

Legend

- Luton Borough Council Boundary
- Study Area
- Historic Groundwater Flooding
- Recent Groundwater Trend**
- Constant
- Falling
- Fluctuating
- No Past Data; No past data
- Rising

Notes

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

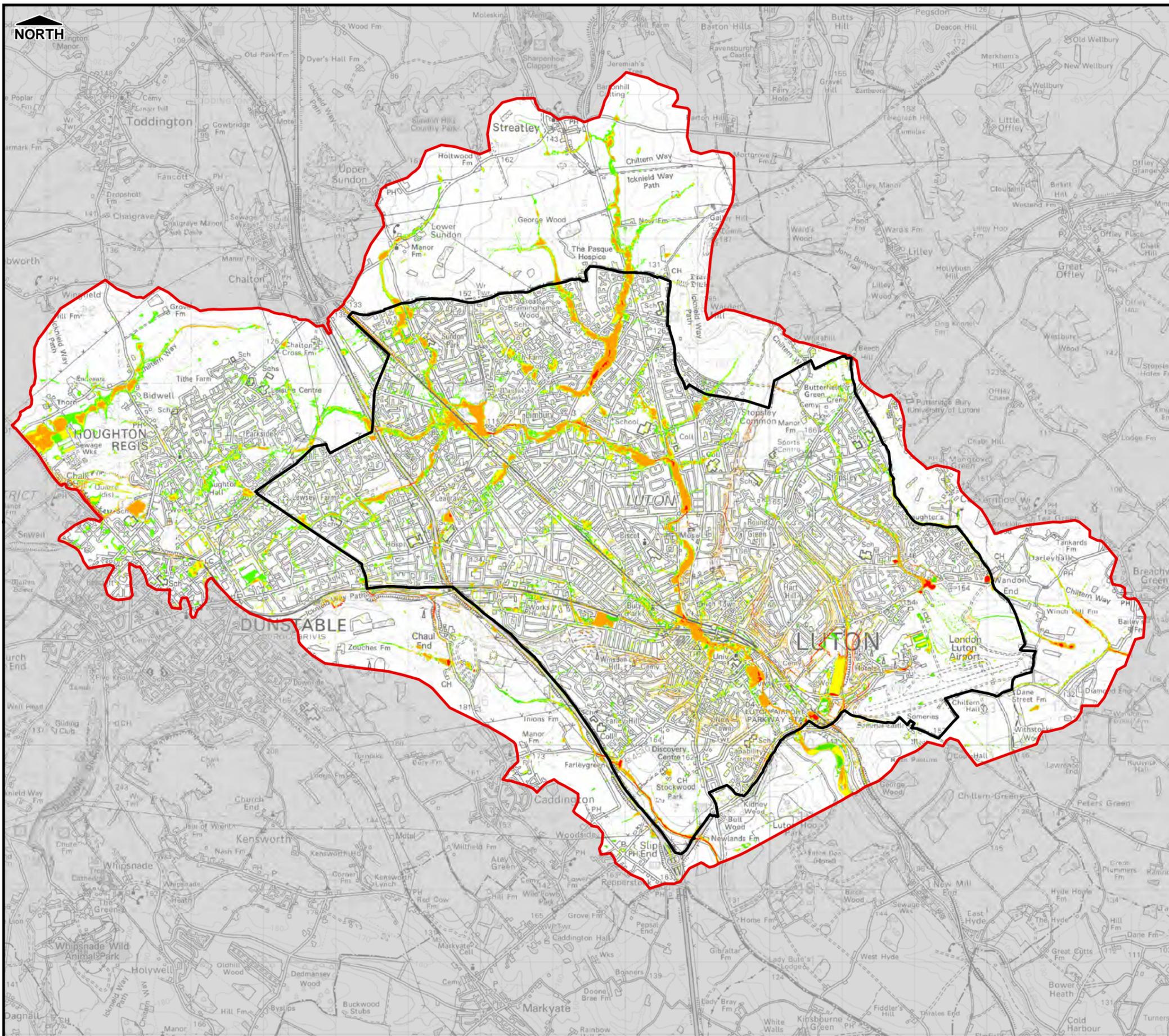
© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	18/10/2012	R.EABRY	M.ARTHUR

Groundwater Level Trends

Consultant
CAPITA SYMONDS
 Flood Risk Management
 Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 10



Legend

-  Luton Borough Council Boundary
-  Study Area
- Flood Hazard**
-  Caution (Very Low Hazard)
-  Moderate (Danger for Some)
-  Significant (Danger for Most)
-  Extreme (Danger for All)

Notes

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	18/10/2012	R.EABRY	M.ARTHUR

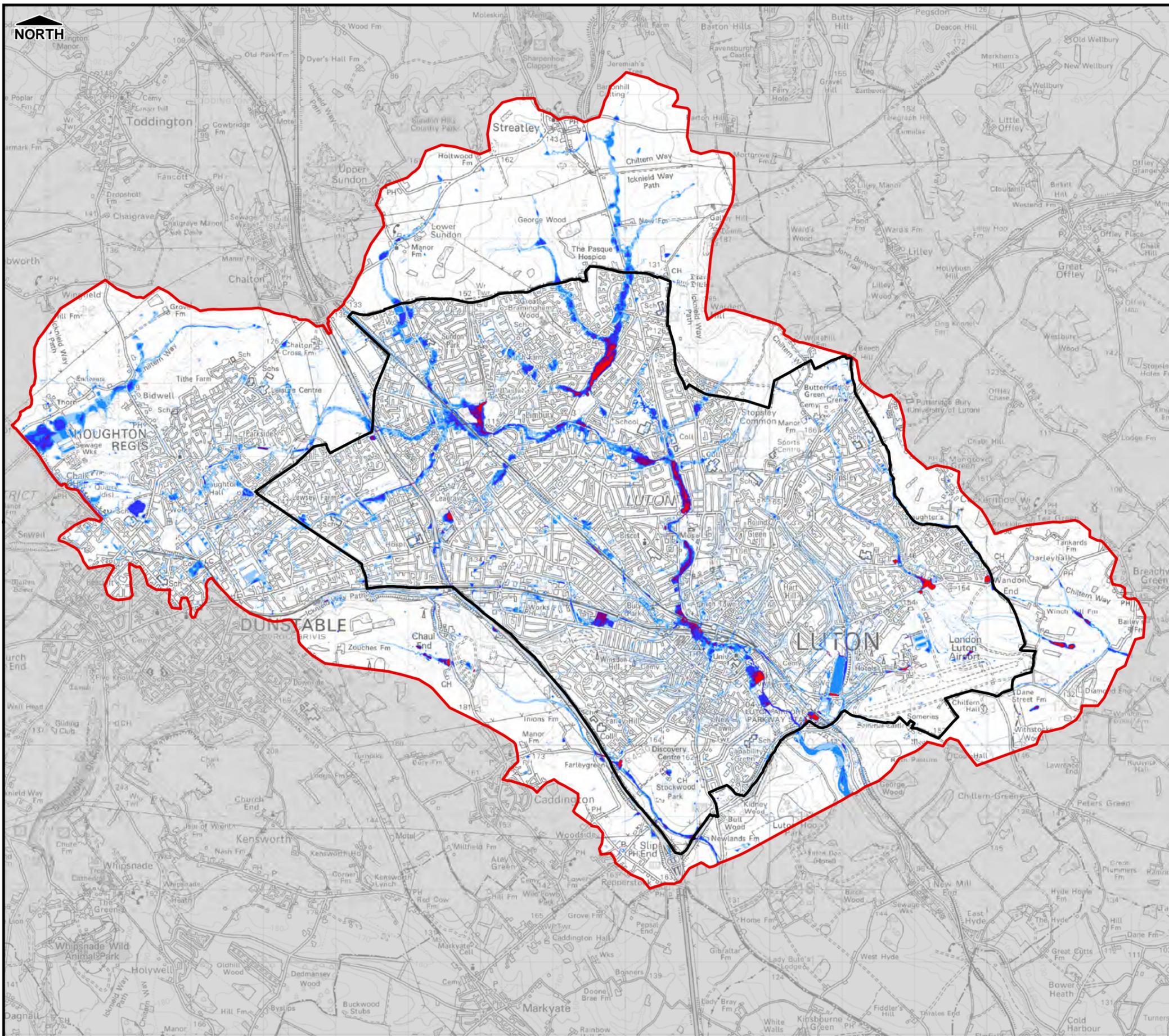
Luton SWMP
100yr Hazard Results

Consultant

CAPITA SYMONDS
 Flood Risk Management

Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 9-2



Legend

-  Luton Borough Council Boundary
-  Study Area
- Flood Depth (m)**
-  < 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

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No. 100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	18/10/2012	R.EABRY	M.ARTHUR

Luton SWMP
100yr Depth Results

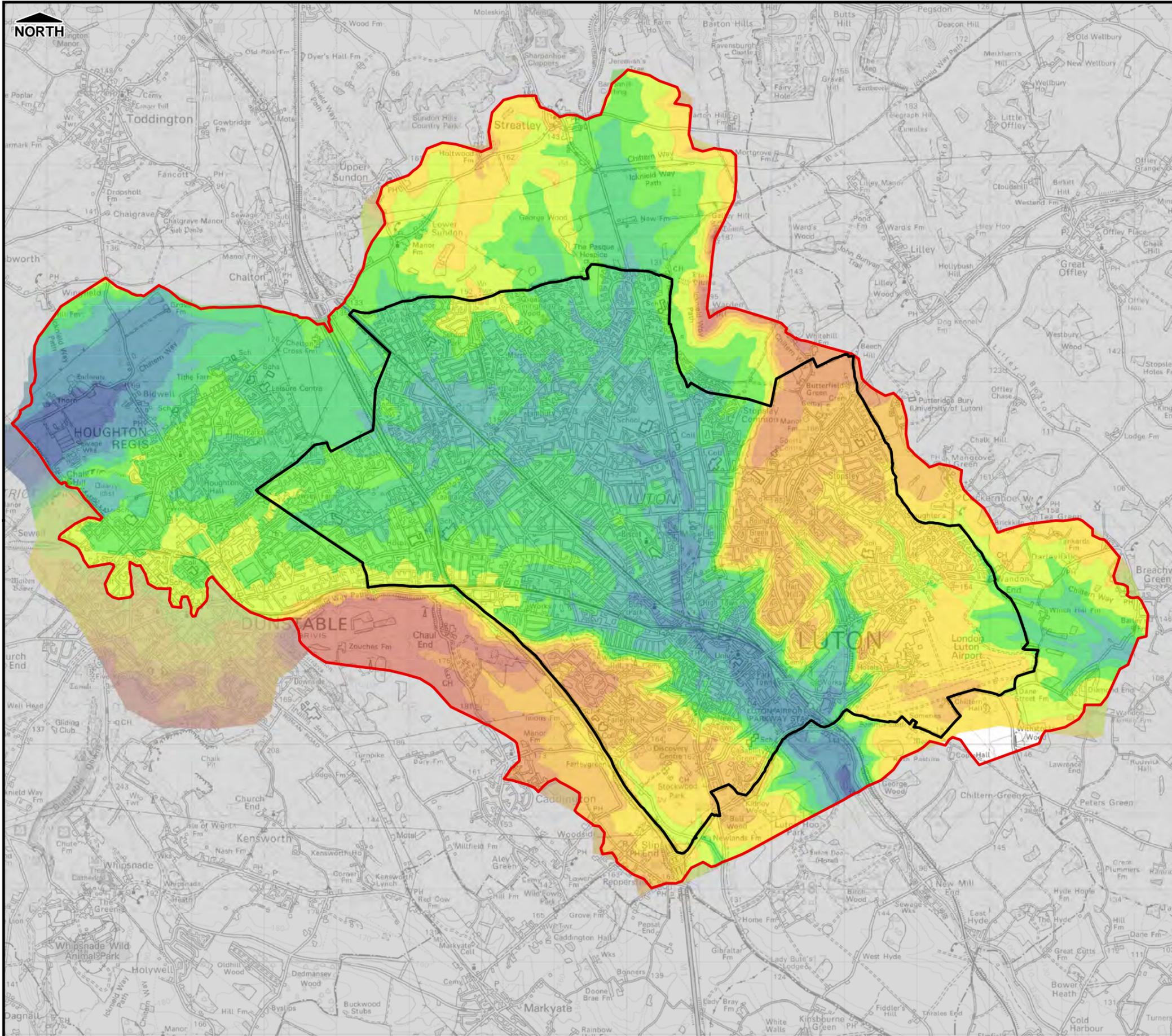
Consultant

CAPITA SYMONDS
 Flood Risk Management

Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 9-1





Legend

- Luton Borough Council Boundary
- Study Area
- Elevation (mAOD)**
- < 100
- 100 - 110
- 110 - 120
- 120 - 130
- 130 - 140
- 140 - 150
- 150 - 160
- 160 - 170
- 170 - 180
- > 190

Notes

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	18/10/2012	R.EABRY	M.ARTHUR

Topographic Data (Lidar)

Consultant

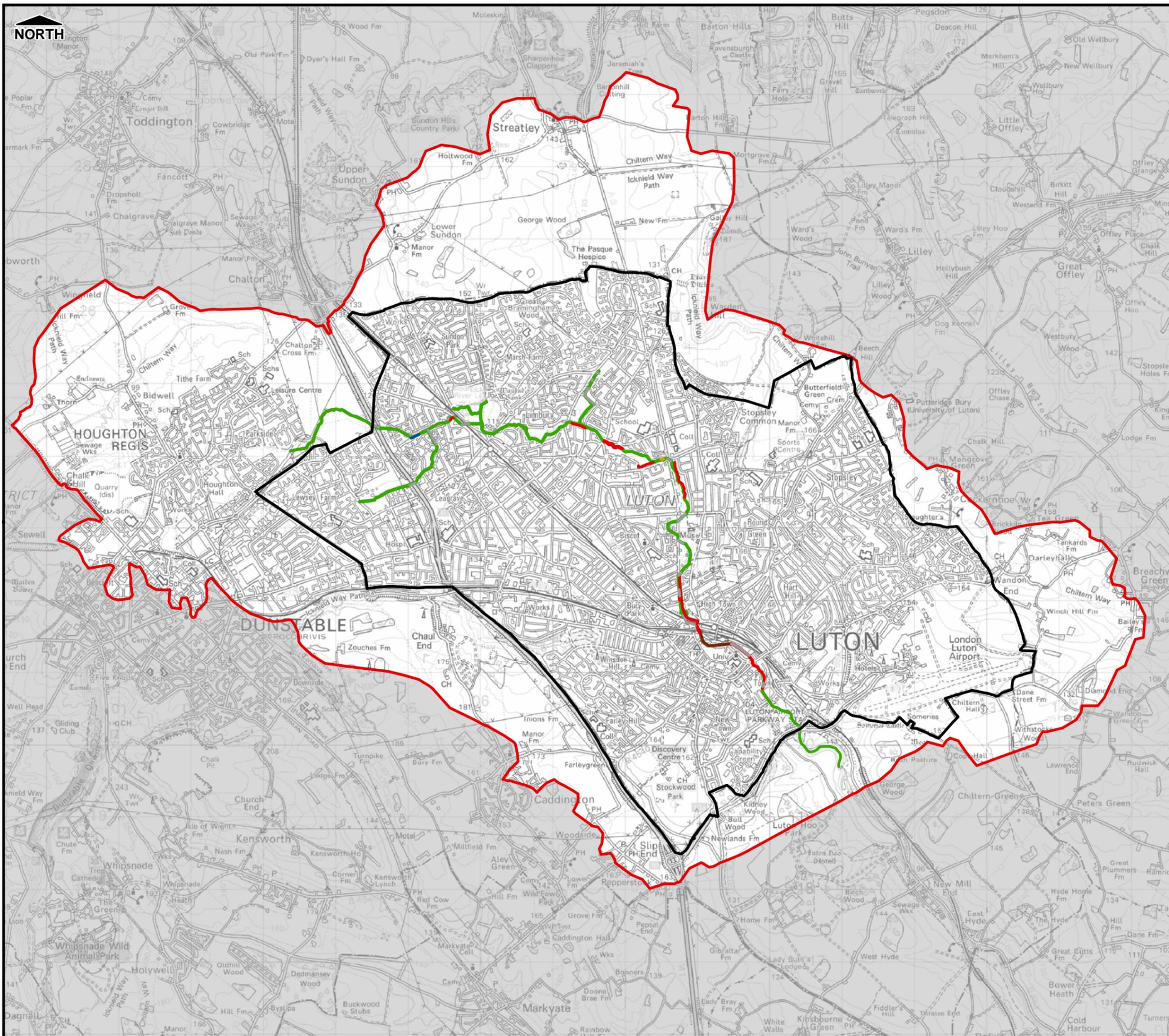
CAPITA SYMONDS

Flood Risk Management

Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 8





Legend

- Luton Borough Council Boundary
- Study Area
- Flood Defence Type**
- Flood Defence Structure
- Culverted Channel
- Maintained Channel
- Raised Defence (man-made)
- Raised Defence (natural)
- Natural Channel

Notes

Luton Borough Council
LUTON
BOROUGH COUNCIL

**Strategic Flood Risk Assessment
Level 1**

© Crown Copyright. All rights reserved Luton Borough Council. Licence No. 100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	18/10/2012	R.EABRY	M.ARTHUR

Flood Defences

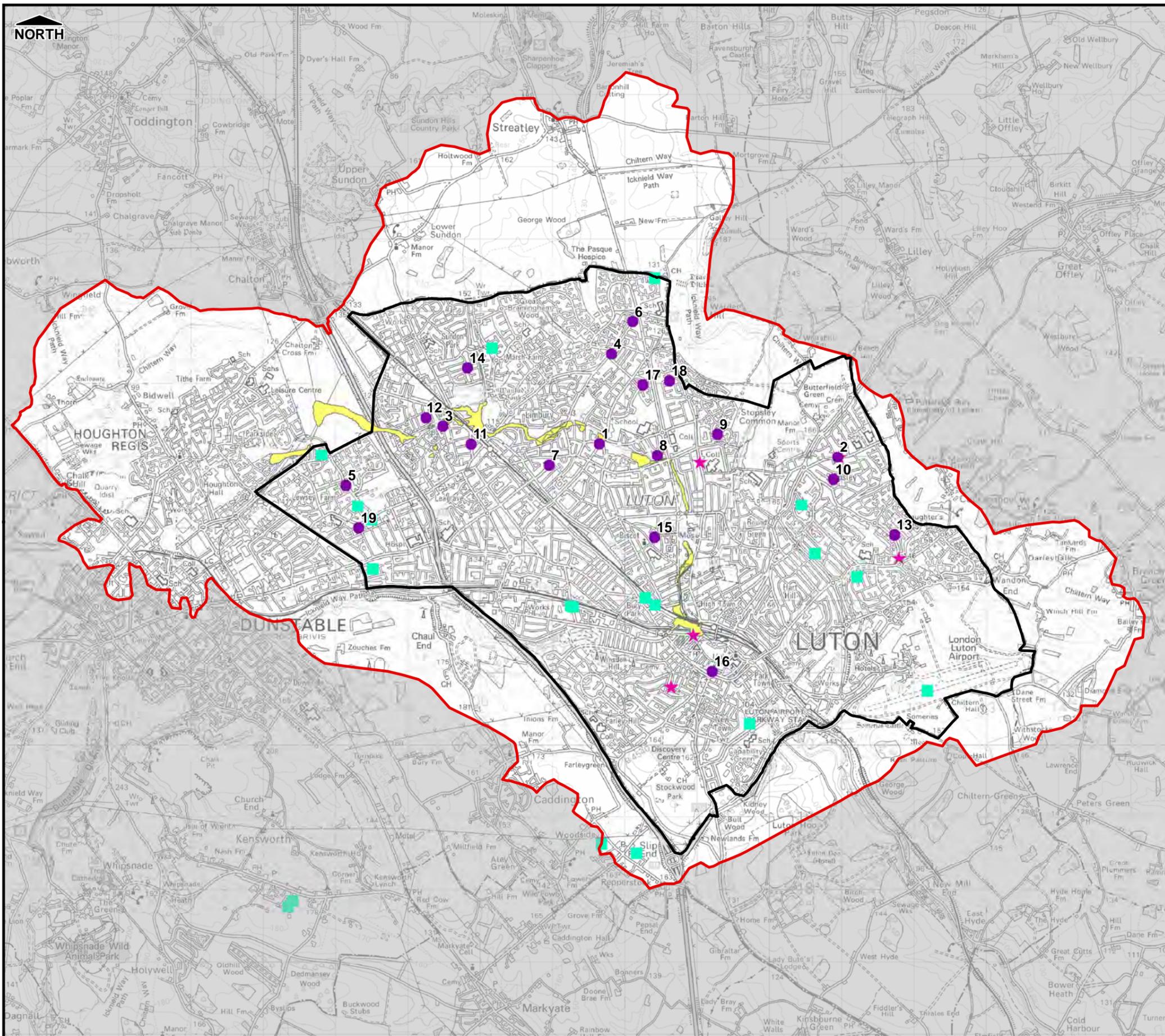
Consultant

CAPITA SYMONDS

Flood Risk Management

Capita Symonds
Level Seven,
52 Grosvenor Gardens,
Belgravia,
London
SW1W 0AU

FIGURE 7



Legend

- Luton Borough Council Boundary
- Study Area
- Luton Borough Council - Known Flood Sites (Unresolved)
- ★ Luton Borough Council - July/August 1980 Flood Incidents
- Bedfordshire Brigade - Callouts for 'Weather Related Flooding'
- Environment Agency Historical Flood Outlines

Notes

Luton Borough Council
LUTON
BOROUGH COUNCIL

**Strategic Flood Risk Assessment
Level 1**

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	24/10/2012	R.EABRY	M.ARTHUR

Historical Flood Records

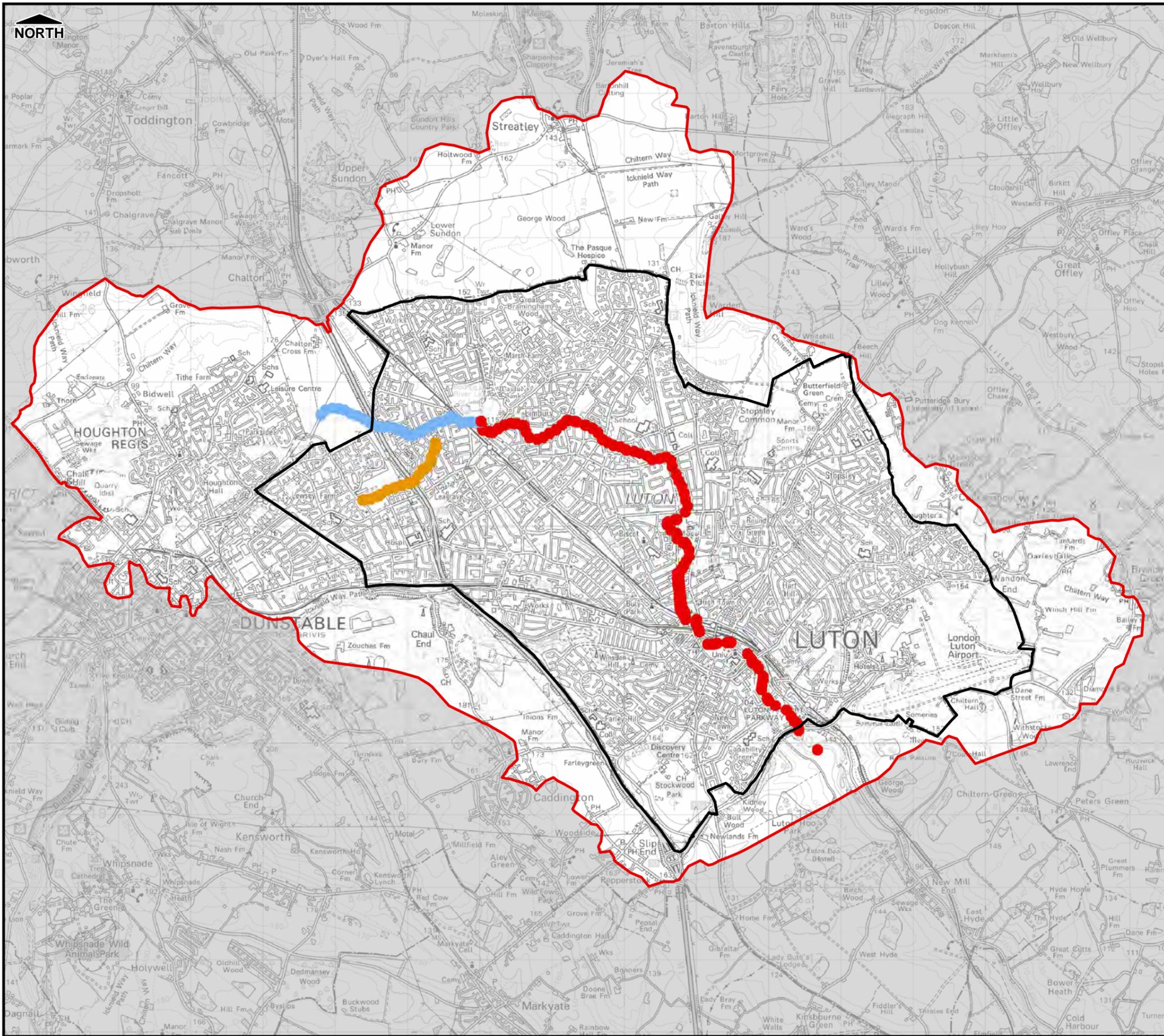
Consultant

CAPITA SYMONDS

Flood Risk Management

Capita Symonds
Level Seven,
52 Grosvenor Gardens,
Belgravia,
London
SW1W 0AU

FIGURE 6



Legend

Luton Borough Council Boundary

Study Area

Watercourse, Model

- Houghton Brook, Upper River Lee Flood Risk Management Strategy
- Lewsey Brook, Upper River Lee Flood Risk Management Strategy
- Upper Lee, Upper River Lee Flood Risk Management Strategy

Notes

Luton Borough Council



Strategic Flood Risk Assessment Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	17/10/2012	R.EABRY	M.ARTHUR

Hydraulic Model Extents

Consultant

CAPITA SYMONDS
Flood Risk Management

Capita Symonds
Level Seven,
52 Grosvenor Gardens,
Belgravia,
London
SW1W 0AU

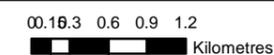
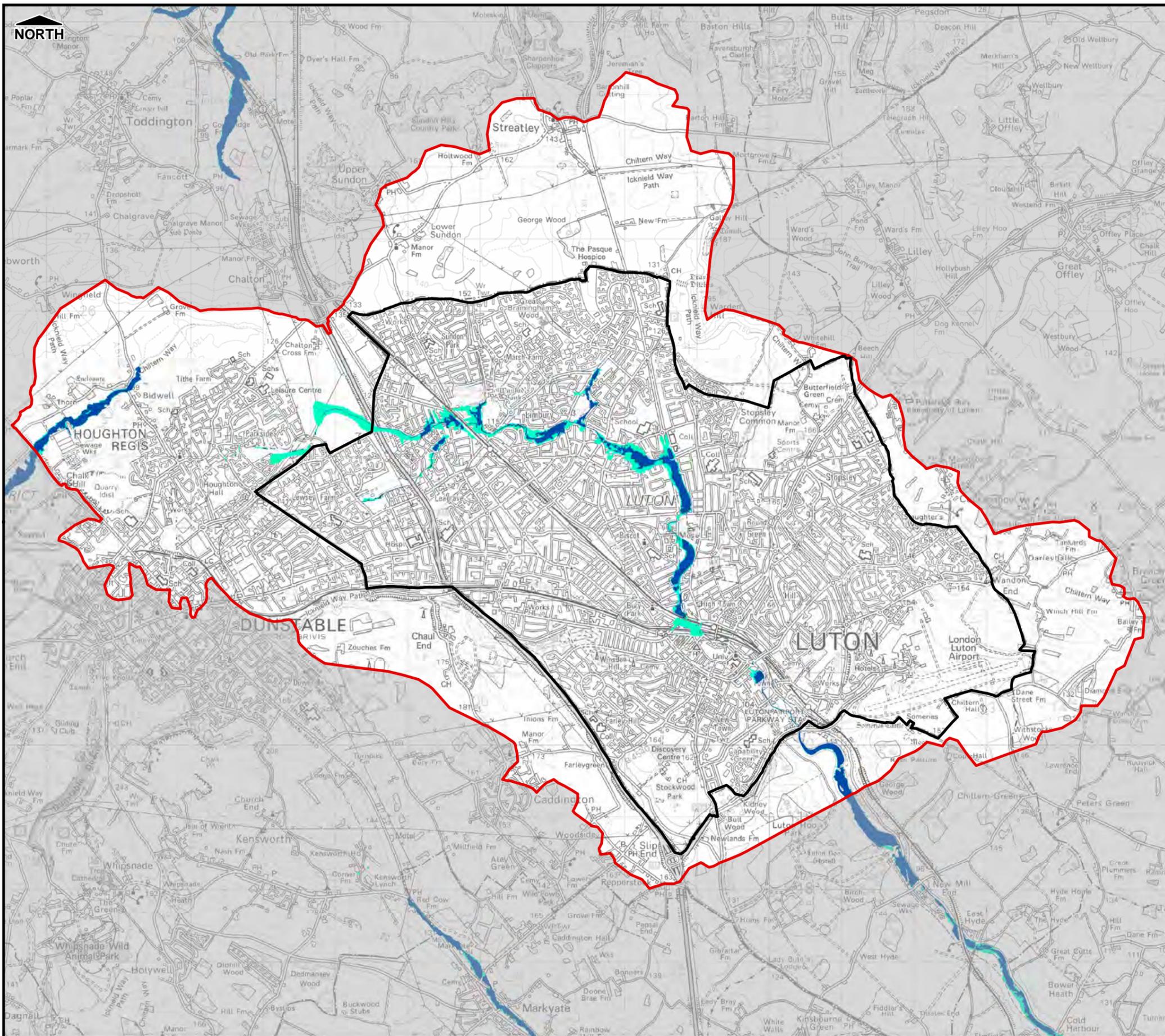


FIGURE 5



Legend

- Luton Borough Council Boundary
- Study Area
- Environment Agency Flood Zone 3
- Environment Agency Flood Zone 2

Notes

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	17/10/2012	R.EABRY	M.ARTHUR

Environment Agency Flood Map

Consultant

CAPITA SYMONDS

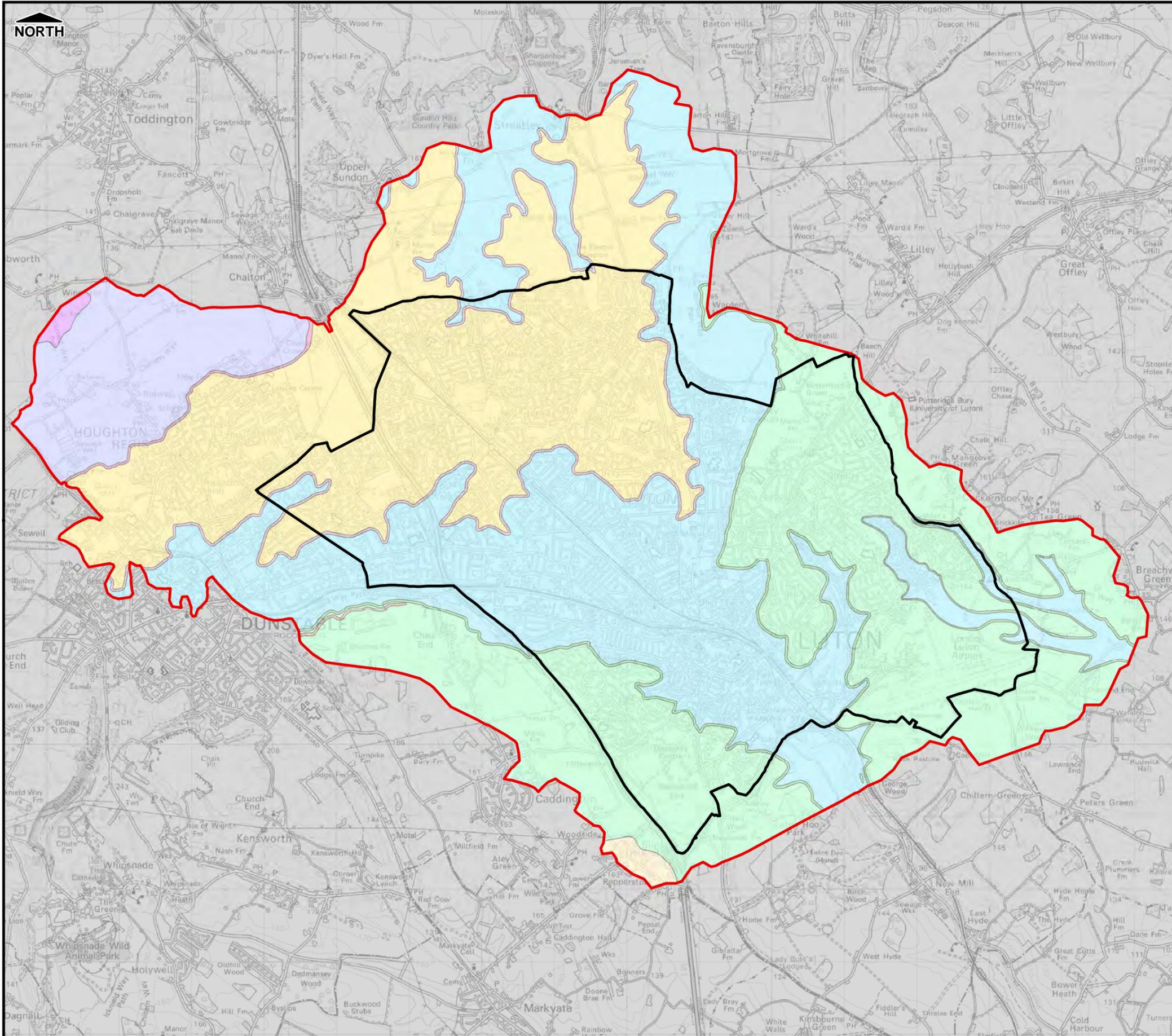
Flood Risk Management

Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 4

0.0 0.6 0.9 1.2

 Kilometres



Legend

- Luton Borough Council Boundary
- Study Area
- Solid Geology**
- Chalk Rock Member
- Gault Formation
- Holywell Nodular Chalk Formation and New Pit Chalk Formation (Undifferentiated)
- Lambeth Group
- Lewes Nodular Chalk Formation and Seaford Chalk Formation (Undifferentiated)
- Melbourne Rock Member
- Top Rock Bed
- Totternhoe Stone Member
- West Melbury Marly Chalk Formation
- Zig Zag Chalk Formation

Notes

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	17/10/2012	R.EABRY	M.ARTHUR

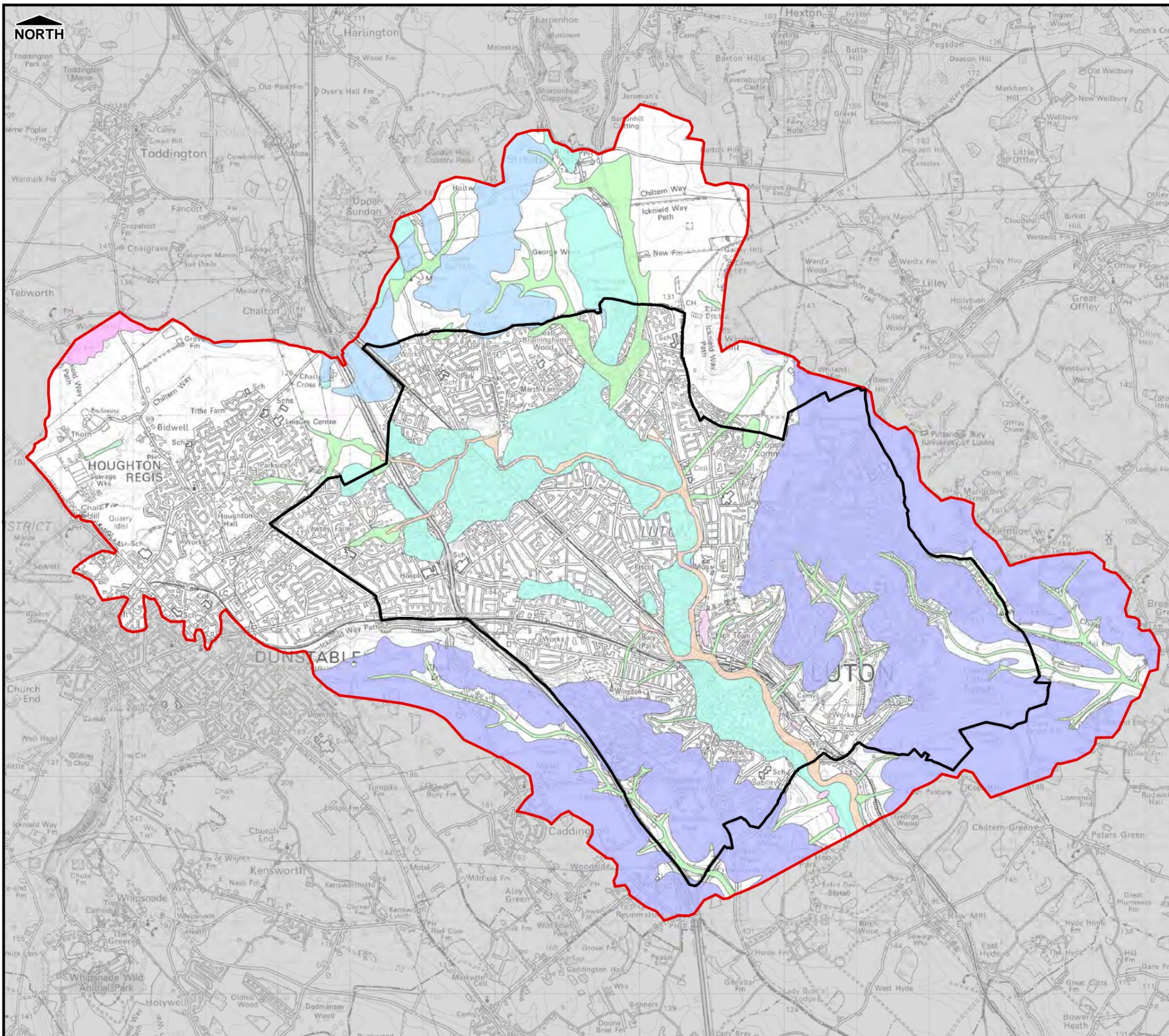
Solid Geology

Consultant

CAPITA SYMONDS
 Flood Risk Management

Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 3-2



Legend

- Luton Borough Council Boundary
- Study Area
- Drift Geology**
- Alluvium
- Clay with Flints
- Glaciofluvial Deposits
- Head
- Lowestoft Formation
- River Terrace Deposits
- Till

Notes

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	17/10/2012	R.EABRY	M.ARTHUR

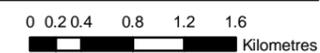
Drift Geology

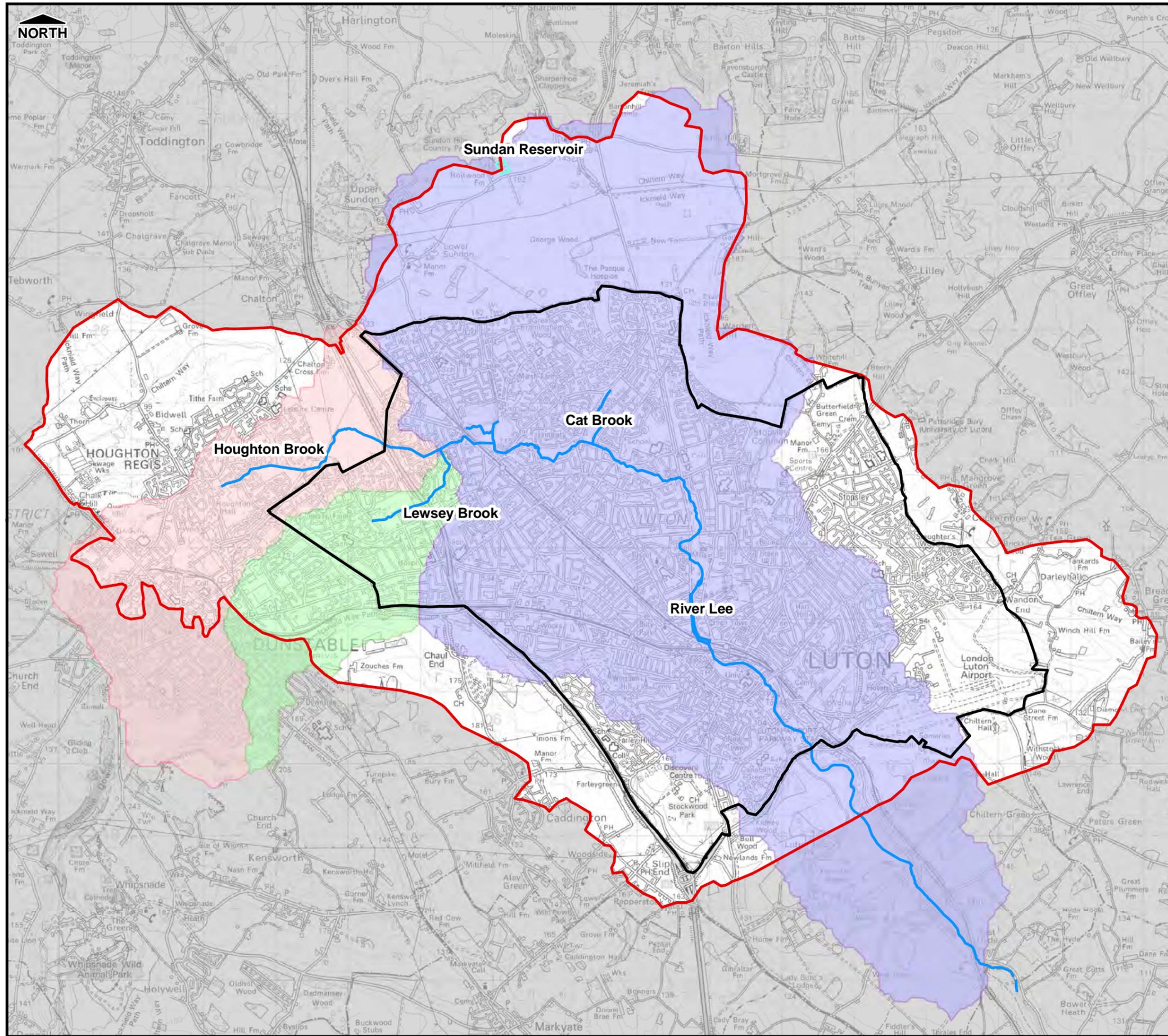
Consultant

CAPITA SYMONDS
 Flood Risk Management

Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 3-1





Legend

- Luton Borough Council Boundary
- Study Area
- Environment Agency Thames Region Main River
- Reservoir
- Catchment Boundaries**
- Houghton Catchment
- Lewsey Catchment
- River Lee Catchment

Notes

Luton Borough Council

Strategic Flood Risk Assessment
Level 1

© Crown Copyright. All rights reserved Luton Borough Council. Licence No.100023935 (2011). Covers all data that has been supplied and distributed under license for the Luton SWMP project. Digital geological data reproduced from British Geological Survey © NERC Licence No 2011/032A.

Scale at A3	Date	Drawn by	Approved by
1:55,000	17/10/2012	R.EABRY	M.ARTUR

River Catchments, Watercourses and Responsibility

Consultant
CAPITA SYMONDS
 Flood Risk Management
 Capita Symonds
 Level Seven,
 52 Grosvenor Gardens,
 Belgravia,
 London
 SW1W 0AU

FIGURE 2