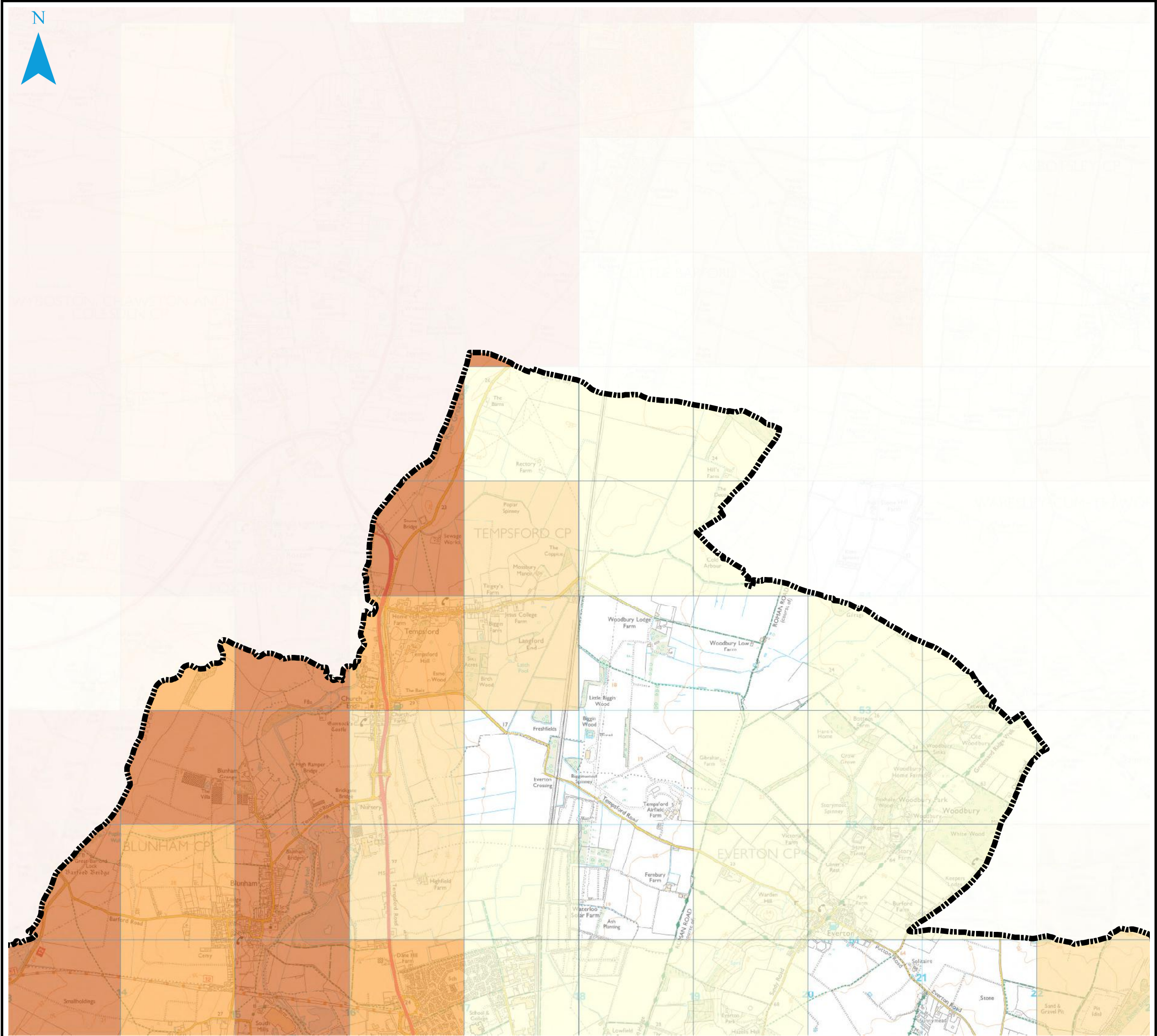


Central Bedfordshire Council Local Plan (2015-2035)

Level 1 Strategic Flood Risk Assessment

Appendix E: Groundwater Flooding

(July 2017)

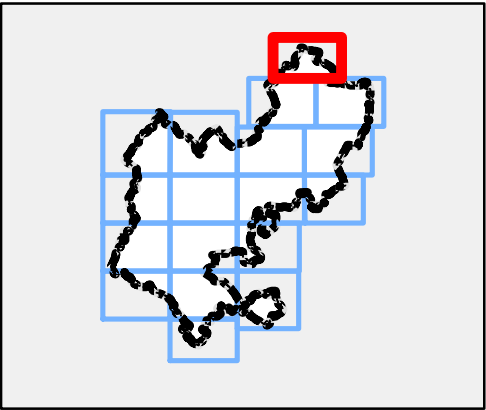


Notes

The Areas Susceptible to Groundwater Flooding (AStGWF) 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.

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


Legend

 Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

-  $\geq 75\%$
-  $\geq 50\% < 75\%$
-  $\geq 25\% < 50\%$
-  $< 25\%$

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
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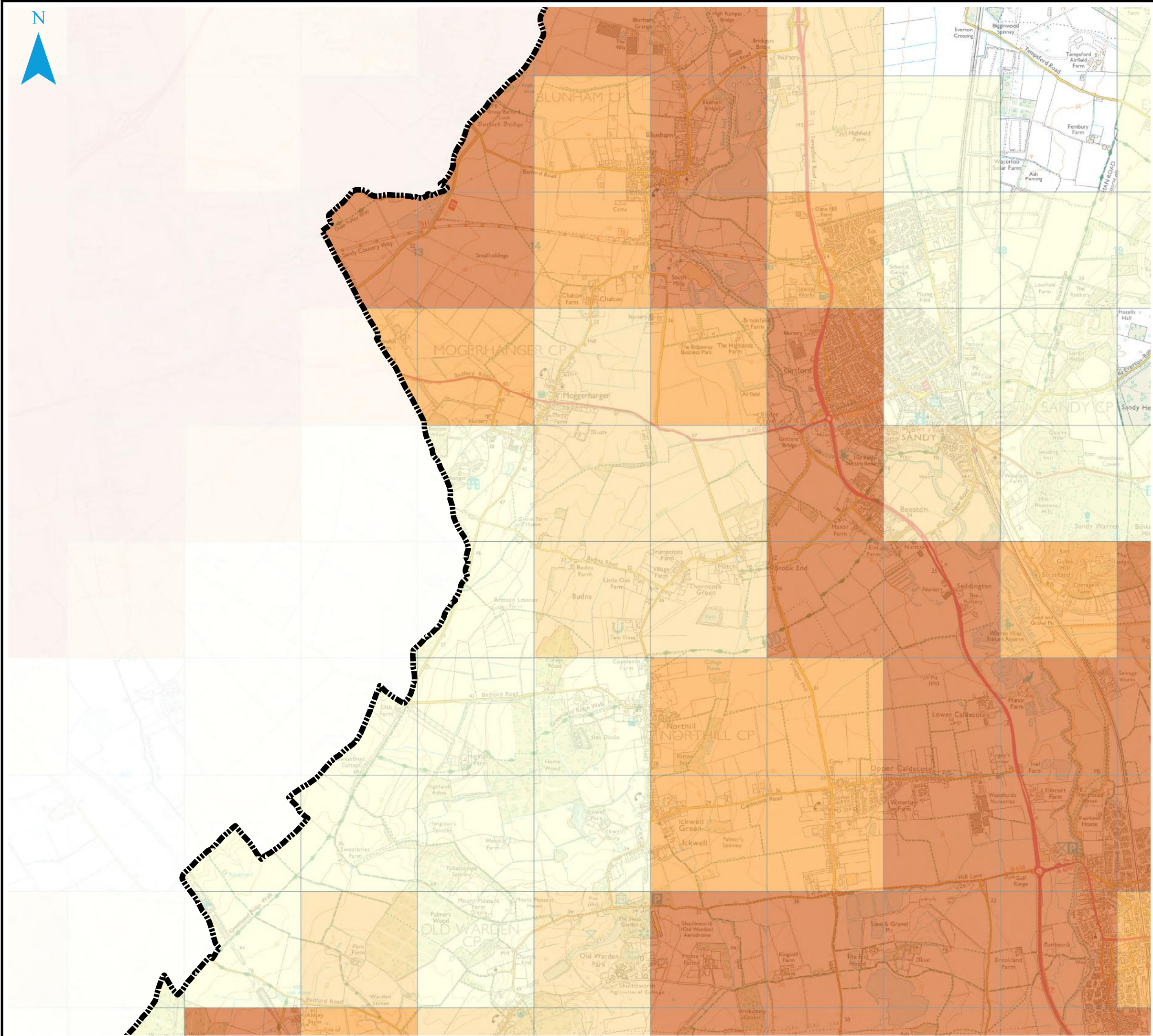
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 1 of 18 Index Number: CBC_SFRA_1

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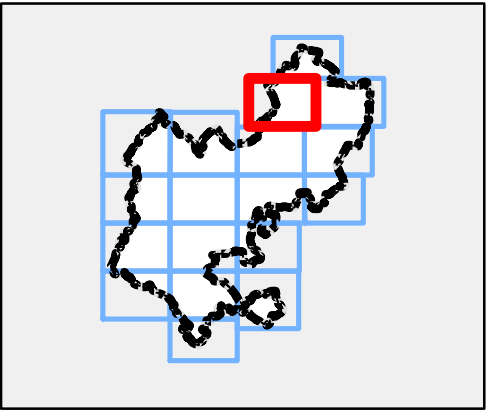


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Legend



Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

≥ 75%

≥ 50% < 75%

≥ 25% < 50%

< 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
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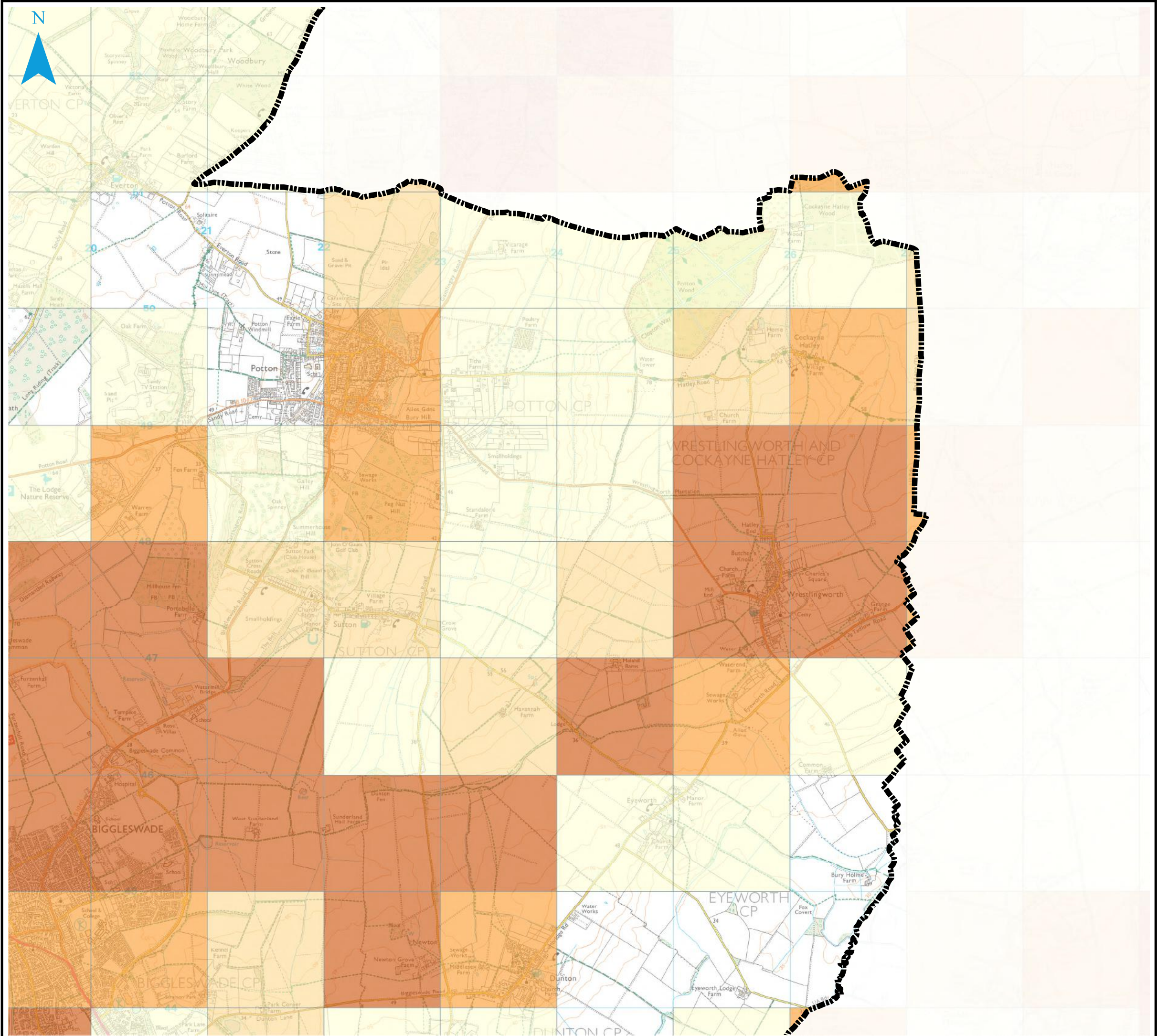
CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 2 of 18

Index Number: CBC_SFRA_2

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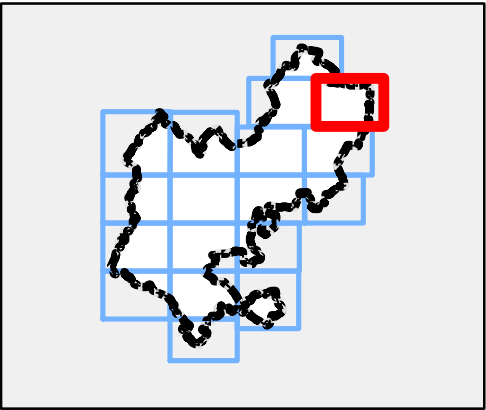


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Legend

Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

- ≥ 75%
- ≥ 50% < 75%
- ≥ 25% < 50%
- < 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
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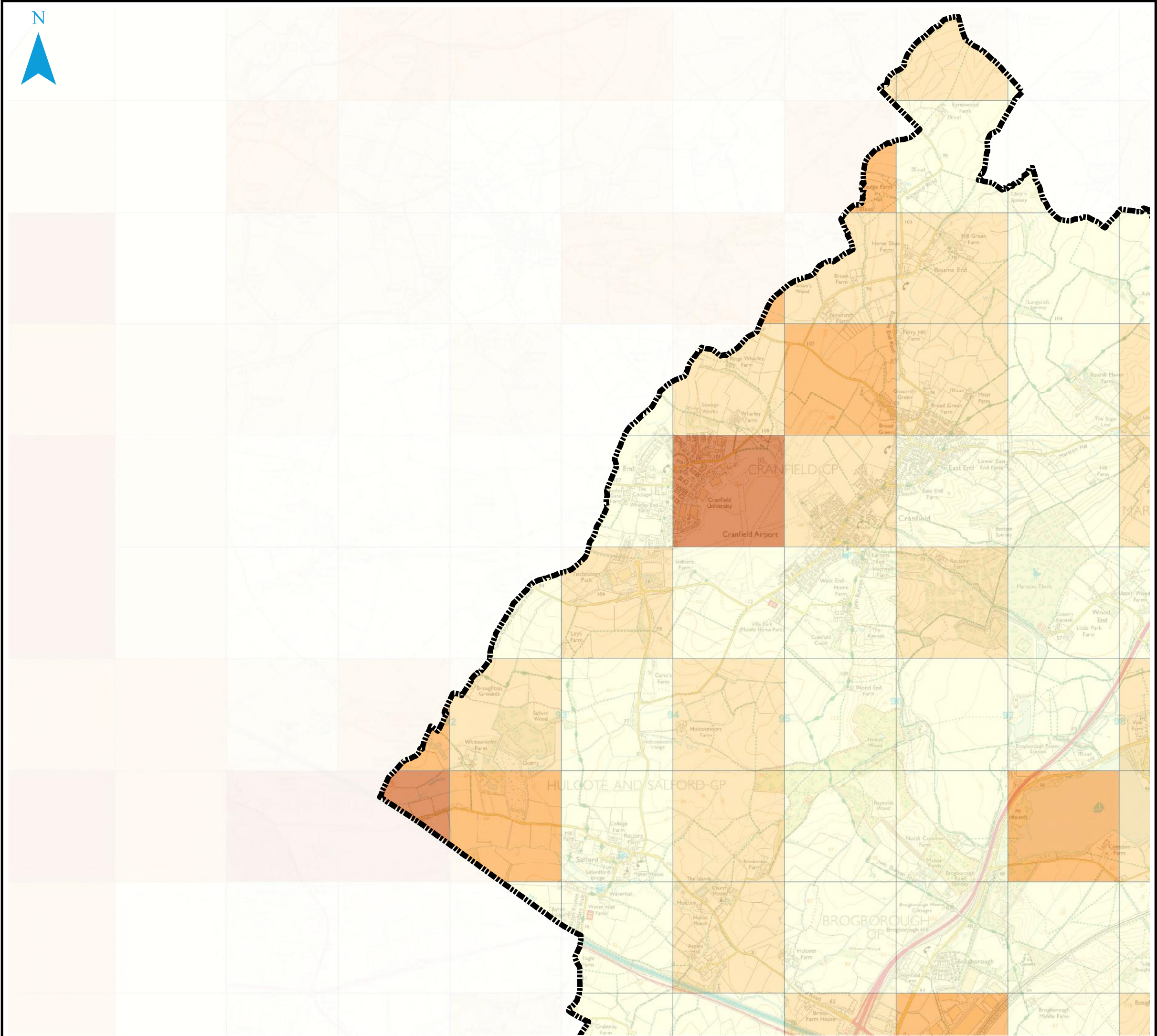
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 3 of 18 Index Number: CBC_SFRA_3

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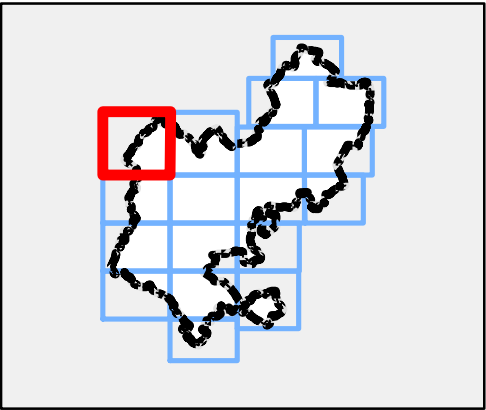


Notes

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Legend



Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

≥ 75%

≥ 50% <75%

≥ 25% < 50%

< 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
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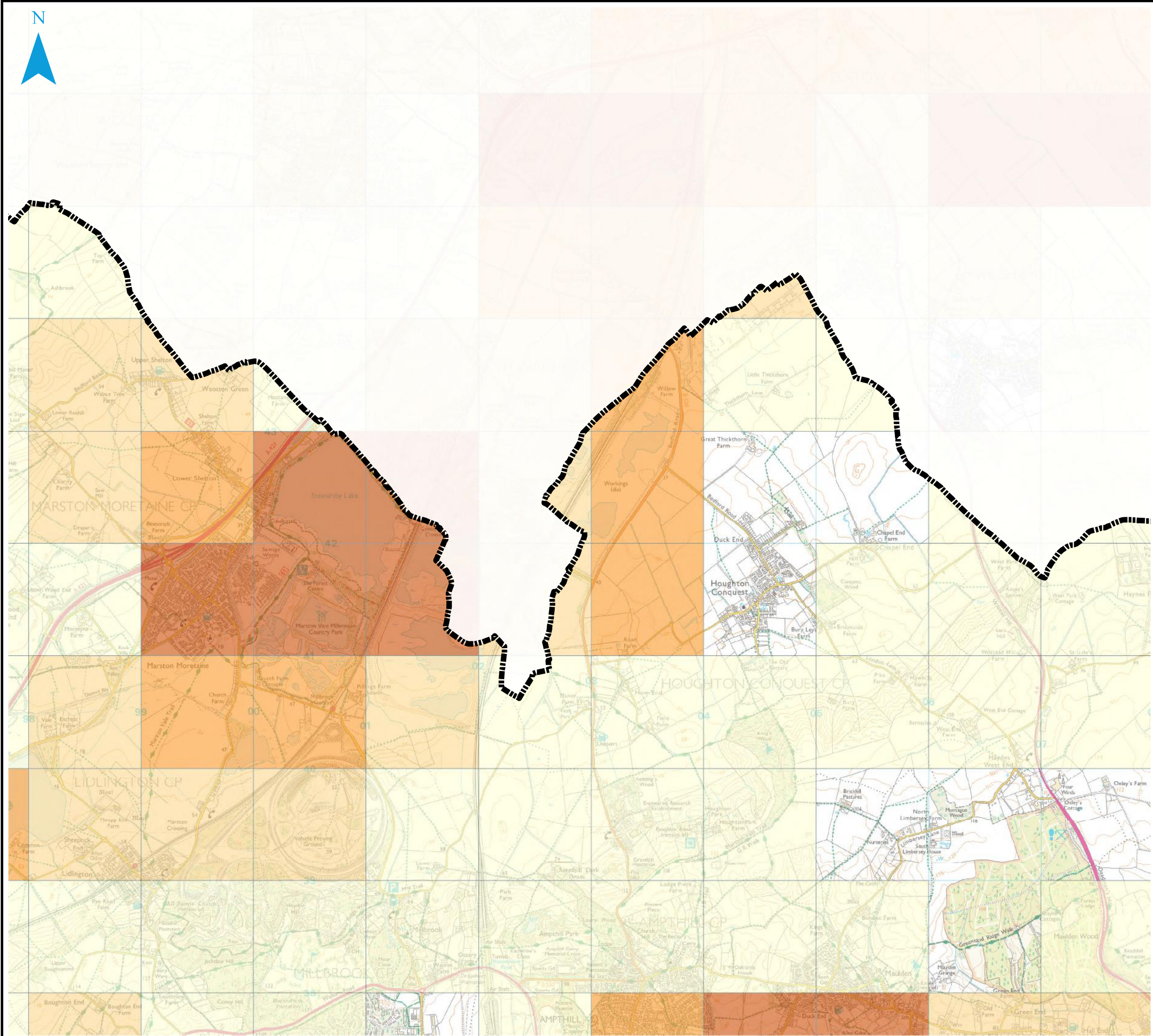
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 4 of 18 Index Number: CBC_SFRA_4

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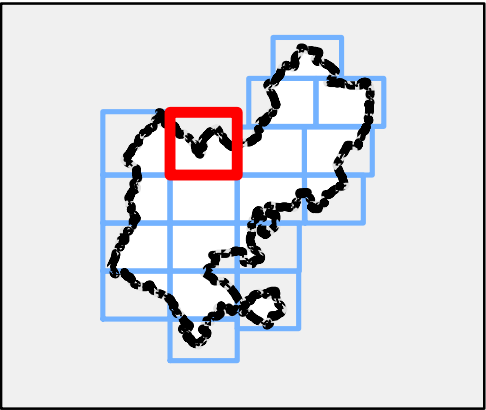


Notes

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Legend

 Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

-  ≥ 75%
-  ≥ 50% < 75%
-  ≥ 25% < 50%
-  < 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
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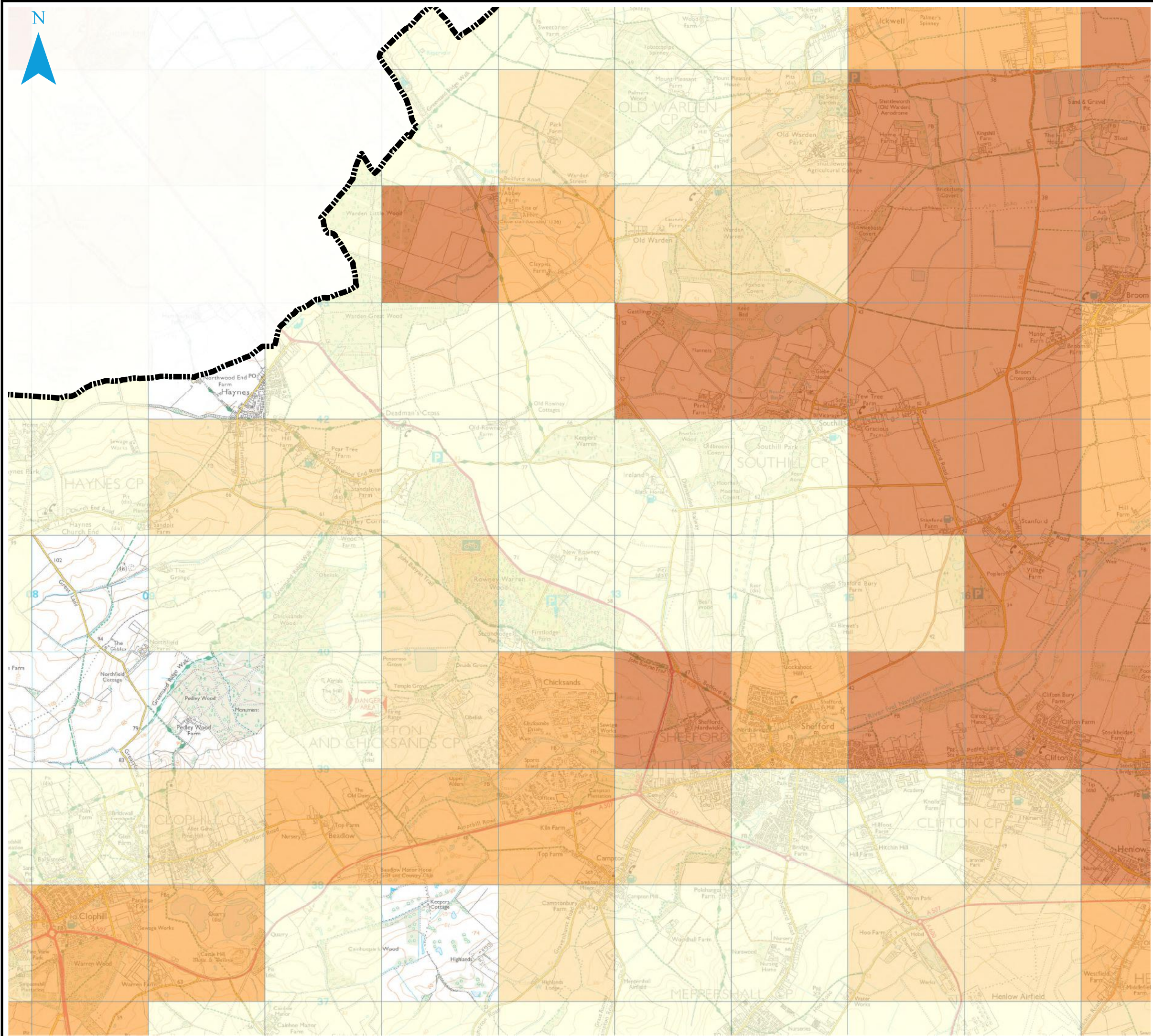
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 5 of 18 Index Number: CBC_SFRA_5

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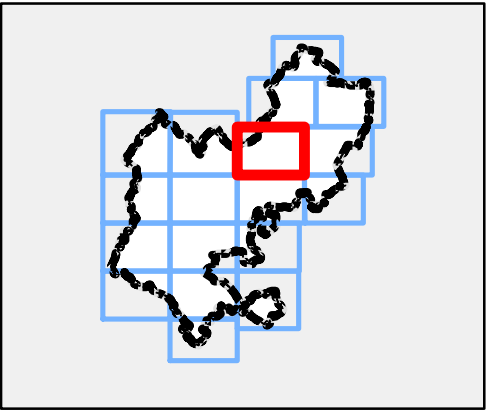


Notes

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Legend



Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

≥ 75%

≥ 50% < 75%

≥ 25% < 50%

< 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
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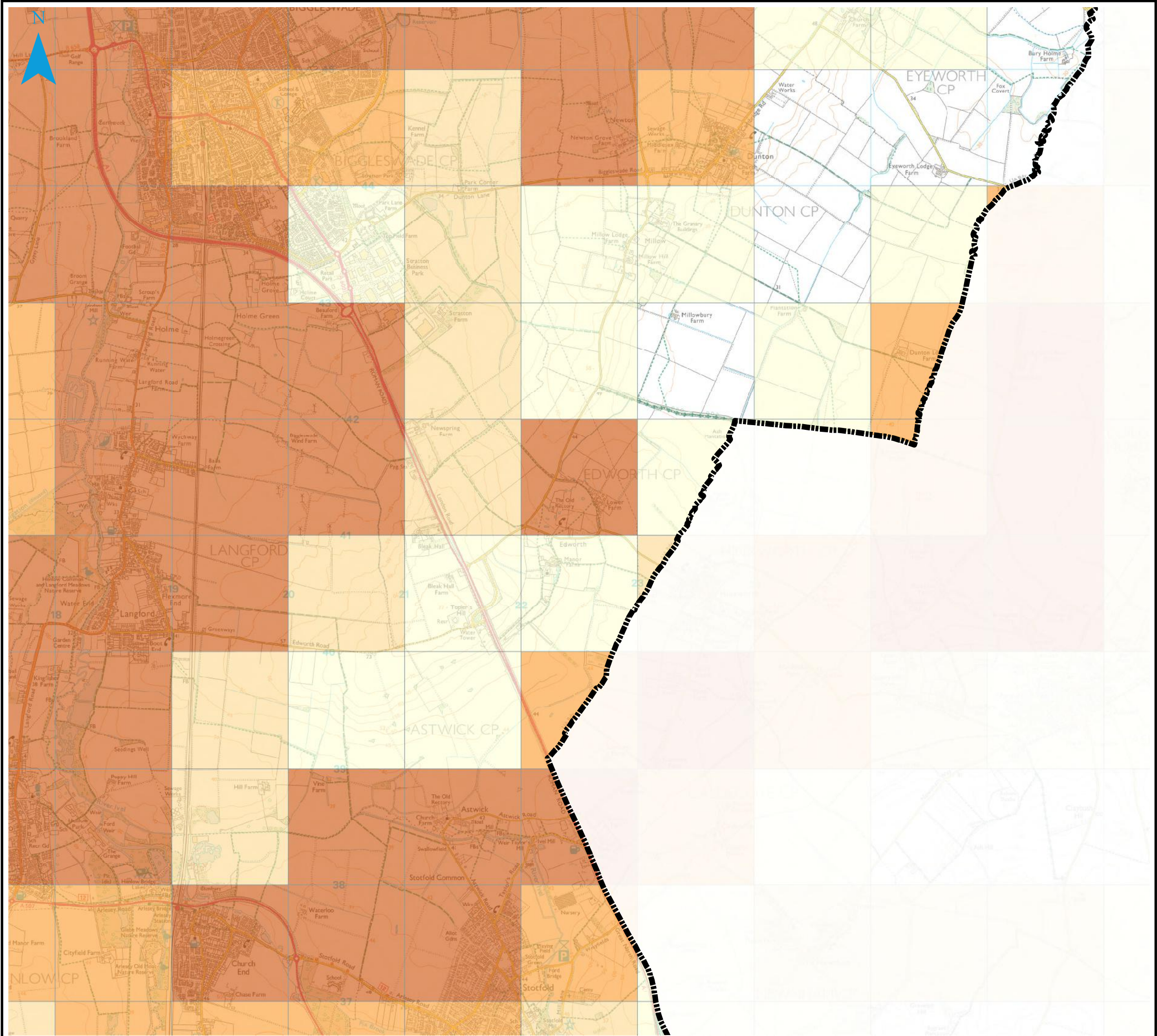
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Sheet No: 6 of 18 Index Number: CBC_SFRA_6

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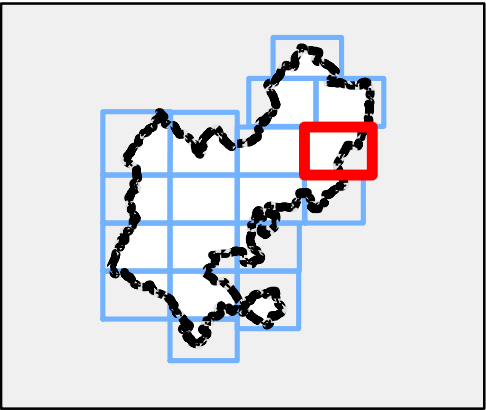


Notes

The Areas Susceptible to Groundwater Flooding (AS_tGWF) 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.

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Legend

 Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

-  ≥ 75%
-  ≥ 50% < 75%
-  ≥ 25% < 50%
-  < 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
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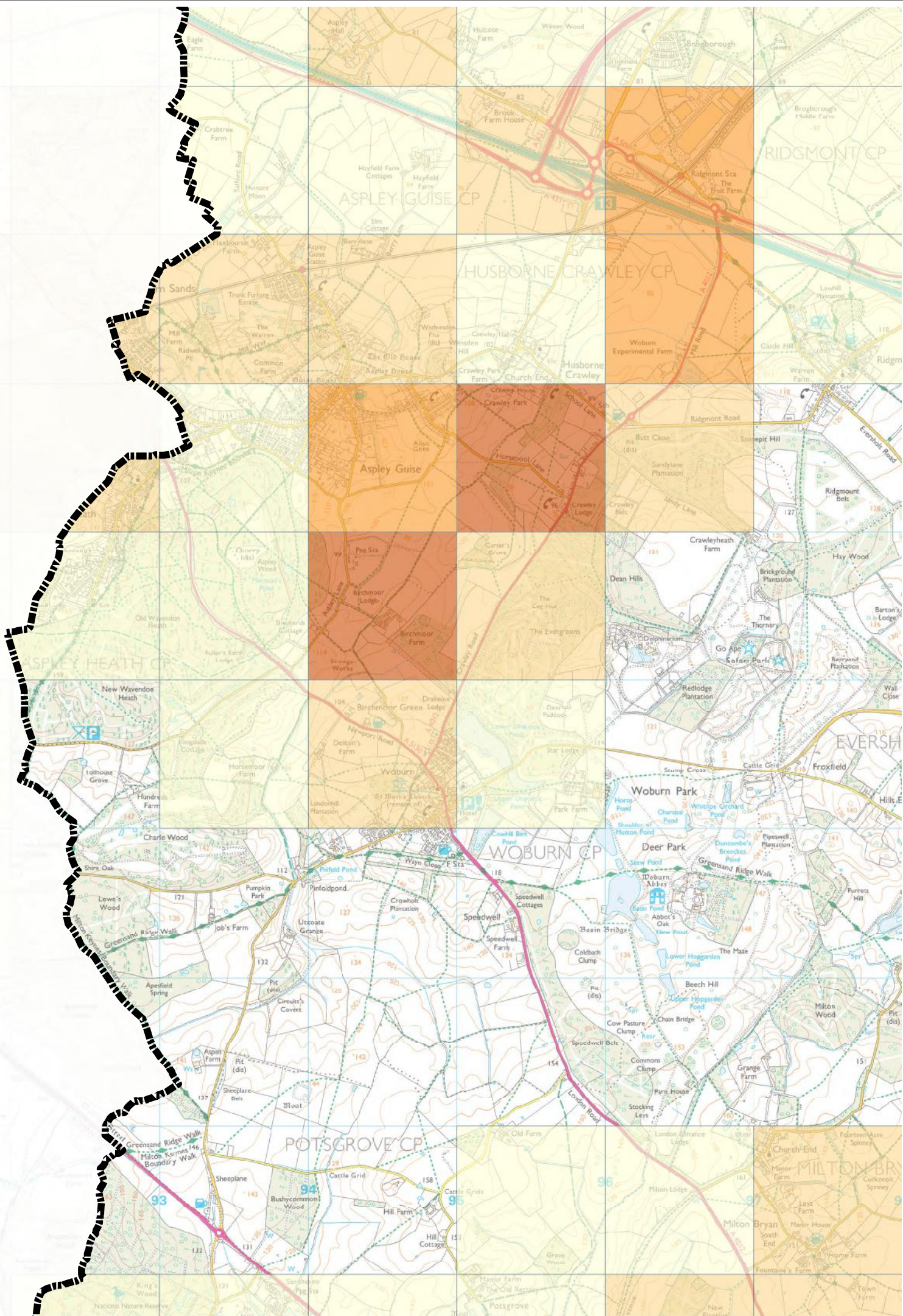
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Sheet No: 7 of 18 Index Number: CBC_SFRA_7

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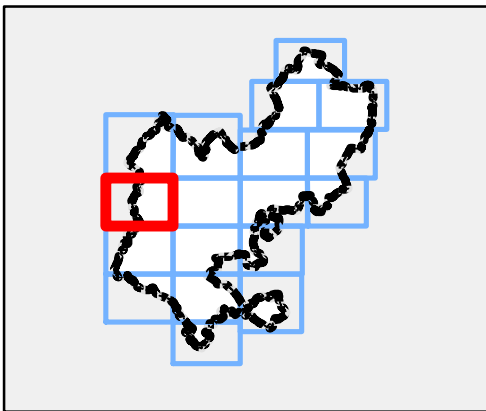


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Legend



Central Bedfordshire Council Boundary

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Classification

≥ 75%

≥ 50% < 75%

≥ 25% < 50%

< 25%

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A	July 16	Draft v.1.0
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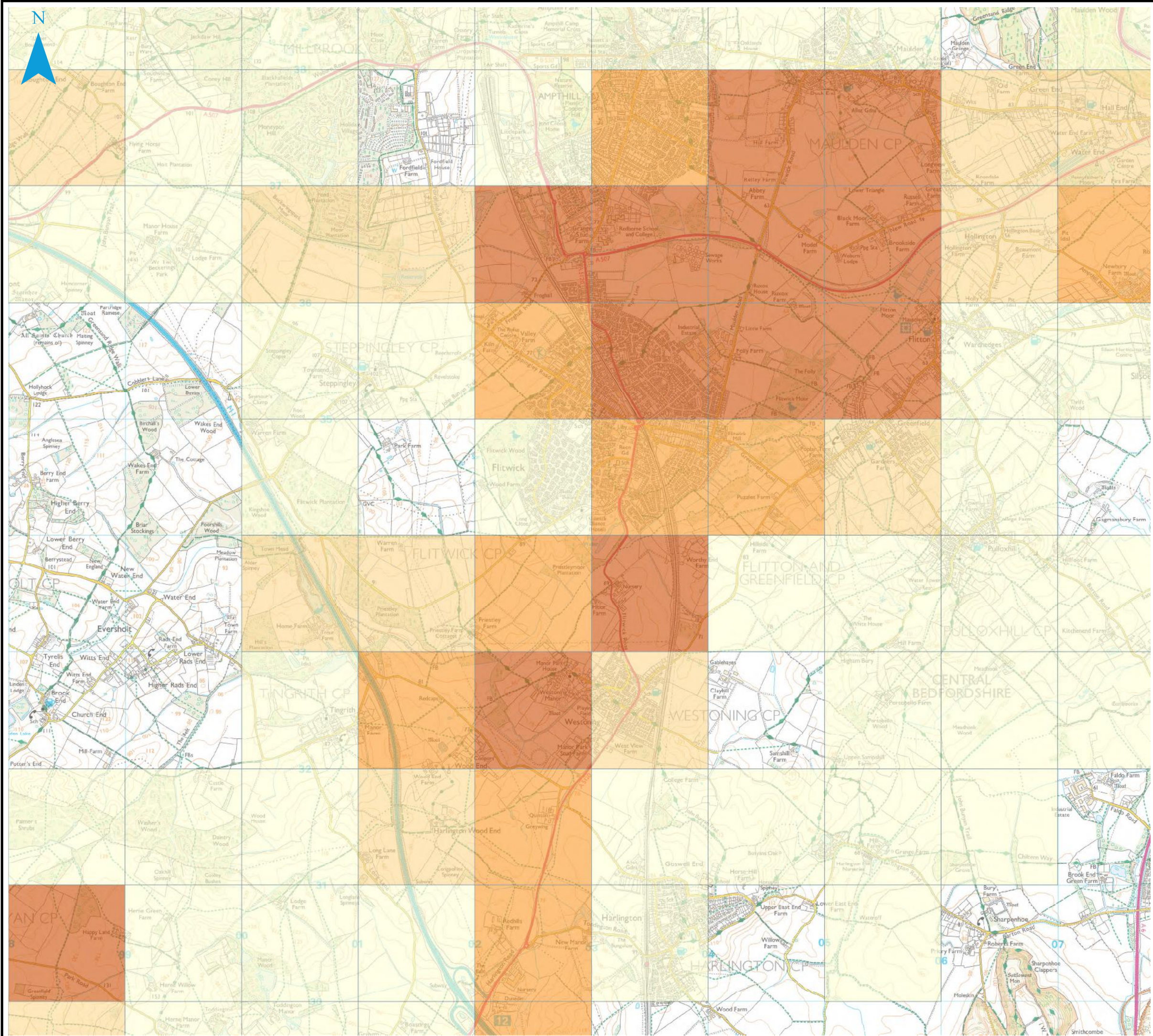
CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 8 of 18

Index Number: CBC_SFRA_8

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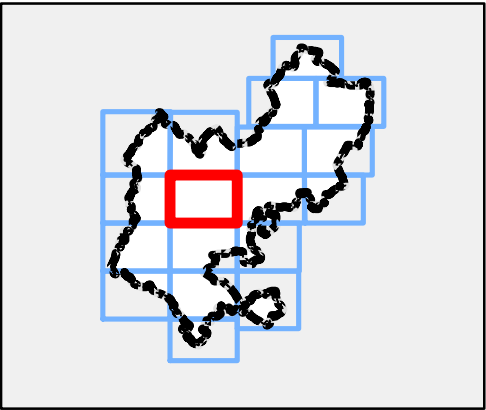


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Legend



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Areas Susceptible to Groundwater Flooding

Classification

≥ 75%

≥ 50% < 75%

≥ 25% < 50%

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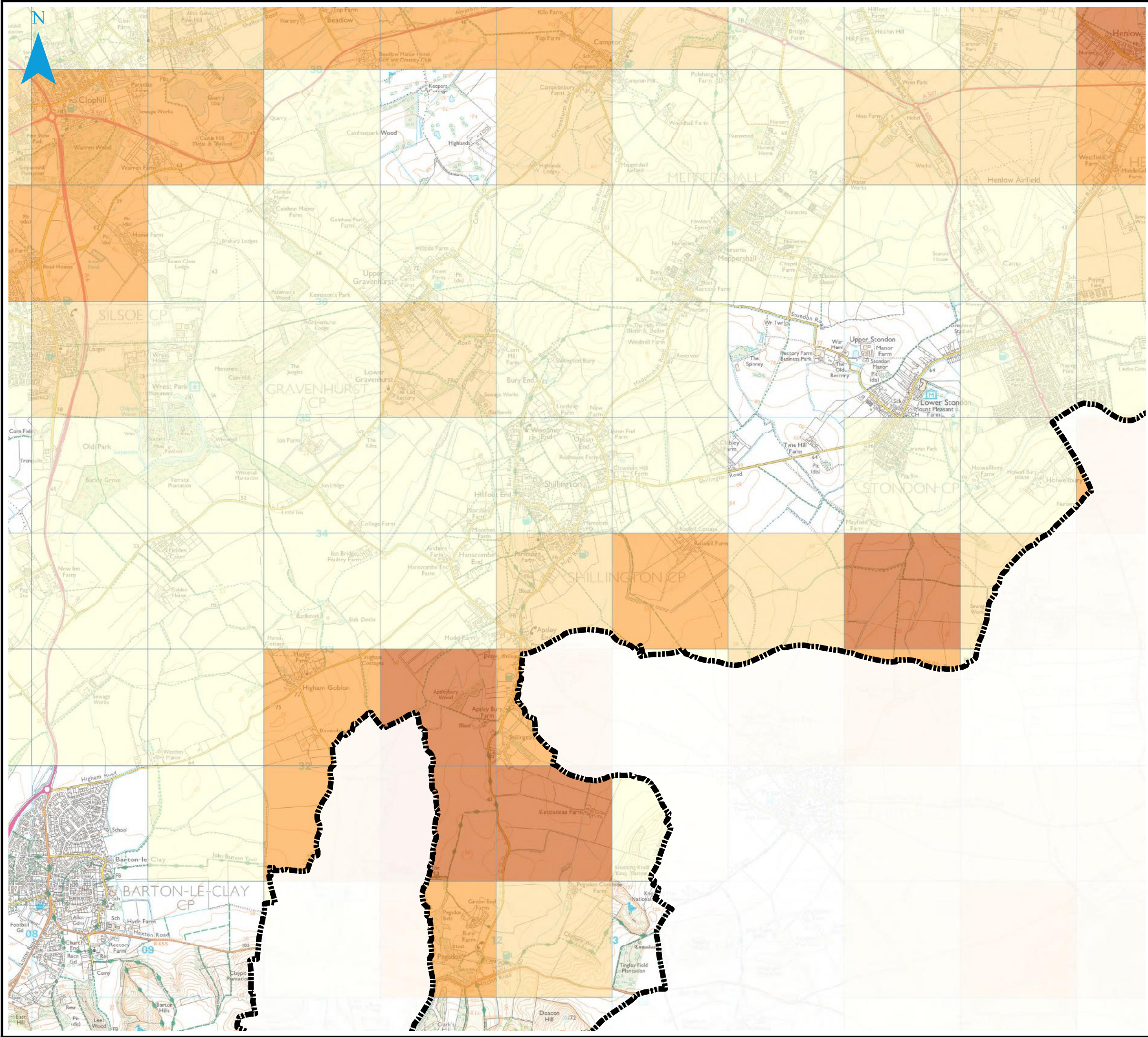
CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 9 of 18

Index Number: CBC_SFRA_9

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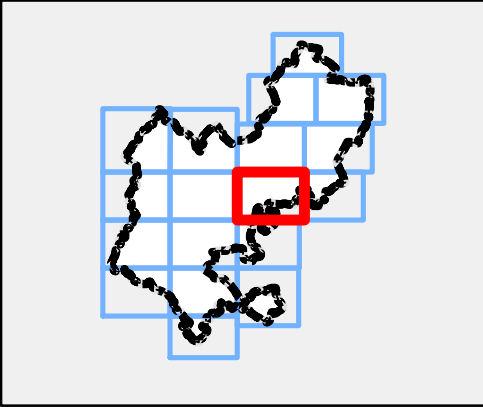


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Legend

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Classification

-  ≥ 75%
-  ≥ 50% < 75%
-  ≥ 25% < 50%
-  < 25%

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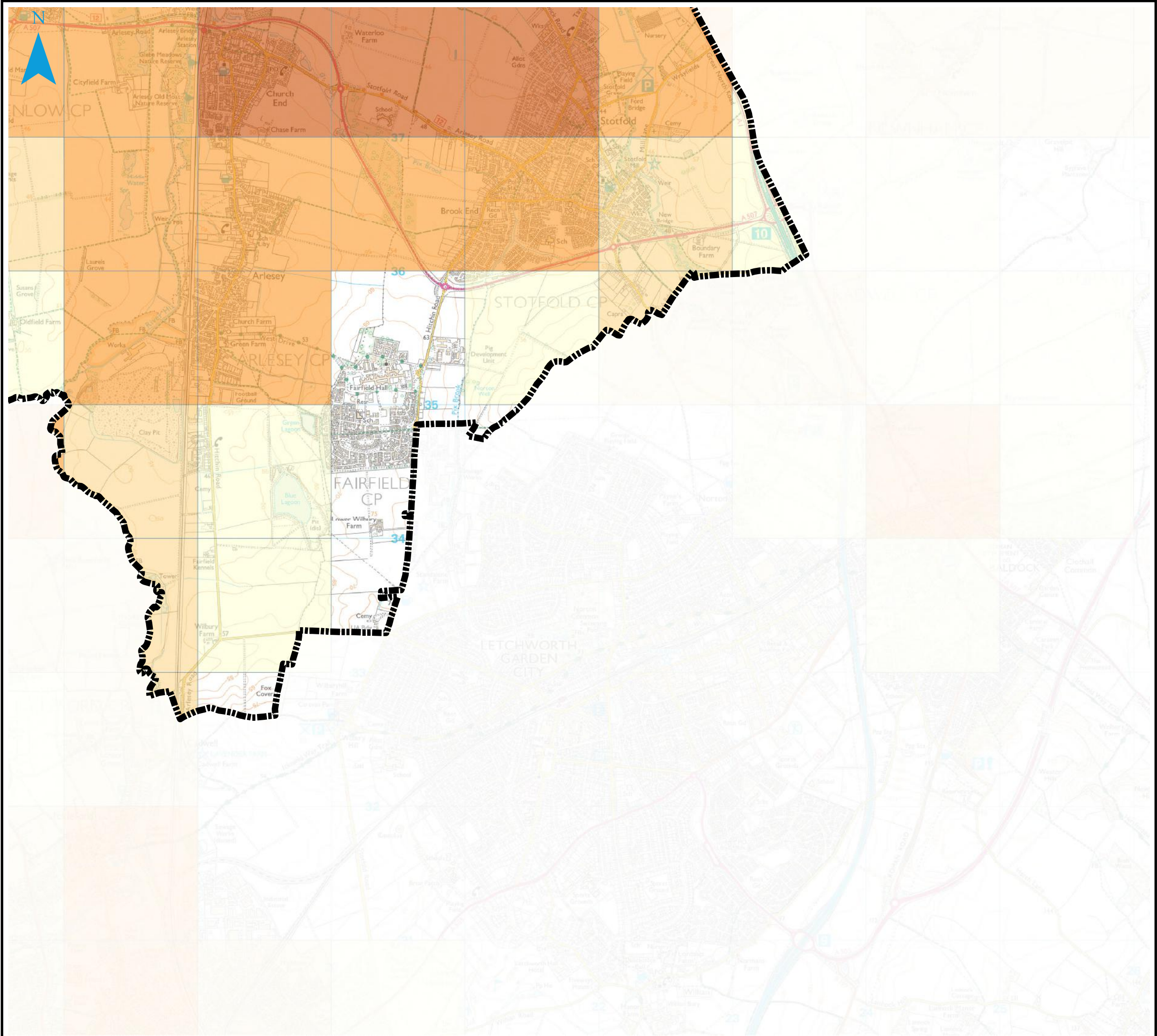
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Sheet No: 10 of 18 Index Number: CBC_SFRA_10

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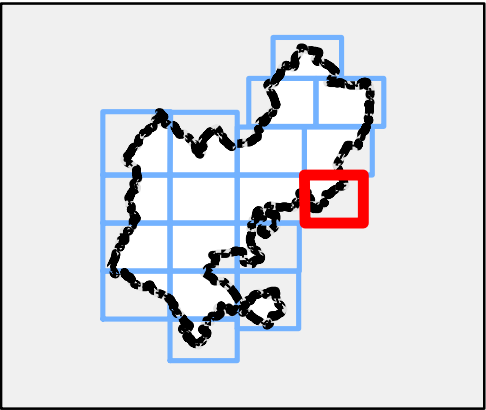


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



Legend

 **Central Bedfordshire Council Boundary**

Areas Susceptible to Groundwater Flooding

Classification

-  ≥ 75%
-  ≥ 50% < 75%
-  ≥ 25% < 50%
-  < 25%

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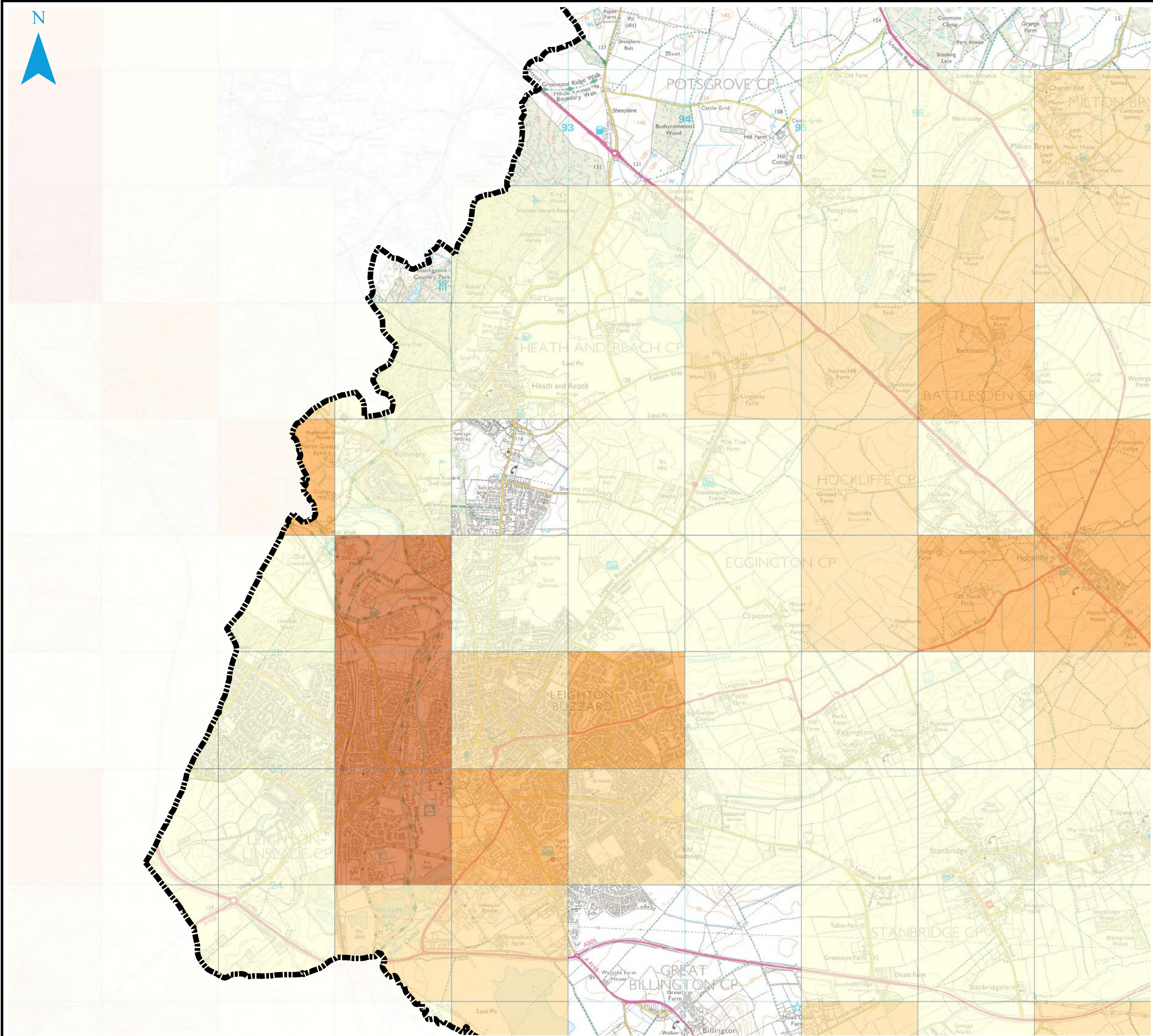
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Sheet No: 11 of 18 Index Number: CBC_SFRA_11

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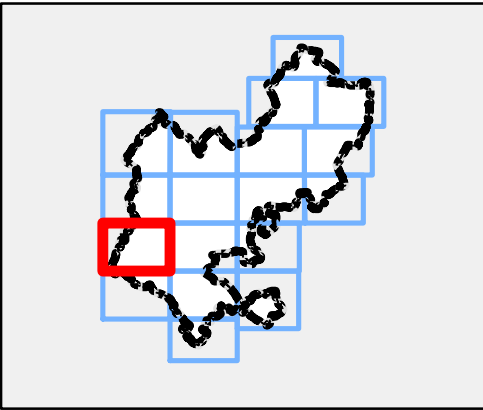


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Legend

-  Central Bedfordshire Council Boundary
- Areas Susceptible to Groundwater Flooding

Classification

-  ≥ 75%
-  ≥ 50% < 75%
-  ≥ 25% < 50%
-  < 25%

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REF	Date	Comments
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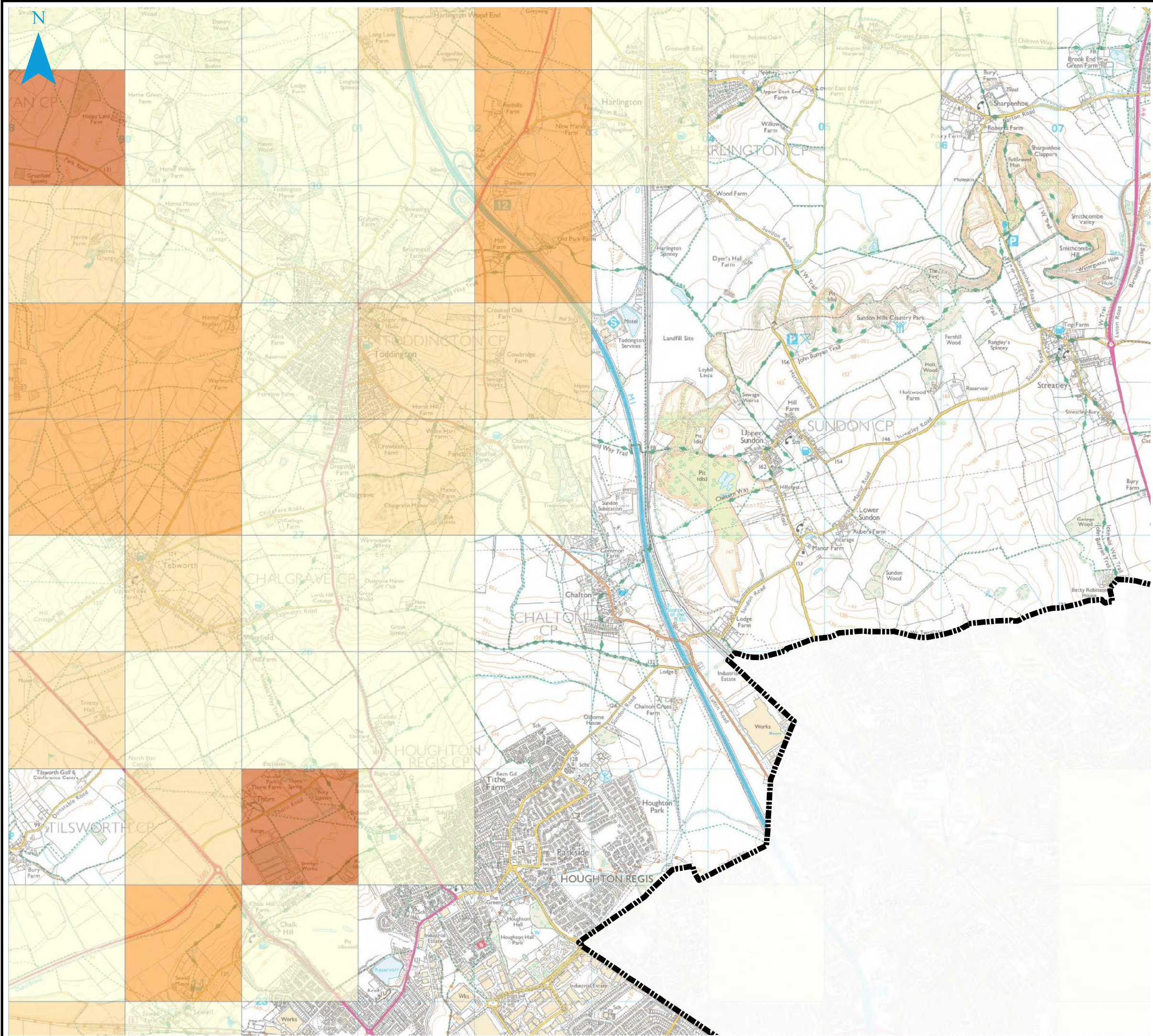
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COUNCIL SFRA
APPENDIX E
GROUNDWATER FLOOD MAPS

Sheet No: 12 of 18 Index Number: CBC_SFRA_12

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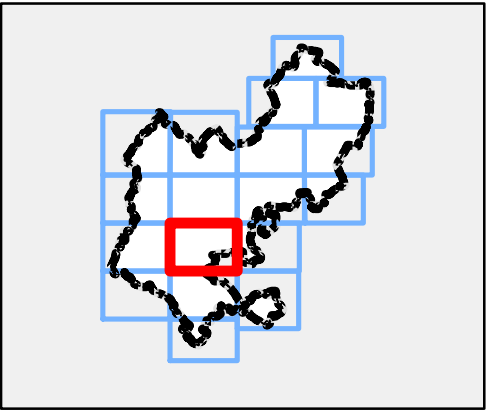


Notes

The Areas Susceptible to Groundwater Flooding (AS_tGW_F) 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 AS_tGW_F 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

- Central Bedfordshire Council Boundary
- Areas Susceptible to Groundwater Flooding

Classification

- ≥ 75%
- ≥ 50% < 75%
- ≥ 25% < 50%
- < 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
B		
C		

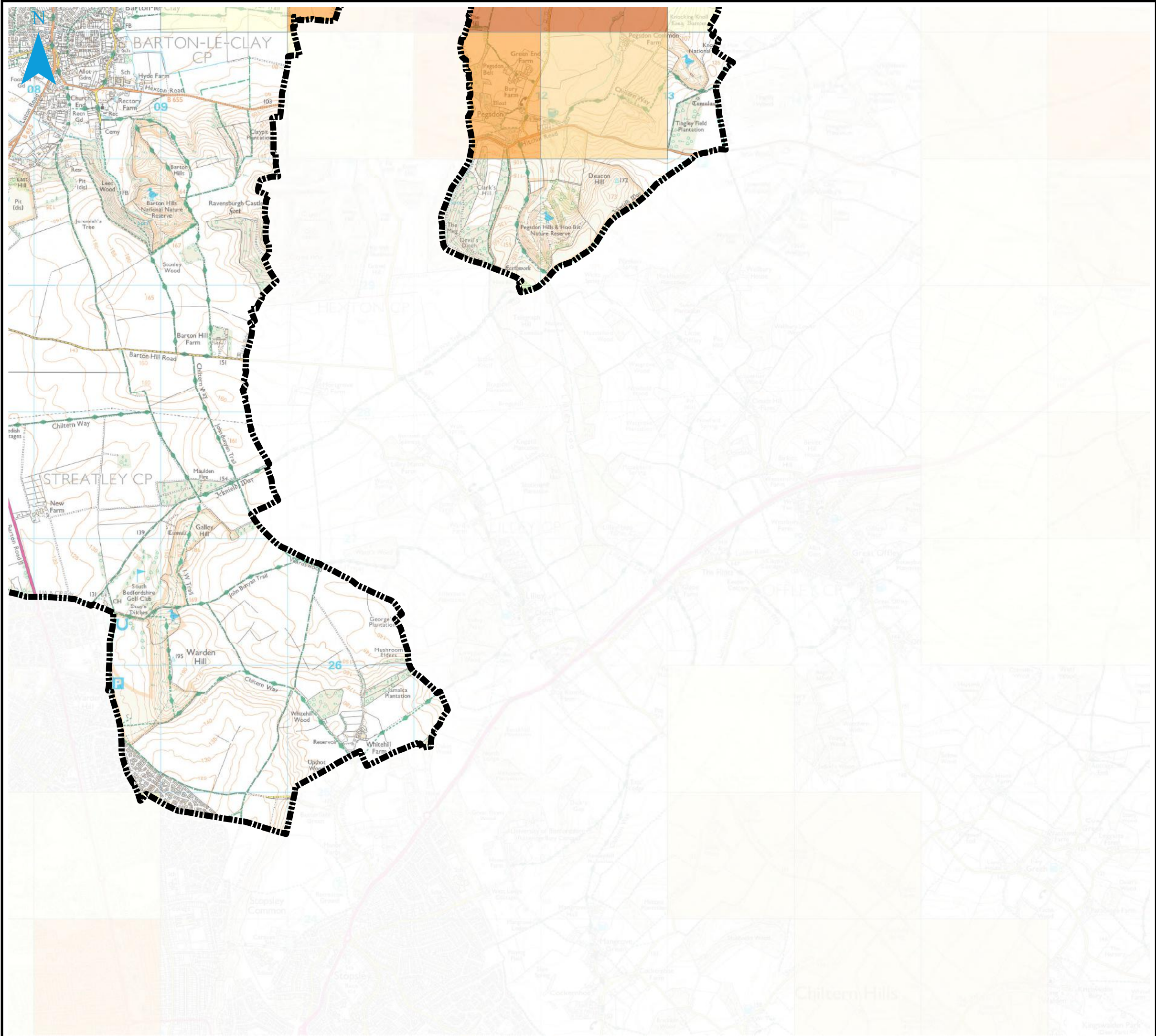
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CENTRAL BEDFORDSHIRE
COUNCIL SFRA
APPENDIX E
GROUNDWATER FLOOD MAPS

Sheet No: 13 of 18 Index Number: CBC_SFRA_13

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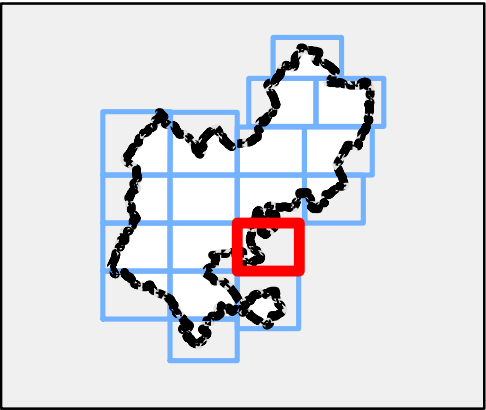


Notes

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Legend



Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

≥ 75%

≥ 50% < 75%

≥ 25% < 50%

< 25%

Note: Absence of values for any grid square means that no part of that square is identified as being susceptible to groundwater emergence.



REF	Date	Comments
A	July 16	Draft v.1.0
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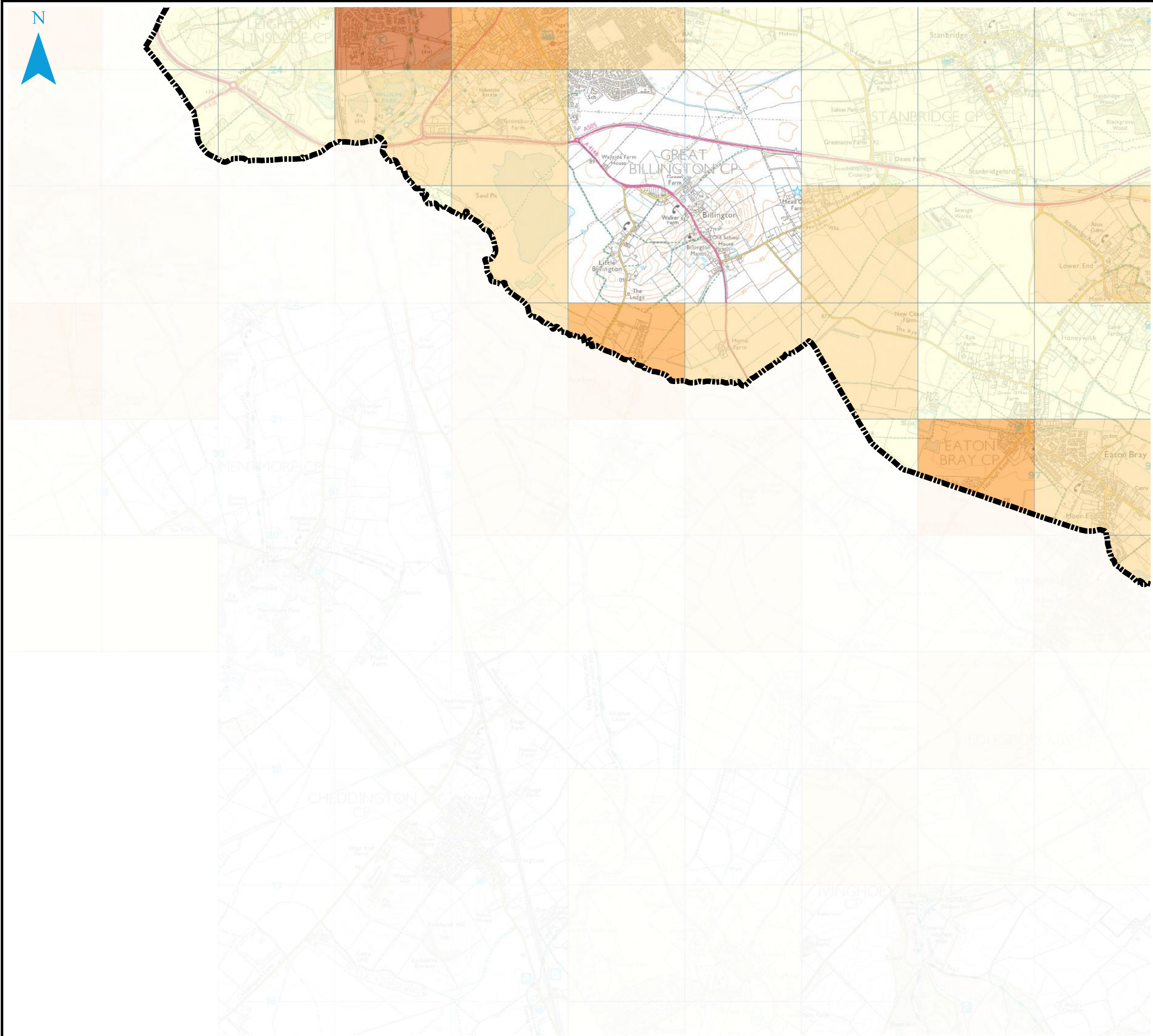
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 14 of 18 Index Number: CBC_SFRA_14

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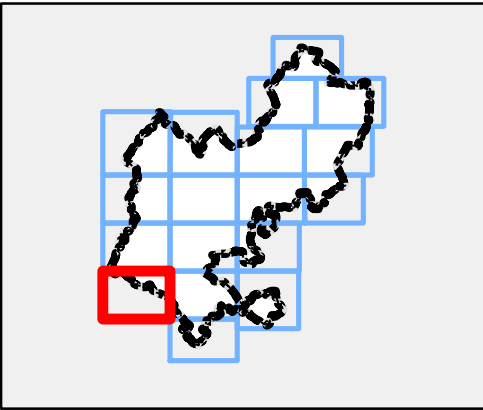


Notes

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Legend



Central Bedfordshire Council Boundary

Areas Susceptible to Groundwater Flooding

Classification

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≥ 50% <75%

≥ 25% < 50%

< 25%

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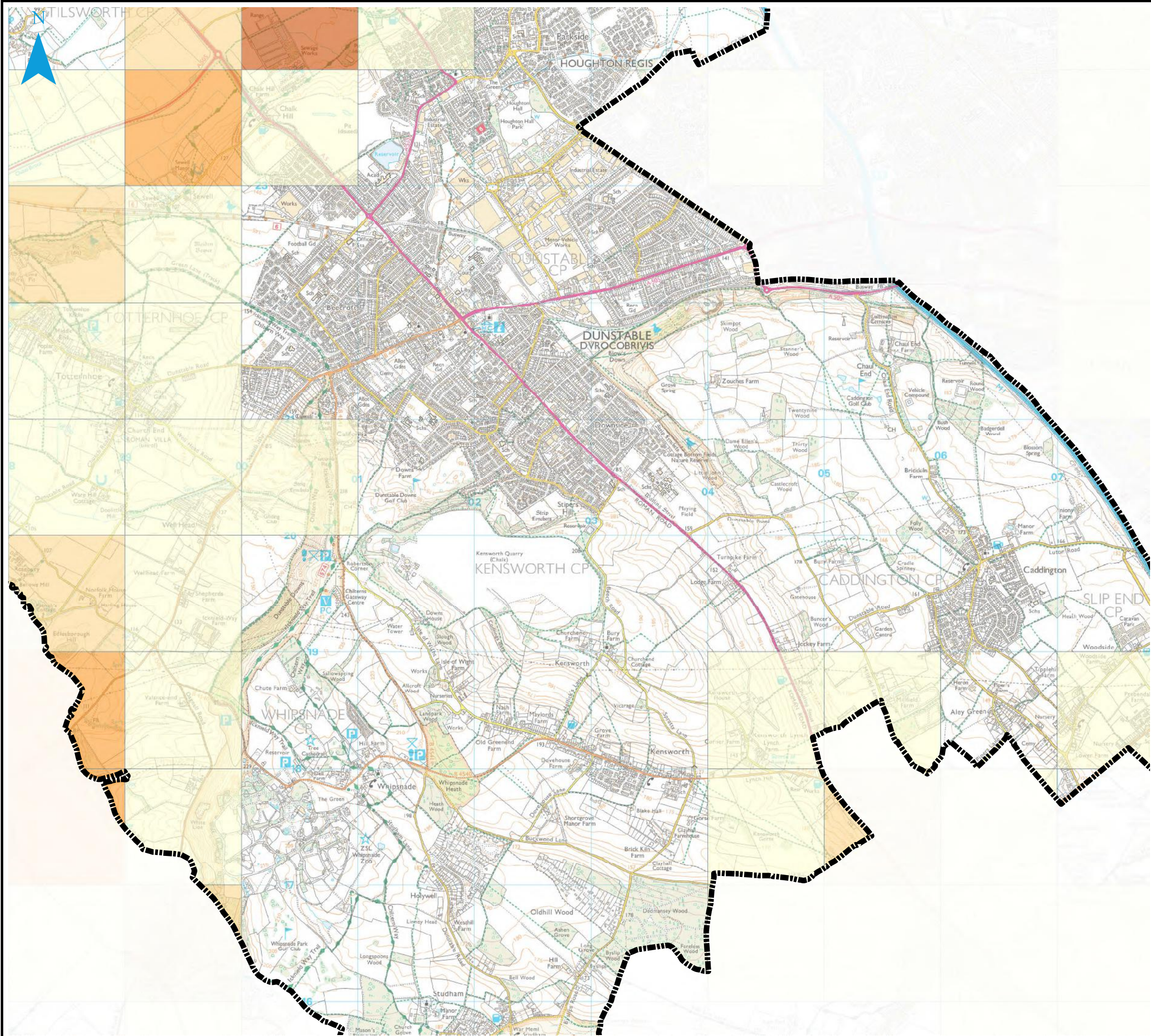
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 15 of 18 Index Number: CBC_SFRA_15

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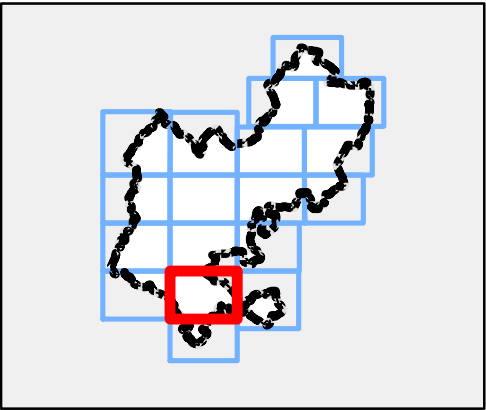


Notes

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Legend



Central Bedfordshire Council Boundary

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Classification

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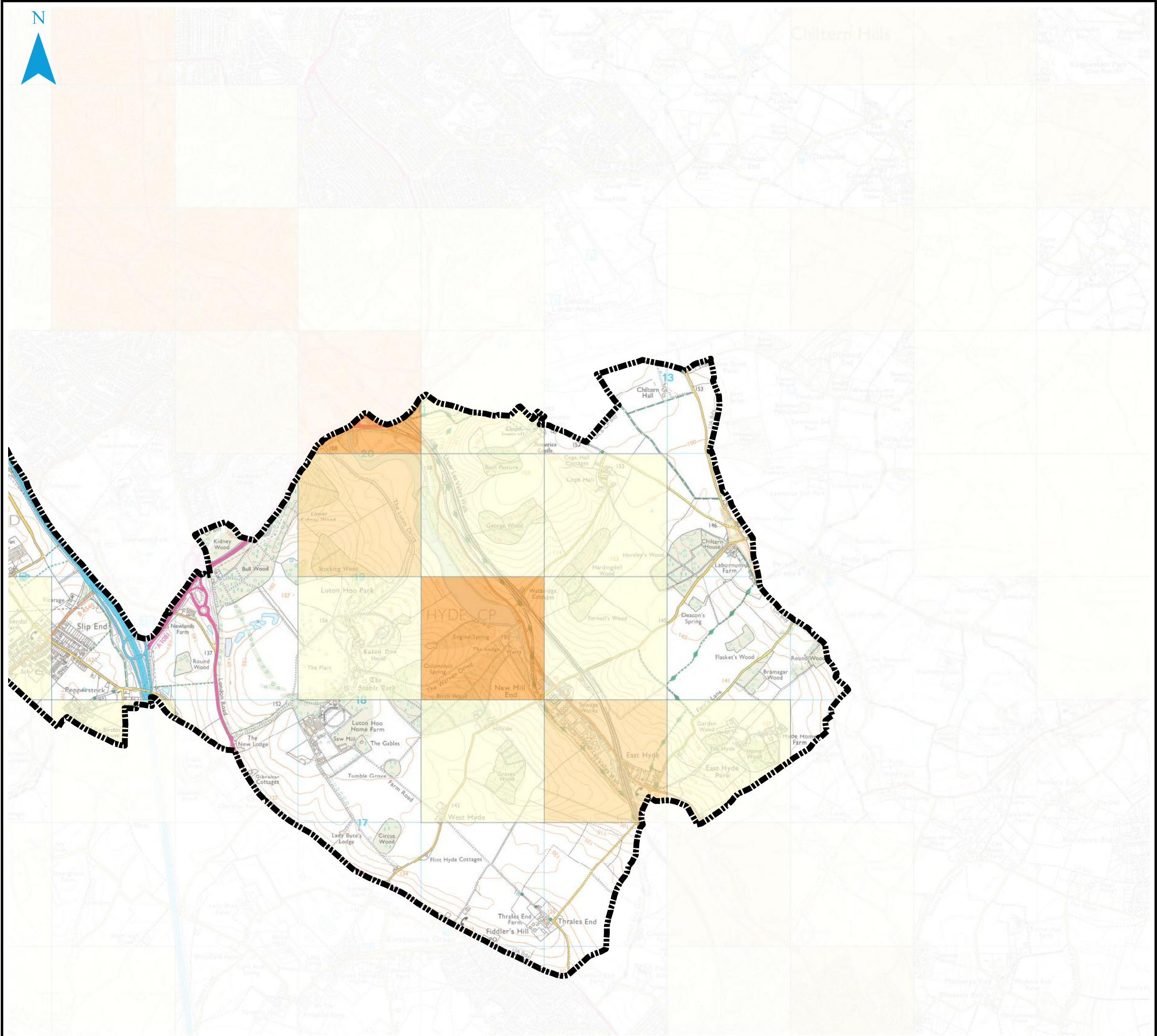
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 16 of 18 Index Number: CBC_SFRA_16

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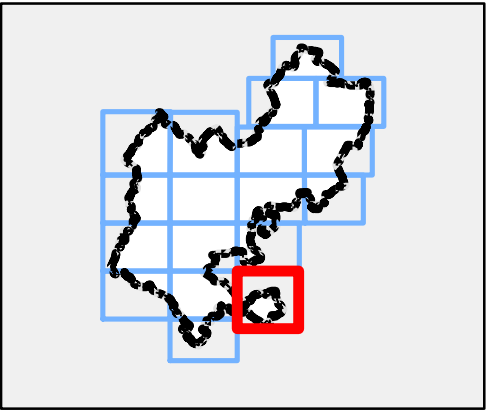


Notes

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Legend



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Areas Susceptible to Groundwater Flooding

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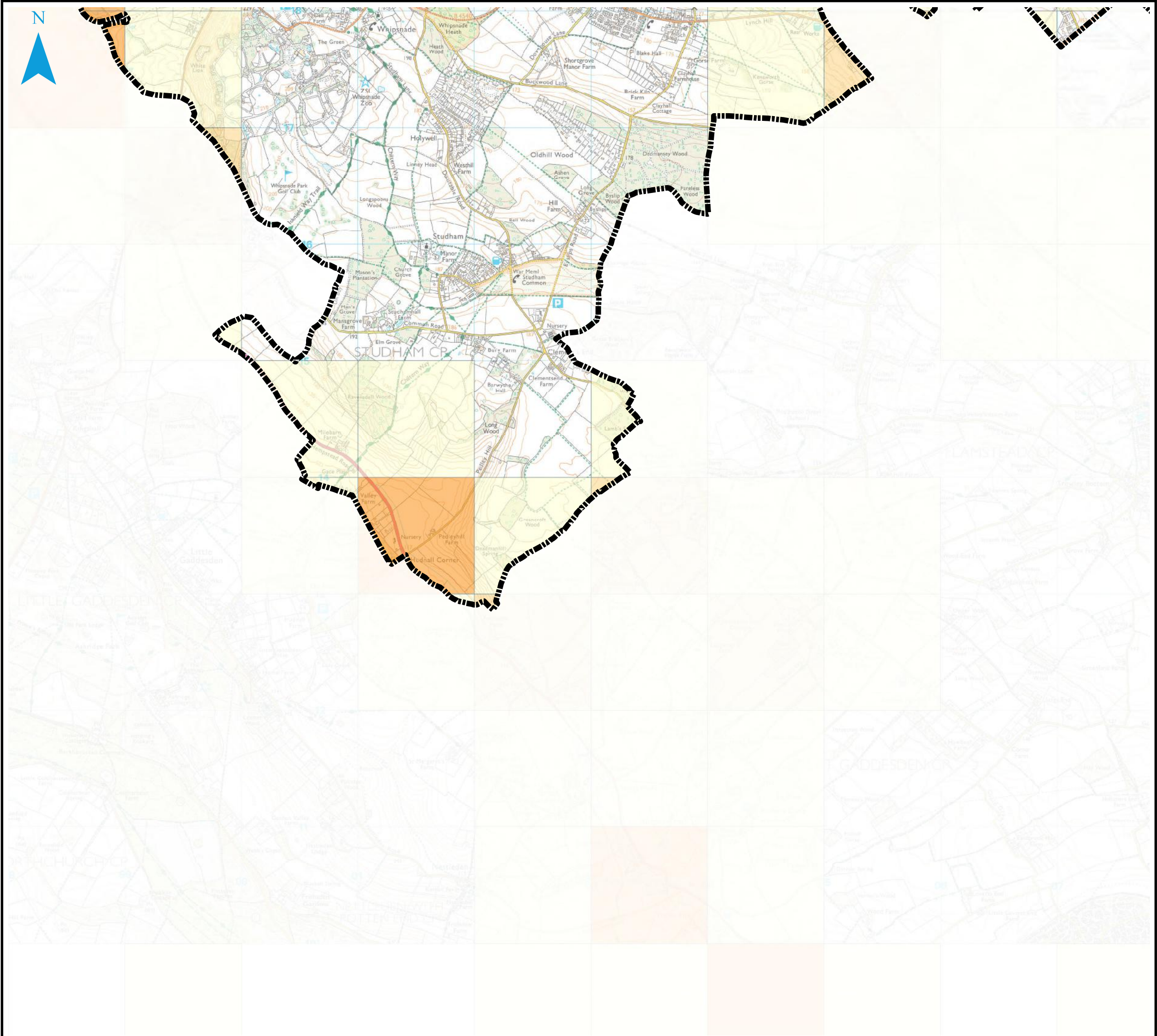
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CENTRAL BEDFORDSHIRE COUNCIL SFRA APPENDIX E GROUNDWATER FLOOD MAPS

Sheet No: 17 of 18 Index Number: CBC_SFRA_17

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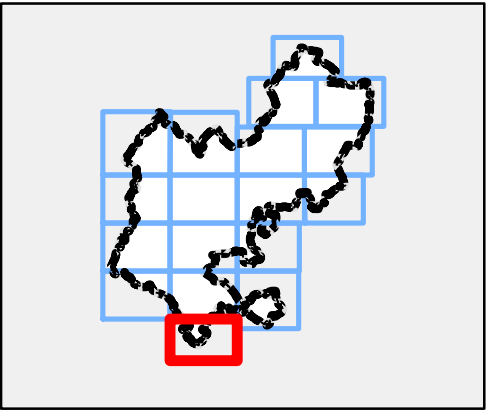


Notes

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Legend



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