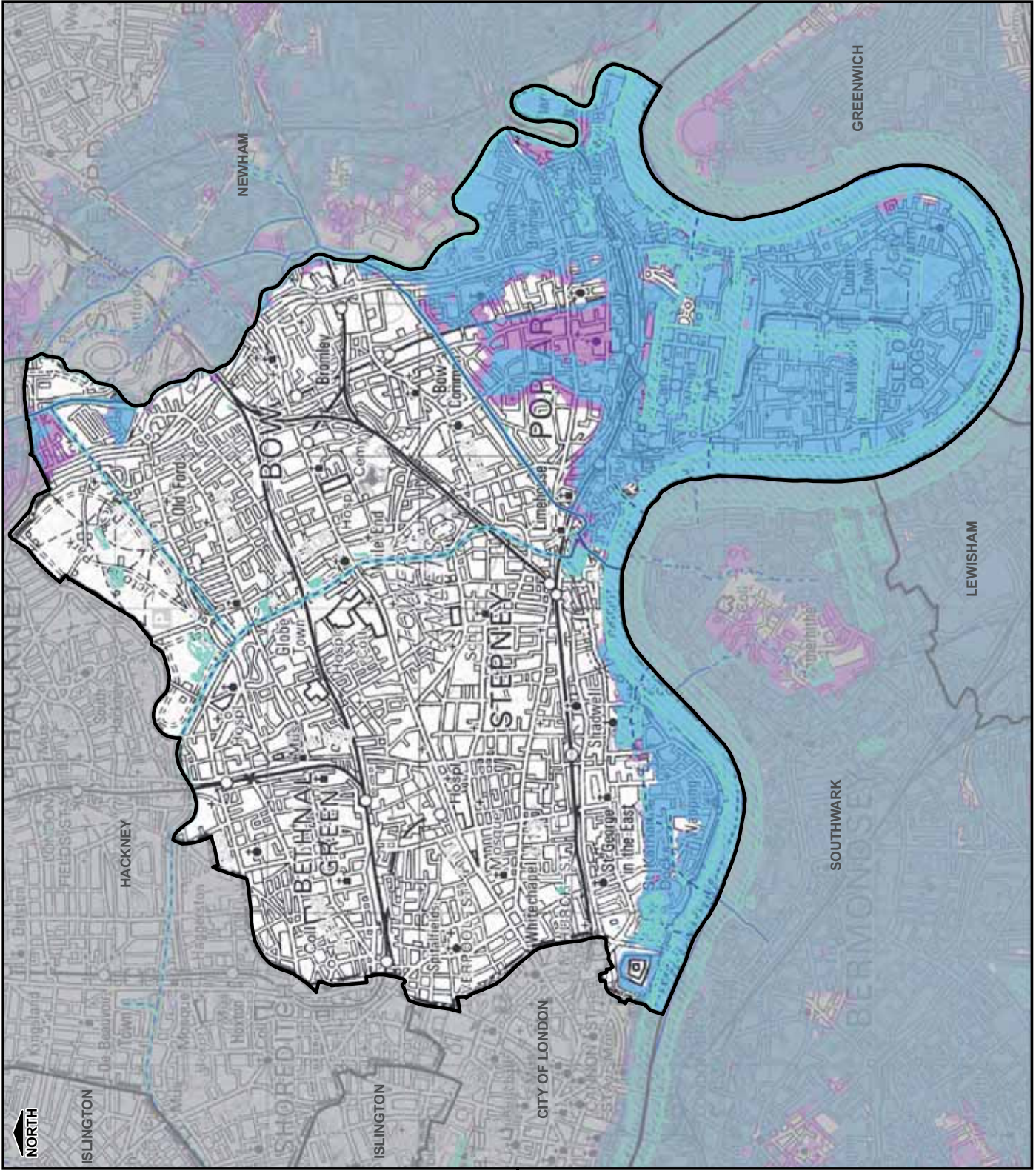
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FLOOD ZONE DATA PROVIDED BY THE ENVIRONMENT AGENCY 2011. ALL RIGHTS RESERVED (REF: NE28184BC), REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA © CROWN COPYRIGHT 2011. ALL RIGHTS RESERVED. LICENCE NUMBER 0100031673

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**TOWER HAMLETS
LEVEL 2 STRATEGIC FLOOD
RISK ASSESSMENT**







Figure B.1
Flood Zone Maps



Legend

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

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

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.

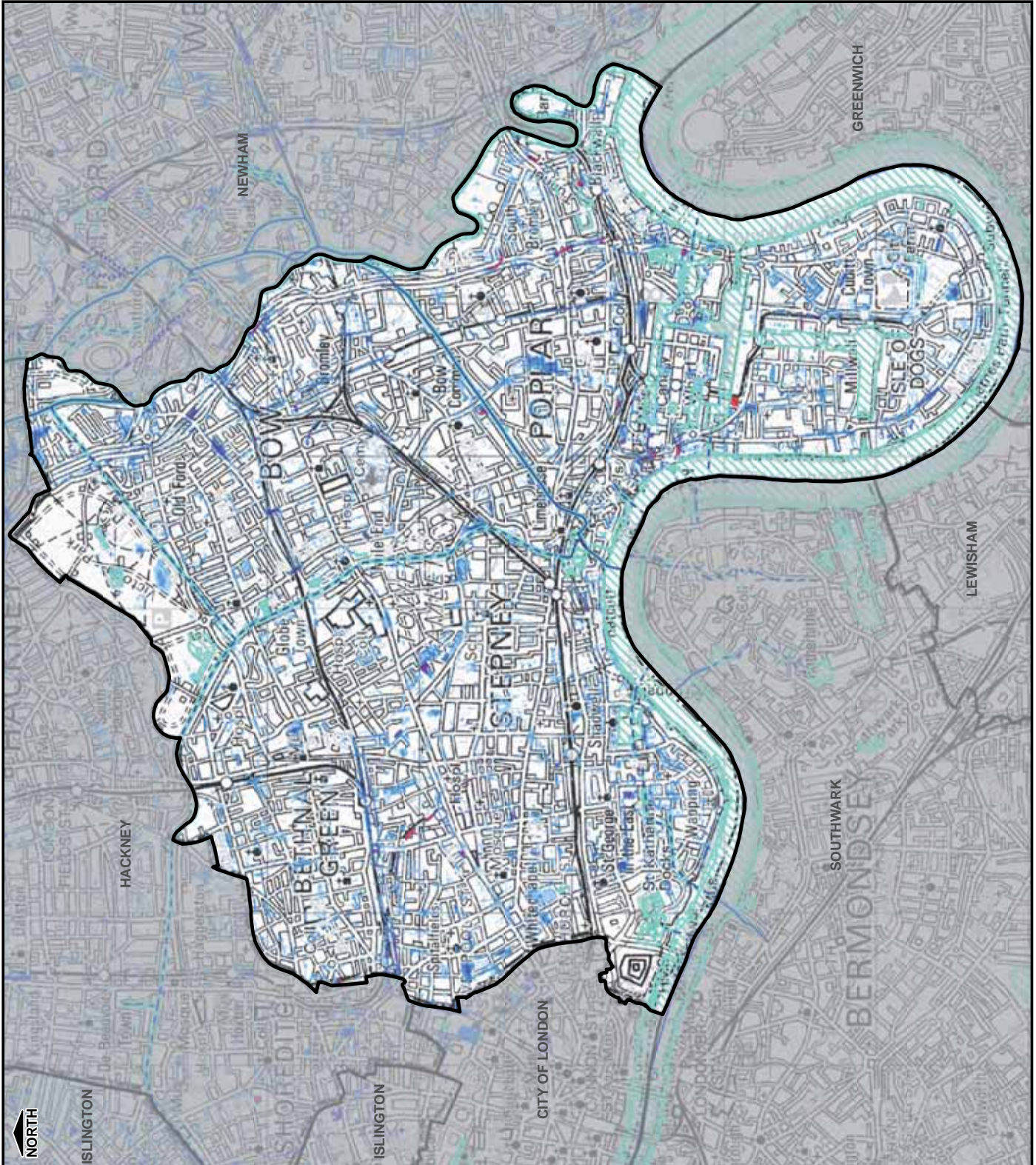
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

TOWER HAMLETS LEVEL 2 STRATEGIC FLOOD RISK ASSESSMENT

Figure B.2
Surface Water Depth:
1% AEP Rainfall Event



0 0.25 0.5 1 1.5 2 Kilometres

Legend

-  Borough Administrative Boundary
 -  Main River
 -  Ordinary Watercourse
 -  Culverted Watercourse
 -  Permanent Water Bodies
- Critical Flood Hazard**
-  Caution (very low hazard)
 -  Moderate (danger for some)
 -  Significant (danger for most)
 -  Extreme (danger for all)

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. Flood Hazard has been defined based upon the Joint EA and Defra R&D Technical Report FD2320 (January 2006).
3. 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)

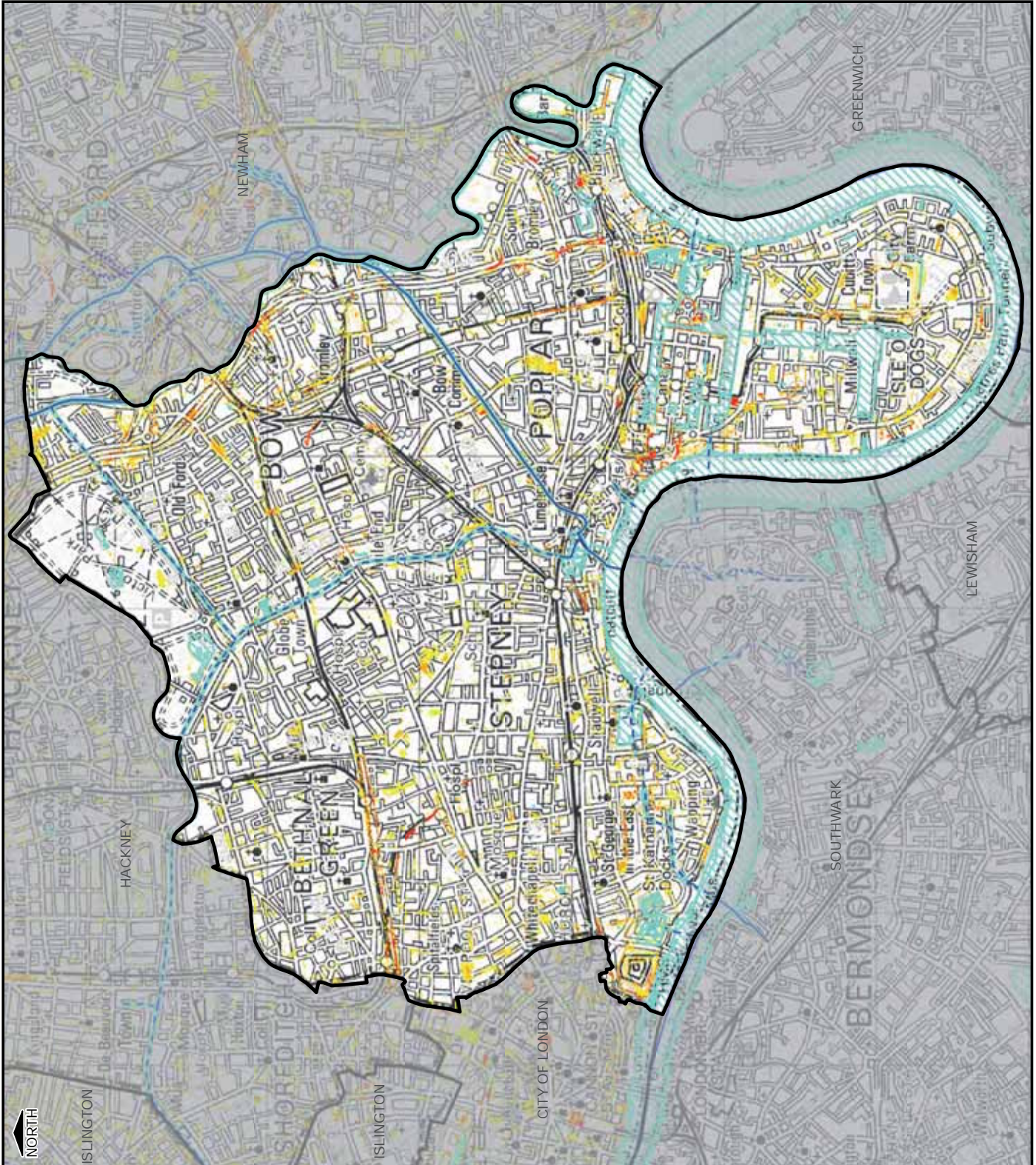
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
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TOWER HAMLETS LEVEL 2 STRATEGIC FLOOD RISK ASSESSMENT

Figure B.3
Surface Water Flood Hazard:
1% AEP Rainfall Event



Legend

-  Borough Administrative Boundary
-  Main River
-  Ordinary Watercourse
-  Culverted Watercourse
-  Permanent Water Bodies
-  Increased Potential for Elevated Groundwater in
-  Permeable Superficial Deposits
-  Consolidated Aquifers

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 2 m of the ground surface. Such groundwater rise could lead to the following consequences:

- flooding of basements of buildings below ground level;
- inundation 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. Areas not shown to have increased potential for elevated groundwater should be considered to have a low potential for potential of elevated groundwater – Lack of information does not imply no potential of elevated groundwater in that area.

3. Includes groundwater flood mapping provided by JBA Consulting, Copyright © Jeremy Benn Associates Limited 2008-2011, partially derived from data supplied by the Environment Agency

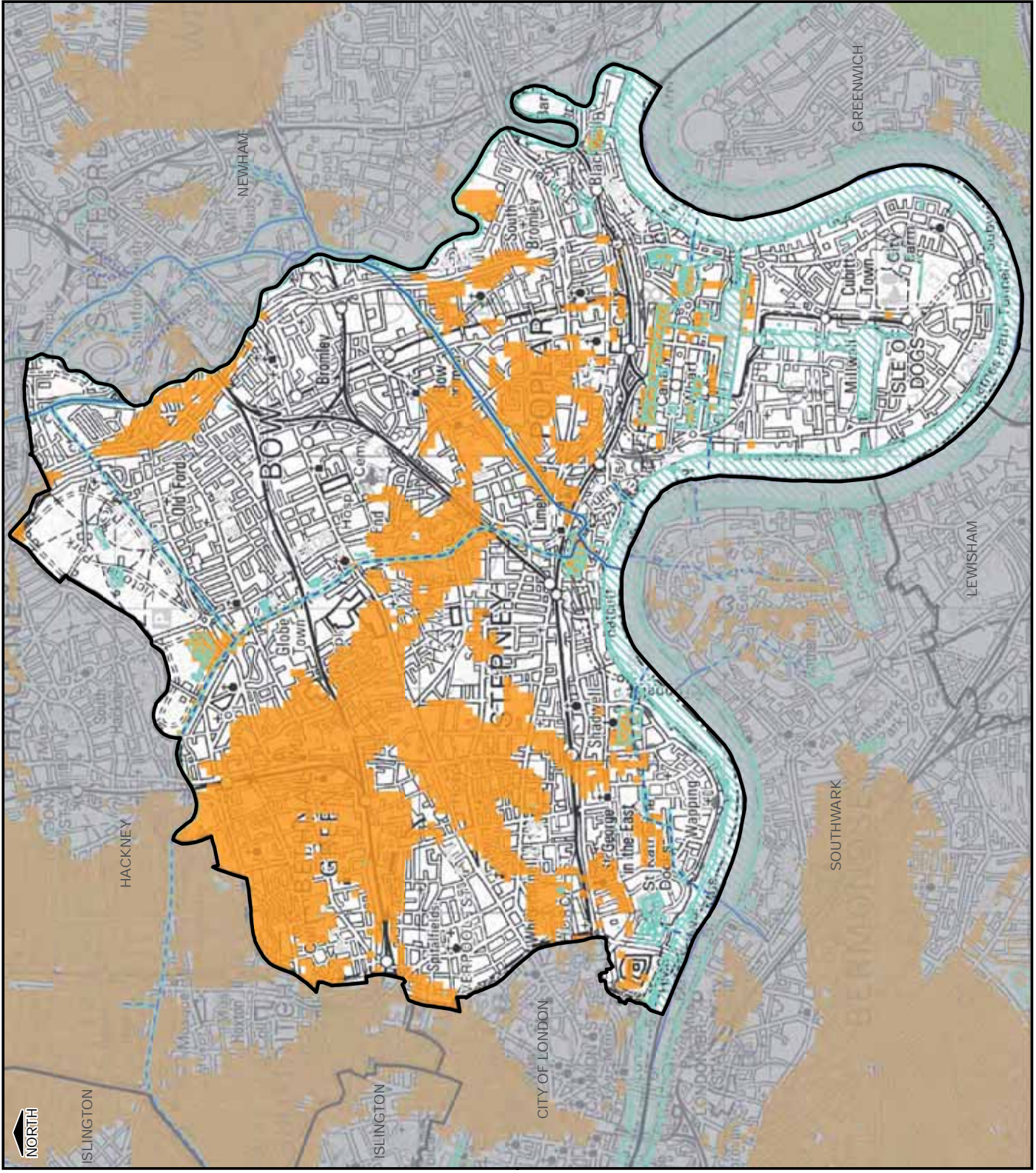
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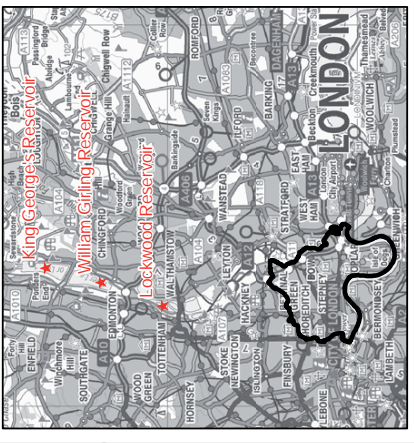
**TOWER HAMLETS
LEVEL 2 STRATEGIC FLOOD
RISK ASSESSMENT**

Figure B.4
Increased Potential for
Elevated Groundwater Map



Legend

-  Borough Administrative Boundary
-  Breach Flood Extent of King George's Reservoir
-  Breach Flood Extent of William Girling Reservoir
-  Breach Flood Extent of Lockwood Reservoir



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RESERVOIR INUNDATION MAPPING PROVIDED BY THE ENVIRONMENT AGENCY 2011. ALL RIGHTS RESERVED (REF: NE28184BC).

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RISK ASSESSMENT**

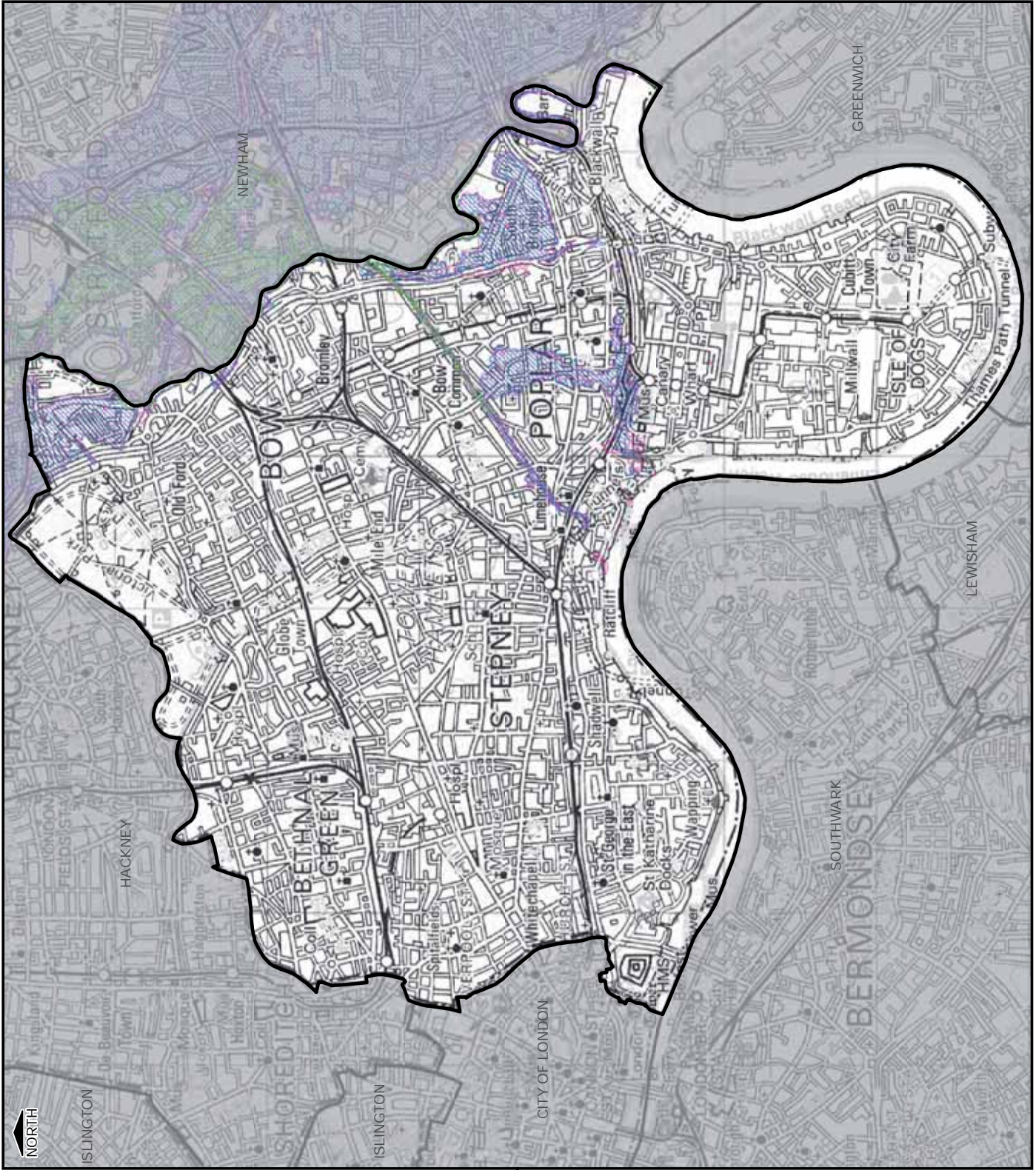
Figure B.5

Reservoir Inundation Mapping

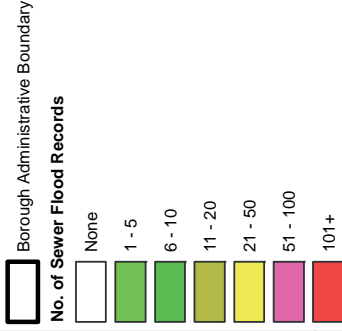



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Legend



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

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LEVEL 2 STRATEGIC FLOOD
RISK ASSESSMENT**

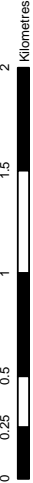
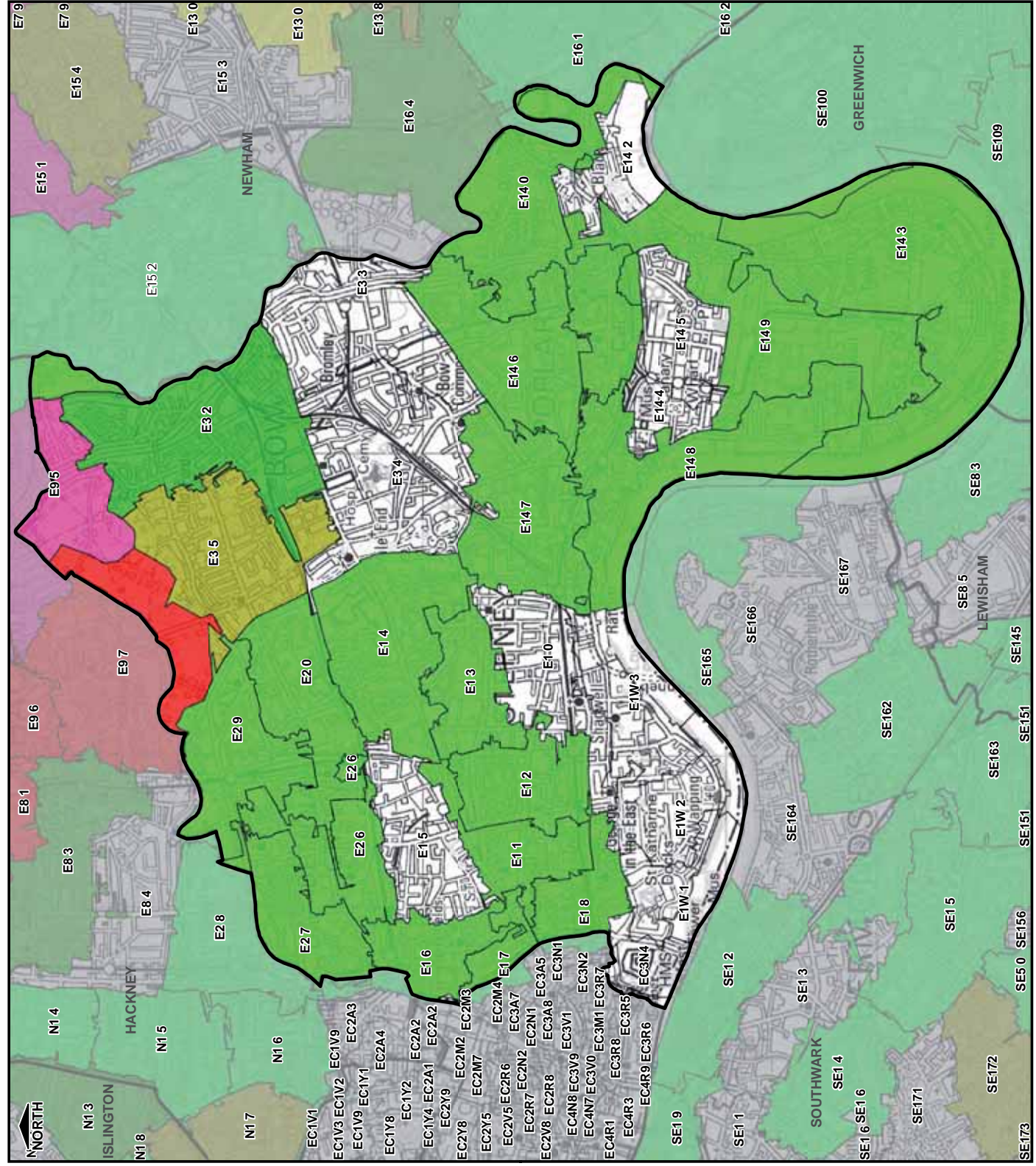
Figure B.6
Recorded Incidents of Sewer Flooding



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-



Legend

-  Borough Administrative Boundary
-  Main River
-  Ordinary Watercourse
-  Culverted Watercourse
-  Permanent Water Bodies
-  Key Development Sites

Key Development Sites

1. Bishopsgate Goods Yard
2. Hollybush Gardens
3. Marian Place gas works and The Oval
4. Goodmans Fields
5. Royal London Hospital
6. John Orwell Sports Centre
7. News International
8. St George's Pools
9. Fish Island Area Action Plan
10. Mile End Hospital
11. Southern Grove Lodge
12. Toby Lane Depot and 11-13 Solebay Street
13. Bow Locks
14. Bromley-by-Bow Redevelopment
15. Bow Common gas works
16. Chrisp Street town centre
17. Cording Street
18. Poplar Baths
19. Alisa Street
20. Leven Road gas works
21. Sorrell Lane
22. Leamouth Peninsula
23. Reuters LTD
24. Blackwall Reach Regeneration Project
25. Aspen Way
26. Wood Wharf
27. Billingsgate Market
28. Millennium Quarter
29. Westferry Printworks
30. Crossharbour town centre
31. Marshwall East

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Figure B.7

Key Development Sites



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