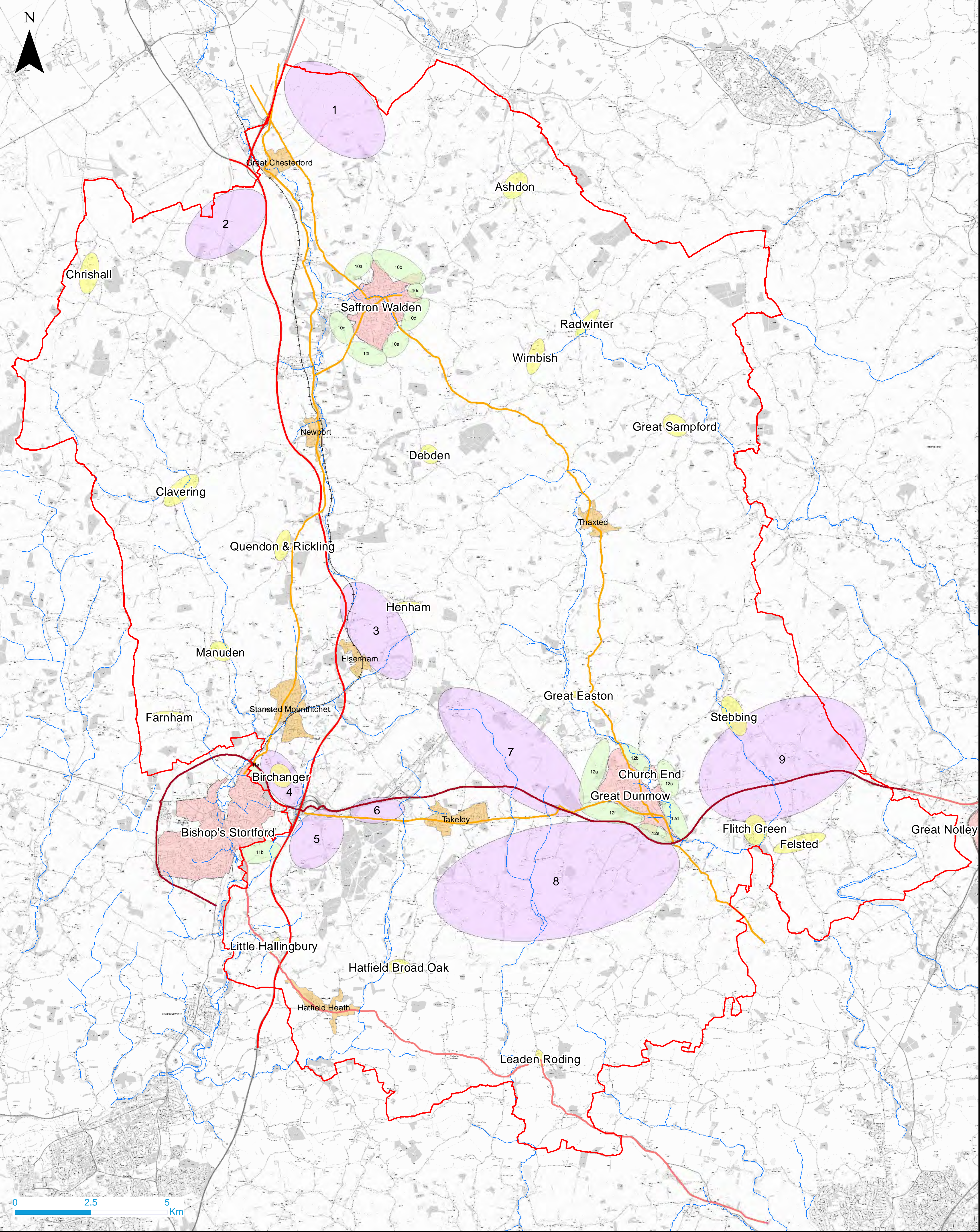




List of Maps

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- Map 2: Study area
- Map 3: Superficial geology
- Map 4: Bedrock geology
- Map 5: Historical flooding
- Map 6: Flood Zones
- Map 7: Flood defences, assets and structures
- Map 8: Updated Flood Map for Surface Water
- Map 9: Areas Susceptible to Groundwater Flooding
- Map 10: Sewer flooding register



LEGEND

Infrastructure	Area of Search
M11	Urban Extensions
A Roads	Key Villages Area of Search
B Roads	Type A Villages Area of Search
A120	New Settlements Area of Search
Railway	Main Rivers
Built up Areas	Uttlesford District Boundary

STRATEGIC FLOOD RISK ASSESSMENT

MAP 1: AREAS OF SEARCH



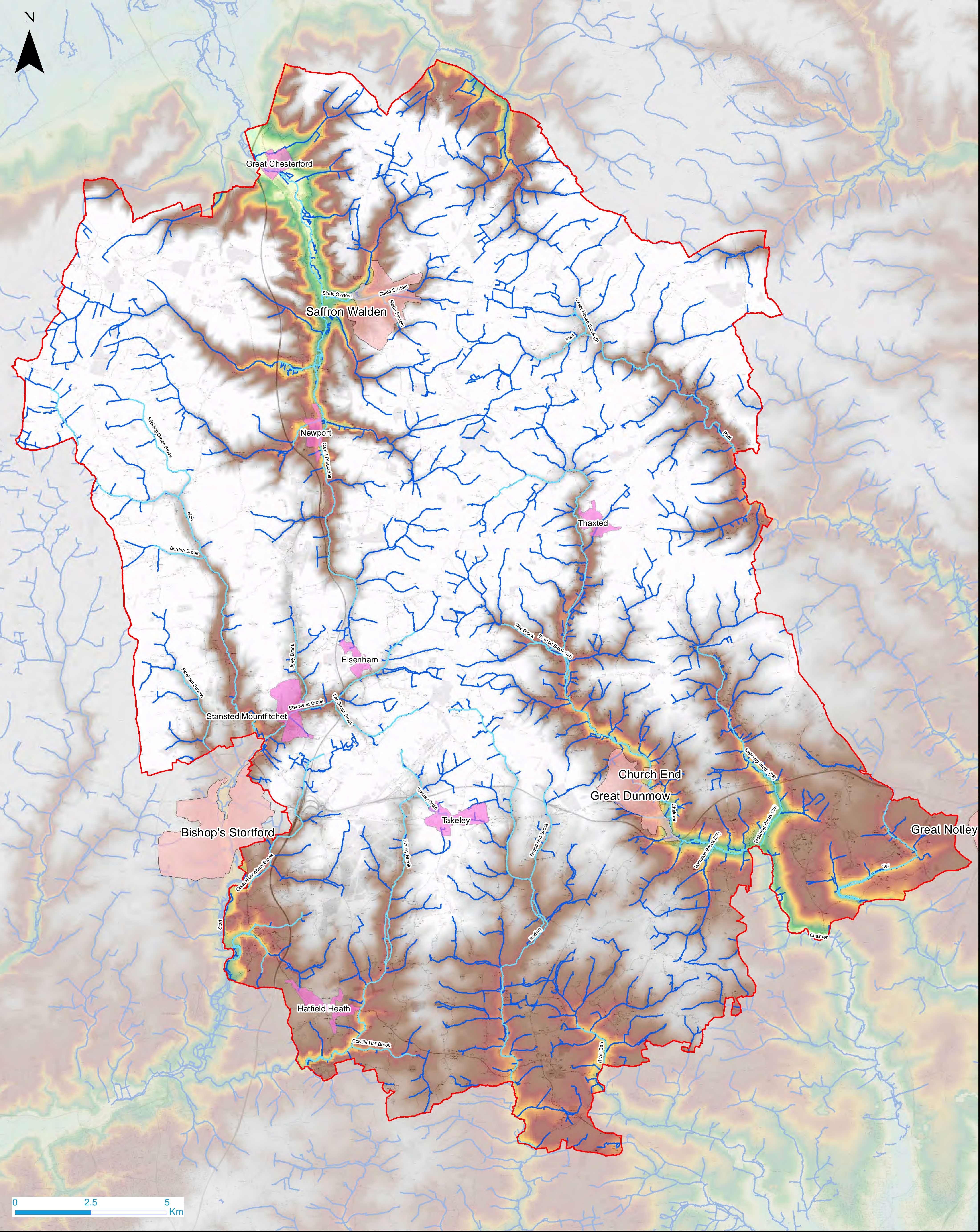
**Uttlesford
District Council**



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LEGEND

- Towns
 - Key Villages
 - Main Rivers
 - Ordinary Watercourses
 - Uttlesford District Boundary
- Terrain Value
- High : 146.9
 - Low : 16.1

STRATEGIC FLOOD RISK ASSESSMENT

MAP 2: STUDY AREA



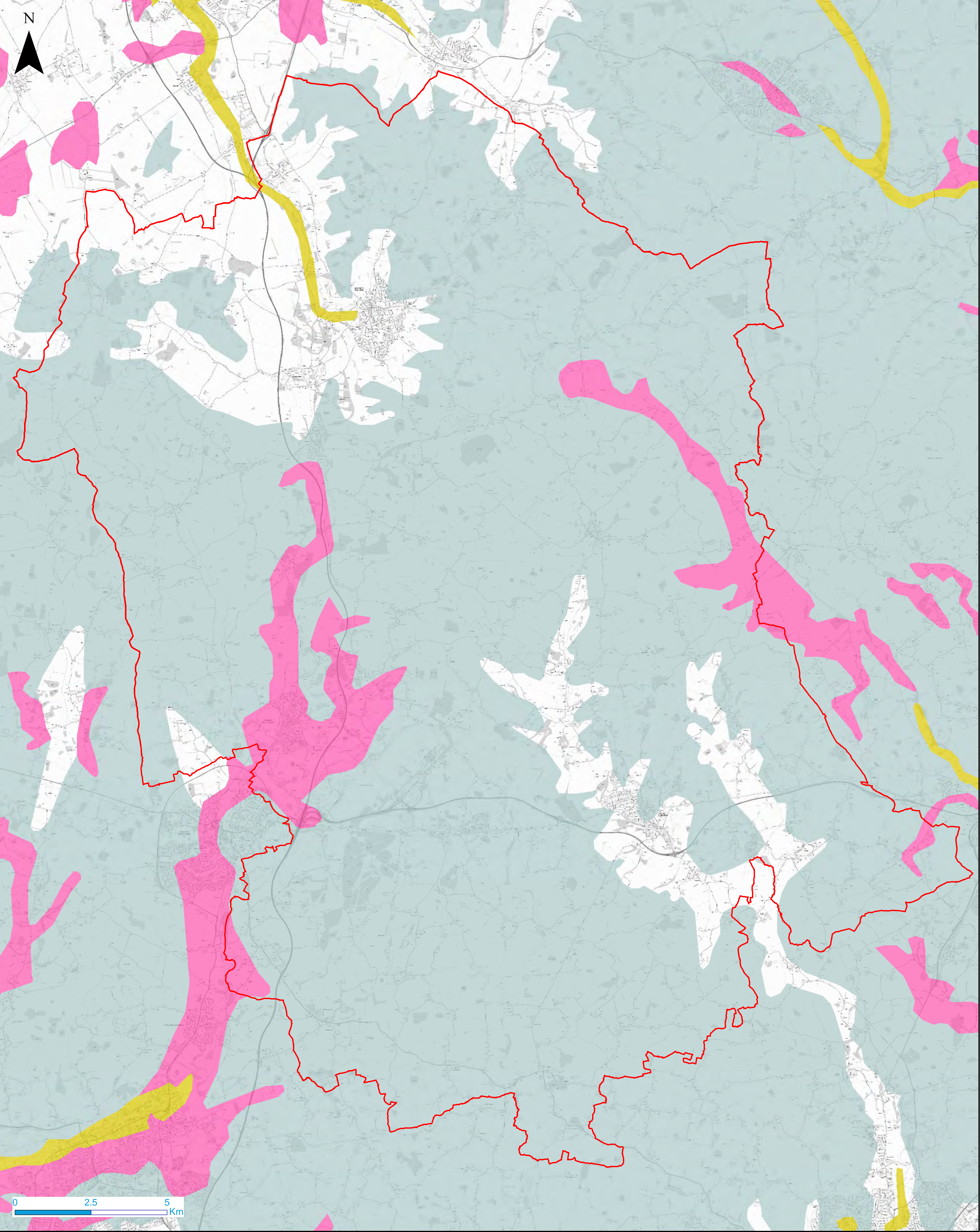
Uttlesford District Council



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LEGEND

British Geological Survey Superficial Deposit Geology

	CLAY, SILT AND SAND
	DIAMICTON
	SAND AND GRAVEL
	Uttlesford District Boundary

STRATEGIC FLOOD RISK ASSESSMENT
MAP 3: SUPERFICIAL GEOLOGY



Uttlesford District Council

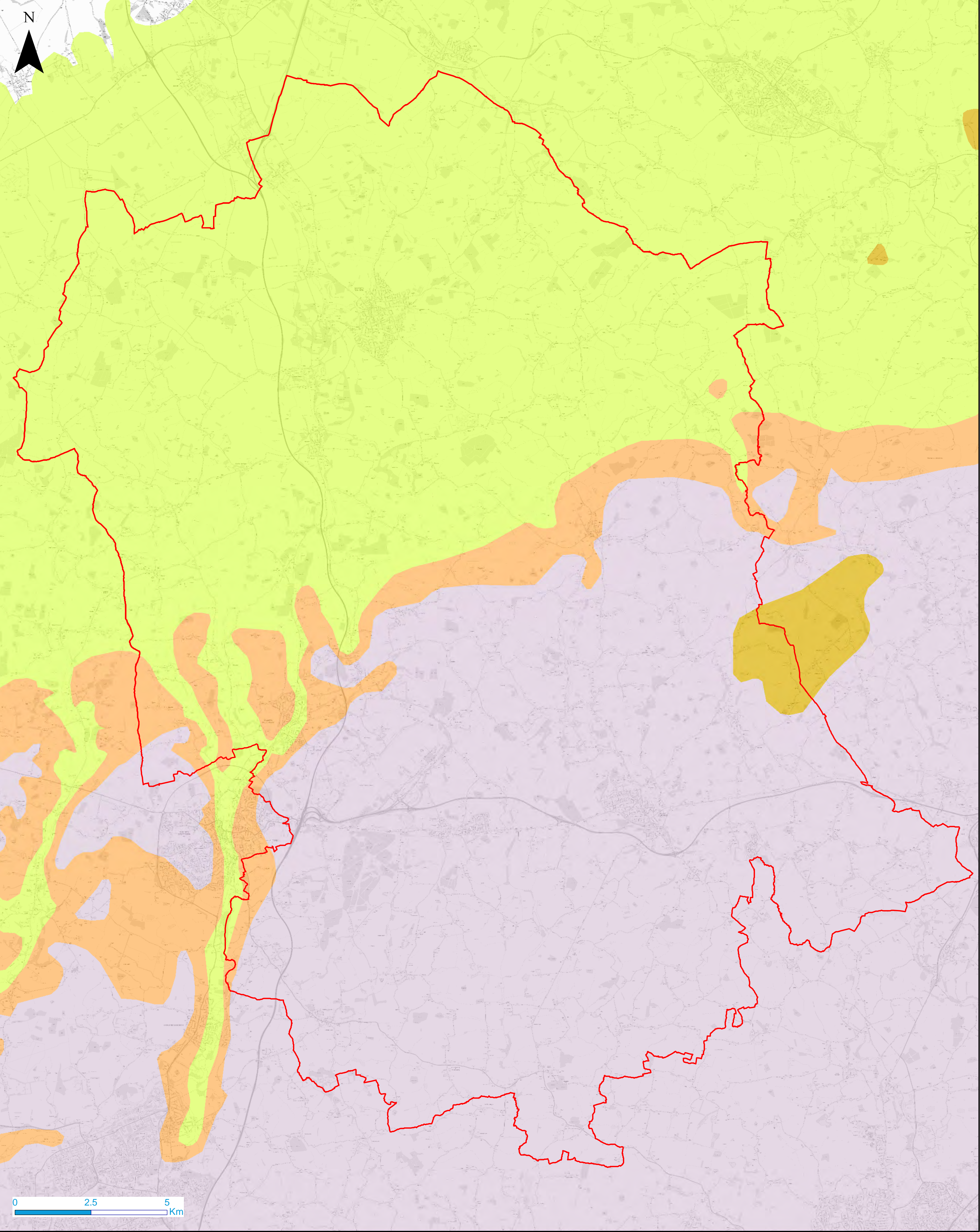


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LEGEND

British Geological Survey Bedrock Geology

	NEOGENE TO QUATERNARY ROCKS (UNDIFFERENTIATED) - GRAVEL, SAND, SILT AND CLAY	<i>Neog-qssc</i>
	THAMES GROUP - CLAY, SILT, SAND AND GRAVEL	<i>Tham-clsg</i>
	LAMBETH GROUP - CLAY, SILT, SAND AND GRAVEL	<i>Lmbc-clsg</i>
	WHITE CHALK SUBGROUP - CHALK	<i>Whck-chlk</i>
	Uttlesford District Boundary	

STRATEGIC FLOOD RISK ASSESSMENT
MAP 4: BEDROCK GEOLOGY



Uttlesford District Council

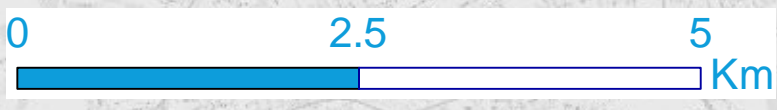
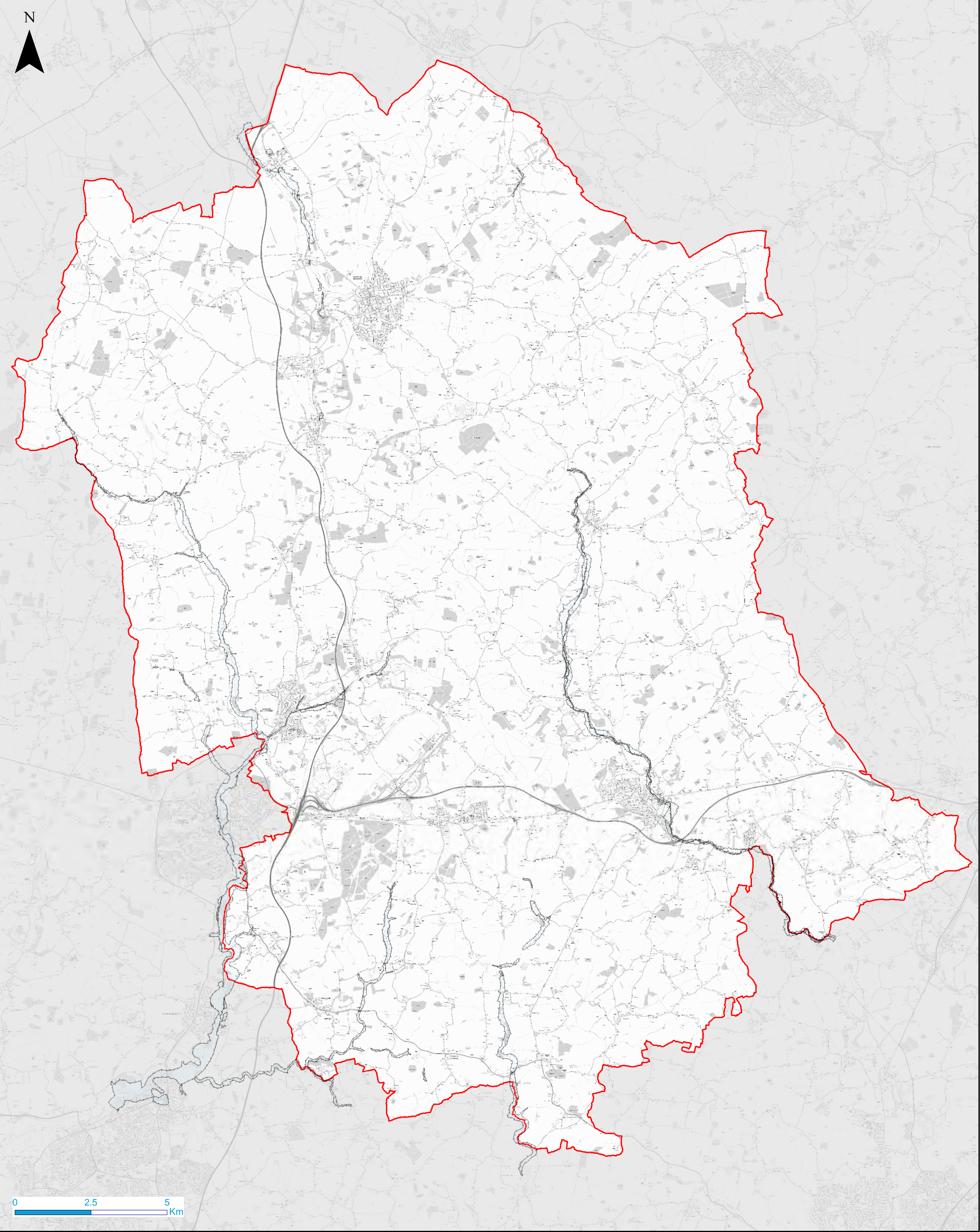


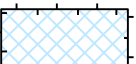

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- LEGEND**
-  Environment Agency Historic Flood Map
 -  Uttlesford Region

STRATEGIC FLOOD RISK ASSESSMENT
MAP 5: HISTORIC FLOOD MAP



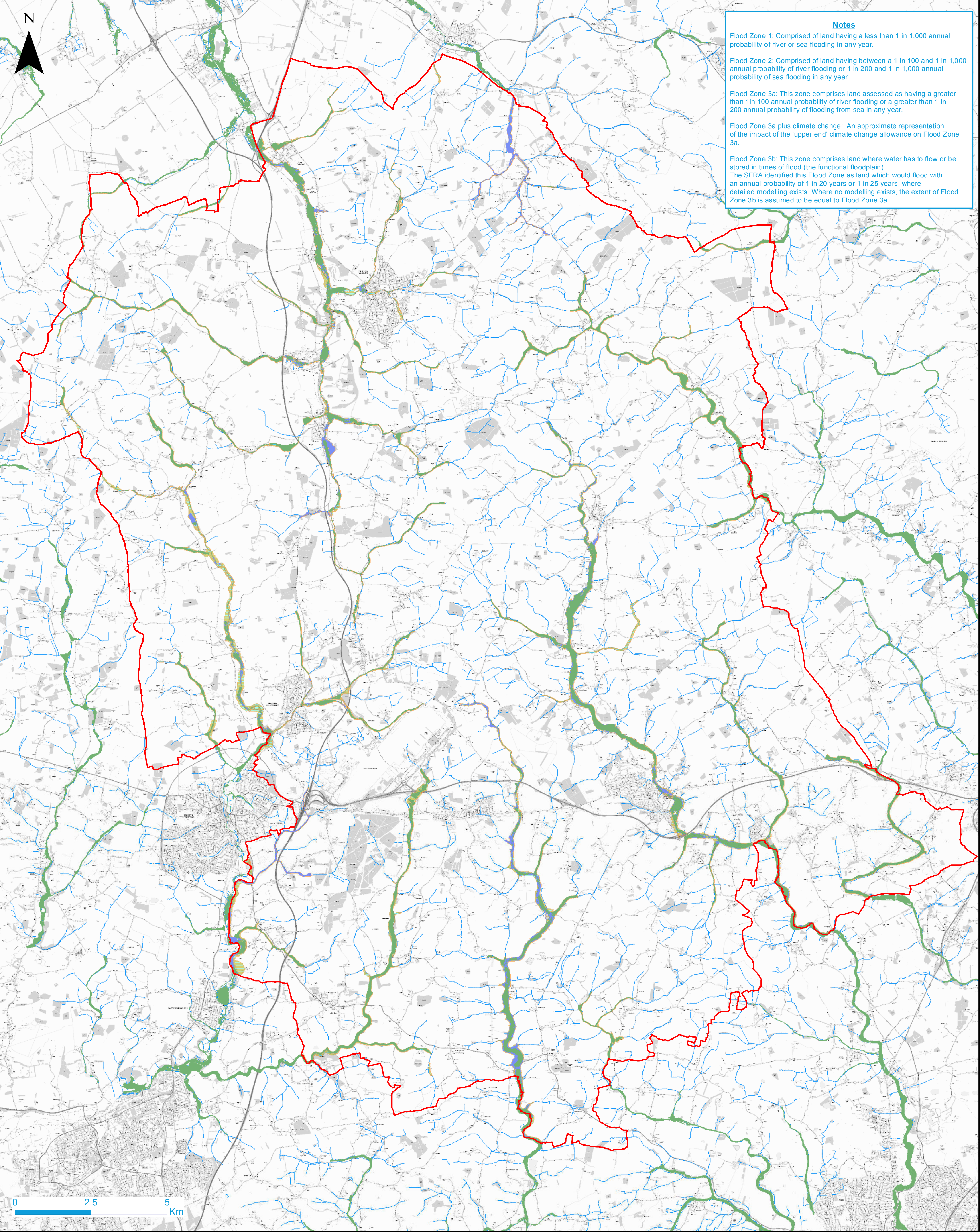
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Notes

Flood Zone 1: Comprised of land having a less than 1 in 1,000 annual probability of river or sea flooding in any year.

Flood Zone 2: Comprised of land having between a 1 in 100 and 1 in 1,000 annual probability of river flooding or 1 in 200 and 1 in 1,000 annual probability of sea flooding in any year.

Flood Zone 3a: This zone comprises land assessed as having a greater than 1 in 100 annual probability of river flooding or a greater than 1 in 200 annual probability of flooding from sea in any year.

Flood Zone 3a plus climate change: An approximate representation of the impact of the 'upper end' climate change allowance on Flood Zone 3a.

Flood Zone 3b: This zone comprises land where water has to flow or be stored in times of flood (the functional floodplain). The SFRA identified this Flood Zone as land which would flood with an annual probability of 1 in 20 years or 1 in 25 years, where detailed modelling exists. Where no modelling exists, the extent of Flood Zone 3b is assumed to be equal to Flood Zone 3a.

- LEGEND**
- Uttlesford District Boundary
 - Flood Zone 3b
 - Flood Zone 3a
 - Flood Zone 3a plus climate change
 - Flood Zone 2
 - Detailed River Network

STRATEGIC FLOOD RISK ASSESSMENT

MAP 6: FLOOD ZONES
(REVISION 2)



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Notes
AIMS data was not available for the Cambridgeshire and Bedfordshire Environment Agency area



LEGEND

Environment Agency National Flood Map

- Defences
- Areas Benefiting from Flood Defences

Detailed River Networks (DRN)

- Culverts
- Uttlesford District Boundary

Environment Agency Asset Information Management System (AIMS)

- Active Monitoring Instrument
- Bridge
- Control Gate
- Screen
- Outfall
- Weir
- Raised Defence (Embankments/Walls)
- Culvert

STRATEGIC FLOOD RISK ASSESSMENT

MAP 7: FLOOD DEFENCES, ASSETS AND STRUCTURES



Uttlesford District Council



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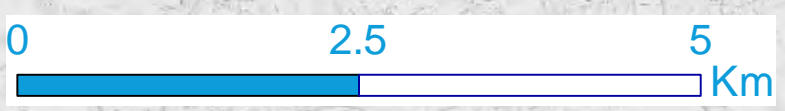


Notes

The updated Flood Map for Surface Water (uFMfSW) shows the flooding that takes place from the 'surface runoff' generated by rainwater (including snow and other precipitation) which:
(a) is on the surface of the ground (whether or not it is moving), and
(b) has not yet entered a watercourse, drainage system or public sewer.



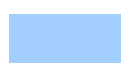

The uFMfSW will pick out natural drainage channels, rivers, low areas in the floodplain and flow paths between buildings but it will only indicate flooding caused by local rainfall.

Note: The uFMfSW shows predictions of flooded areas but does not show whether individual properties will be affected by surface water flooding or have been affected in the past. The uFMfSW should not be used to predict if individual properties will flood.



LEGEND

Environment Agency Updated Flood Map for Surface Water

-  1 in 30 flood extent
-  1 in 100 flood extent
-  1 in 1000 flood extent
-  Uttlesford District Boundary

STRATEGIC FLOOD RISK ASSESSMENT

MAP 8: UPDATED FLOOD MAP FOR SURFACE WATER



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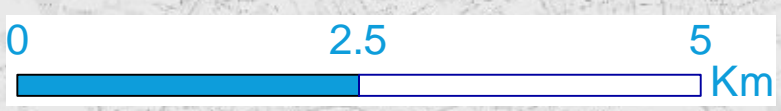
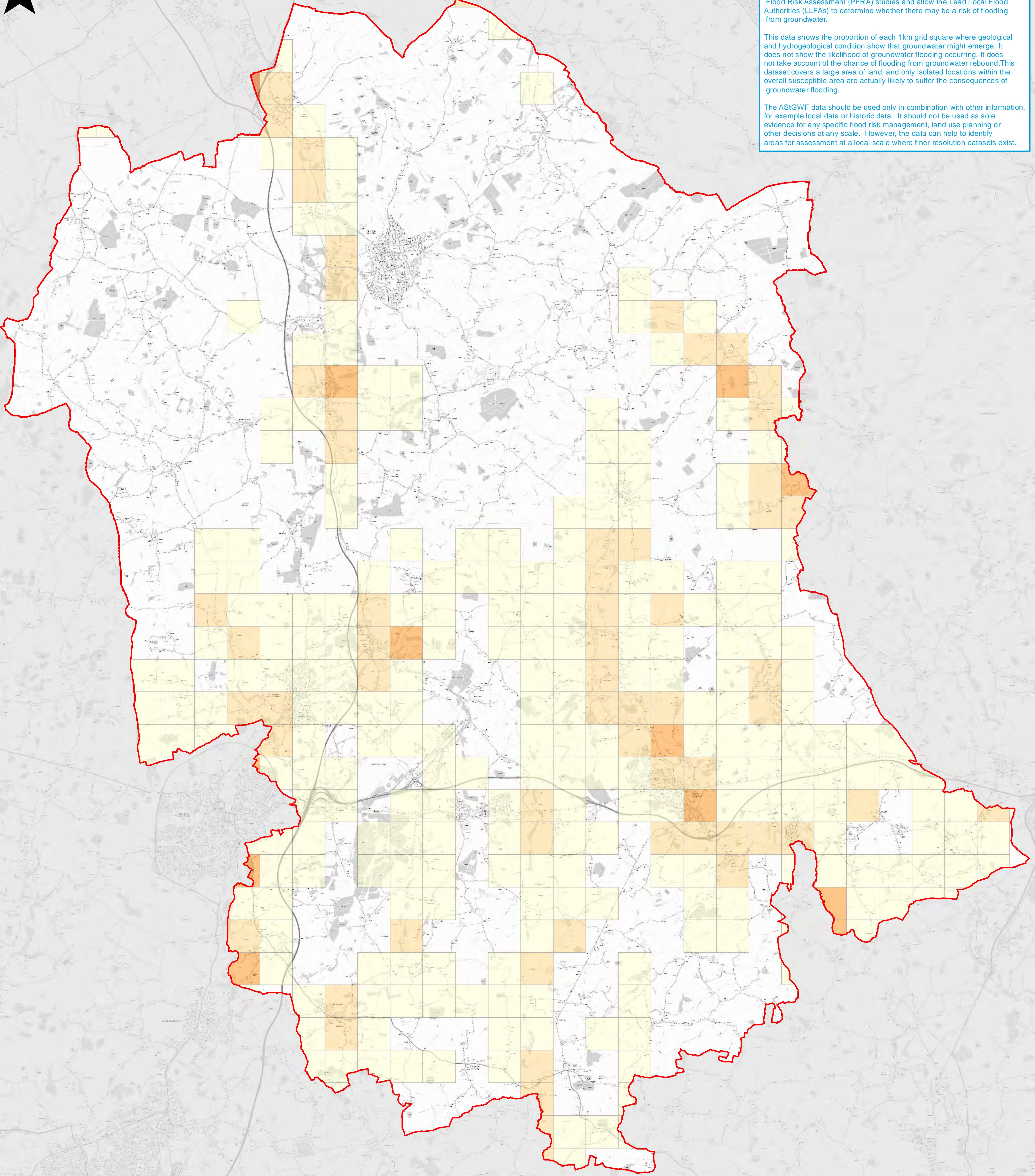


Notes

The Areas Susceptible to Groundwater Flooding (ASIGWF) is a strategic scale map showing groundwater flood areas on a 1km square grid. The data was produced to annotate indicative Flood Risk Areas for Preliminary Flood Risk Assessment (PFRA) studies and allow the Lead Local Flood Authorities (LLFAs) to determine whether there may be a risk of flooding from groundwater.






This data shows the proportion of each 1km grid square where geological and hydrogeological condition show that groundwater might emerge. It does not show the likelihood of groundwater flooding occurring. It does not take account of the chance of flooding from groundwater rebound. This dataset covers a large area of land, and only isolated locations within the overall susceptible area are actually likely to suffer the consequences of groundwater flooding.

The ASIGWF data should be used only in combination with other information, for example local data or historic data. It should not be used as sole evidence for any specific flood risk management, land use planning or other decisions at any scale. However, the data can help to identify areas for assessment at a local scale where finer resolution datasets exist.



LEGEND

Environment Agency Areas Susceptible to Groundwater Flooding

- RISK**
-  $\geq 75\%$
 -  $\geq 50\% < 75\%$
 -  $\geq 25\% < 50\%$
 -  $< 25\%$
 -  Uttlesford District Boundary

STRATEGIC FLOOD RISK ASSESSMENT

MAP 9: AREAS SUSCEPTIBLE TO GROUNDWATER FLOODING



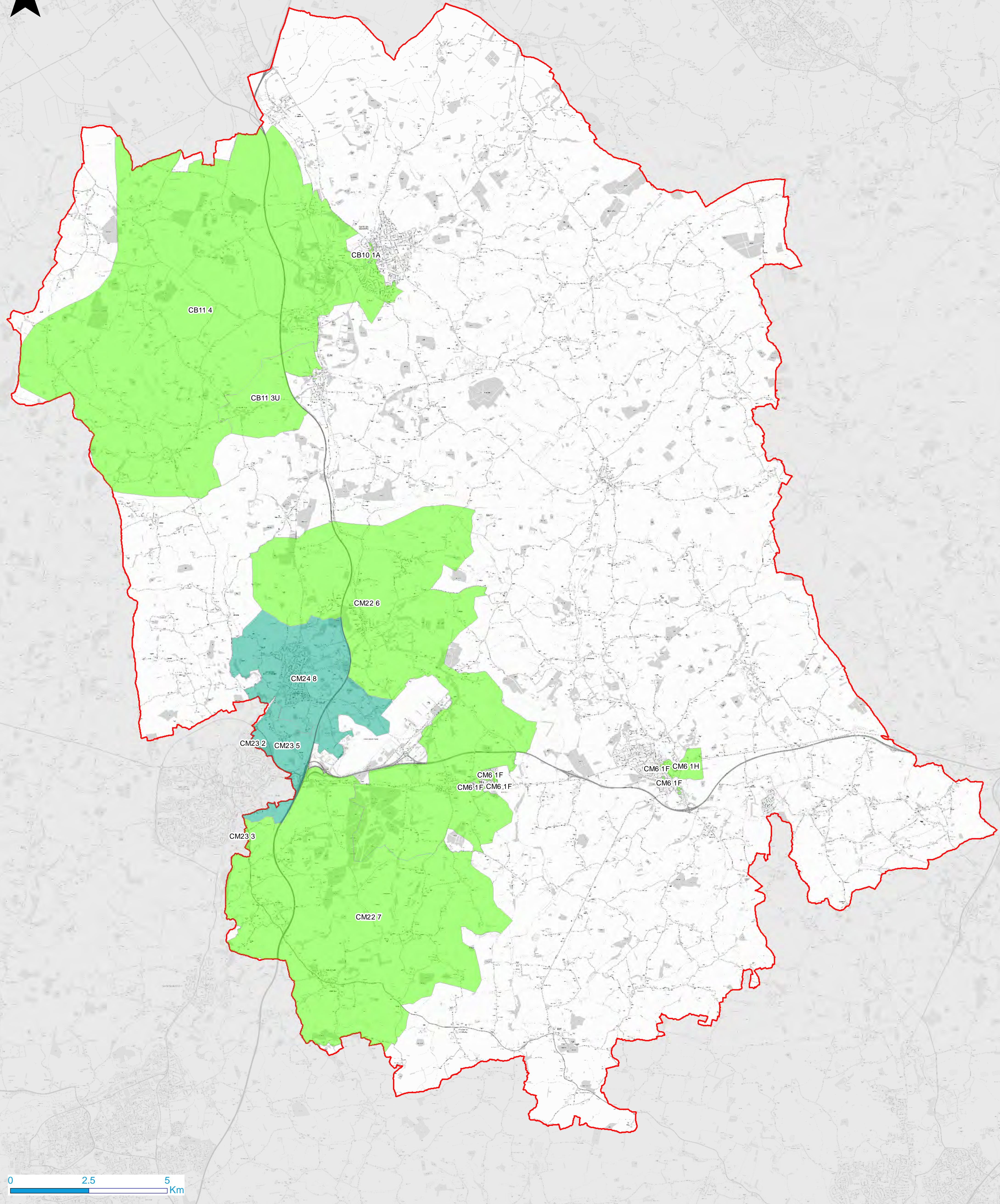
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LEGEND

Number of Properties on Register

	1-5
	6-10
	Uttlesford District Boundary

STRATEGIC FLOOD RISK ASSESSMENT
MAP 10: SEWER FLOODING REGISTER



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