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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary

**Bedrock Geology**

- GAULT FORMATION
- WOBURN SANDS FORMATION
- KIMMERIDGE CLAY FORMATION
- OXFORD CLAY FORMATION
- KELLAWAYS FORMATION
- CORNBRAsh FORMATION
- BLISWORTH CLAY FORMATION
- BLISWORTH LIMESTONE FORMATION
- RUTLAND FORMATION
- GREAT OOLITE GROUP
- WHITBY MUDSTONE FORMATION
- LIAS GROUP
- KELLAWAYS AND OXFORD CLAY FORMATIONS

**Notes**  
The 1:50,000 scale digital map data is generalised and the geological interpretation should be used only as a guide to the geology at a local level, not as a site-specific geological plan based on detailed site investigations.

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Purpose of Issue  
**FINAL**



Project Title  
**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title  
**BEDROCK GEOLOGY**

|                                      |         |                         |         |
|--------------------------------------|---------|-------------------------|---------|
| Drawn                                | Checked | Approved                | Date    |
| PP                                   | GH      | CP                      | 3/11/15 |
| URS Internal Project No.<br>47070452 |         | Scale at A3<br>1:95,000 |         |

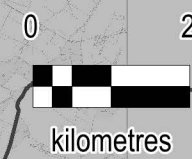
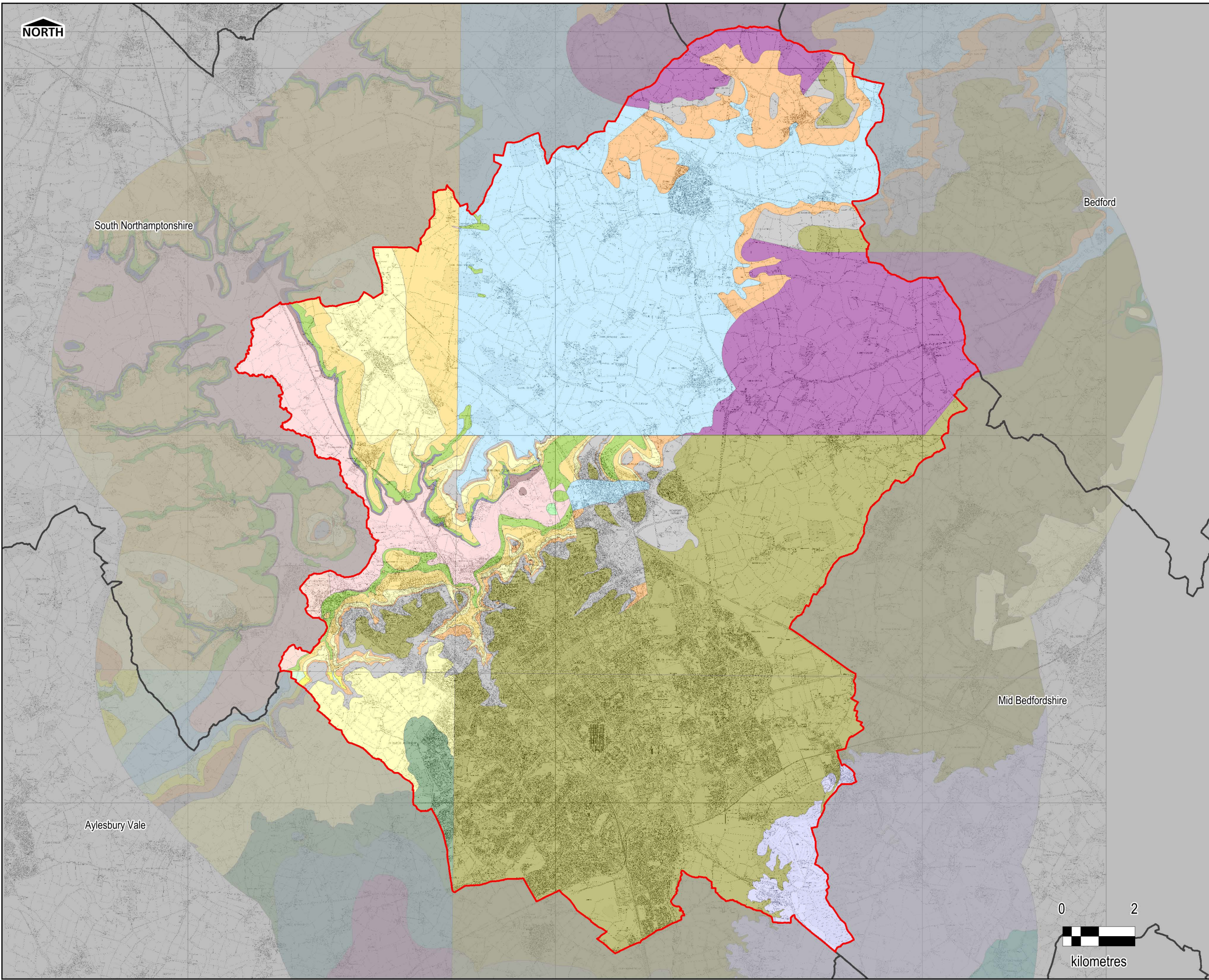
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Drawing Number  
**FIGURE A.1a**

Rev  
**1**



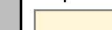







NORTH

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**LEGEND**

-  Milton Keynes Council Boundary
-  Local Planning Authority Boundary

**Superficial Geology**

-  ALLUVIUM
-  GLACIOFLUVIAL DEPOSITS
-  GLACIOLACUSTRINE DEPOSITS
-  HEAD
-  PEAT
-  RIVER TERRACE DEPOSITS
-  SAND AND GRAVEL (UNDIFFERENTIATED)
-  TILL

**Notes**  
The 1:50,000 scale digital map data is generalised and the geological interpretation should be used only as a guide to the geology at a local level, not as a site-specific geological plan based on detailed site investigations.

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Purpose of Issue  
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Client  


Project Title  
**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title  
**SUPERFICIAL GEOLOGY**

|       |         |          |          |
|-------|---------|----------|----------|
| Drawn | Checked | Approved | Date     |
| PP    | GH      | CP       | 03/11/15 |

URS Internal Project No.  
**47073305**

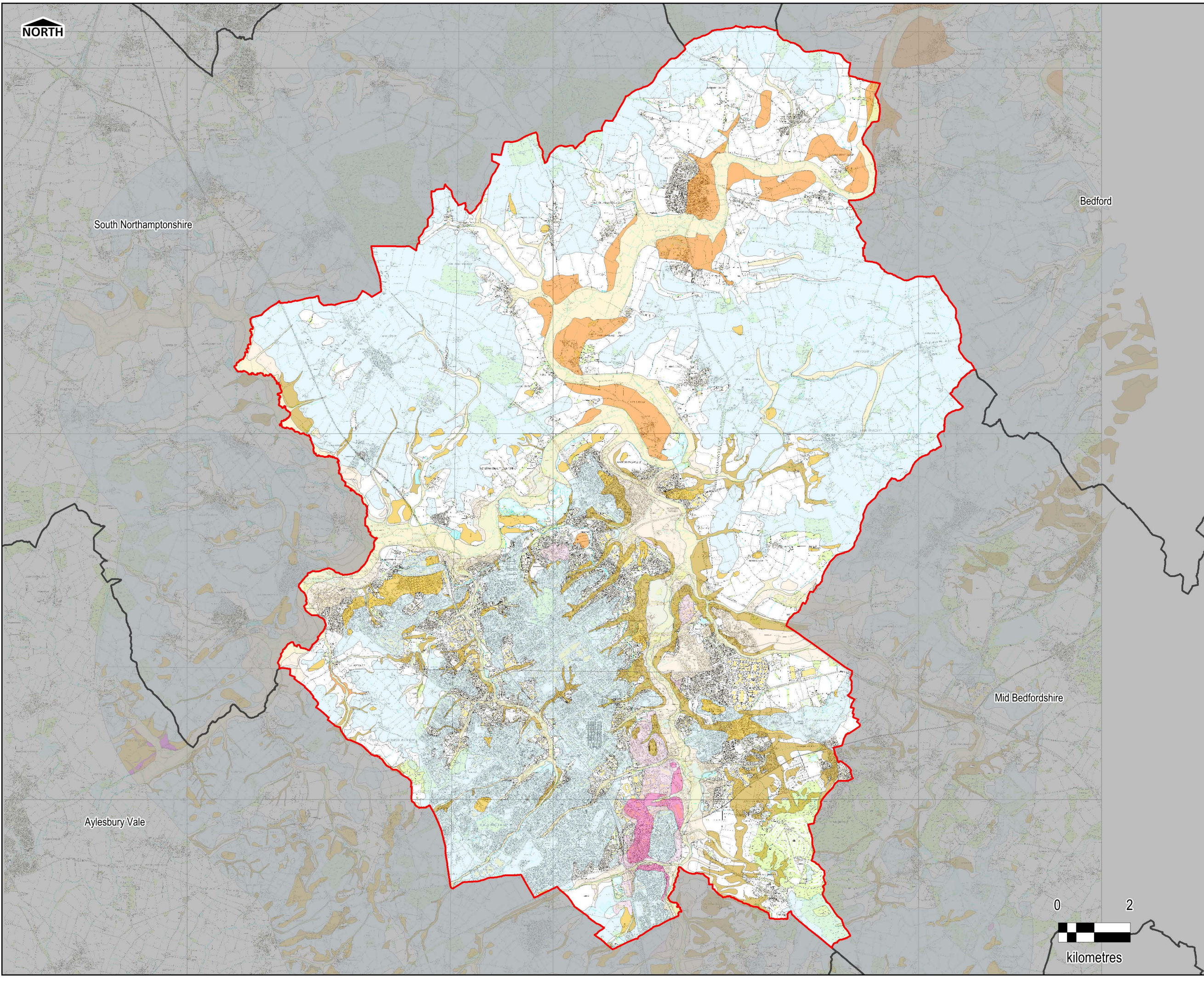
Scale at A3  
**1:95,000**

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|--------------------|----------|
| Drawing Number     | Rev      |
| <b>FIGURE A.1b</b> | <b>1</b> |

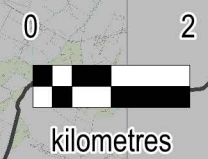


South Northamptonshire

Bedford

Mid Bedfordshire

Aylesbury Vale





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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary
- Main Rivers
- Grand Union Canal
- Milton Keynes to Bedford Canal (Proposed)

**Topography (m AOD)**

- < 45m
- 65m
- 75m
- 85m
- 95m
- > 105m

**Notes**  
 Light Detection and Ranging (LIDAR) is an airborne mapping technique, which uses a laser to measure the distance between the aircraft and the ground.  
 This dataset has a spatial resolution of 1m. The Environment Agency's LIDAR data archive contains digital elevation data derived from surveys carried out since 1998.  
 The Environment Agency typically fly LIDAR along the river corridors and this accounts for the missing coverage over parts of the study area.  
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Purpose of Issue: **FINAL**



Project Title  
**MILTON KEYNES COUNCIL  
 SURFACE WATER  
 MANAGEMENT PLAN**

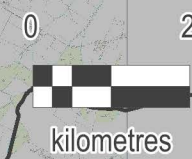
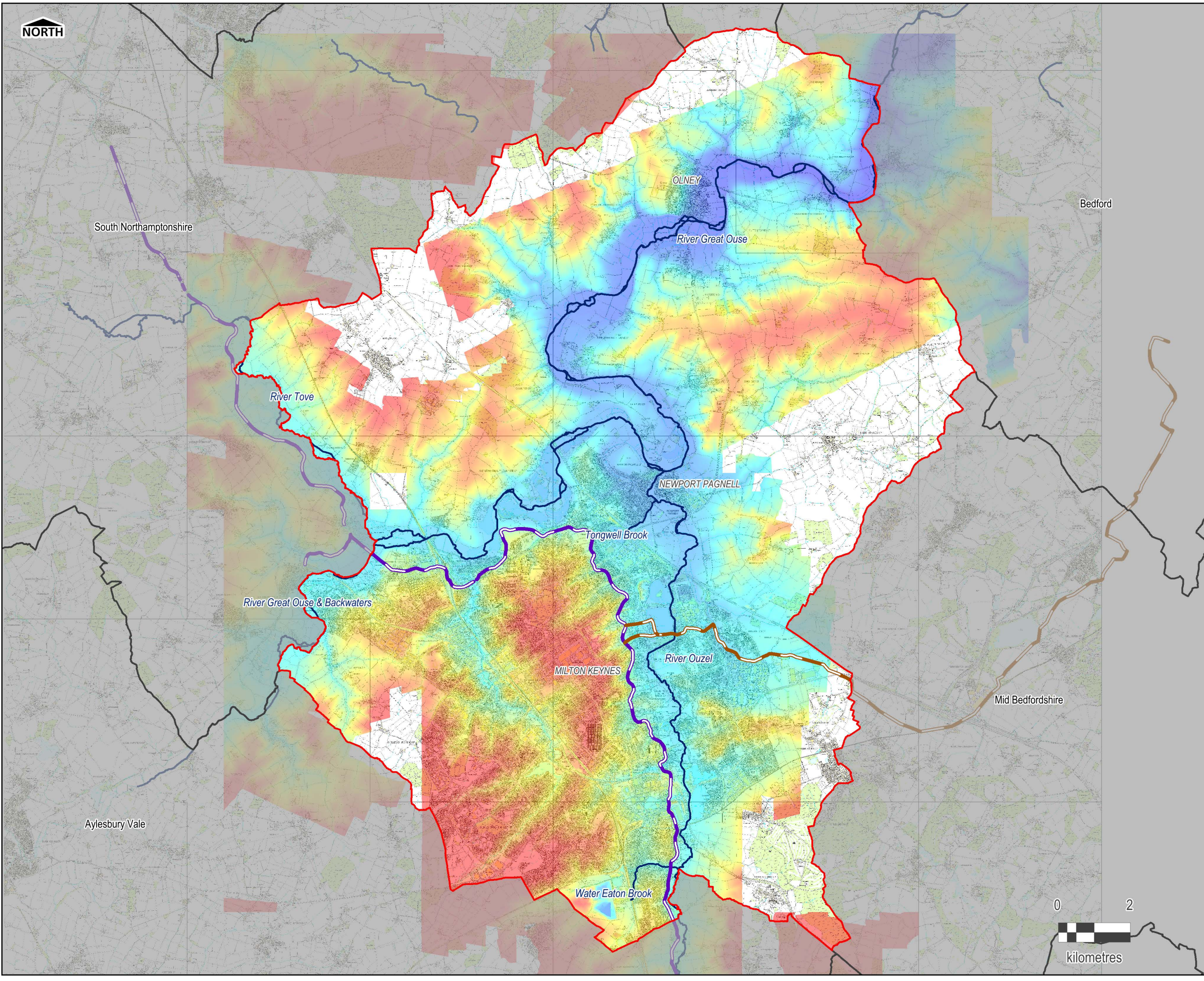
Drawing Title  
**LIDAR TOPOGRAPHIC SURVEY**

|                                      |         |                         |          |
|--------------------------------------|---------|-------------------------|----------|
| Drawn                                | Checked | Approved                | Date     |
| PP                                   | GH      | CP                      | 03/11/15 |
| URS Internal Project No.<br>47073305 |         | Scale at A3<br>1:95,000 |          |

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|                   |          |
|-------------------|----------|
| Drawing Number    | Rev      |
| <b>FIGURE A.2</b> | <b>1</b> |





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- Legend**
- Milton Keynes Council Boundary
  - Local Planning Authority Boundary
  - Watercourses**
    - Main Rivers
    - Ordinary Watercourses (Surface Level)
    - Ordinary Watercourses (Culverted)
    - Drainage Board Designated Watercourses
  - Historic Flooding**
    - BGDB Fluvial Flood Records
    - EA Fluvial Flood Records
    - EA Surface Water Flood Records
    - EA Groundwater Flood Records
    - EA Sewer Flood Records
    - Highways Agency Flood Records
    - Anglian Water External Sewer Flood Records
    - Anglian Water Internal Sewer Flood Records
    - Canal Breach (Canal and River Trust)
    - Canal Overtopping (Canal and River Trust)

**Notes**

Main Rivers are designated by Defra on a 'Main River Map'. The Environment Agency has permissive powers to carry out flood defence works, maintenance and operational activities for Main Rivers only. However overall responsibility for maintenance lies with the riparian owner.

An Ordinary Watercourse is a watercourse that does not form part of a Main River. This includes all rivers and streams and all ditches, drains, cuts, culverts, dikes, sluices (other than public sewers within the meaning of the Water Industry Act 1991) and passages, through which water flows according to the Land Drainage Act 1991.

Drainage Boards have powers under the Land Drainage Act 1991 (as amended by the 1994 Act) to undertake works on any watercourse within their district other than Main River. A Board's District is defined on a sealed map prepared by the Environment Agency and approved by the relevant Ministry. Within the Drainage Districts, Boards have designated arterial watercourses to which they will normally apply their statutory powers.

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Purpose of Issue: FINAL



Project Title:  
**MILTON KEYNES COUNCIL  
 SURFACE WATER  
 MANAGEMENT PLAN**

Drawing Title:  
**HISTORIC FLOODING  
 INCIDENTS**

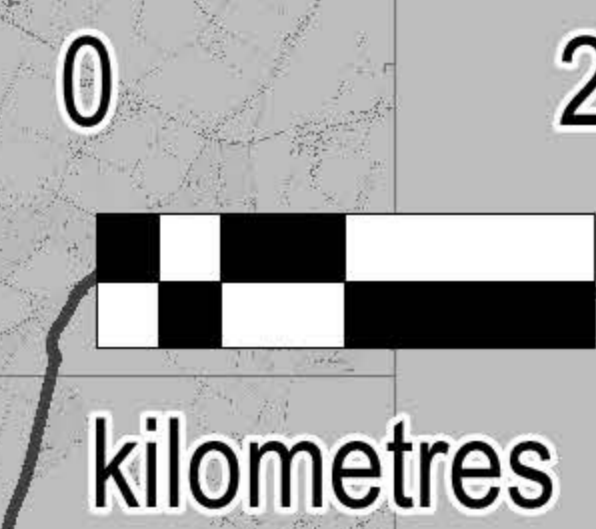
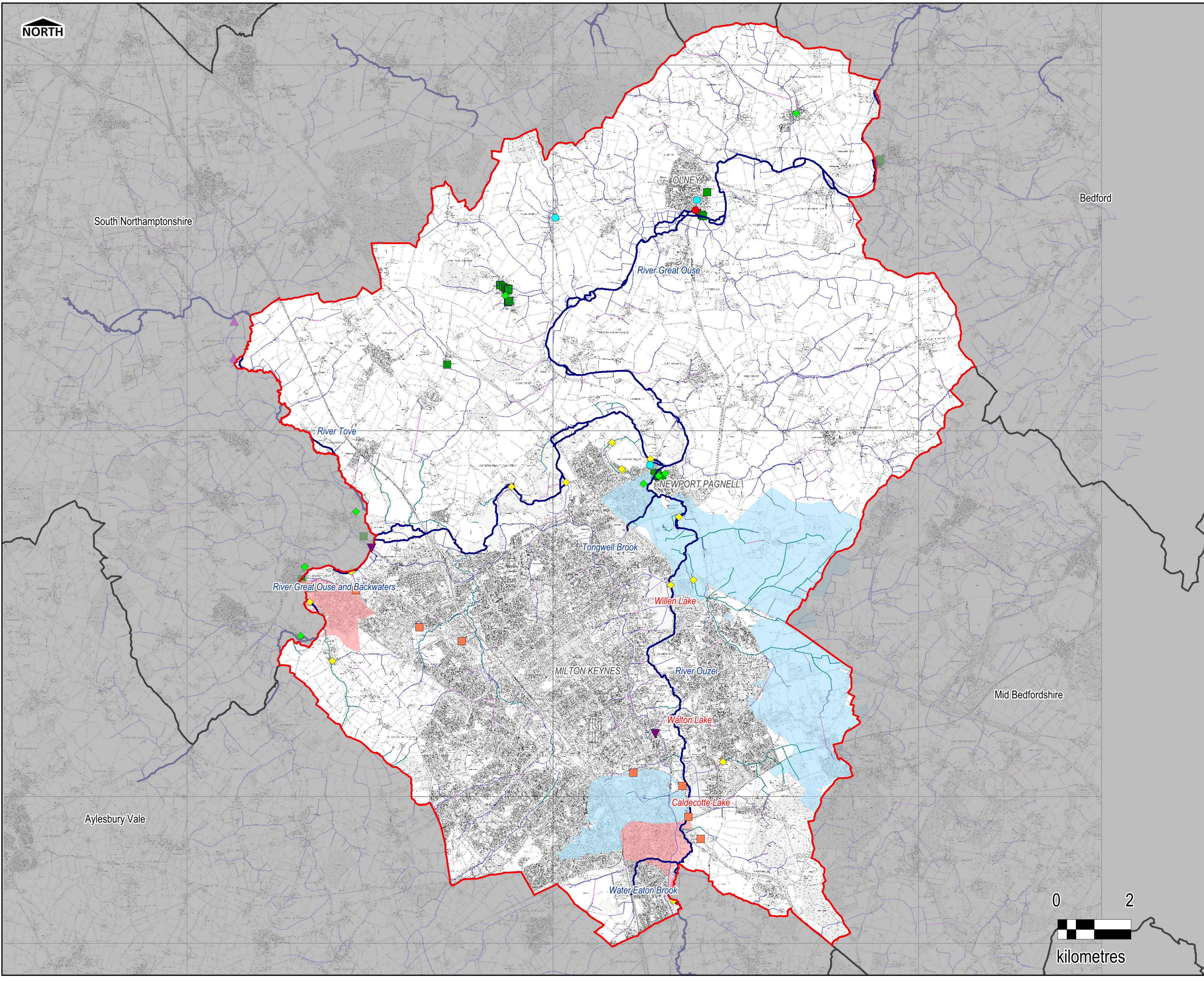
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| Drawn<br>PP                          | Checked<br>GH | Approved<br>CP          | Date<br>03/11/15 |
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Drawing Number: **FIGURE A3**      Rev: **1**





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**LEGEND**

- Milton Keynes Council Boundary
  - Local Planning Authority Boundary
- BGS Susceptibility to Groundwater Flooding**
- Potential for groundwater flooding to occur at surface
  - Potential for groundwater flooding of property situated below ground level
  - Limited potential for groundwater flooding to occur
  - Not considered to be prone to groundwater flooding
- Groundwater Flood Records (Environment Agency)

**Notes**  
The 1:50,000 scale digital map data is generalised and the geological interpretation should be used only as a guide to the geology at a local level, not as a site-specific geological plan based on detailed site investigations.

This map is intended to provide a strategic overview of susceptibility to groundwater flooding and should not be used to assess flood risk for individual properties.

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Purpose of Issue  
**FINAL**



Project Title  
**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title  
**SUSCEPTIBILITY TO  
GROUNDWATER FLOODING**

|             |               |                |                  |
|-------------|---------------|----------------|------------------|
| Drawn<br>PP | Checked<br>GH | Approved<br>CP | Date<br>03/11/15 |
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URS Internal Project No.  
**47073305**

Scale at A3  
**1:95,000**

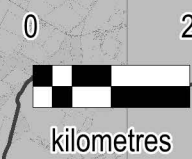
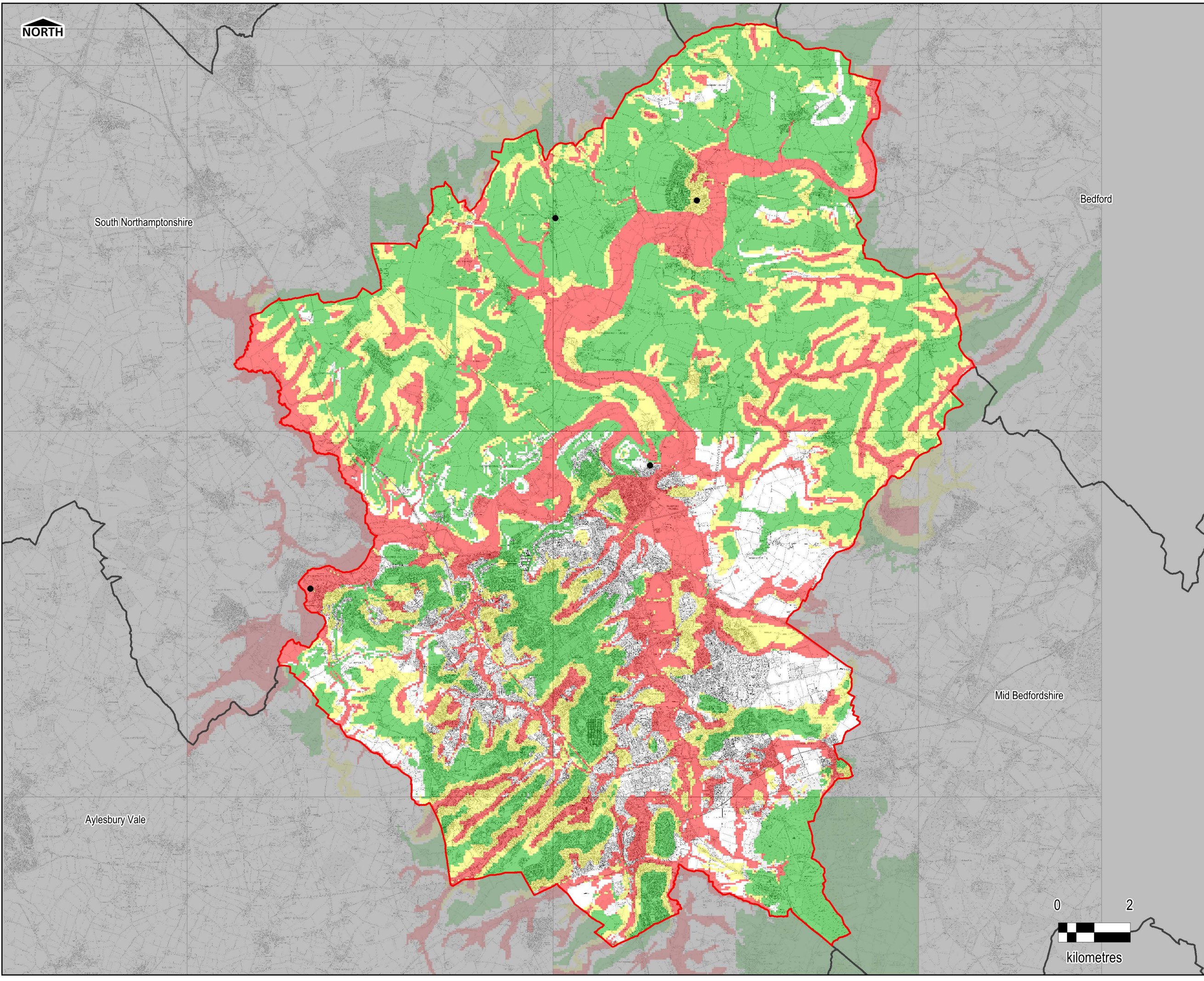
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Drawing Number  
**FIGURE A.4**

Rev  
**1**





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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary
- Main Rivers
- Ordinary Watercourses (Surface Level)
- Ordinary Watercourses (Culverted)
- Drainage Board designated watercourses
- Grand Union Canal
- Milton Keynes to Bedford Canal (Proposed)
- Flood Storage Area
- Drainage Board District
- Linear Parks
- Breach Incidents (Canal and River Trust)
- Overtopping Incidents (Canal and River Trust)

The information shown is based on the information provided by the stakeholders. There are numerous SuDS features across the study area which are not shown in the datasets provided.

**Notes**  
Main Rivers are designated by Defra on a 'Main River Map'. The Environment Agency has permissive powers to carry out flood defence works, maintenance and operational activities for Main Rivers only. However overall responsibility for maintenance lies with the riparian owner

An Ordinary Watercourse is a watercourse that does not form part of a Main River. This includes all rivers and streams and all ditches, drains, cuts, culverts, dikes, sluices (other than public sewers within the meaning of the Water Industry Act 1991) and passages, through which water flows according to the Land Drainage Act 1991.

Drainage Boards have powers under the Land Drainage Act 1991 (as amended by the 1994 Act) to undertake works on any watercourse within their district other than Main Rivers. A Board's District is defined on a sealed map prepared by the Environment Agency and approved by the relevant Ministry. In addition Boards can undertake works on watercourses outside their drainage district in order to benefit the district. Within the Drainage Districts, Boards have designated arterial watercourses to which they will normally apply their statutory powers.

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Purpose of Issue  
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Project Title  
**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title  
**WATERCOURSES  
AND WATER BODIES**

|                          |         |             |          |
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| Drawn                    | Checked | Approved    | Date     |
| PP                       | GH      | CP          | 03/11/15 |
| URS Internal Project No. |         | Scale at A3 |          |
| 47073305                 |         | 1:95,000    |          |

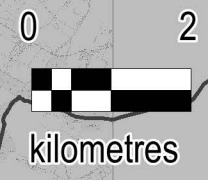
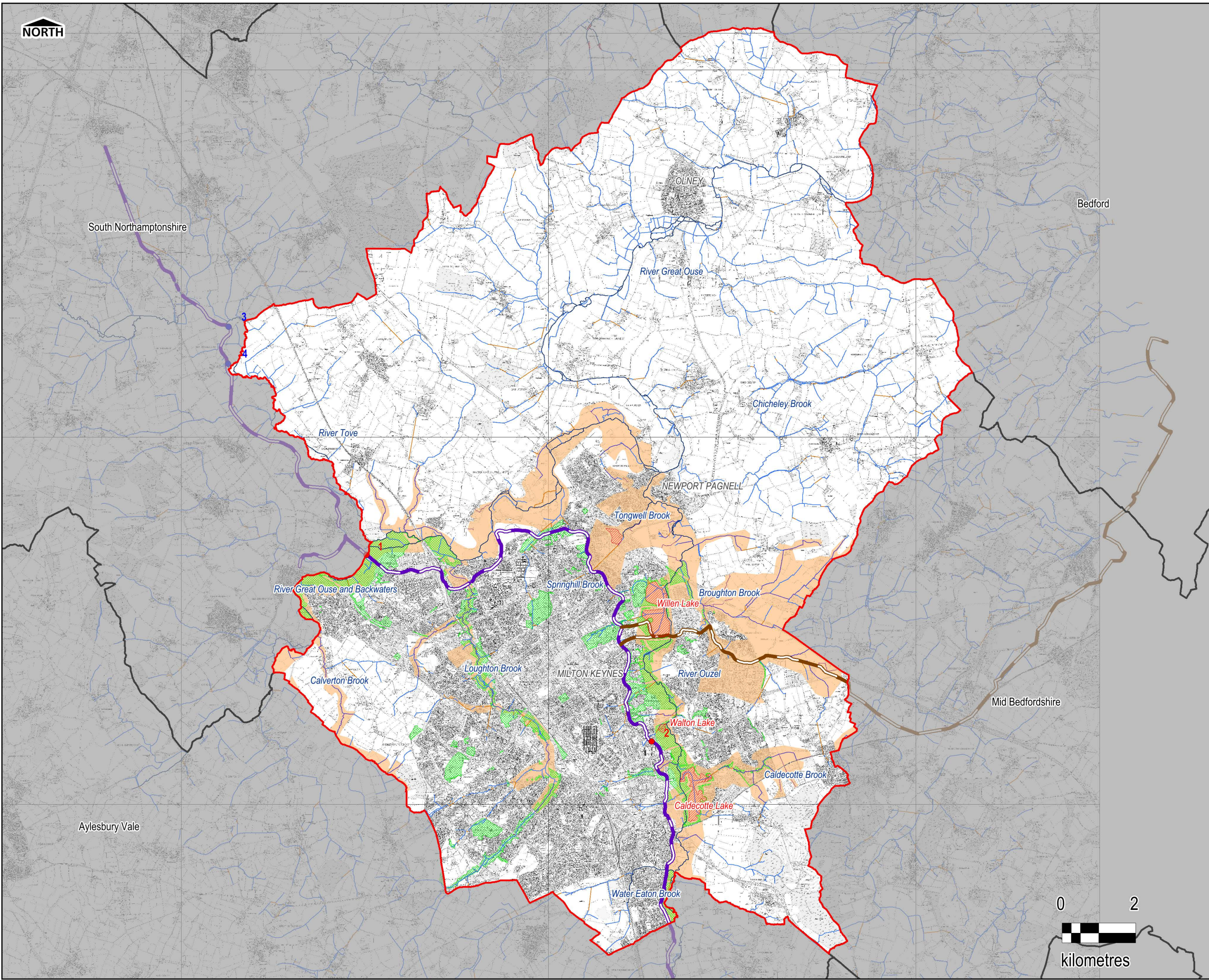
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Drawing Number  
**FIGURE A.5**

Rev  
**1**





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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary
- Main Rivers
- Ordinary Watercourses (Surface Level)
- Ordinary Watercourses (Culverted)
- Drainage Board designated watercourses
- Flood Storage Area
- Linear Park

**Risk of Flooding from Surface Water**

- High Risk (3.3% AEP)
- Medium Risk (1% AEP)
- Low Risk (0.1% AEP)
- Very Low Risk (<0.1% AEP)
- Historic Flood Records (Highways Agency)
- Historic Flood Records (Environment Agency)

**Notes**

This map shows the predicted likelihood of surface water flooding based on the Environment Agency's updated Flood Map for Surface Water (uFMSW) data, which may be subject to further analysis in the future. Further information is provided on the Environment Agency website ([www.gov.uk/environment-agency](http://www.gov.uk/environment-agency)).

The Risk from Surface Water Flooding is divided into categories:  
 High: each year, the chance of flooding is greater than 1 in 30 (3.3%).  
 Medium: each year, the chance of flooding is between 1 in 100 (1%) and 1 in 30 (3.3%).  
 Low: each year, the chance of flooding is between 1 in 1000 (0.1%) and 1 in 100 (1%).  
 Very Low: each year, the chance of flooding is less than 1 in 1000 (0.1%).

The potential impact of surface water flooding can vary according to the depth of the water, and its velocity (speed and direction that it is flowing in).

Surface water flooding happens when rainwater does not drain away through the normal drainage systems or soak into the ground, but lies on or flows over the ground instead. This type of flooding can be difficult to predict as it is hard to forecast exactly where or how much rain will fall in any storm.

This map is intended to provide a strategic overview of surface water flood risk and should not be used to assess flood risk for individual properties.

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Purpose of Issue **FINAL**

Client

Project Title **MILTON KEYNES COUNCIL SURFACE WATER MANAGEMENT PLAN**

Drawing Title **RISK OF FLOODING FROM SURFACE WATER**

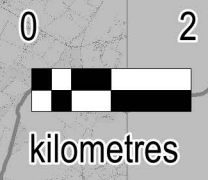
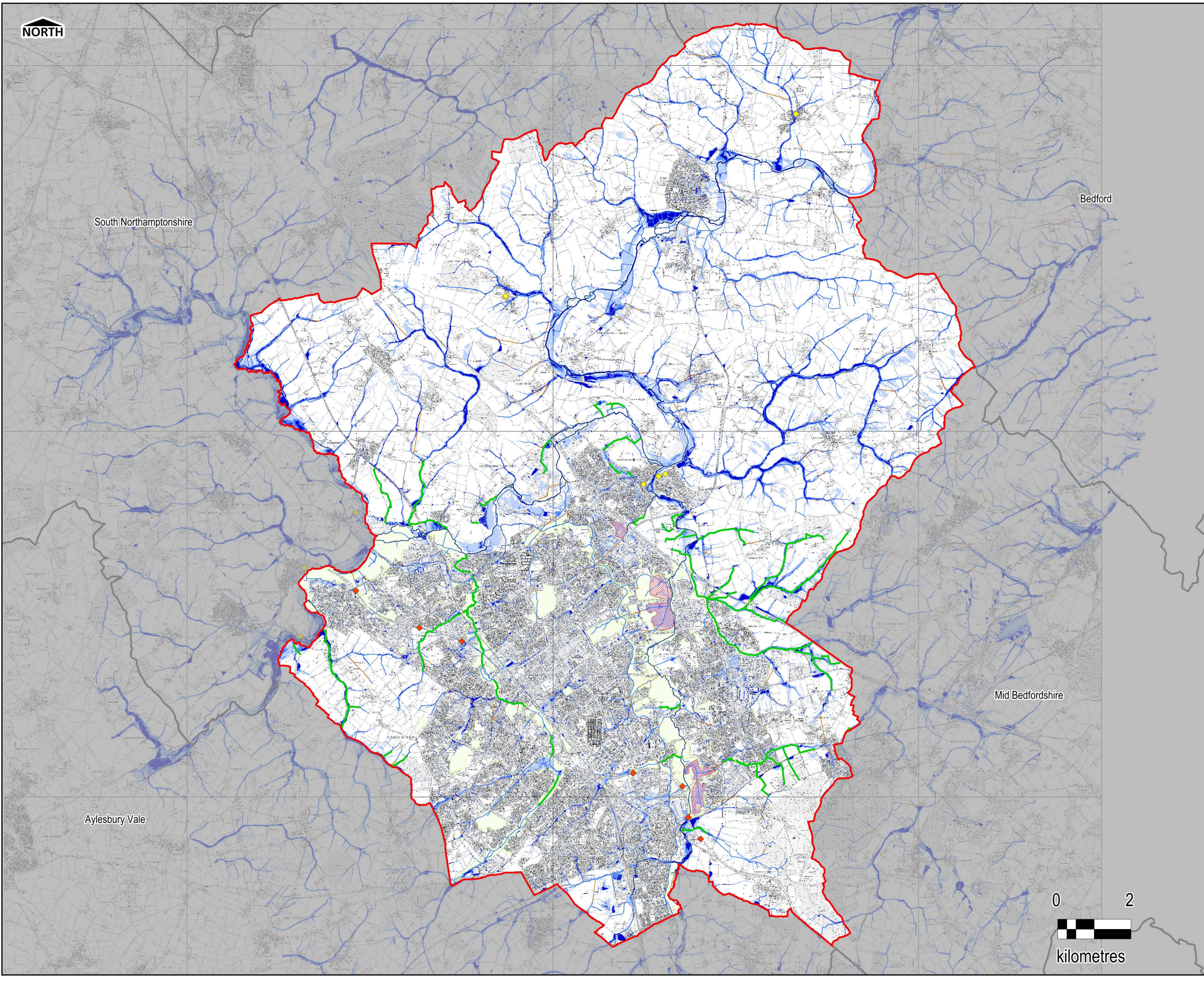
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| URS Internal Project No. |         | Scale at A3 |          |
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| Drawing Number     | Rev      |
| <b>FIGURE A.6a</b> | <b>1</b> |





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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary
- Critical Infrastructure**
- + Hospital
- + Surgery or Healthcare
- ◆ Residential Home
- Schools and Educational Facilities
- ▲ Sewage Treatment
- Electricity Sub Station or Building
- ▼ Emergency Services (Fire, Police & Ambulance Stations)
- Risk of Flooding from Surface Water**
- High (3.3% AEP)
- Medium (1% AEP)
- Low (0.1% AEP)
- Very Low (<0.1% AEP)

**Notes**

This map shows the predicted likelihood of surface water flooding based on the Environment Agency's updated Flood Map for Surface Water (uFMSW) data, which may be subject to further analysis in the future. Further information is provided on the Environment Agency website ([www.gov.uk/environment-agency](http://www.gov.uk/environment-agency)).

The Risk from Surface Water Flooding is divided into categories:

High: each year, the chance of flooding is greater than 1 in 30 (3.3%).  
 Medium: each year, the chance of flooding is between 1 in 100 (1%) and 1 in 30 (3.3%).  
 Low: each year, the chance of flooding is between 1 in 1000 (0.1%) and 1 in 100 (1%).  
 Very Low: each year, the chance of flooding is less than 1 in 1000 (0.1%).

The potential impact of surface water flooding can vary according to the depth of the water, and its velocity (speed and direction that it is flowing in).

Surface water flooding happens when rainwater does not drain away through the normal drainage systems or soak into the ground, but lies on or flows over the ground instead. This type of flooding can be difficult to predict as it is hard to forecast exactly where or how much rain will fall in any storm.

This map is intended to provide a strategic overview of surface water flood risk and should not be used to assess flood risk for individual properties.

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Purpose of Issue **FINAL**



Project Title  
**MILTON KEYNES COUNCIL  
 SURFACE WATER  
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Drawing Title  
**RISK OF FLOODING  
 FROM SURFACE WATER  
 TO CRITICAL INFRASTRUCTURE**

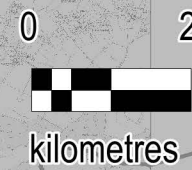
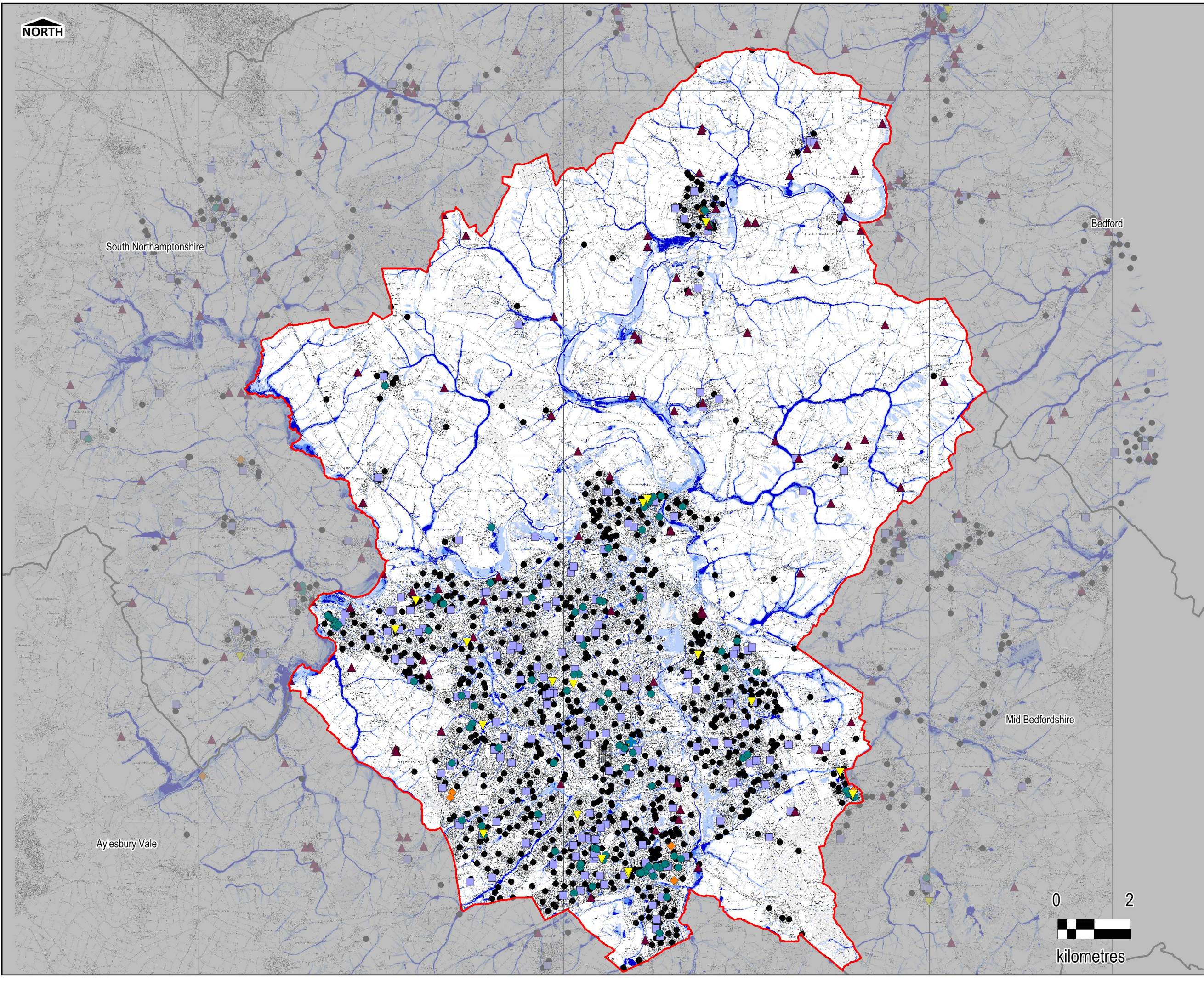
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Drawing Number **FIGURE A.6b**      Rev **1**







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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary
- Main Rivers
- Ordinary Watercourses (Surface Level)
- Ordinary Watercourses (Culverted)
- Drainage Board designated watercourses
- Flood Defences
- Flood Storage Area

**Flooding from Rivers**

- Flood Zone 1 (<1 in 1000 chance in any year)
- Flood Zone 2 (1 in 1000 chance in any year)
- Flood Zone 3 (1 in 100 chance in any year)
- Flood Zone 3b Functional Floodplain
- 1 in 100 chance including allowance for future climate change
- Areas Benefiting from Defences
- Historic Flood Map
- BGDB Flood Records
- EA Flood Records

**Notes**  
 Main Rivers are designated by Defra on a 'Main River Map'. The Environment Agency has permissive powers to carry out flood defence works, maintenance and operational activities for Main Rivers only. However overall responsibility for maintenance lies with the riparian owner.

An Ordinary Watercourse is a watercourse that does not form part of a Main River. This includes all rivers and streams and all ditches, drains, cuts, culverts, dikes, sluices (other than public sewers within the meaning of the Water Industry Act 1991) and passages, through which water flows according to the Land Drainage Act 1991.

Drainage Boards have powers under the Land Drainage Act 1991 (as amended by the 1994 Act) to undertake works on any watercourse within their district other than Main River. A Board's District is defined on a sealed map prepared by the Environment Agency and approved by the relevant Ministry. Within the Drainage Districts, Boards have designated arterial watercourses to which they will normally apply their statutory powers.

The Risk from Rivers is divided into the following categories:  
 Flood Zone 1 - Land having a less than 1,000 (0.1%) annual probability of river flooding in any year. Shown as clear on the Flood Map - all land outside Flood Zones 2 and 3.  
 Flood Zone 2 - Land having between a 1 in 100 and 1 in 1,000 (between 1% and 0.1%) annual probability of river flooding in any year.  
 Flood Zone 3a - Land having a 1 in 100 (1%) or greater annual probability of river flooding in any year.  
 Flood Zone 3b - Land where water has to flow or be stored in times of flood, or land purposely designed to flood in an extreme event (0.1% AEP).

Where available, modelled outlines showing land having a 1 in 100 (1%) annual probability of flooding including an allowance for climate change have also been mapped.  
 Further details of the modelling studies used to inform definition of flood zones are provided in the SFRA Report.

This map is intended to provide a strategic overview of fluvial flood risk and should not be used to assess flood risk for individual properties.

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Purpose of Issue **FINAL**

Client

Project Title  
**MILTON KEYNES COUNCIL  
 SURFACE WATER  
 MANAGEMENT PLAN**

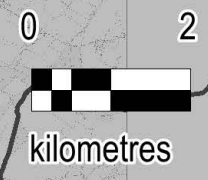
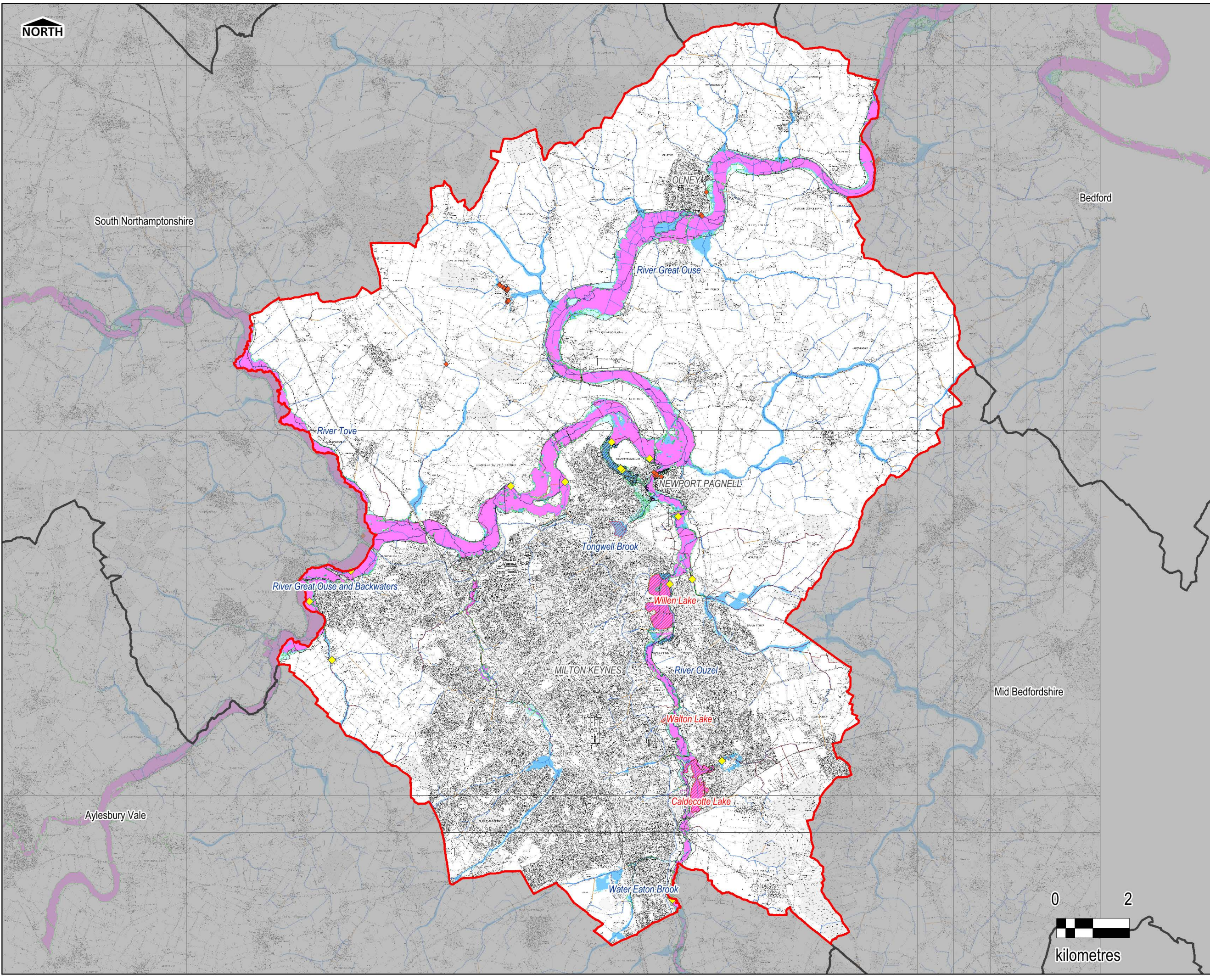
Drawing Title  
**RISK OF FLOODING  
 FROM RIVERS**

|                                      |         |                         |          |
|--------------------------------------|---------|-------------------------|----------|
| Drawn                                | Checked | Approved                | Date     |
| PP                                   | GH      | CP                      | 16/02/15 |
| URS Internal Project No.<br>47073305 |         | Scale at A3<br>1:95,000 |          |

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| Drawing Number    | Rev      |
| <b>FIGURE A.7</b> | <b>1</b> |

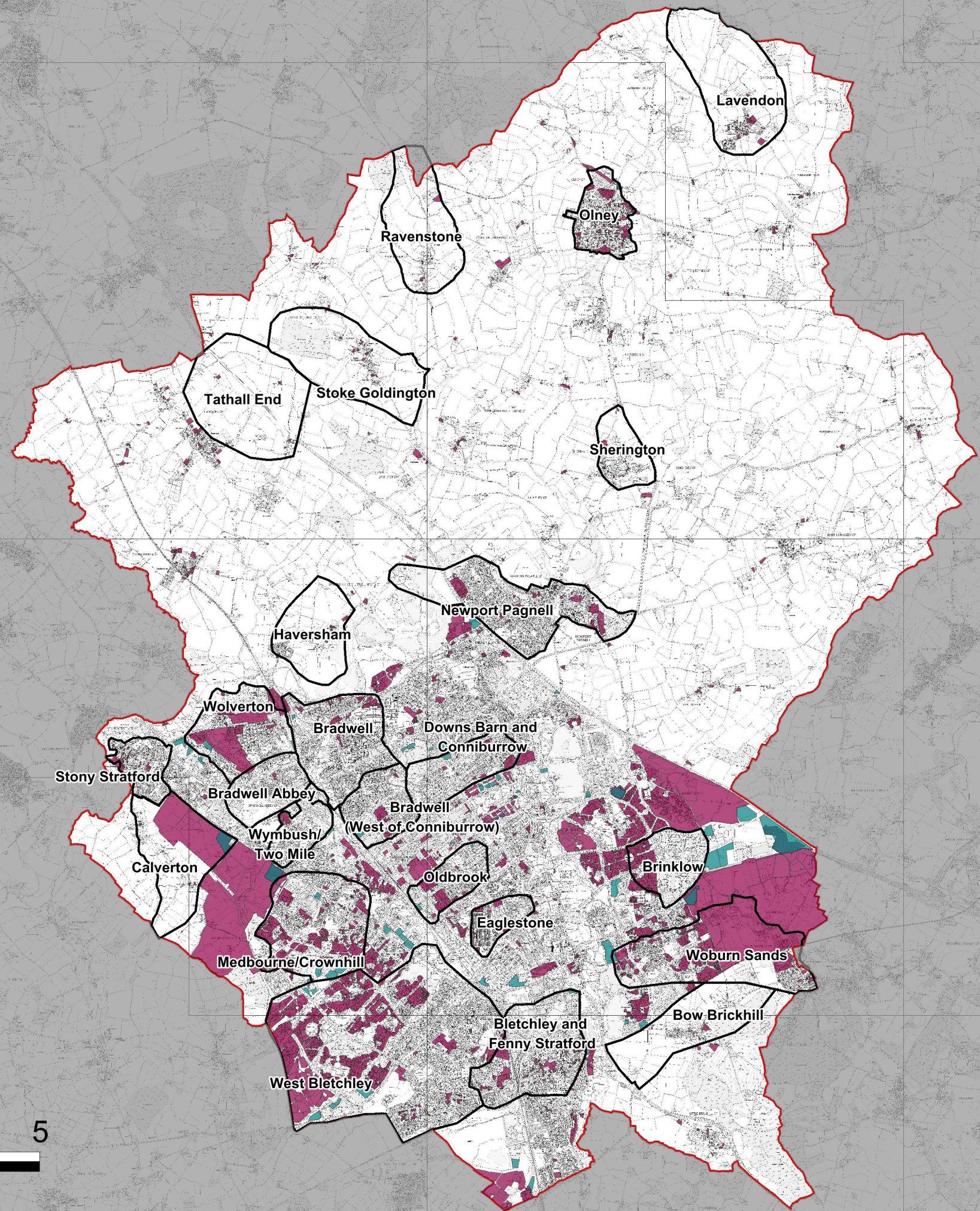




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### Legend

- Draft CDCs
- Proposed Development Land (Employment)
- Proposed Development Land (Housing)
- Milton Keynes Council Administrative Boundary



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Purpose of Issue **FINAL**



Project Title

**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title

**PROPOSED DEVELOPMENT  
WITHIN MILTON KEYNES**

|                          |         |             |          |
|--------------------------|---------|-------------|----------|
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| <b>FIGURE A8</b> | <b>1</b> |



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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary

**Risk of Surface Water - Flood Depths (m)**

- > 1.20
- 0.90 - 1.20
- 0.60 - 0.90
- 0.30 - 0.60
- 0.15 - 0.30
- 0.00 - 0.15

**Notes**

The uFMSW depth maps use the following categories for banding flood water depth (above ground level):

0.15-0.30m - At 0.15m, flooding would typically exceed kerb height (standard kerb height is 125mm), likely exceed the level of damp-proof course and cause property flooding in some areas.

0.30-0.60m - At 0.30m, flooding is likely to cause property flooding. This is based on average property threshold levels.

0.60-0.90m - Property-level flood resilience measures are typically effective up to a water depth of 0.60m above floor level. Above depths of 0.60m these measures are likely to be much less effective and structural damage is more likely to occur. However, as floor levels vary, the maximum flood depth where resilience measures are still effective may be in a range between 0.60m and 0.90m above ground level.

0.90-1.20 & >1.20m - Very likely to exceed the maximum flood depth where property-level flood resilience measures are still effective.

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Purpose of Issue

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Client



Project Title

**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title

**SURFACE WATER FLOOD  
DEPTHS 3.3% AEP**

|       |         |          |          |
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| Drawn | Checked | Approved | Date     |
| PP    | GH      | JR       | 03/11/15 |

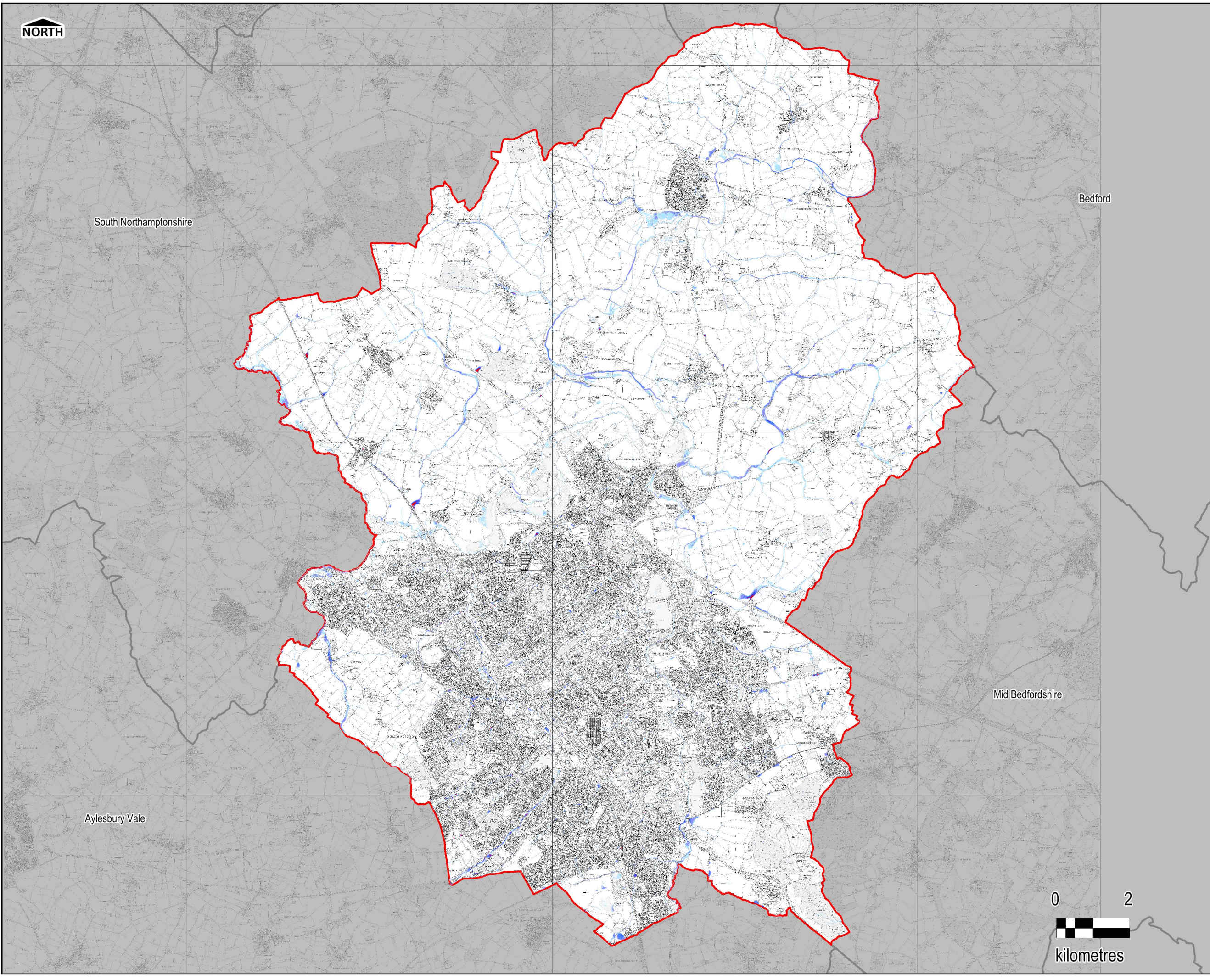
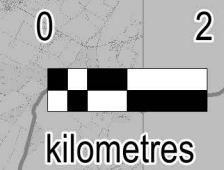
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|                    |          |
|--------------------|----------|
| Drawing Number     | Rev      |
| <b>FIGURE A.9a</b> | <b>1</b> |



South Northamptonshire

Bedford

Mid Bedfordshire

Aylesbury Vale



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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary

**Surface Water - Flood Depth (m)**

- > 1.20
- 0.90 - 1.20
- 0.60 - 0.90
- 0.30 - 0.60
- 0.15 - 0.30
- 0.00 - 0.15

**Notes**

The uFMSW depth maps use the following categories for banding flood water depth (above ground level):

0.15-0.30m - At 0.15m, flooding would typically exceed kerb height (standard kerb height is 125mm), likely exceed the level of damp-proof course and cause property flooding in some areas.

0.30-0.60m - At 0.30m, flooding is likely to cause property flooding. This is based on average property threshold levels.

0.60-0.90m - Property-level flood resilience measures are typically effective up to a water depth of 0.60m above floor level. Above depths of 0.60m these measures are likely to be much less effective and structural damage is more likely to occur. However, as floor levels vary, the maximum flood depth where resilience measures are still effective may be in a range between 0.60m and 0.90m above ground level.

0.90-1.20 & >1.20m - Very likely to exceed the maximum flood depth where property-level flood resilience measures are still effective.

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Purpose of Issue **FINAL**



Project Title  
**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title  
**SURFACE WATER FLOOD  
DEPTHS 1% AEP**

|             |               |                |                  |
|-------------|---------------|----------------|------------------|
| Drawn<br>PP | Checked<br>GH | Approved<br>JR | Date<br>03/11/15 |
|-------------|---------------|----------------|------------------|

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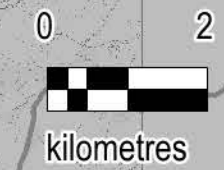
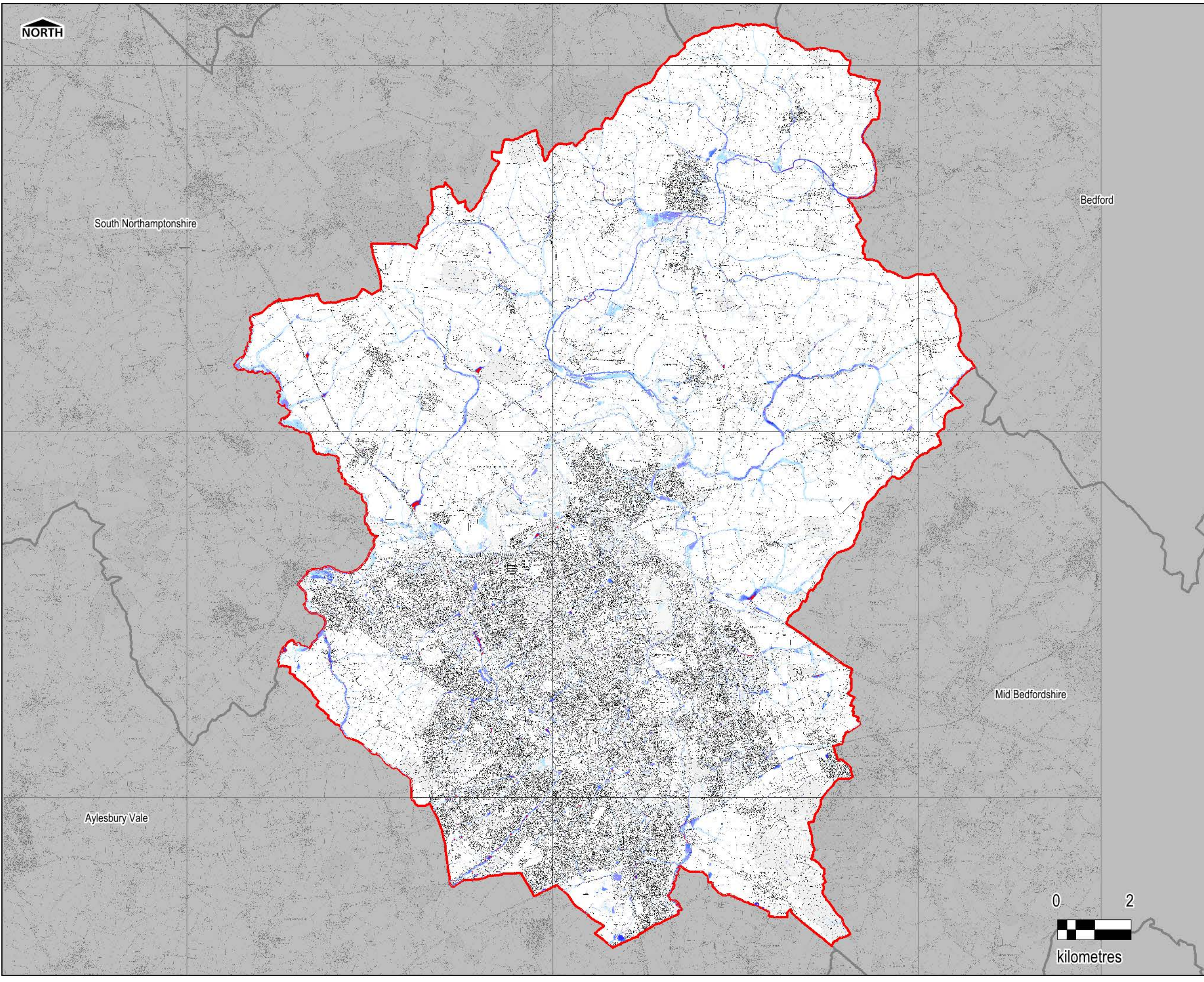
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Figure Number  
**FIGURE A.9b**

Rev  
**1**





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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary

**Risk of Surface Water - Flood Depths (m)**

- > 1.20
- 0.90 - 1.20
- 0.60 - 0.90
- 0.30 - 0.60
- 0.15 - 0.30
- 0.00 - 0.15

**Notes**

The uFMSW depth maps use the following categories for banding flood water depth (above ground level):

0.15-0.30m - At 0.15m, flooding would typically exceed kerb height (standard kerb height is 125mm), likely exceed the level of damp-proof course and cause property flooding in some areas.

0.30-0.60m - At 0.30m, flooding is likely to cause property flooding. This is based on average property threshold levels.

0.60-0.90m - Property-level flood resilience measures are typically effective up to a water depth of 0.60m above floor level. Above depths of 0.60m these measures are likely to be much less effective and structural damage is more likely to occur. However, as floor levels vary, the maximum flood depth where resilience measures are still effective may be in a range between 0.60m and 0.90m above ground level.

0.90-1.20 & >1.20m - Very likely to exceed the maximum flood depth where property-level flood resilience measures are still effective.

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Project Title  
**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title  
**SURFACE WATER FLOOD  
DEPTHS 0.1% AEP**

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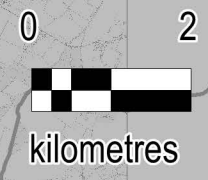
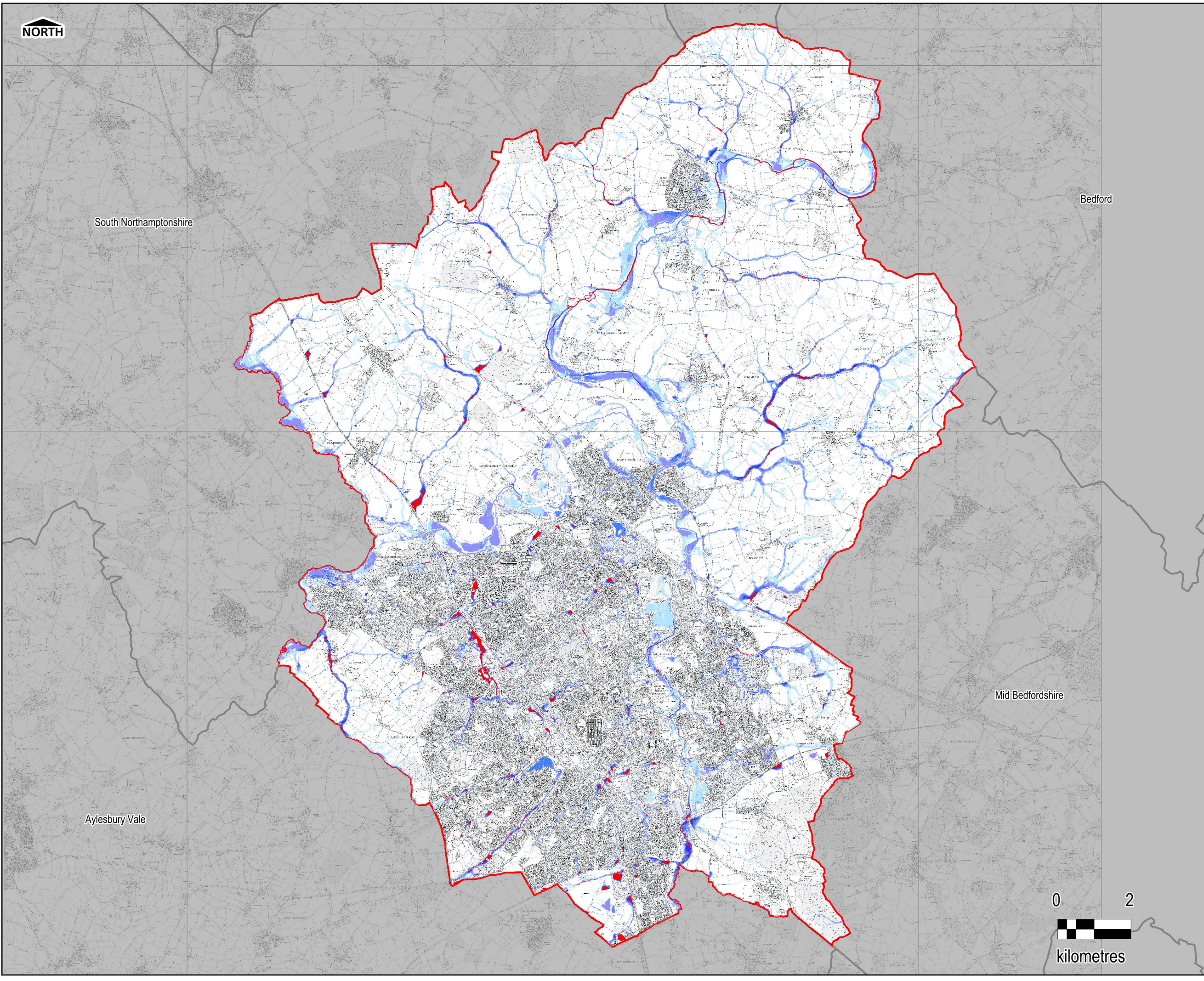
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Drawing Number **FIGURE A.9c** Rev **1**



South Northamptonshire

Bedford

Mid Bedfordshire

Aylesbury Vale



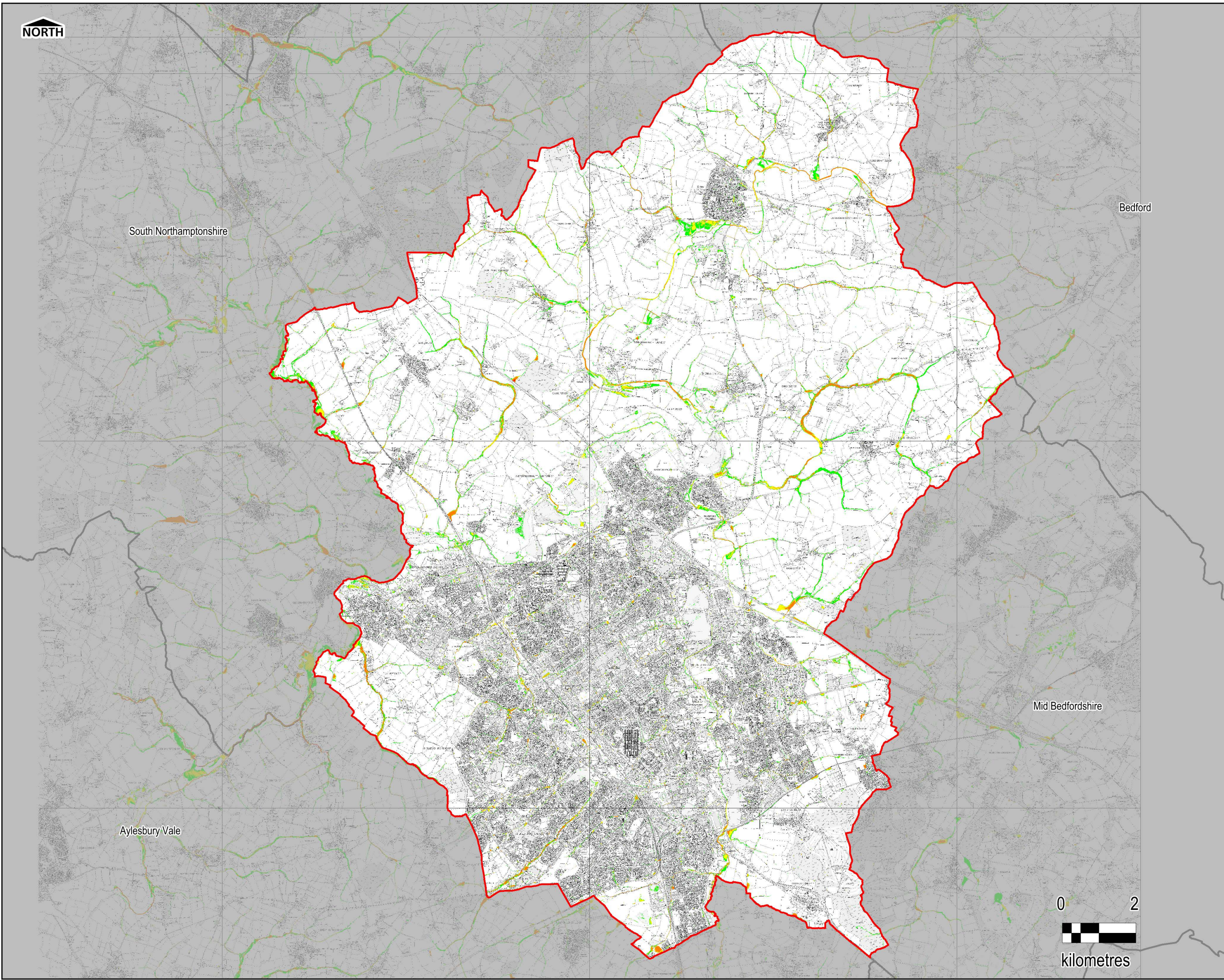
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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary

**uFMfSW Hazard Rating**

- > 2.00 Extreme Risk
- 1.25 - 2.00 Significant Risk
- 0.75 - 1.25 Moderate Risk
- 0.50 - 0.75 Low Risk



**Notes**

The uFMfSW includes maps showing hazing rating based on a function of simultaneous depth and velocity for England and Wales. This uses the following equation:

Hazard rating = depth x (velocity + 0.5) + debris factor

The following hazard categories are used:

- Low hazard (hazard rating 0.5-0.75);
- Moderate hazard (hazard rating 0.75-1.25)
- Significant hazard (hazard rating 1.25-2.0)
- Extreme hazard (hazard rating 2.0 and above)

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Purpose of Issue **FINAL**



Project Title

**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

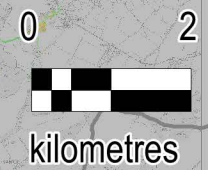
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**SURFACE WATER  
HAZARD MAP 3.3% AEP**

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Drawing Number **FIGURE A.9d** Rev **1**



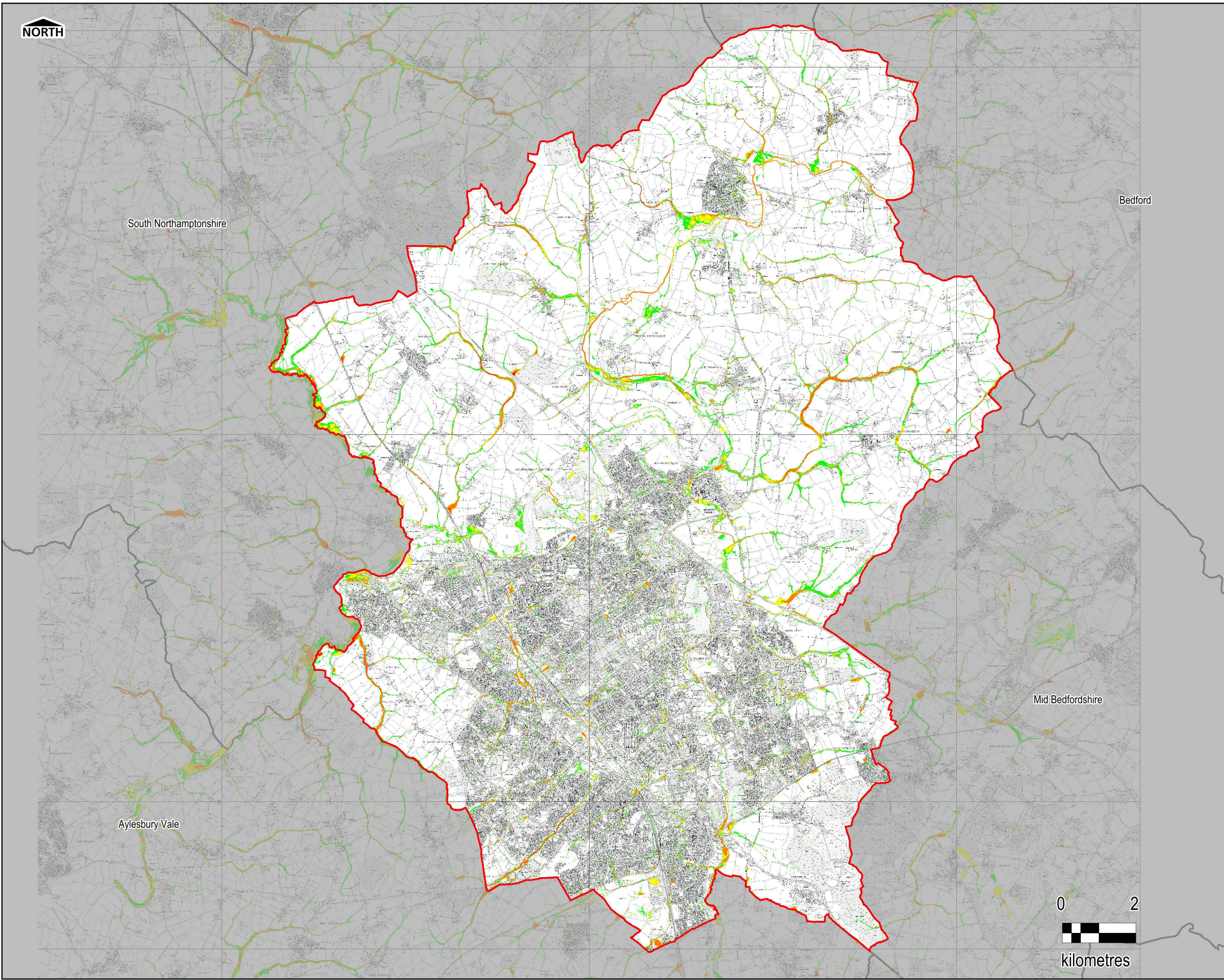
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**LEGEND**

- Milton Keynes Council Boundary
- Local Planning Authority Boundary

**uFMfSW Hazard Rating**

- > 2.00 Extreme Risk
- 1.25 - 2.00 Significant Risk
- 0.75 - 1.25 Moderate Risk
- 0.50 - 0.75 Low Risk



**Notes**

The uFMfSW includes maps showing hazing rating based on a function of simultaneous depth and velocity for England and Wales. This uses the following equation:

Hazard rating = depth x (velocity + 0.5) + debris factor

The following hazard categories are used:

- Low hazard (hazard rating 0.5-0.75);
- Moderate hazard (hazard rating 0.75-1.25)
- Significant hazard (hazard rating 1.25-2.0)
- Extreme hazard (hazard rating 2.0 and above)

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Project Title

**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title

**SURFACE WATER  
HAZARD MAP 1% AEP**

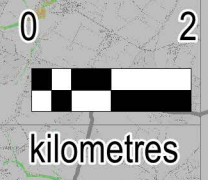
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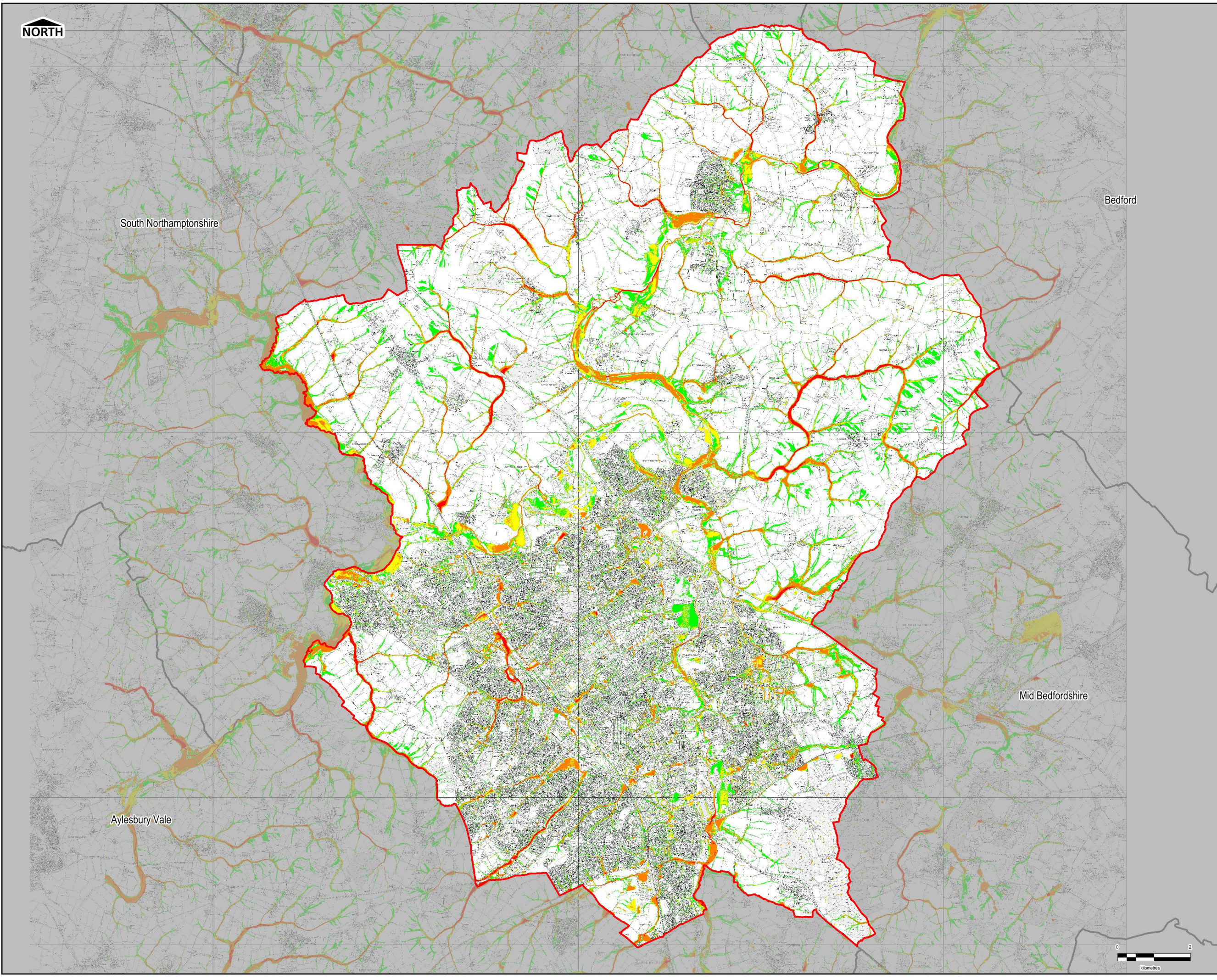
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**LEGEND**

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- Local Planning Authority Boundary

**uFMfSW Hazard Rating**

- > 2.00 Extreme Risk
- 1.25 - 2.00 Significant Risk
- 0.75 - 1.25 Moderate Risk
- 0.50 - 0.75 Low Risk



**Notes**

The uFMfSW includes maps showing hazing rating based on a function of simultaneous depth and velocity for England and Wales. This uses the following equation:

Hazard rating = depth x (velocity + 0.5) + debris factor

The following hazard categories are used:

- Low hazard (hazard rating 0.5-0.75);
- Moderate hazard (hazard rating 0.75-1.25)
- Significant hazard (hazard rating 1.25-2.0)
- Extreme hazard (hazard rating 2.0 and above)

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Project Title

**MILTON KEYNES COUNCIL  
SURFACE WATER  
MANAGEMENT PLAN**

Drawing Title

**SURFACE WATER  
HAZARD MAP 0.1% AEP**

|                          |         |             |          |
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