




Key Plan



Legend

-  Chichester District
-  South Downs National Park
-  SFRA Appendix mapping grids



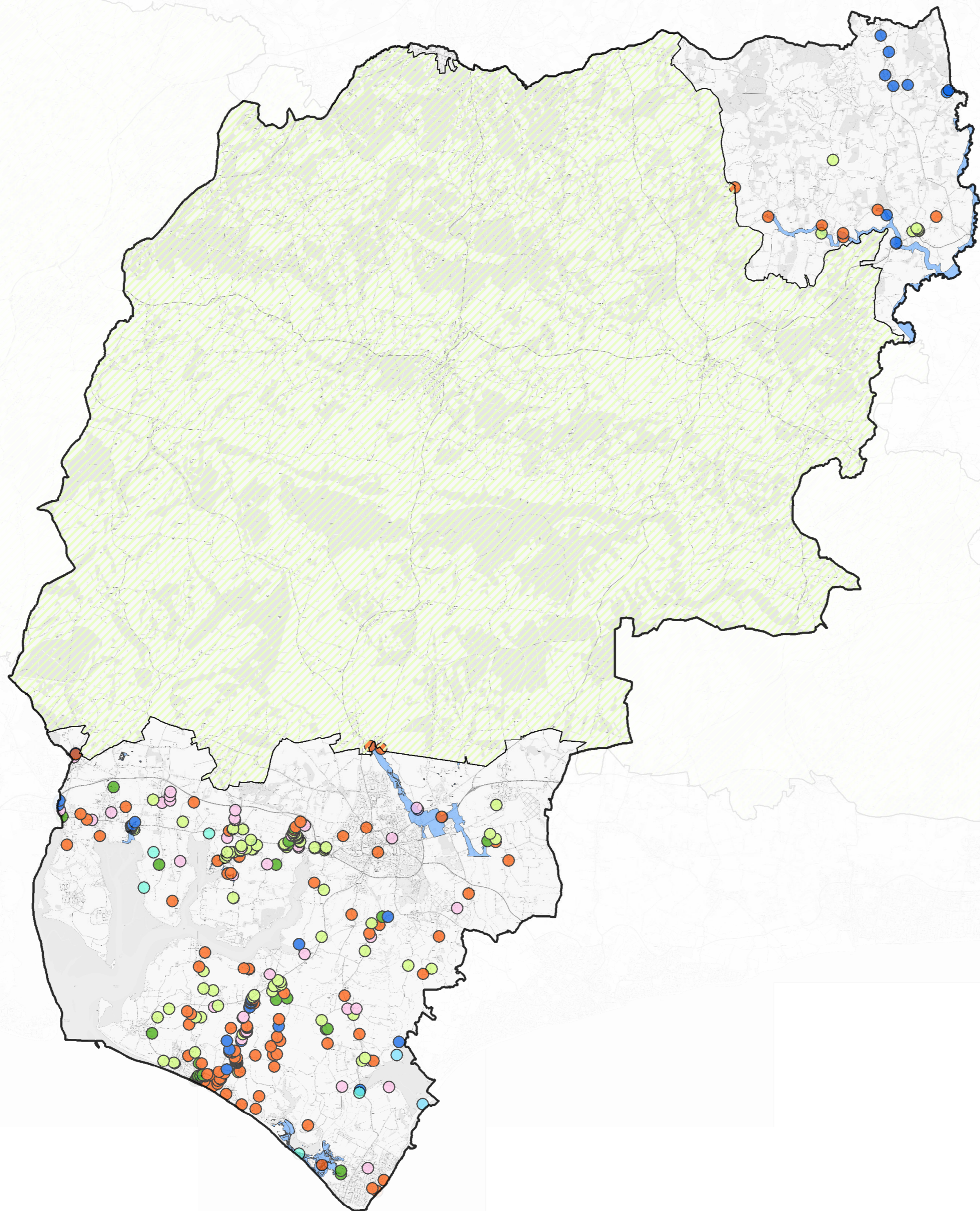
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CHICHESTER DISTRICT COUNCIL

SFRA: APPENDIX A
MAPPING GRIDS

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Key Plan



Legend

-  Chichester District
 -  South Downs National Park
 -  EA Recorded Flood Outlines
- WSSCC recorded flood incidents**
-  River
 -  Coastal
 -  Tidal
 -  Drainage (Sewer or Surface)
 -  Failure
 -  Unknown
 -  Other

Notes

The Historic Flood Map shows the recorded incidents and flood outlines provided by West Sussex County Council and Environment Agency.

Flooding incidents provided have been categorised based upon the details provided in the records. Unknown flood points could not be determined from the information provided, and therefore could be from a number of sources.

Please note that not all historical records may be shown on this map, and that it is therefore advised you contact the Environment Agency or West Sussex County Council for updated information.



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CHICHESTER DISTRICT COUNCIL

SFRA: APPENDIX B
HISTORIC FLOODING

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Key Plan



Legend

-  Chichester District
-  South Downs National Park
-  Watercourses



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CHICHESTER DISTRICT COUNCIL

SFRA: APPENDIX C
WATERCOURSES

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Key Plan



Legend

- Chichester District
- South Downs National Park

Flood Zones

- Flood Zone 2
- Flood Zone 3a
- Flood Zone 3b
- 1 in 25-year event used to define Flood Zone 3b
- Flood Zone 3a used to define Flood Zone 3b

Notes

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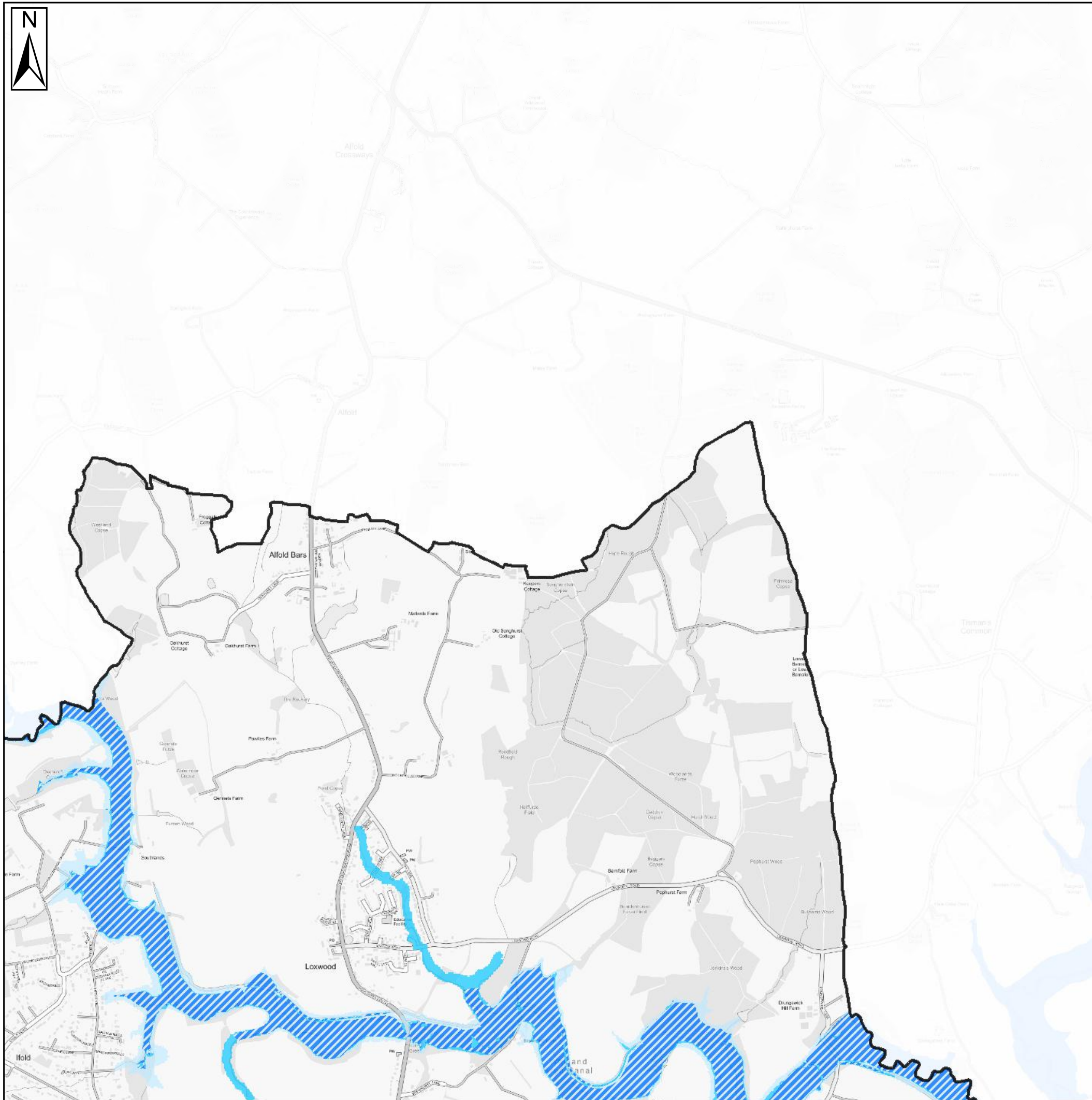
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CHICHESTER DISTRICT COUNCIL

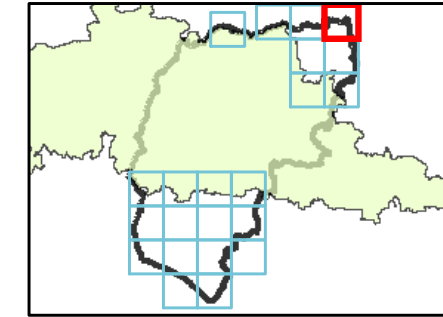
SFRA: APPENDIX D
FLOOD ZONES

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








Key Plan



Legend

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-  South Downs National Park
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-  Flood Zone 3a
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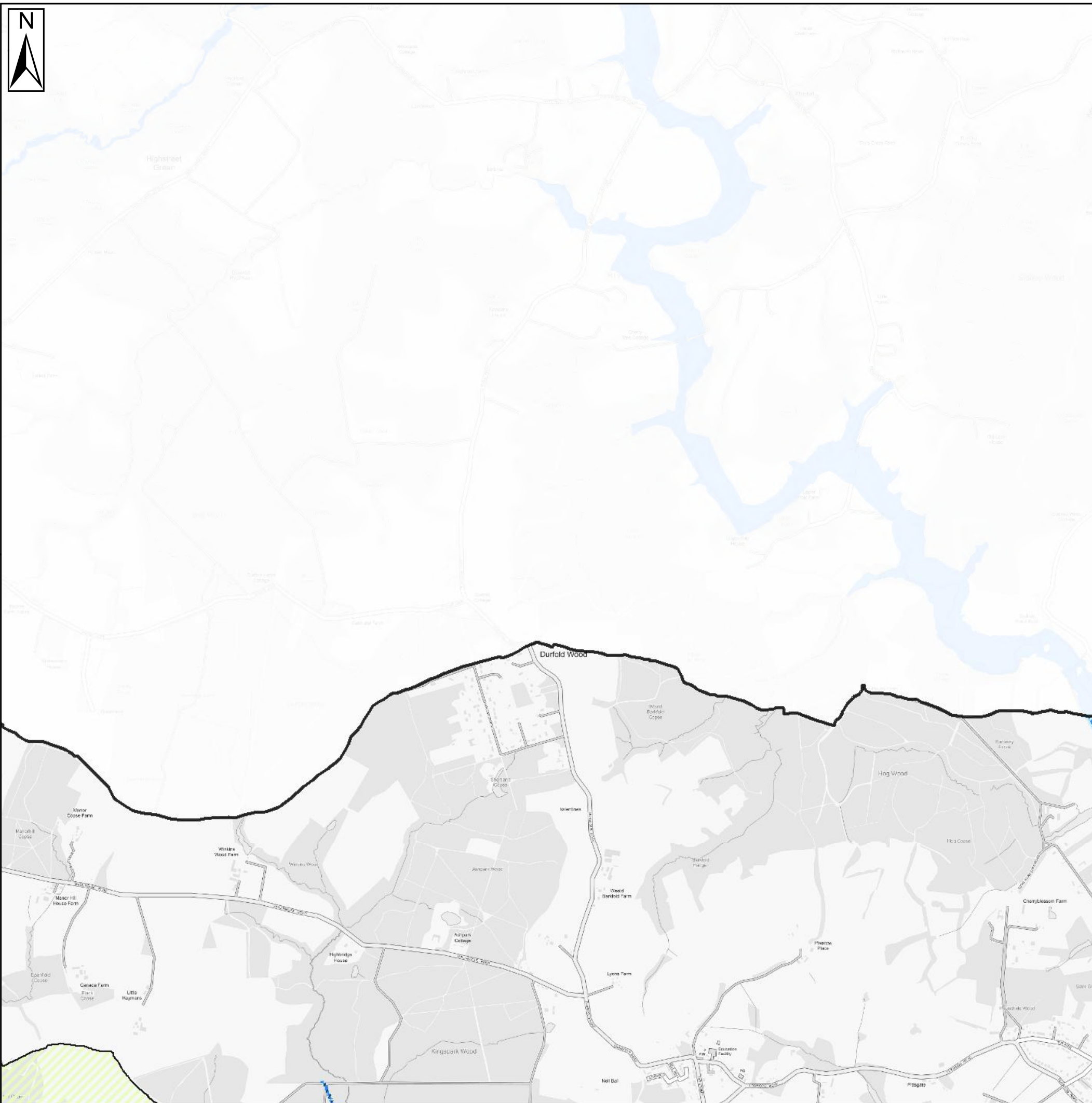
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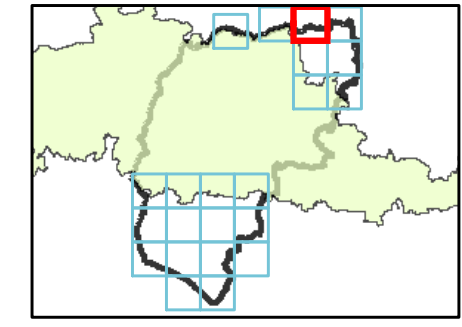
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Key Plan



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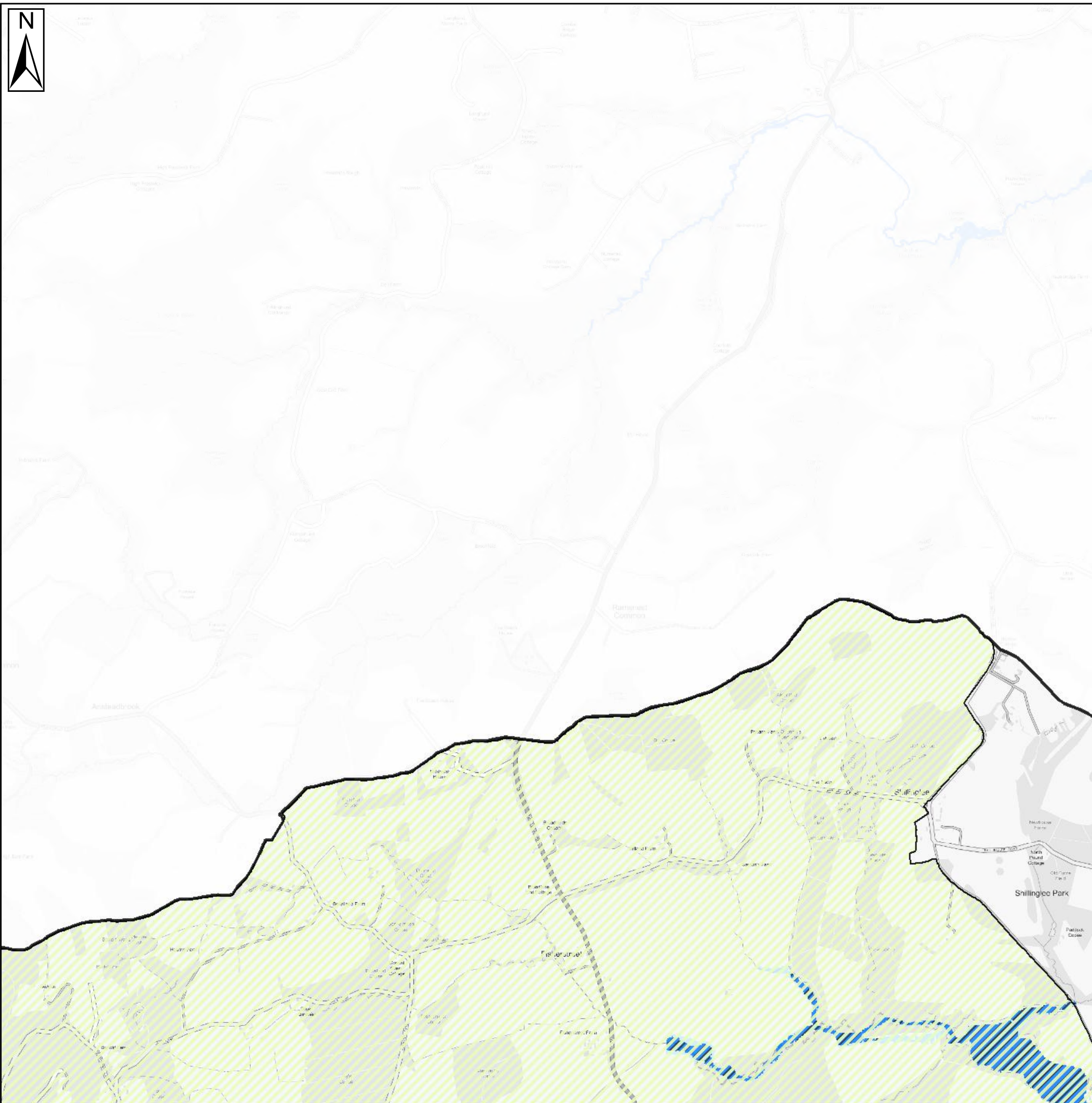
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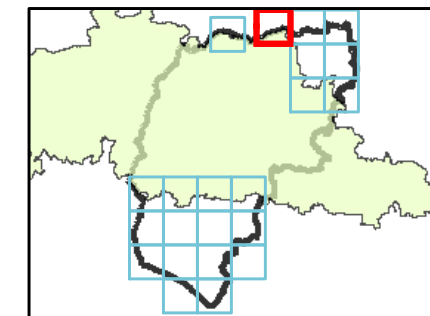
CHICHESTER DISTRICT COUNCIL SFRA: APPENDIX D - FLOOD ZONES

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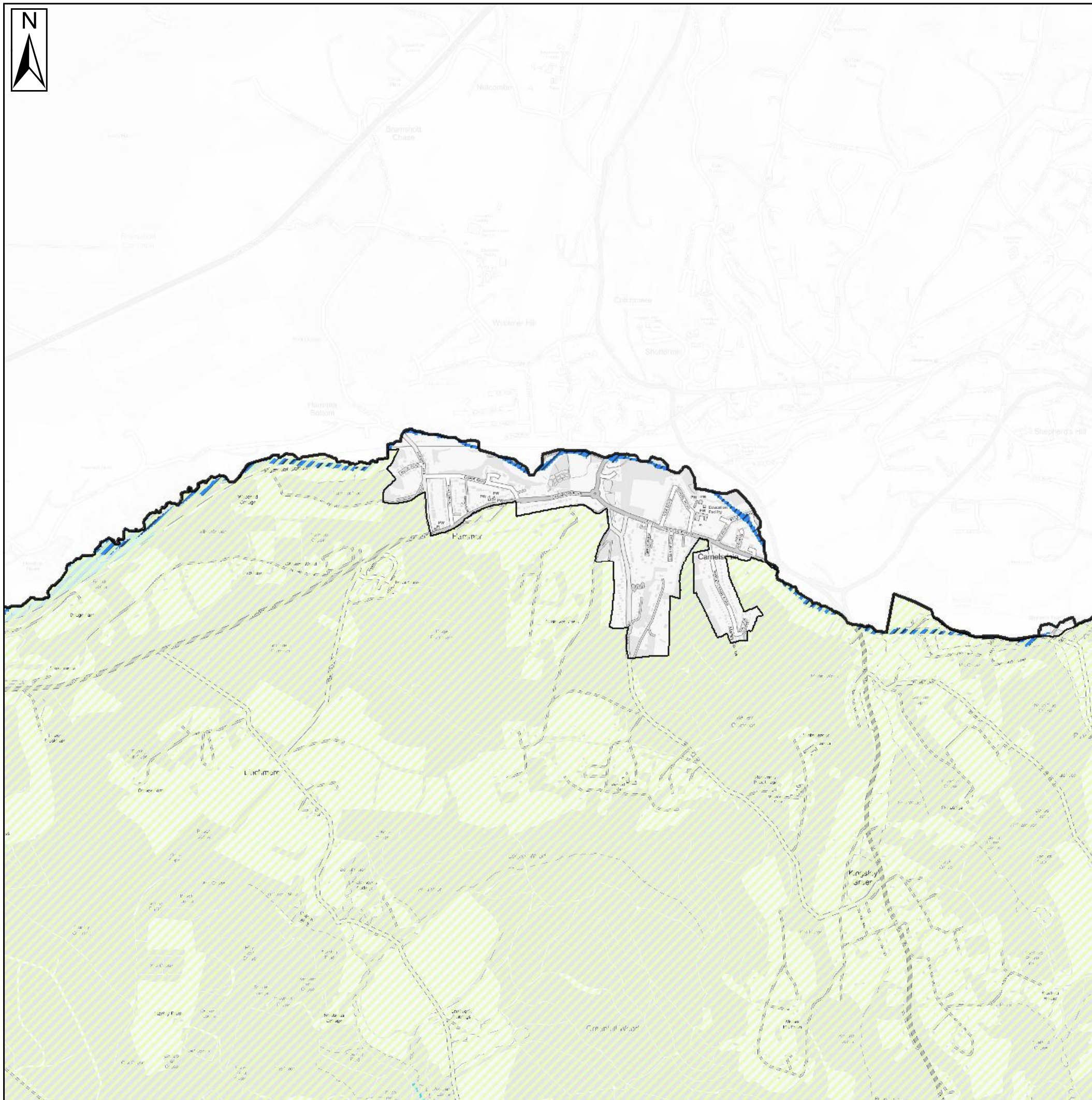


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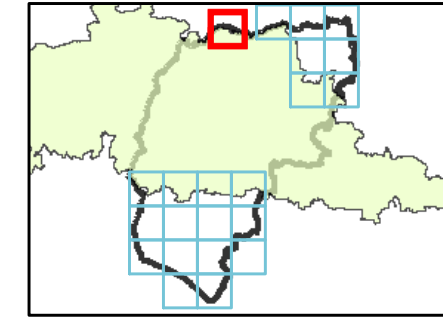
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








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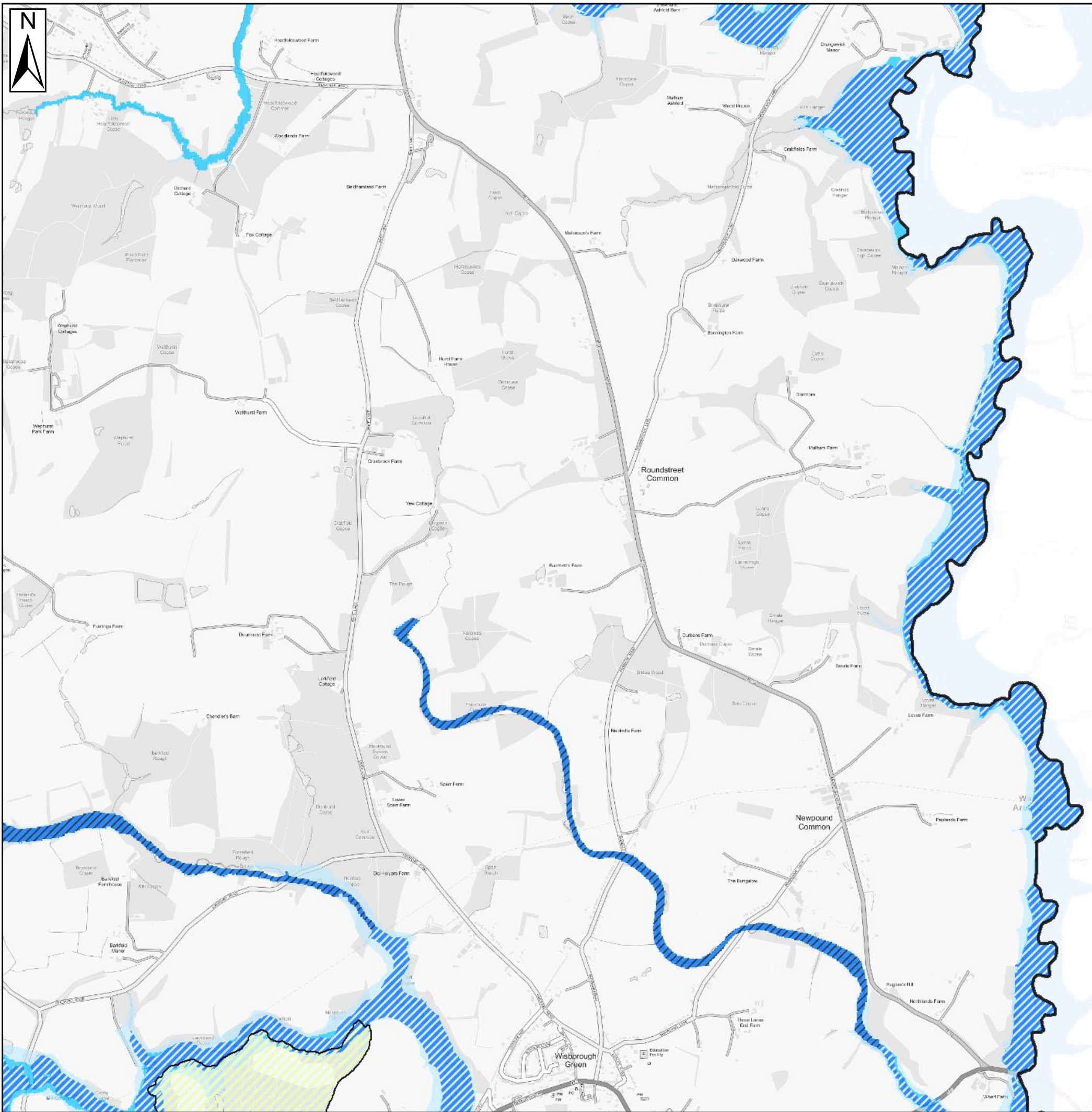
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CHICHESTER DISTRICT COUNCIL

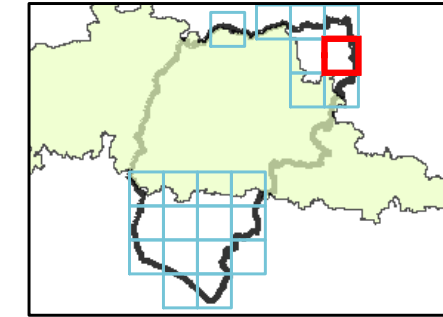
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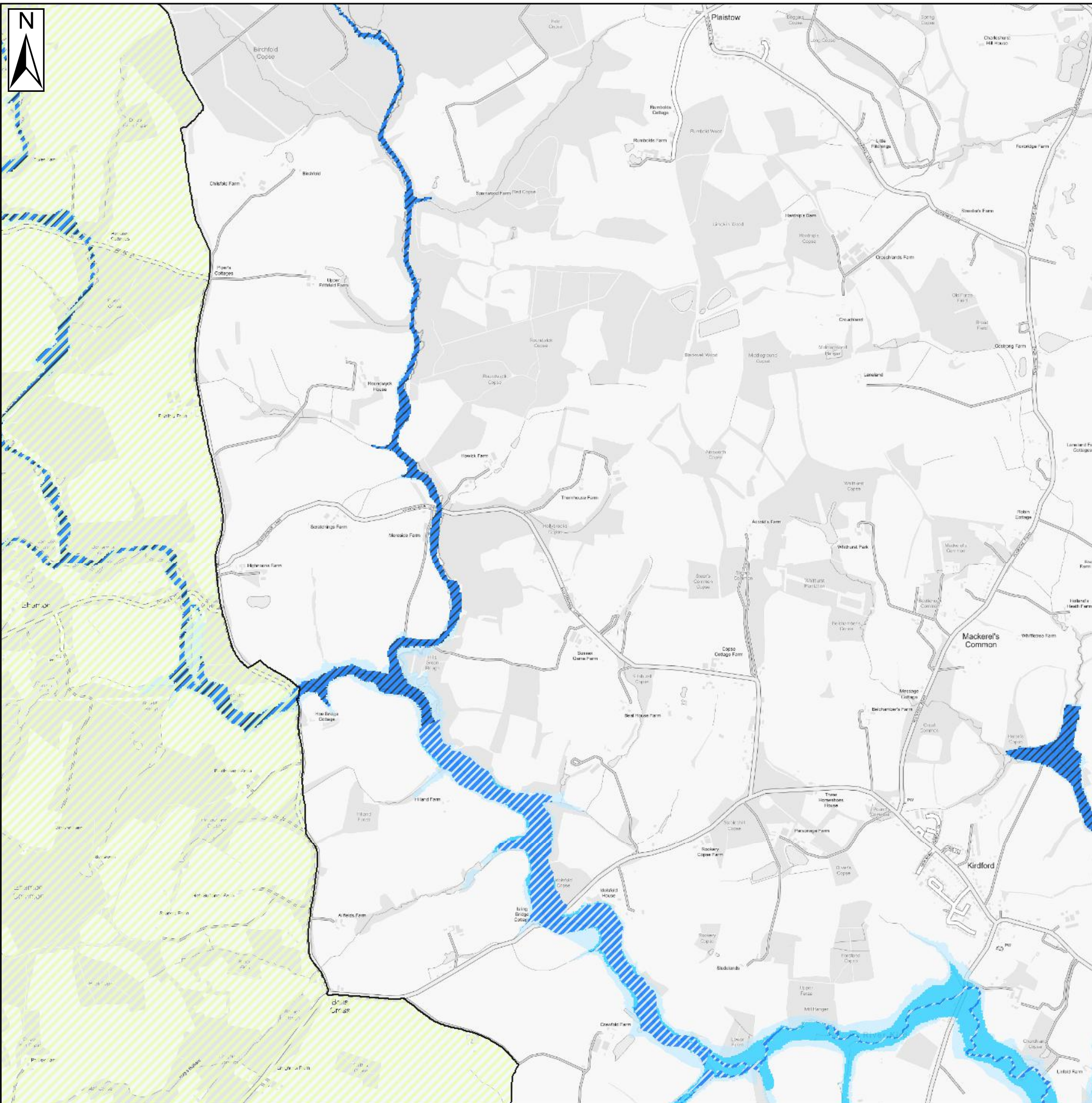


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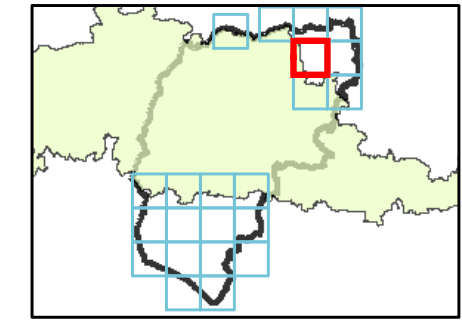
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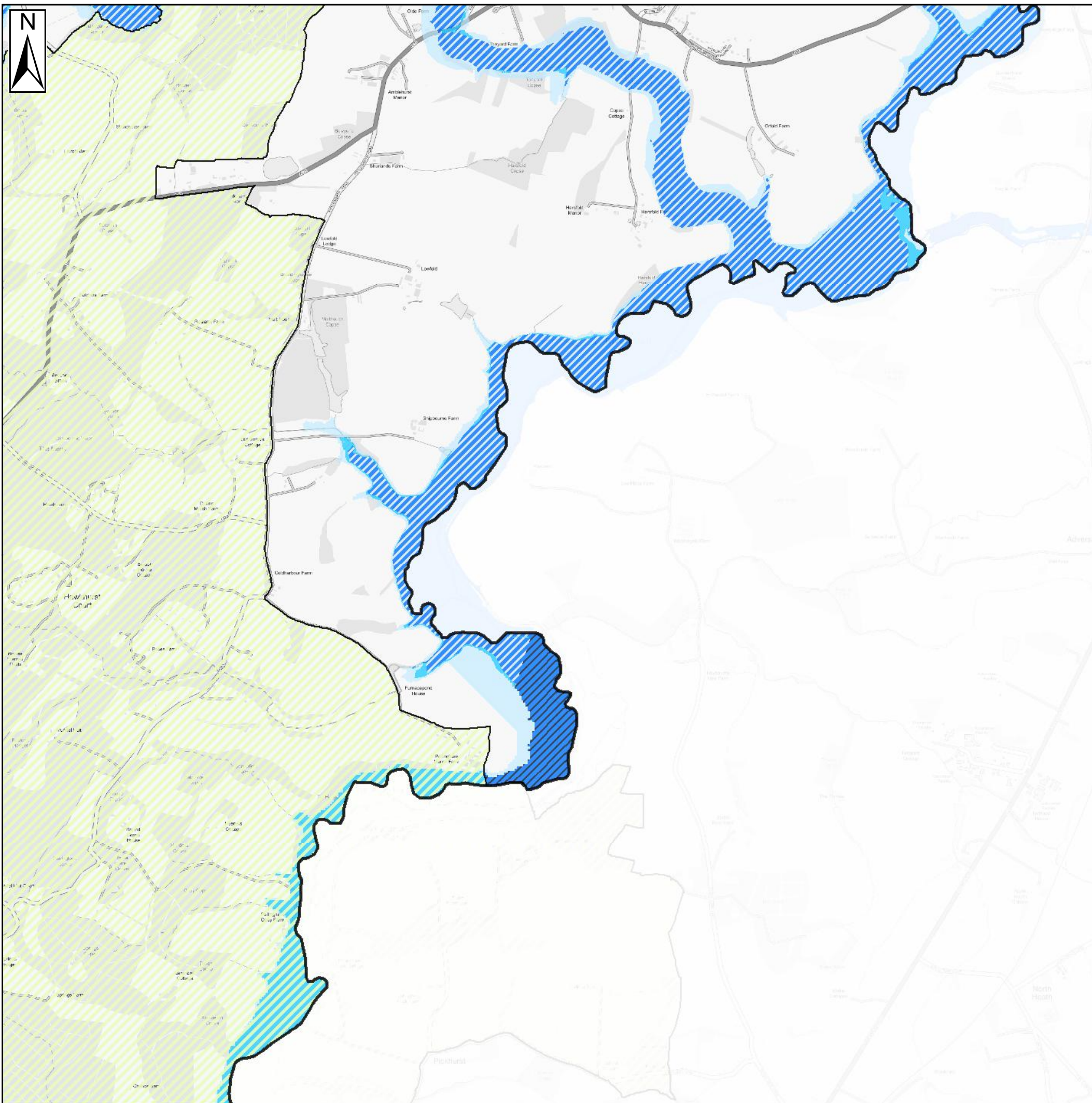
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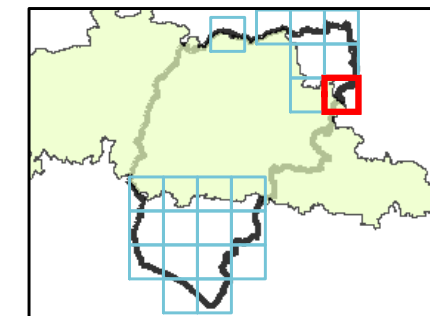
CHICHESTER DISTRICT COUNCIL SFRA: APPENDIX D - FLOOD ZONES

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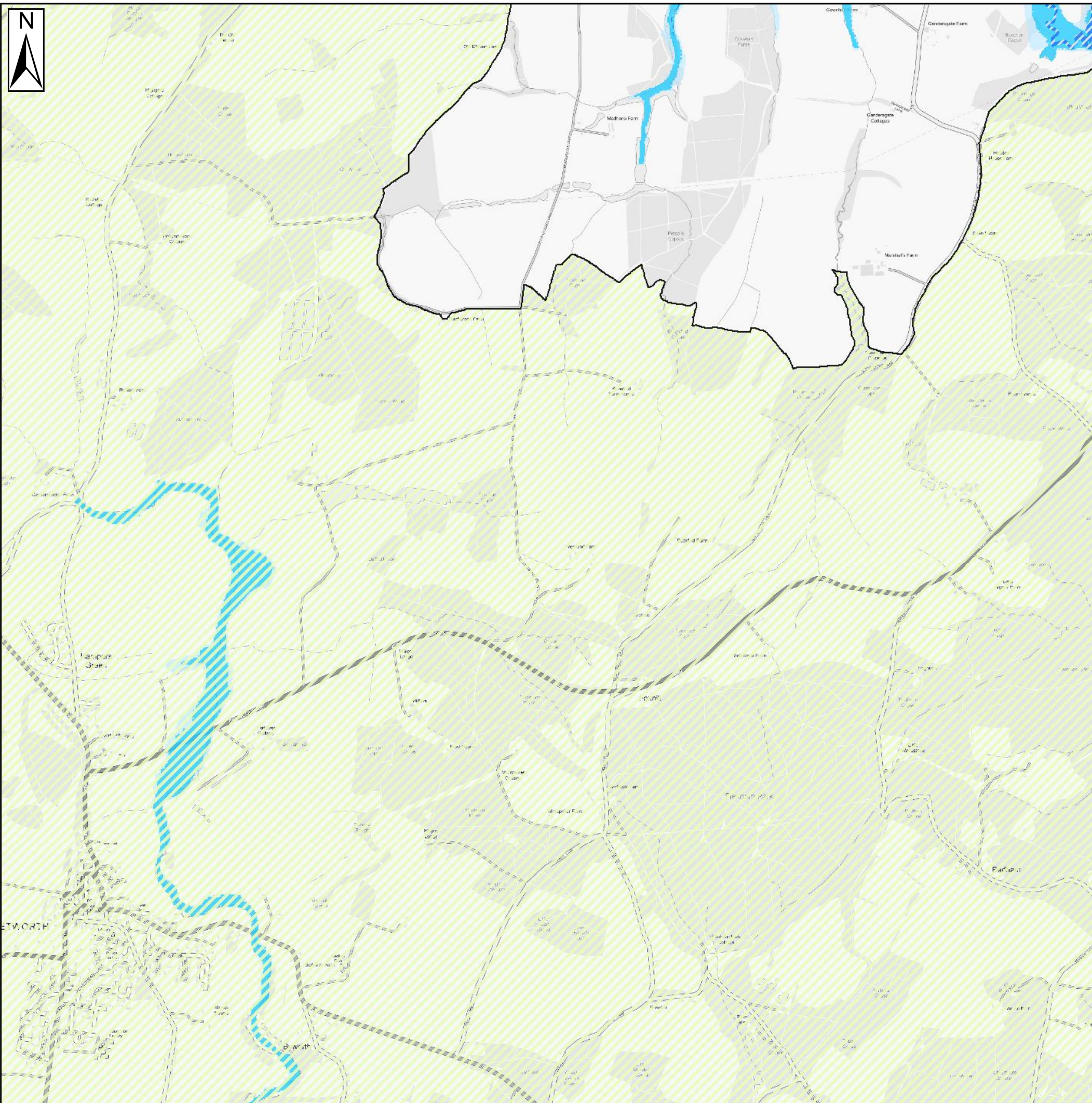


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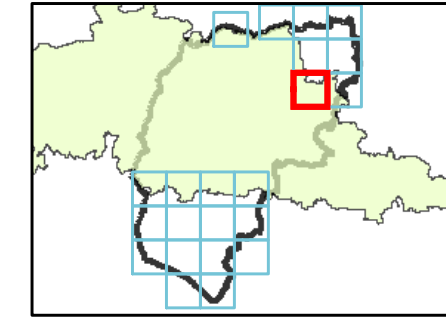
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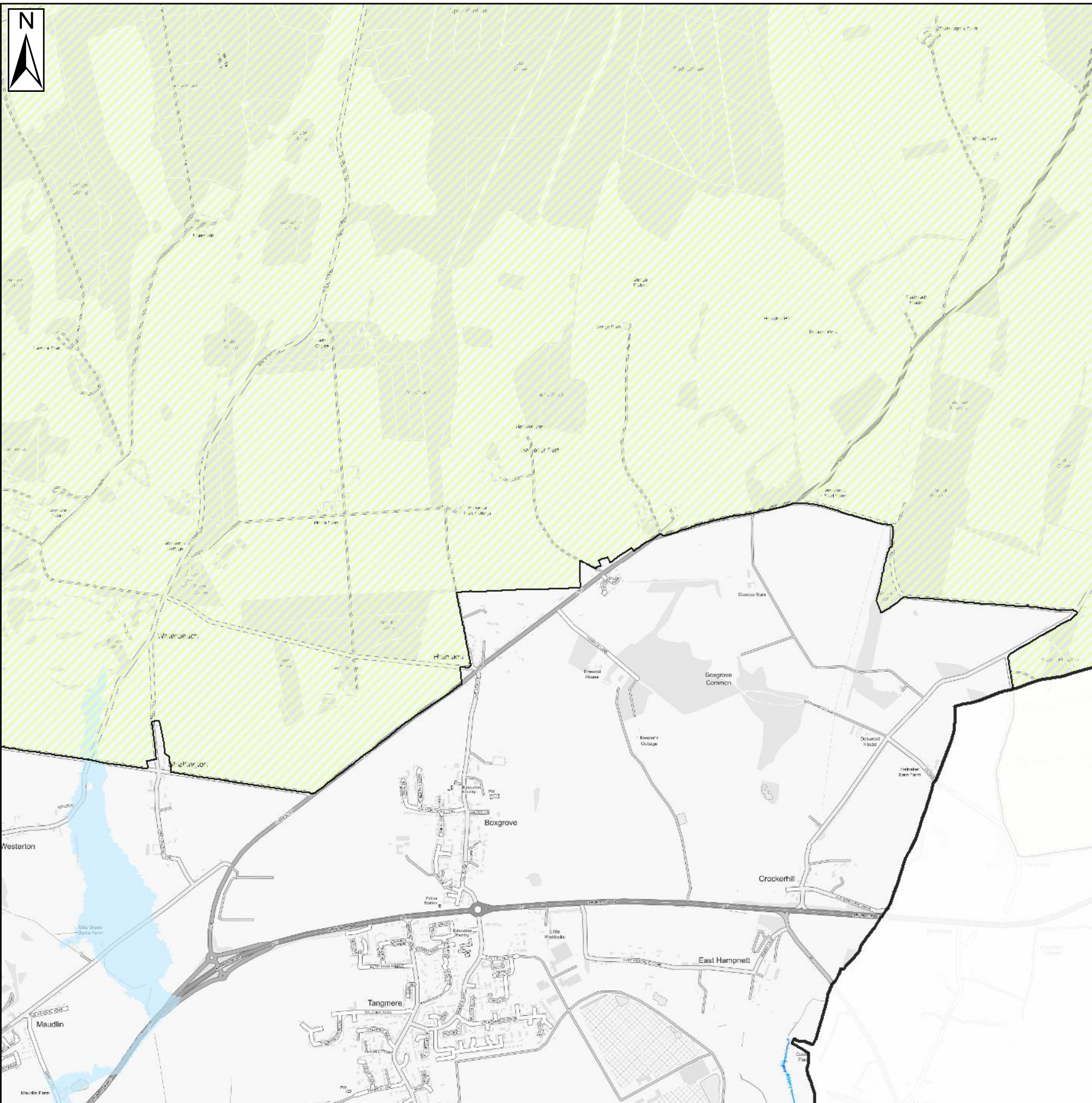


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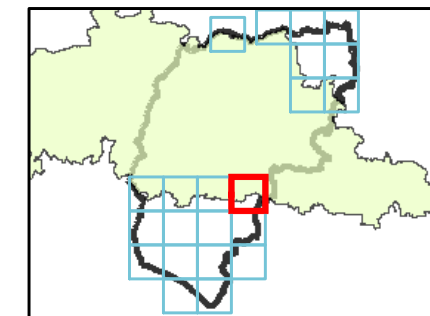
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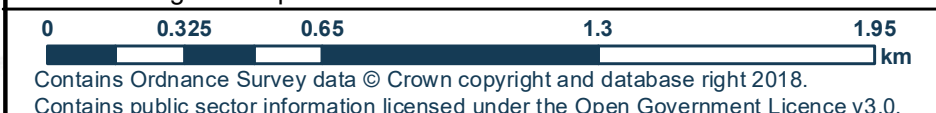
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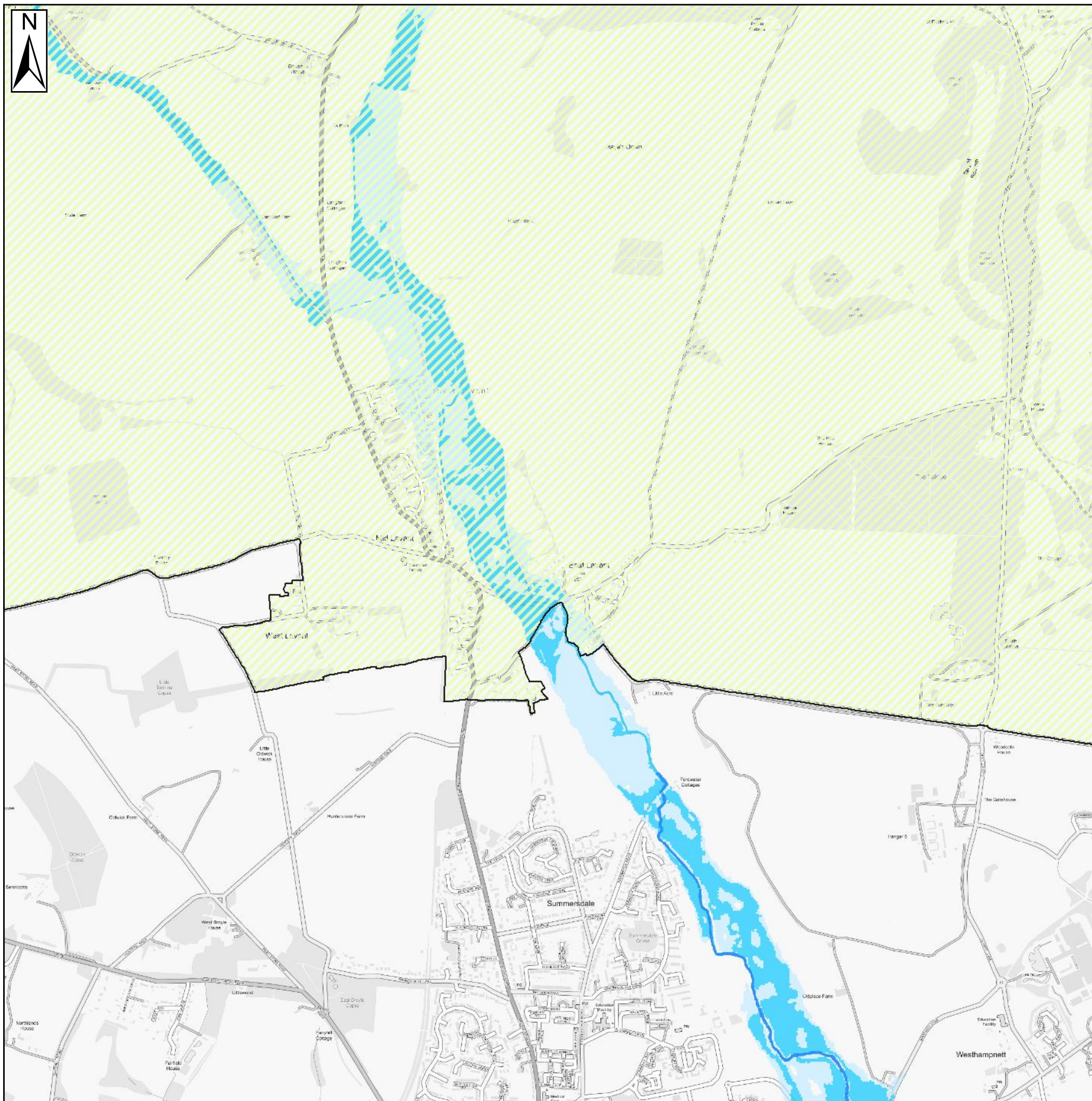
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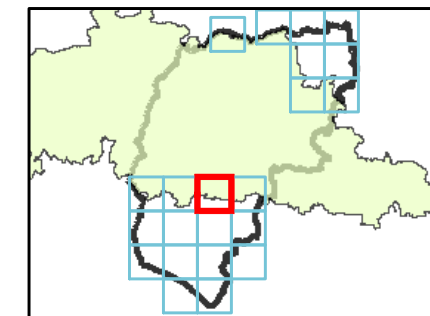
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Flood Zone 3b: This zone comprises land where water has to flow or be stored in times of flood (the functional floodplain).

The SFRA identified this Flood Zone as land which would flood with an annual probability of 1 in 20 years, where detailed modelling exists. Where the 1 in 20-year outputs are not available, the precautionary approach has been taken, surrogate return periods have been used (e.g. 1 in 25-year (4% AEP), if available). Where this was not available, then Flood Zone 3a has been used.

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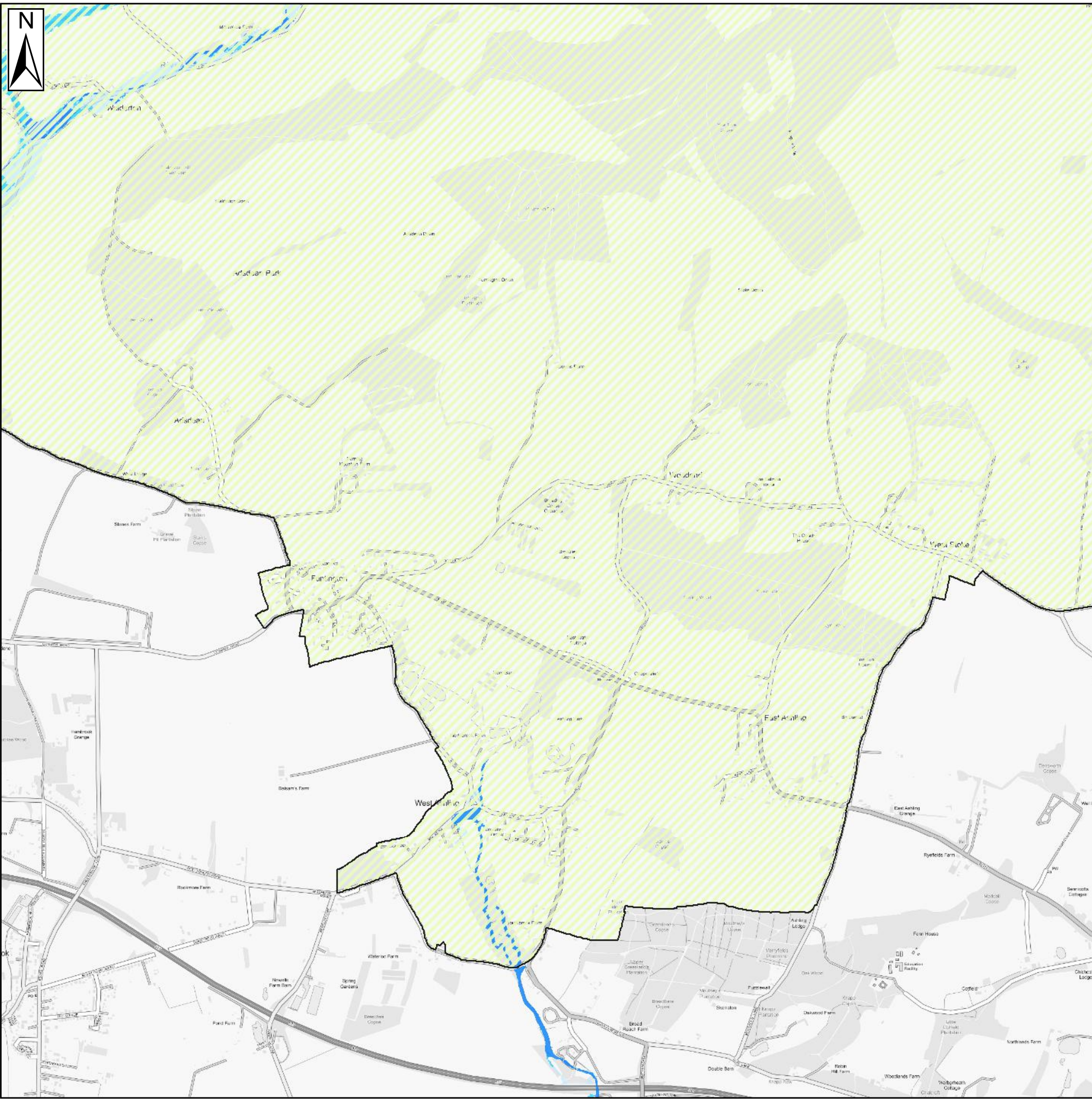


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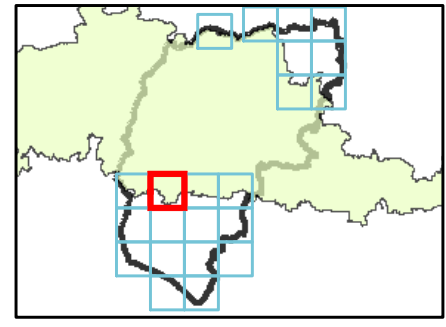
CHICHESTER DISTRICT COUNCIL SFRA: APPENDIX D - FLOOD ZONES

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Key Plan



Legend

- Chichester District
- South Downs National Park
- Flood Zone 2
- Flood Zone 3a
- Flood Zone 3b
- 1 in 25-year event used to define Flood Zone 3b
- Flood Zone 3a used to define Flood Zone 3b

Notes

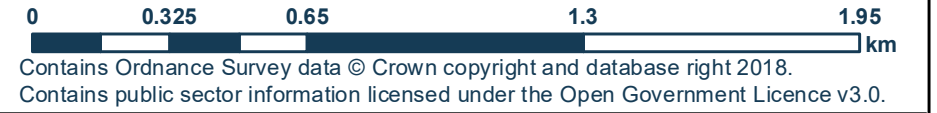
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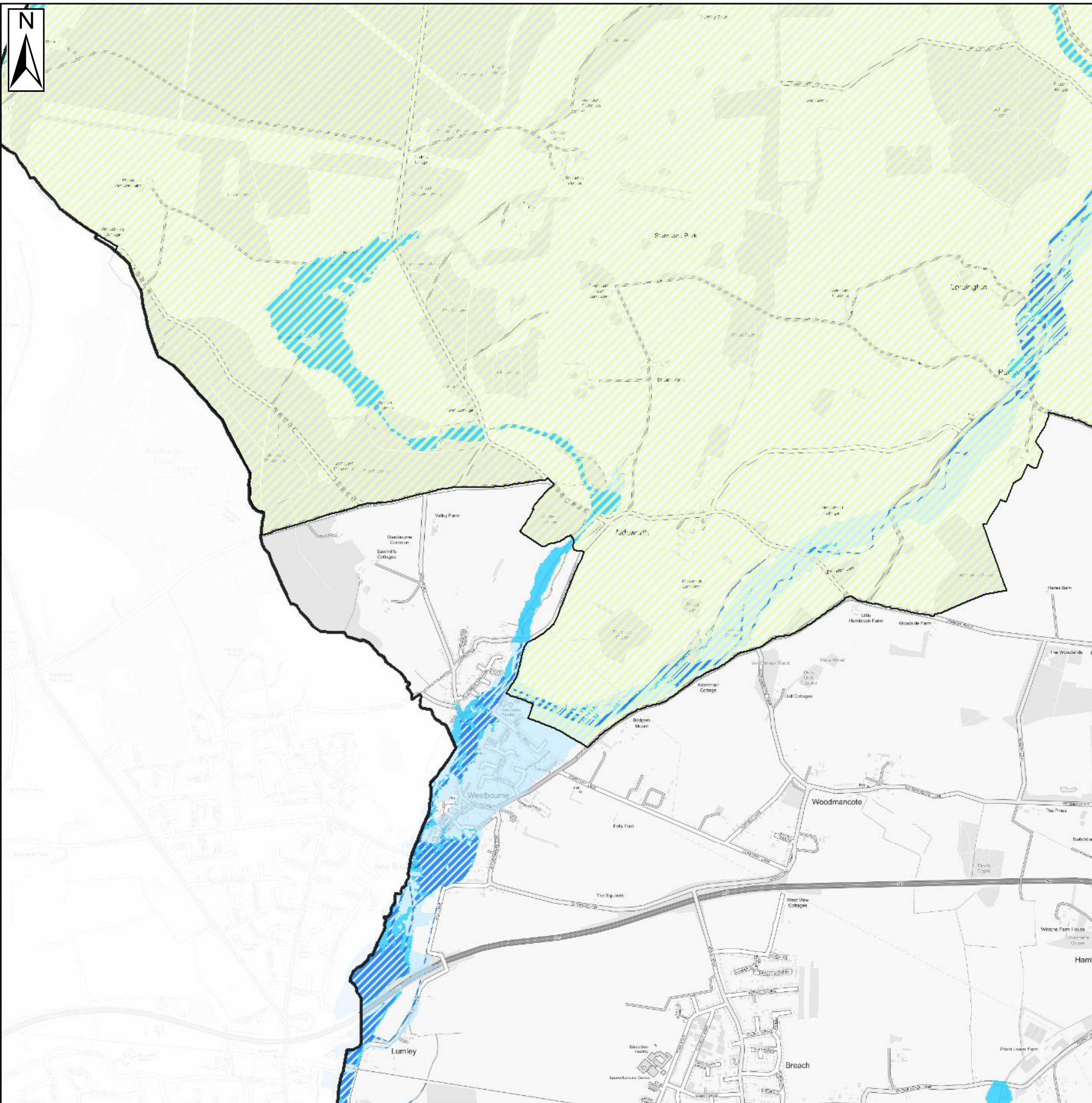
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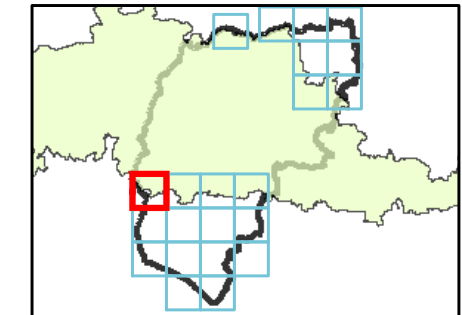
CHICHESTER DISTRICT COUNCIL
SFRA: APPENDIX D - FLOOD ZONES

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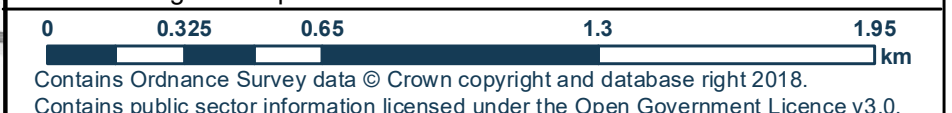
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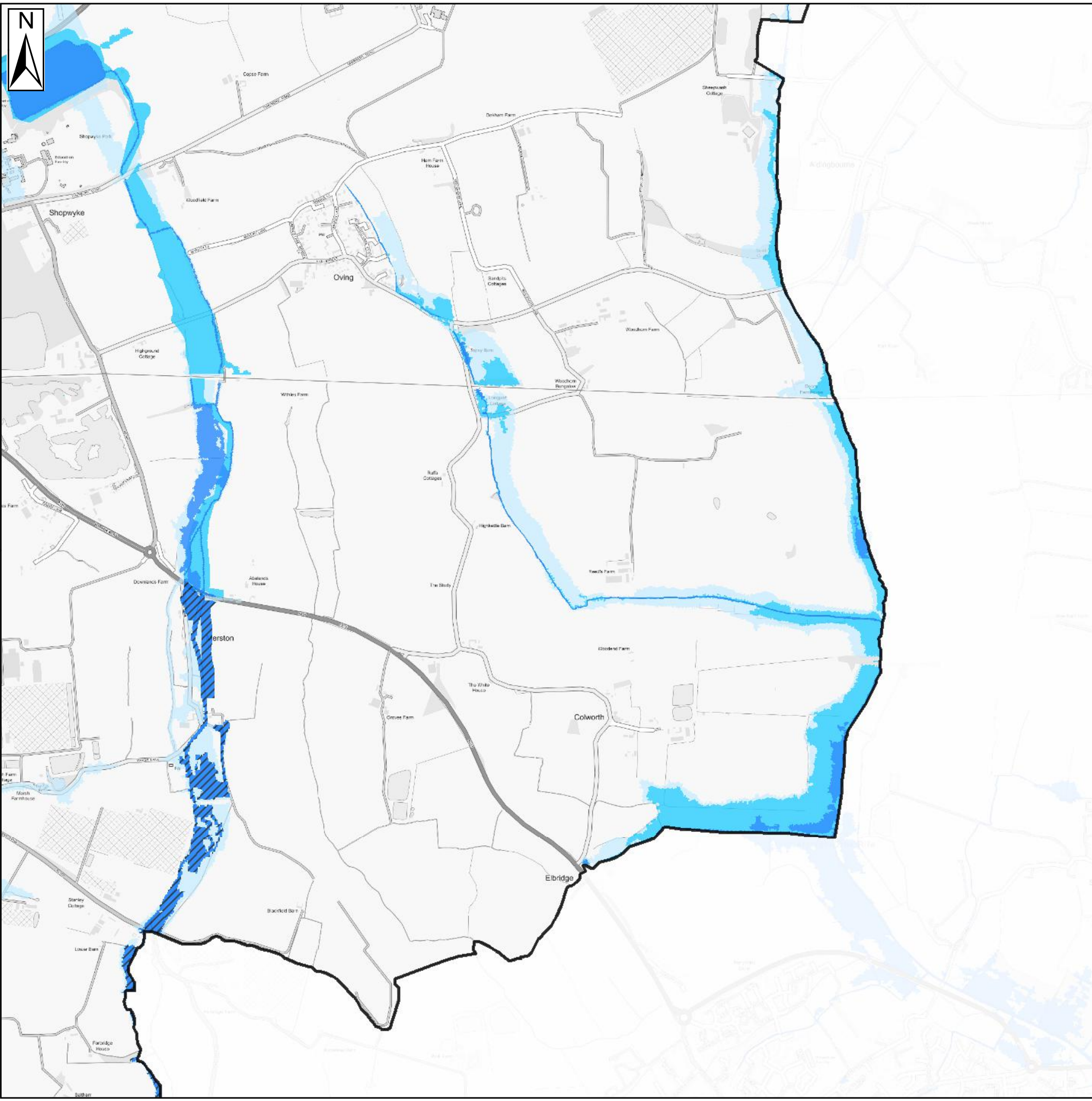
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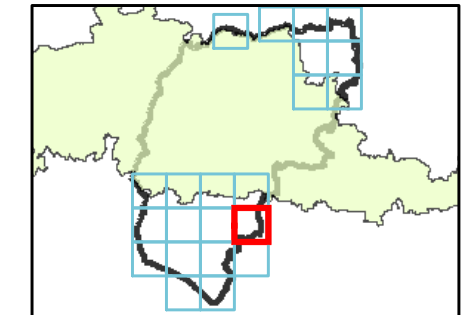
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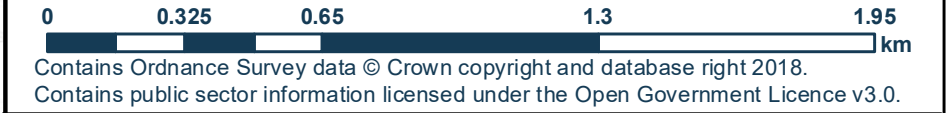
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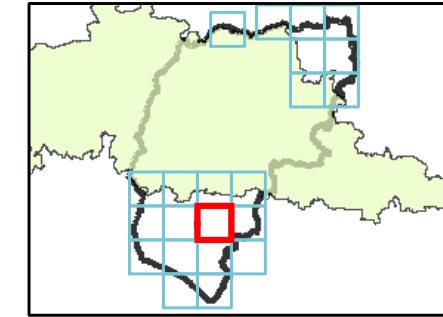
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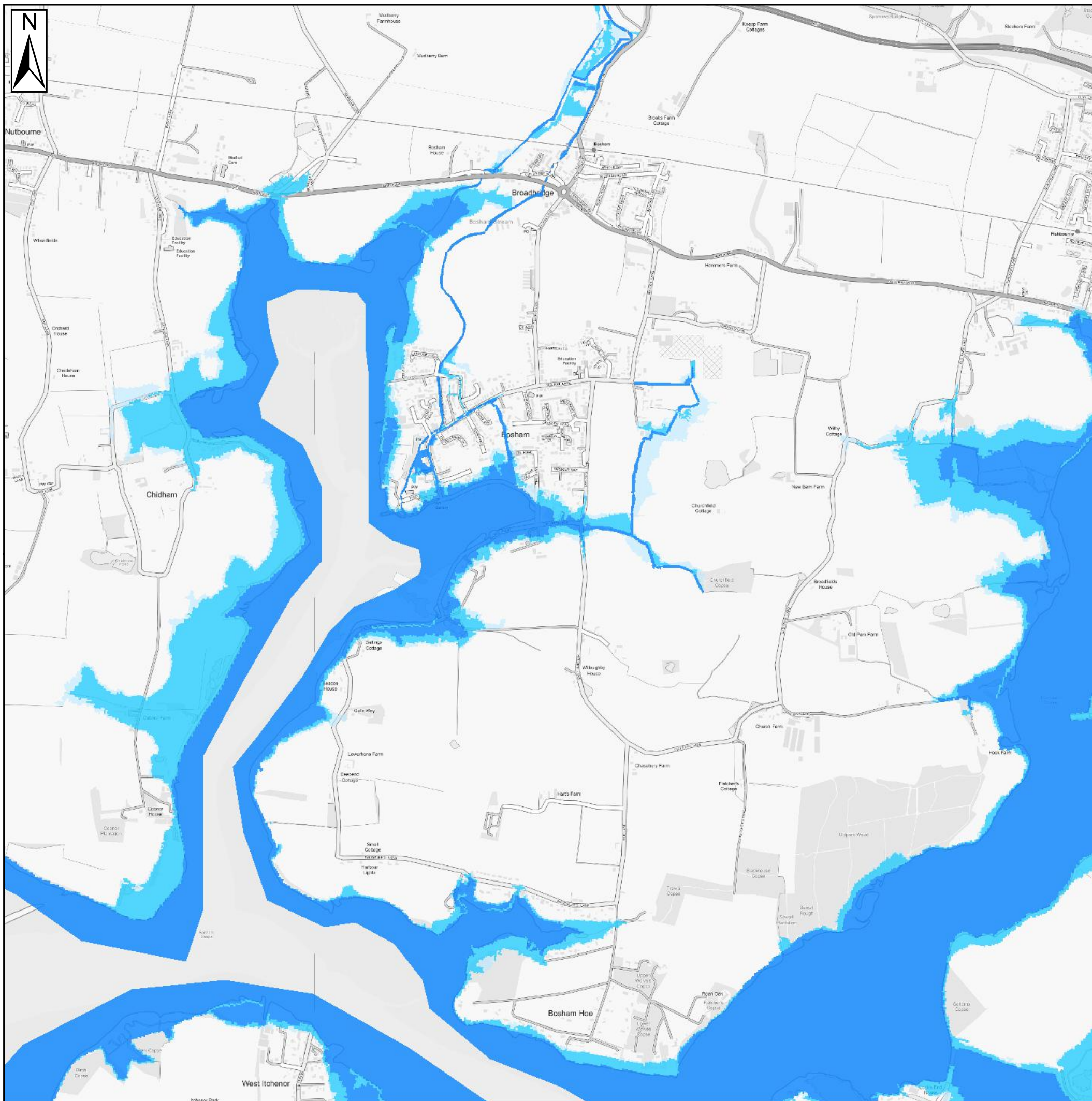


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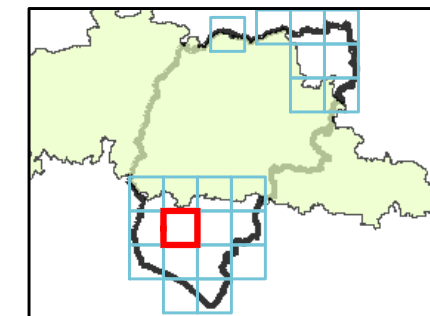
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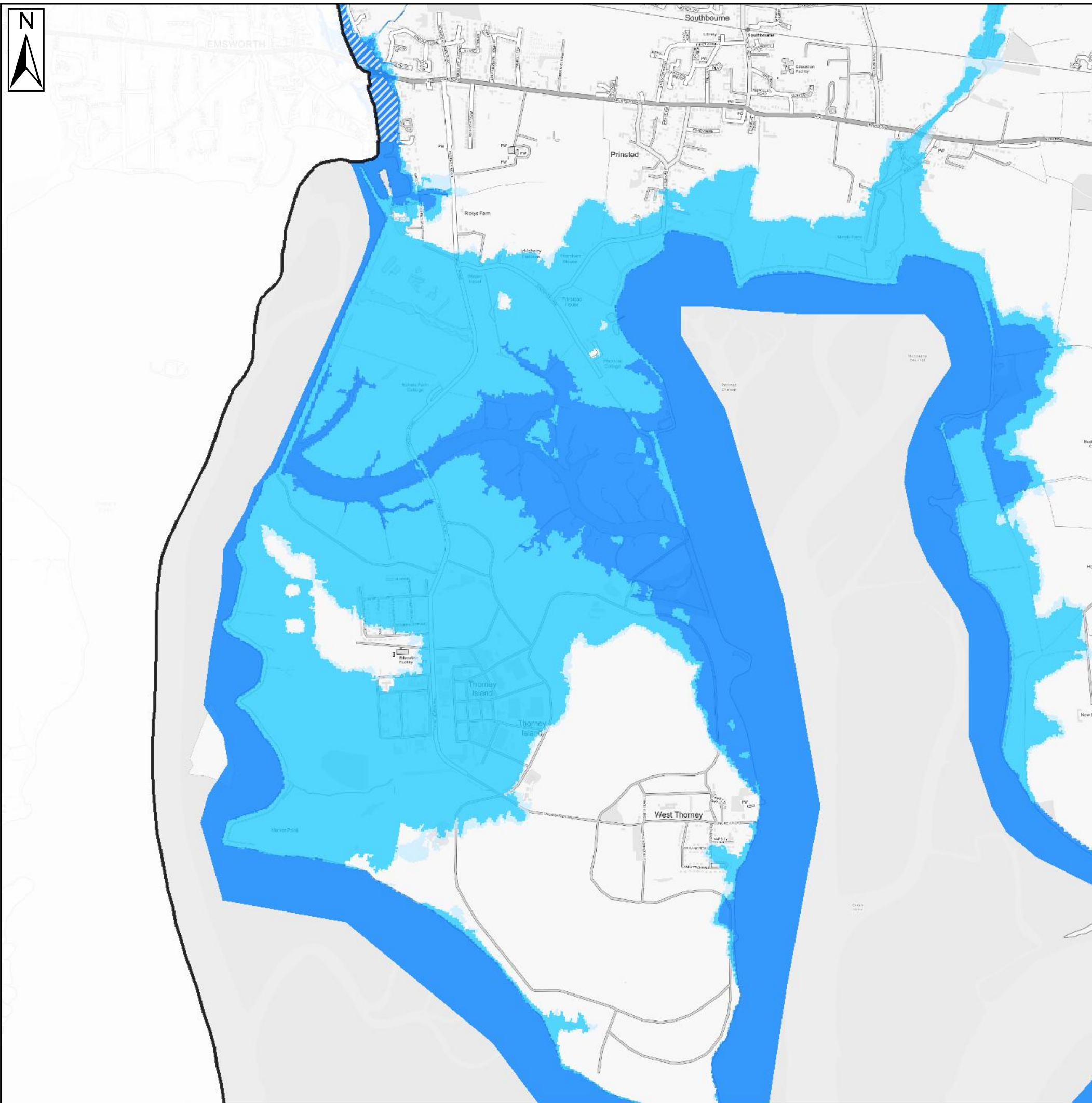


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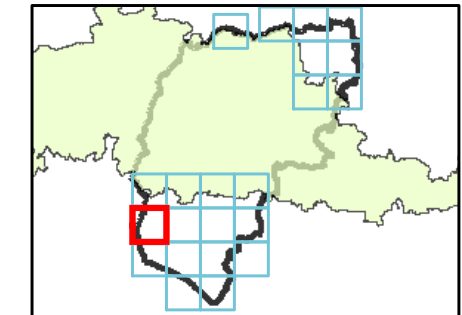
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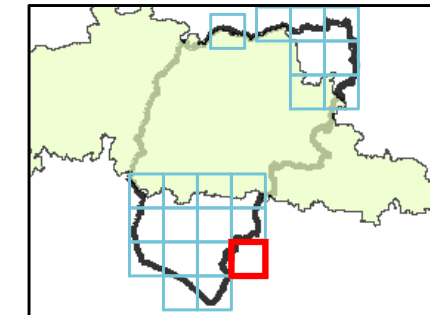
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SFRA: APPENDIX D - FLOOD ZONES

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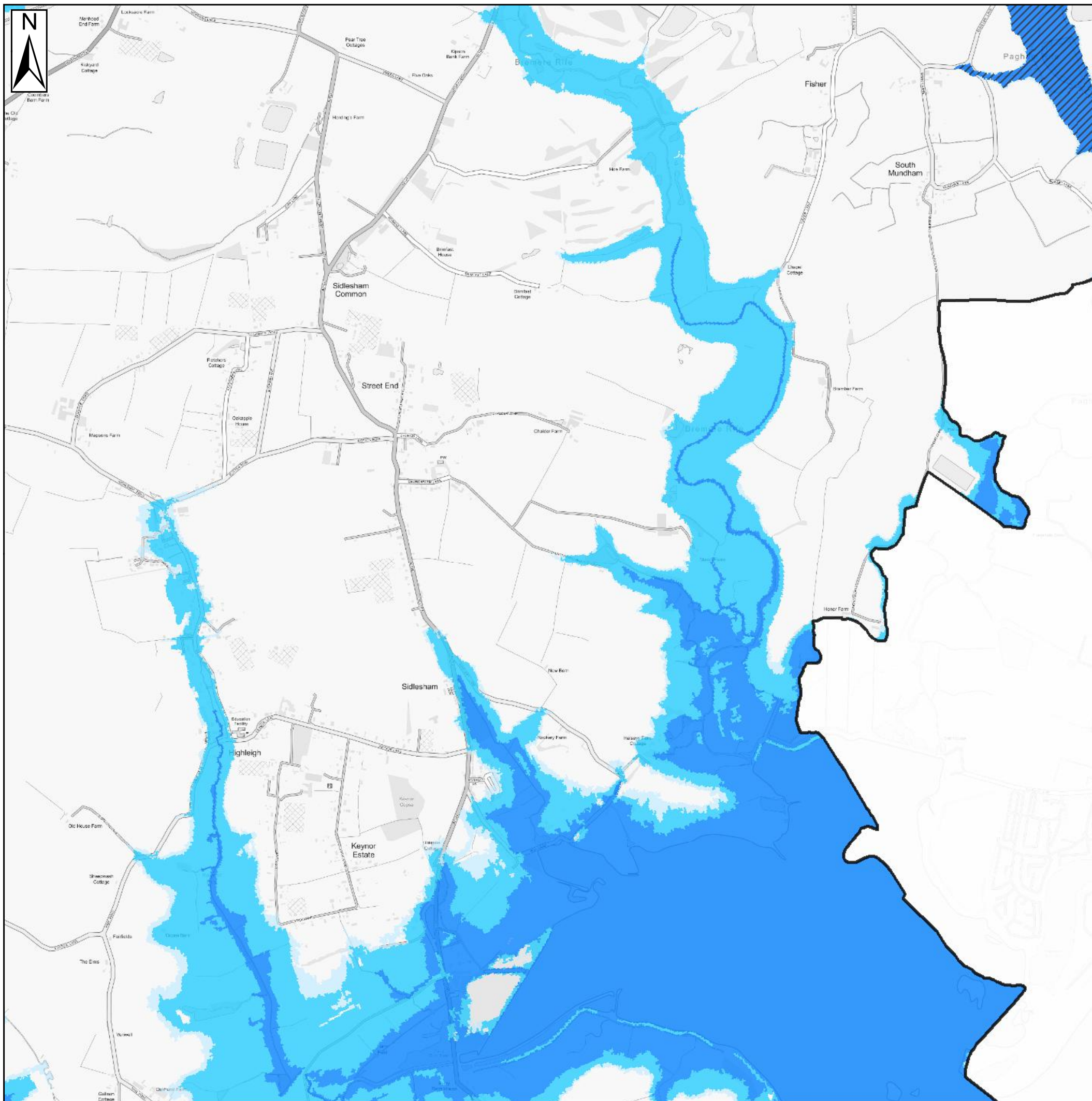


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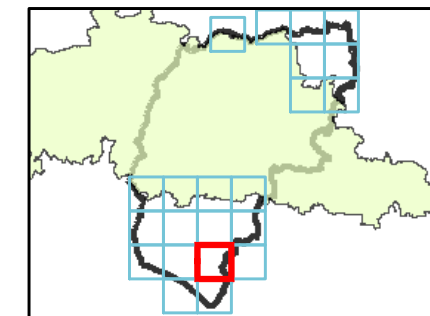
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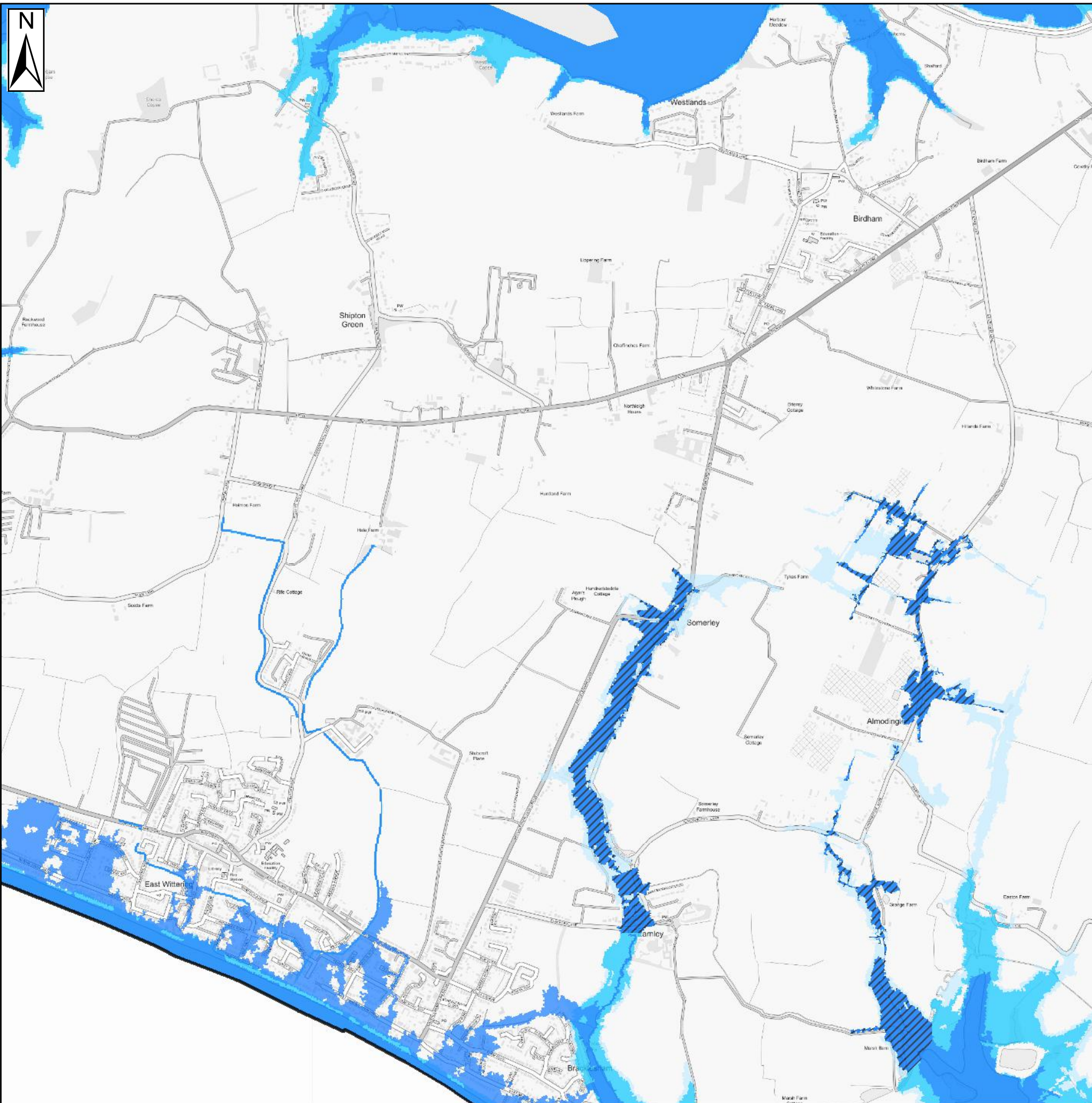


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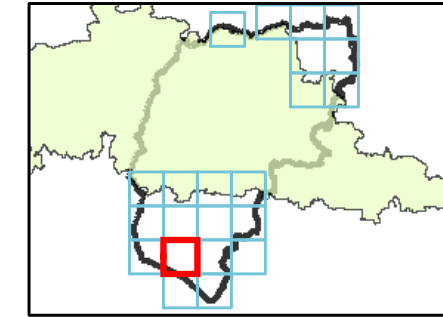
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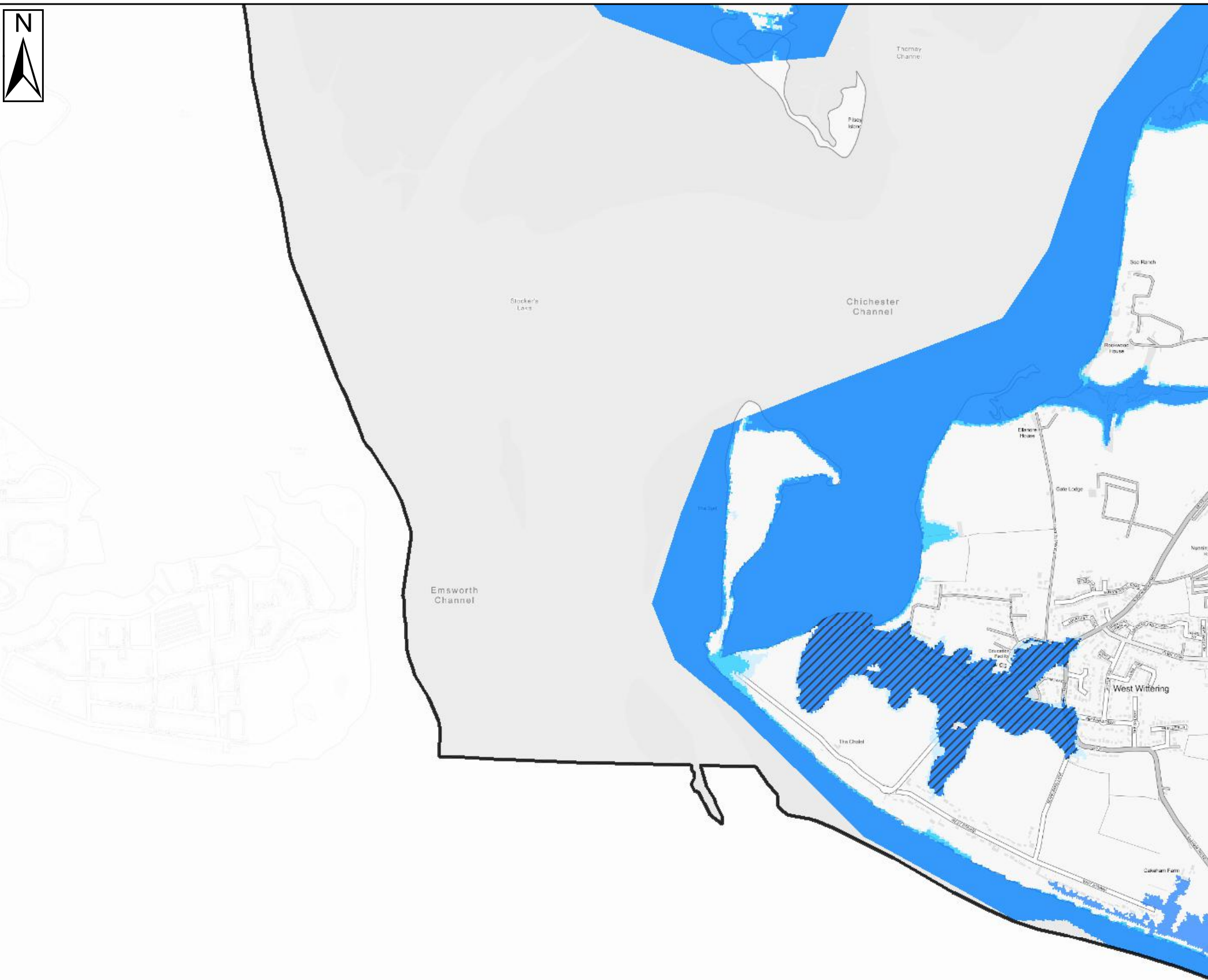


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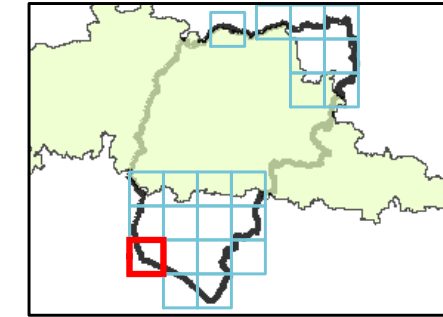
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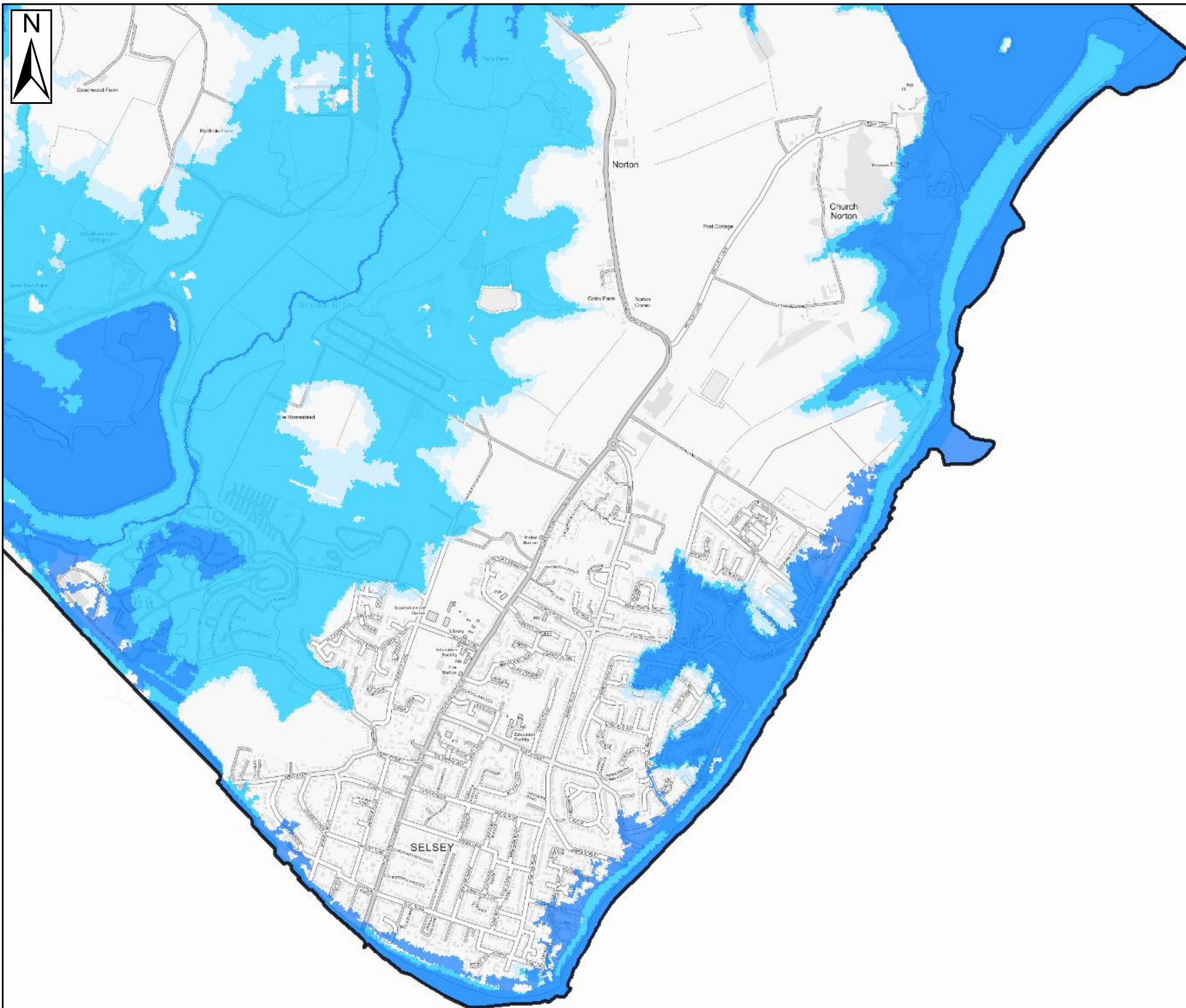


CHICHESTER DISTRICT COUNCIL

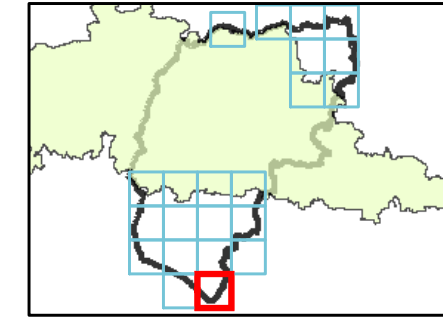
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The Environment Agency regularly reviews its hydrology, hydraulic modelling and flood risk mapping, and it is important that they are approached to determine whether updated (more accurate) information is available prior to commencing a site-specific FRA.

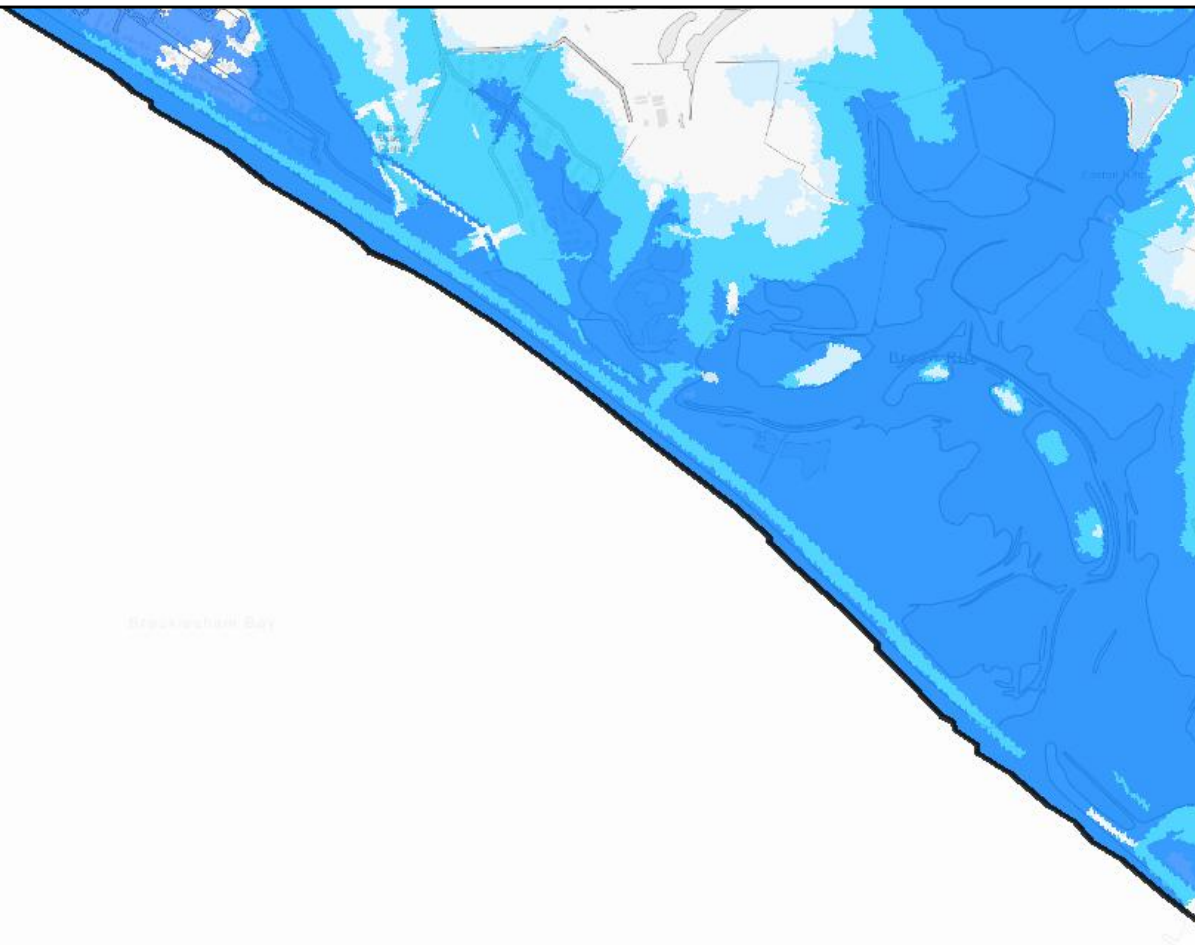


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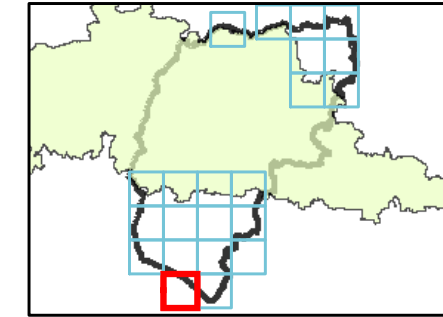
CHICHESTER DISTRICT COUNCIL SFRA: APPENDIX D - FLOOD ZONES

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








Key Plan



Legend

-  Chichester District
-  South Downs National Park
-  Flood Zone 2
-  Flood Zone 3a
-  Flood Zone 3b
-  1 in 25-year event used to define Flood Zone 3b
-  Flood Zone 3a used to define Flood Zone 3b

Notes

Flood Zone 1: Comprises land assessed as having a less than 1 in 1000 annual probability of river or sea flooding in any year (<0.1% AEP).

Flood Zone 2: This zone comprises land assessed as having between a 1 in 100 and 1 in 1,000 annual probability of river flooding (0.1% - 1% AEP) or between 1 in 200 and 1 in 1,000 annual probability of sea flooding (0.1% – 0.5% AEP) in any year.

Flood Zone 3a: This zone comprises land assessed as having a greater than 1 in 100 annual probability of river flooding (>1.0% AEP) or a greater than 1 in 200 annual probability of flooding from the sea (>0.5% AEP) in any year.

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, where detailed modelling exists. Where the 1 in 20-year outputs are not available, the precautionary approach has been taken, surrogate return periods have been used (e.g. 1 in 25-year (4%AEP), if available). Where this was not available, then Flood Zone 3a has been used.

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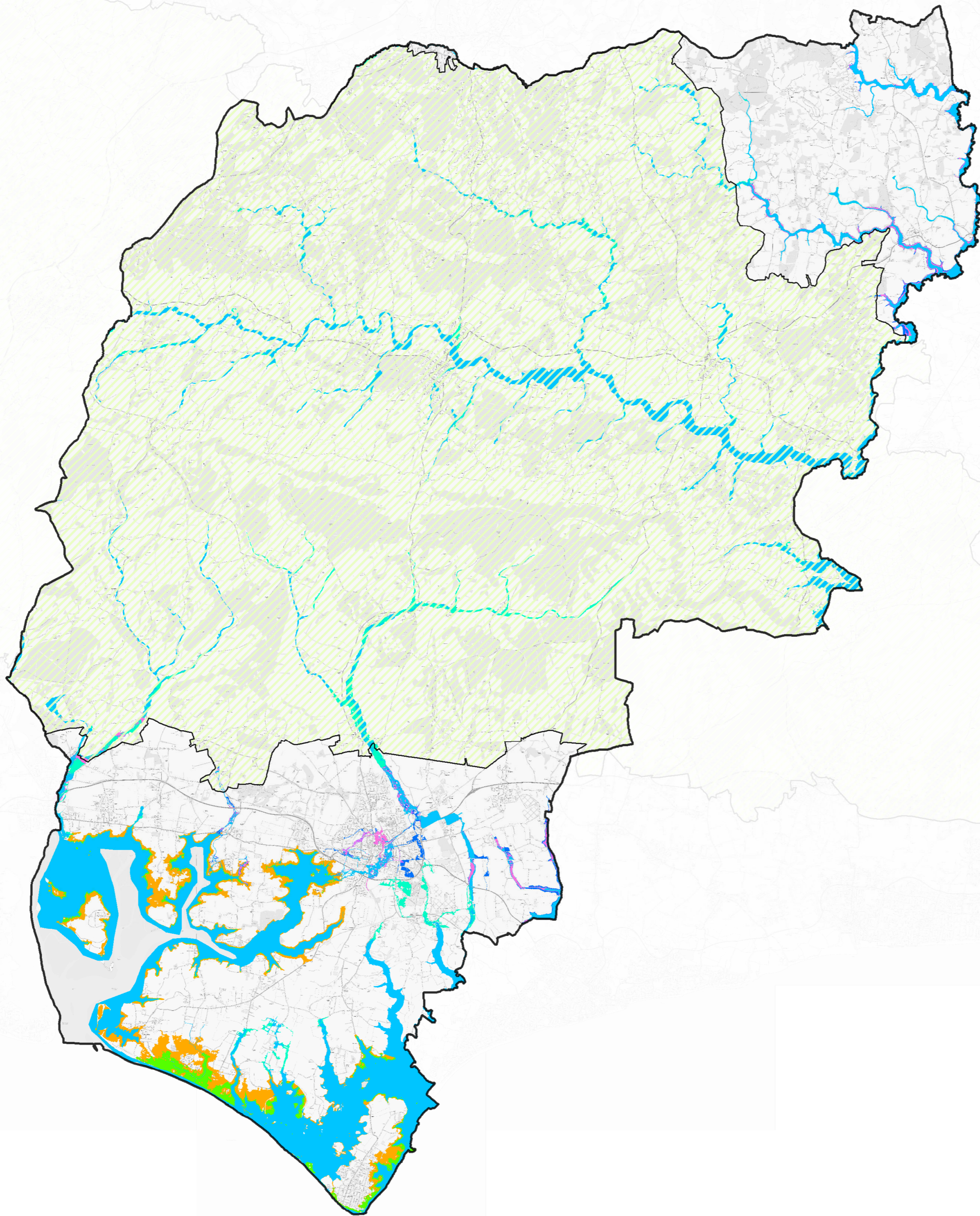
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SFRA: APPENDIX D - FLOOD ZONES

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Key Plan



Legend

-  Chichester District
 -  South Downs National Park
 -  Flood Zone 3a
- Fluvial extents**
-  1 in 100-year plus 35% CC
 -  1 in 100 year plus 105% CC
 -  1 in 100 year plus 45% CC
 -  Flood Zone 2 - proxy for climate change
- Tidal extents**
-  2070 tidal event
 -  2115 tidal event

Notes

Climate change for fluvial events for the Central, Higher Central and Upper End estimates for the 2080s epoch (2070-2115) are shown.

The East Head to Littlehampton flood risk coastal modelling study (2016) has been used to understand the tidal and coastal flood risk along the Local Plan area for the years 2070 and 2115.

Where there is no fluvial model available, Flood Zone 2 has been used to provide indicative information on climate change. Detailed hydraulic modelling using topographic survey would be required at a site-specific level to confirm the flood risk to these sites.

Only the 1% AEP plus 35% and 45% events are available for the River Ems. If any sites are considered in this area, then further detailed assessment/modelling should be undertaken.

The Environment Agency climate change allowances may update in the future. Please refer to the latest climate change allowances provide by the Environment Agency.



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SFRA: APPENDIX E
CLIMATE CHANGE

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Key Plan



Legend

-  Chichester District
-  South Downs National Park
- Risk of Flooding from Surface Water return period**
-  3.33% AEP (1 in 30-year)
-  1% AEP (1 in 100-year)
-  0.1% AEP (1 in 1000-year)

Notes

The Environment Agency's Risk of Flooding from Surface Water (RoFSW) model is derived primarily from identifying topographical flow paths of existing watercourses or dry valleys that contain some isolated ponding locations in low lying areas. They provide a map which displays different levels of surface water flood risk depending on the annual probability of the land in question being inundated by surface water.

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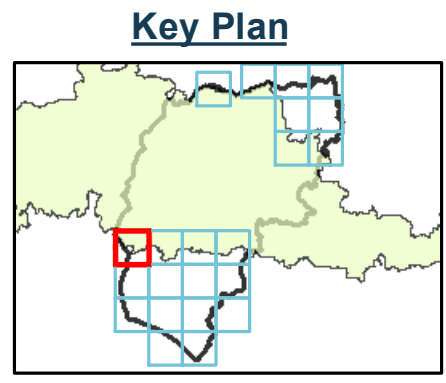
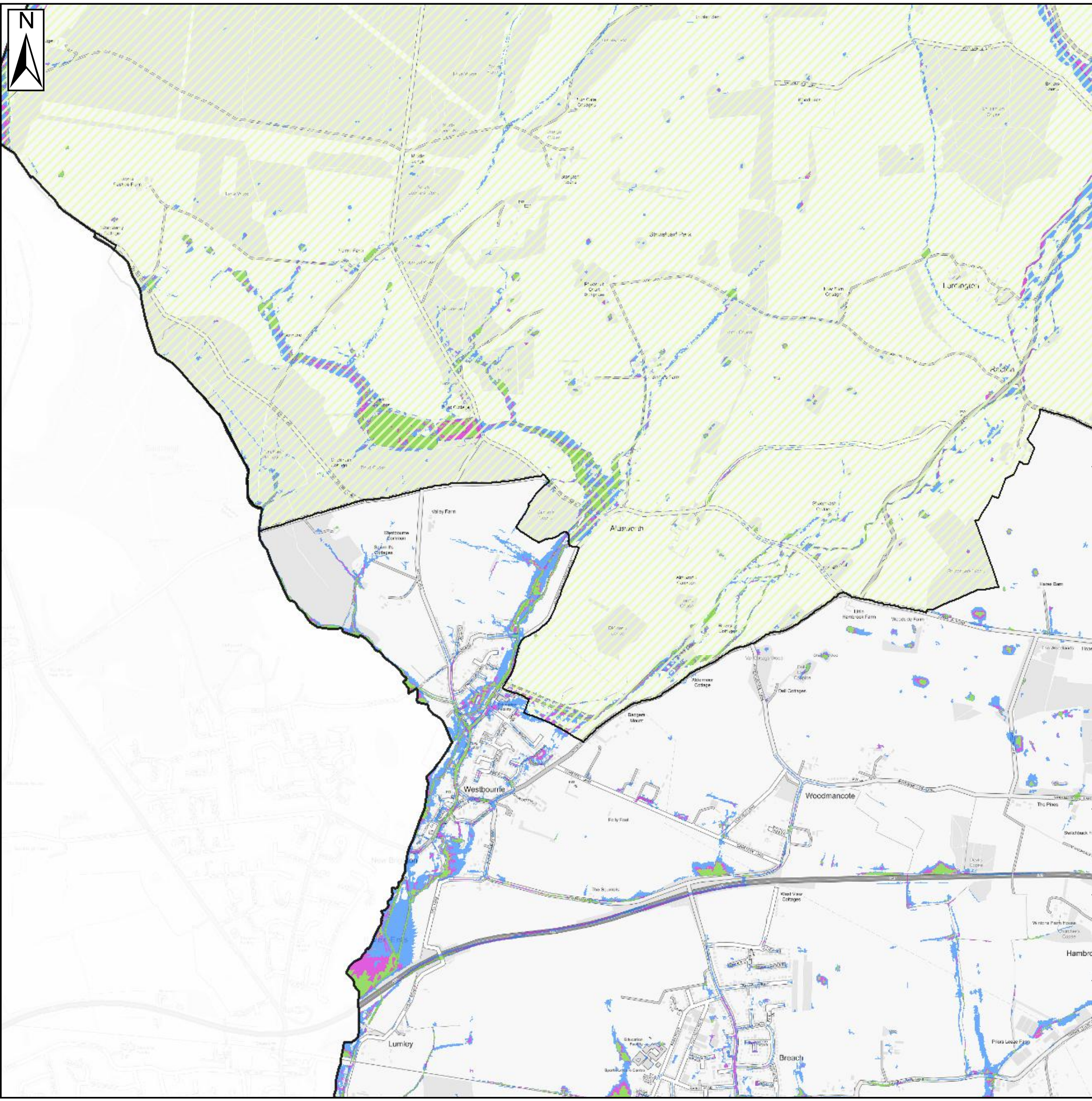


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CHICHESTER DISTRICT COUNCIL
SFRA: APPENDIX F
RISK OF FLOODING FROM SURFACE WATER

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Legend

- Chichester District
- South Downs National Park
- Risk of Flooding from Surface Water**
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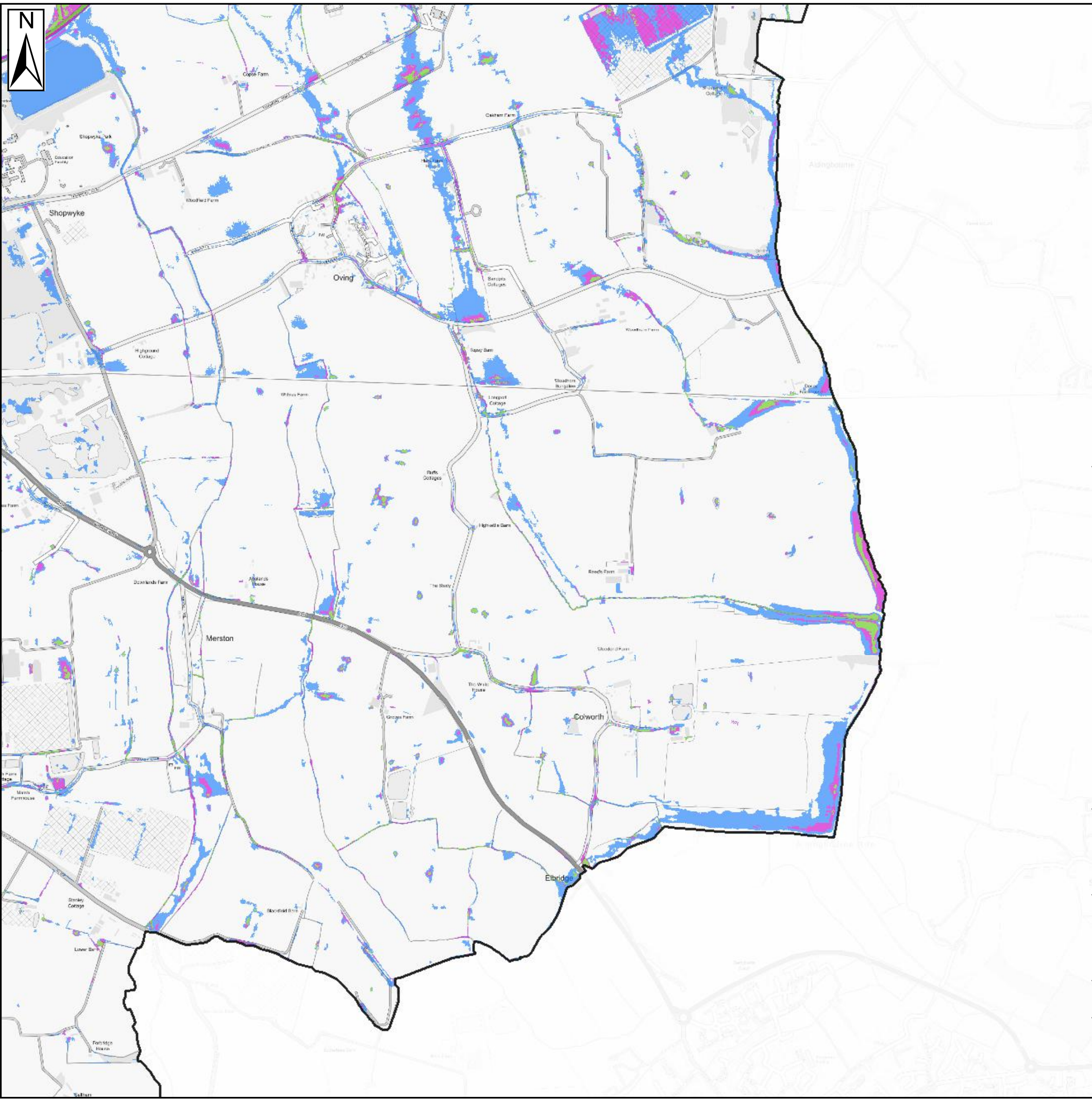


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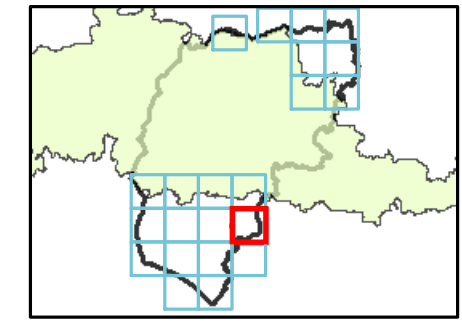
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SFRA: APPENDIX F - RISK OF FLOODING FROM SURFACE WATER

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Chichester District

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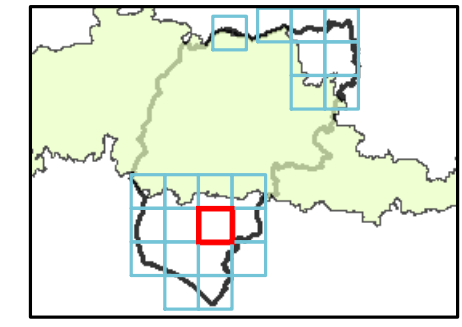
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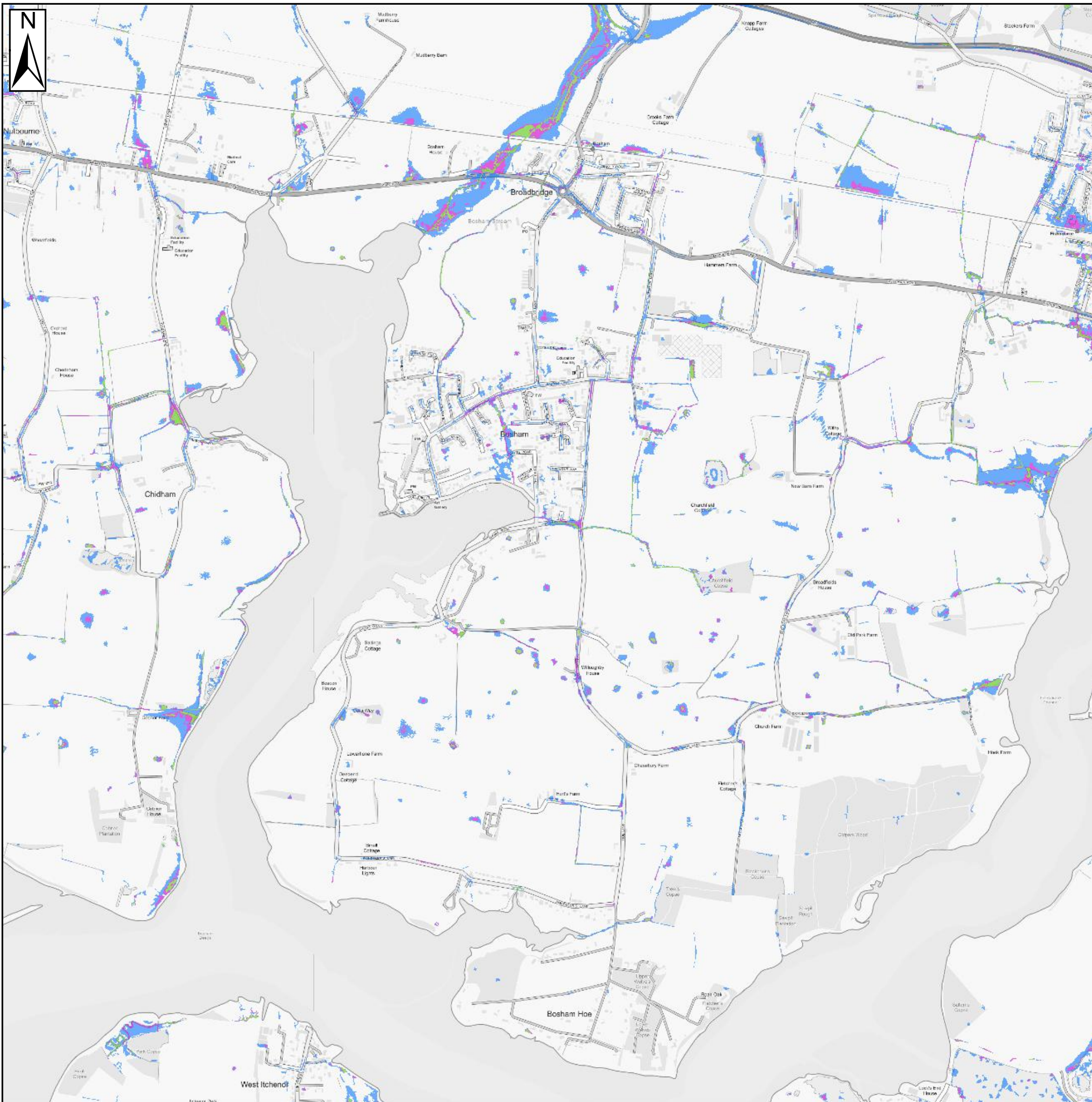


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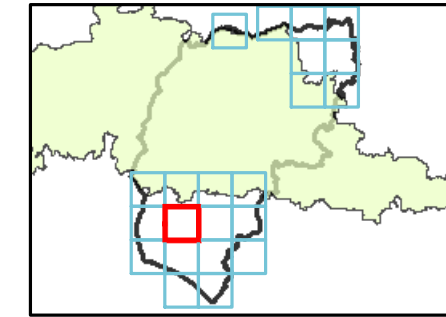
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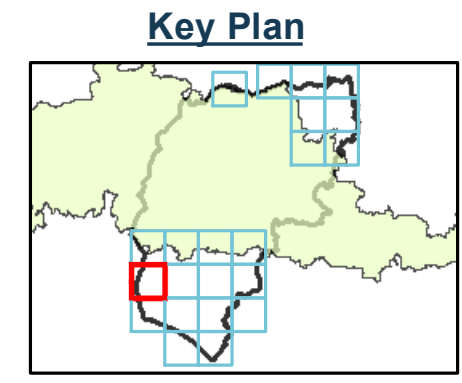
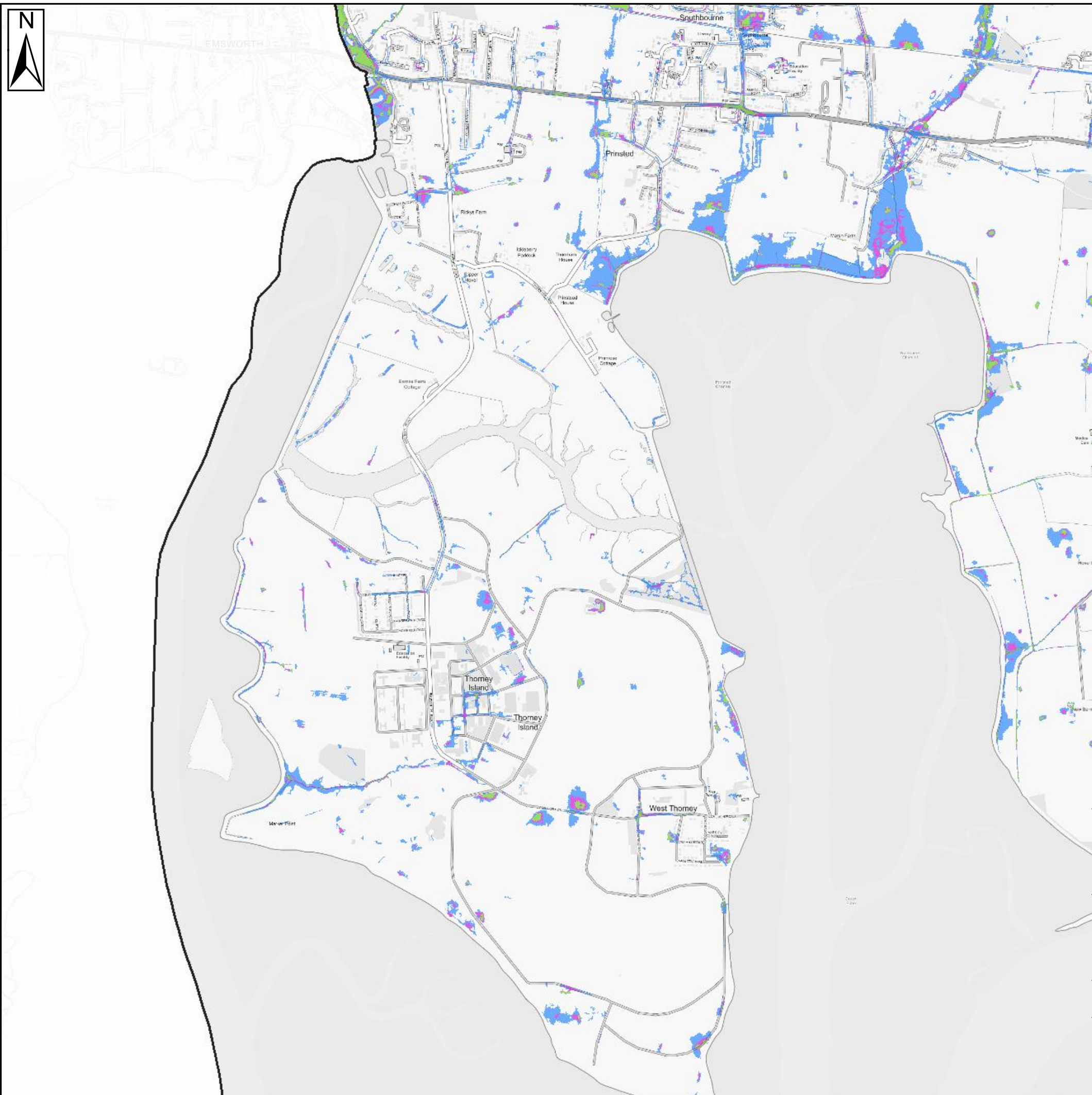


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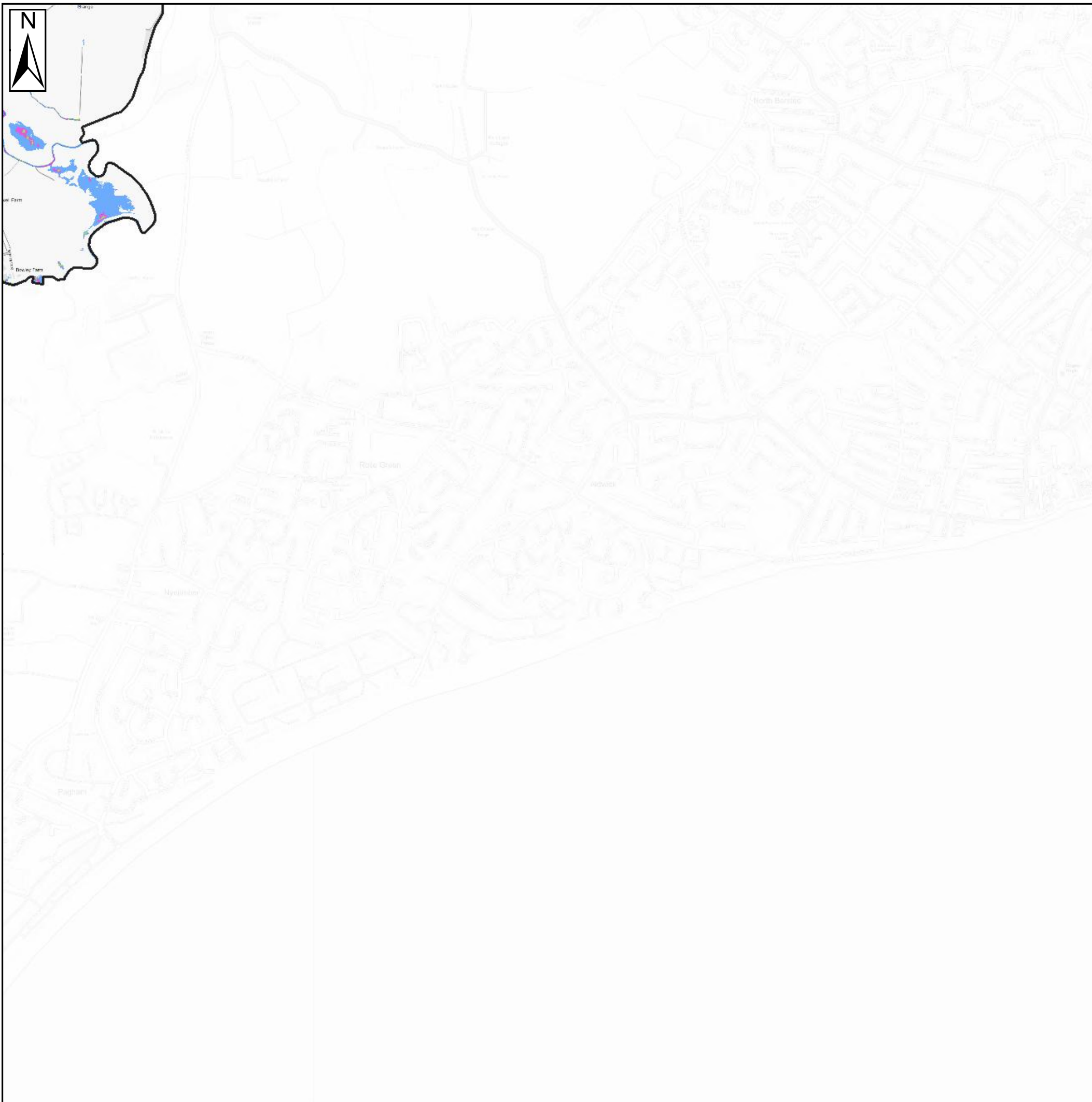
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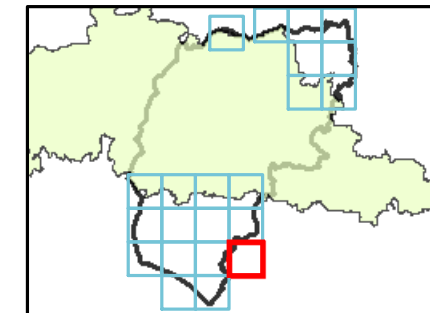
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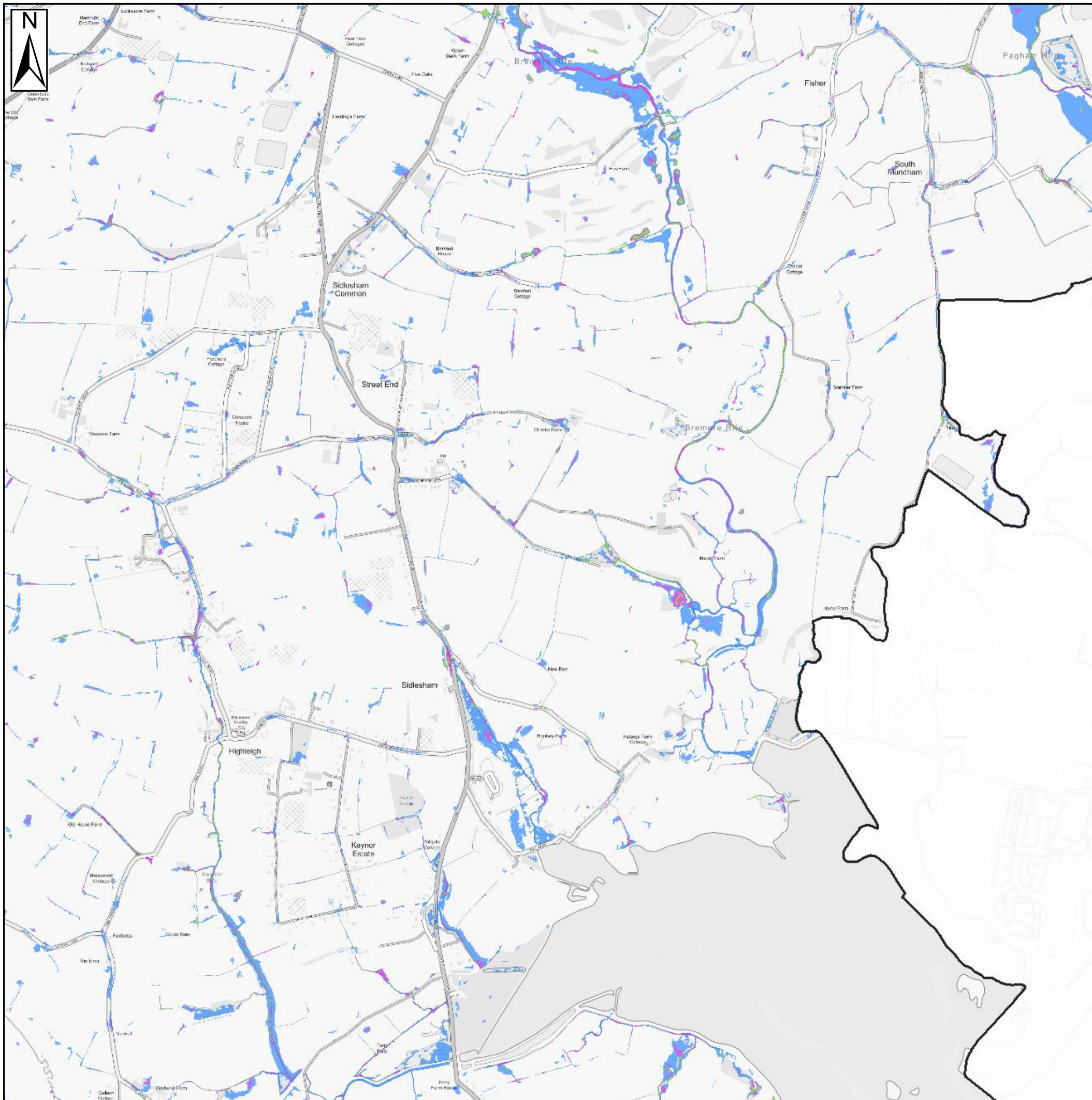


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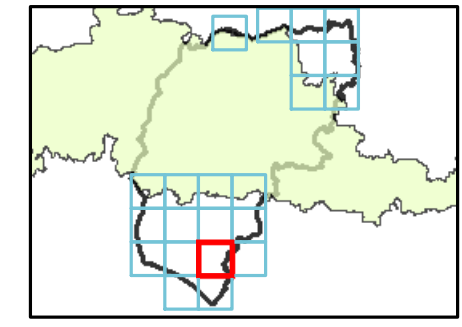
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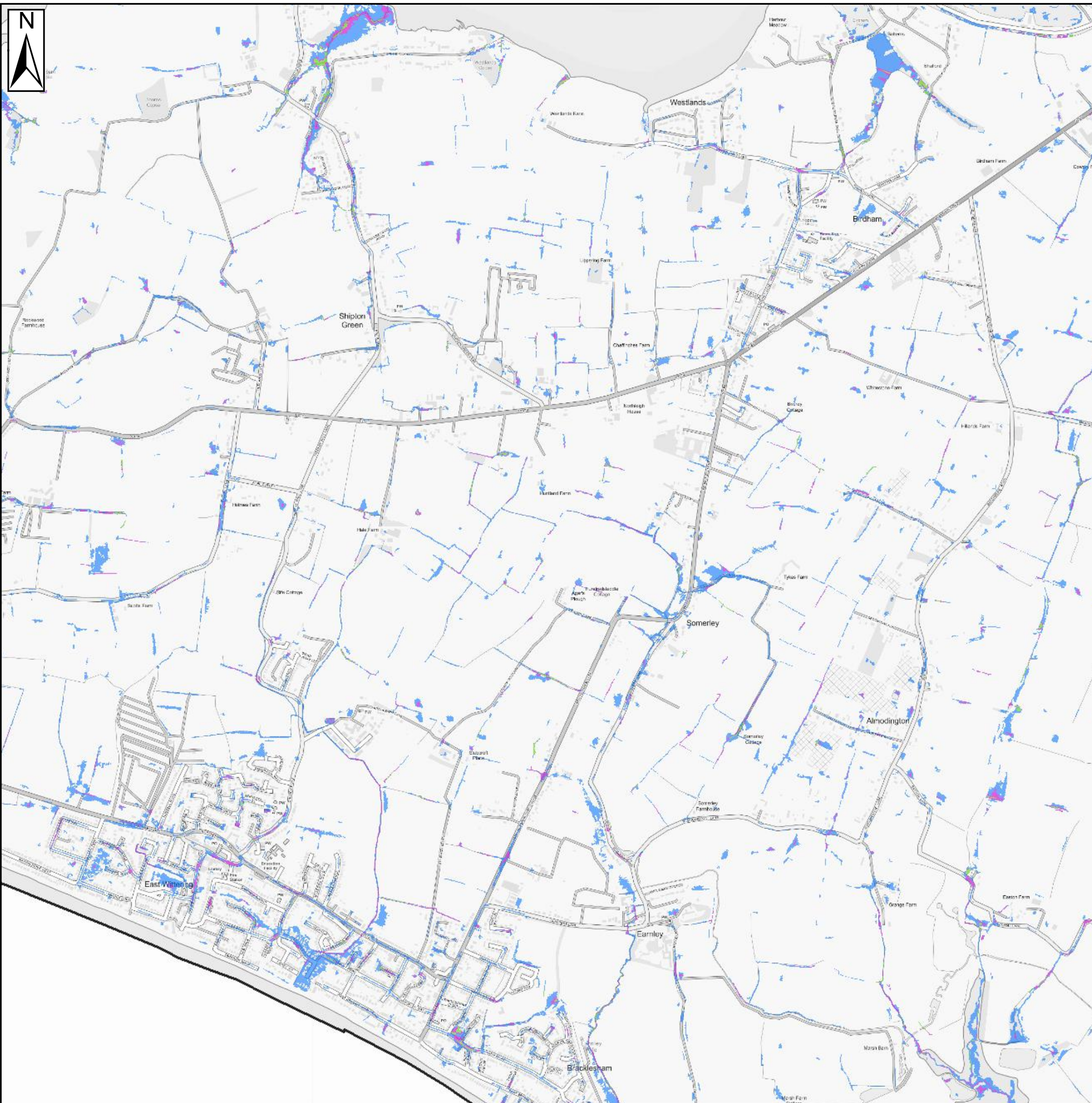


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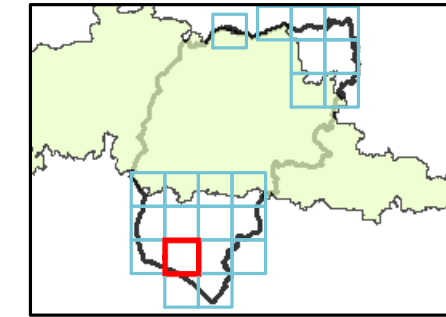
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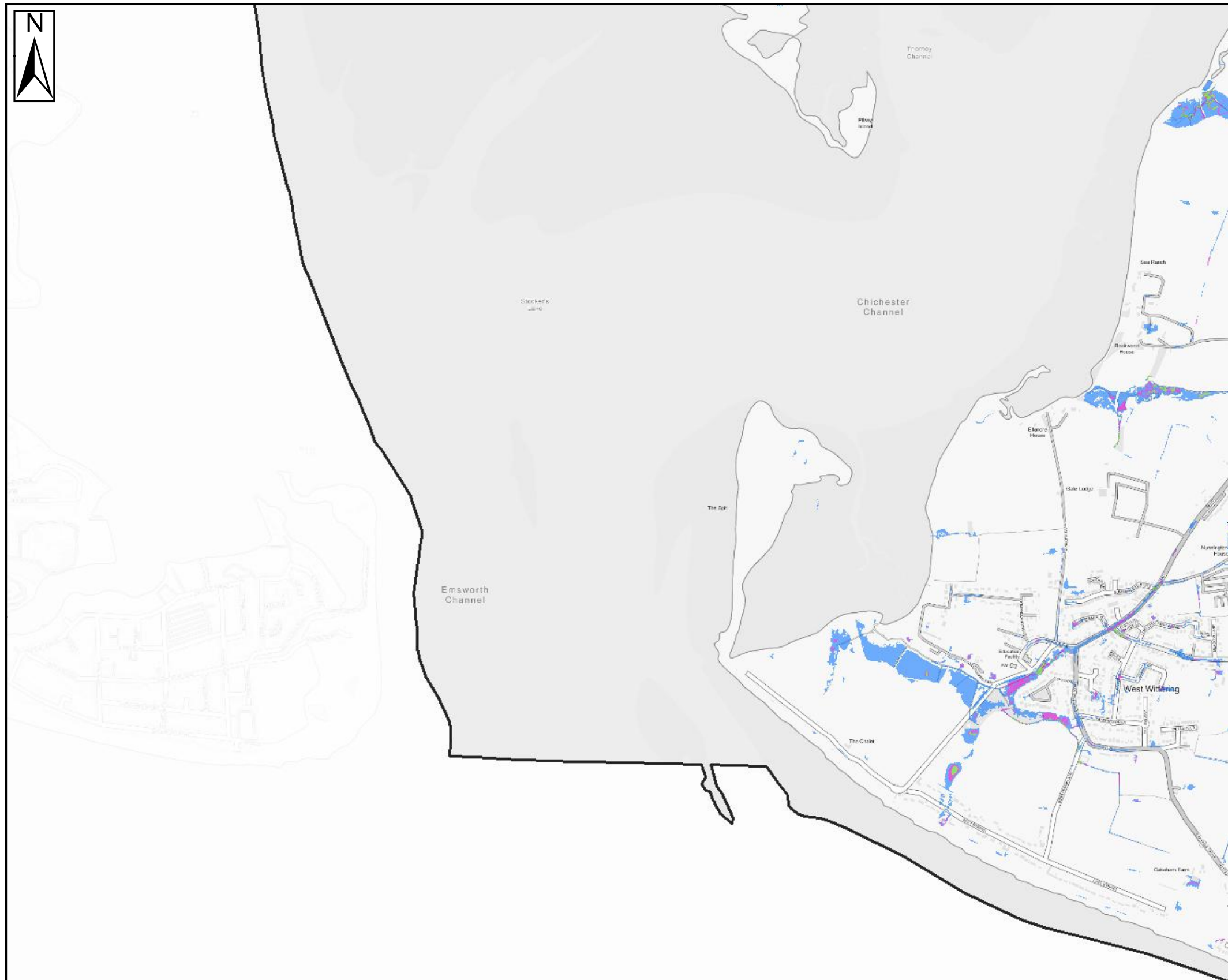


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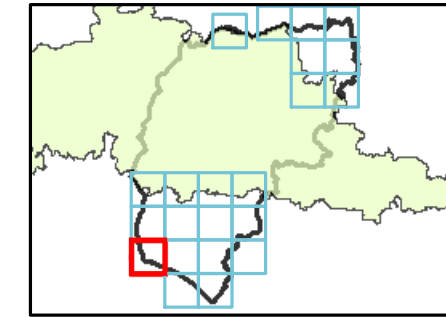
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Chichester District

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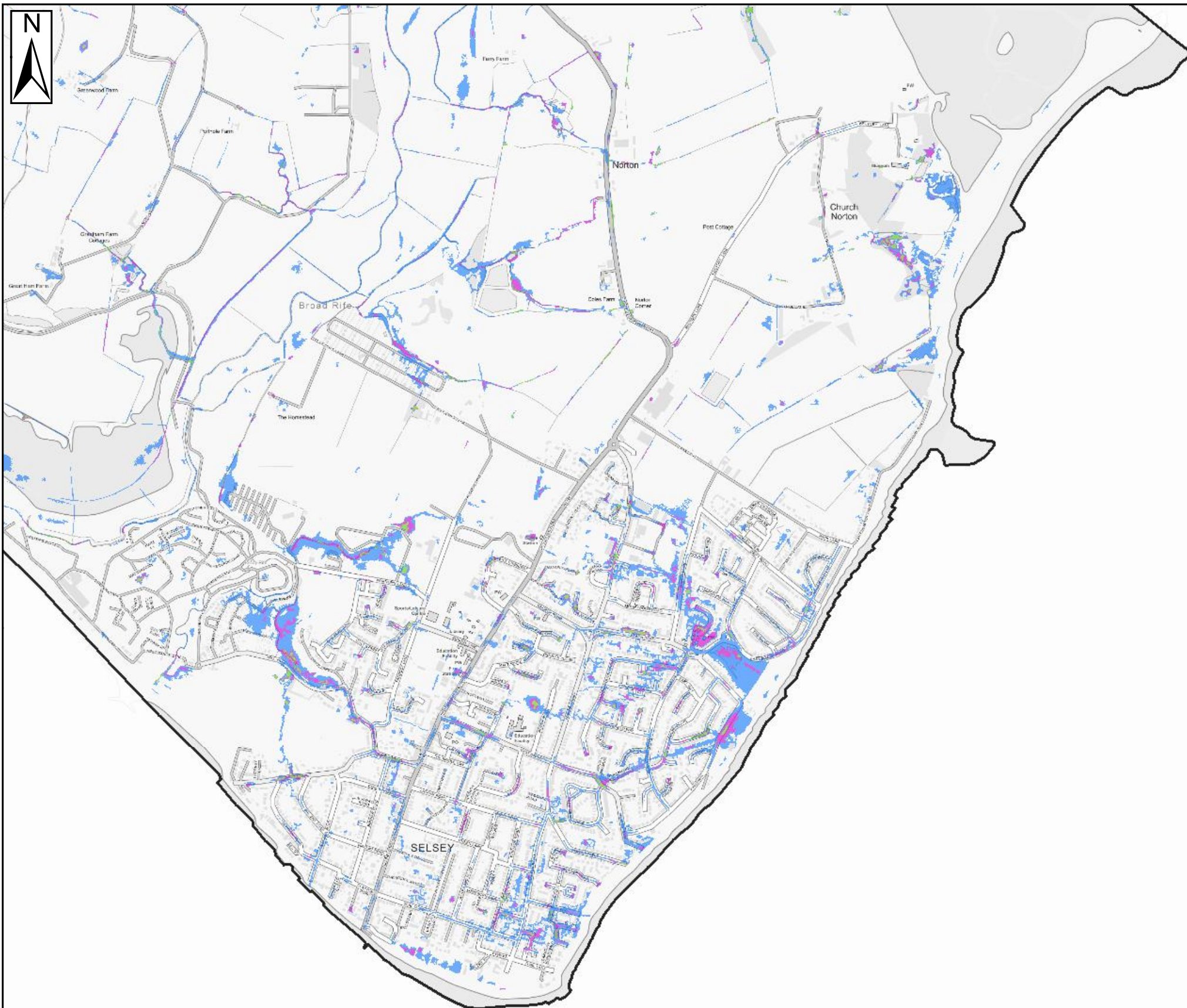


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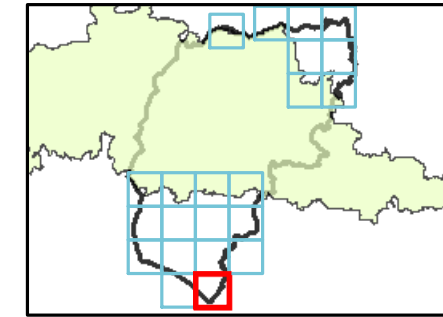
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Key Plan



Legend

□ Chichester District

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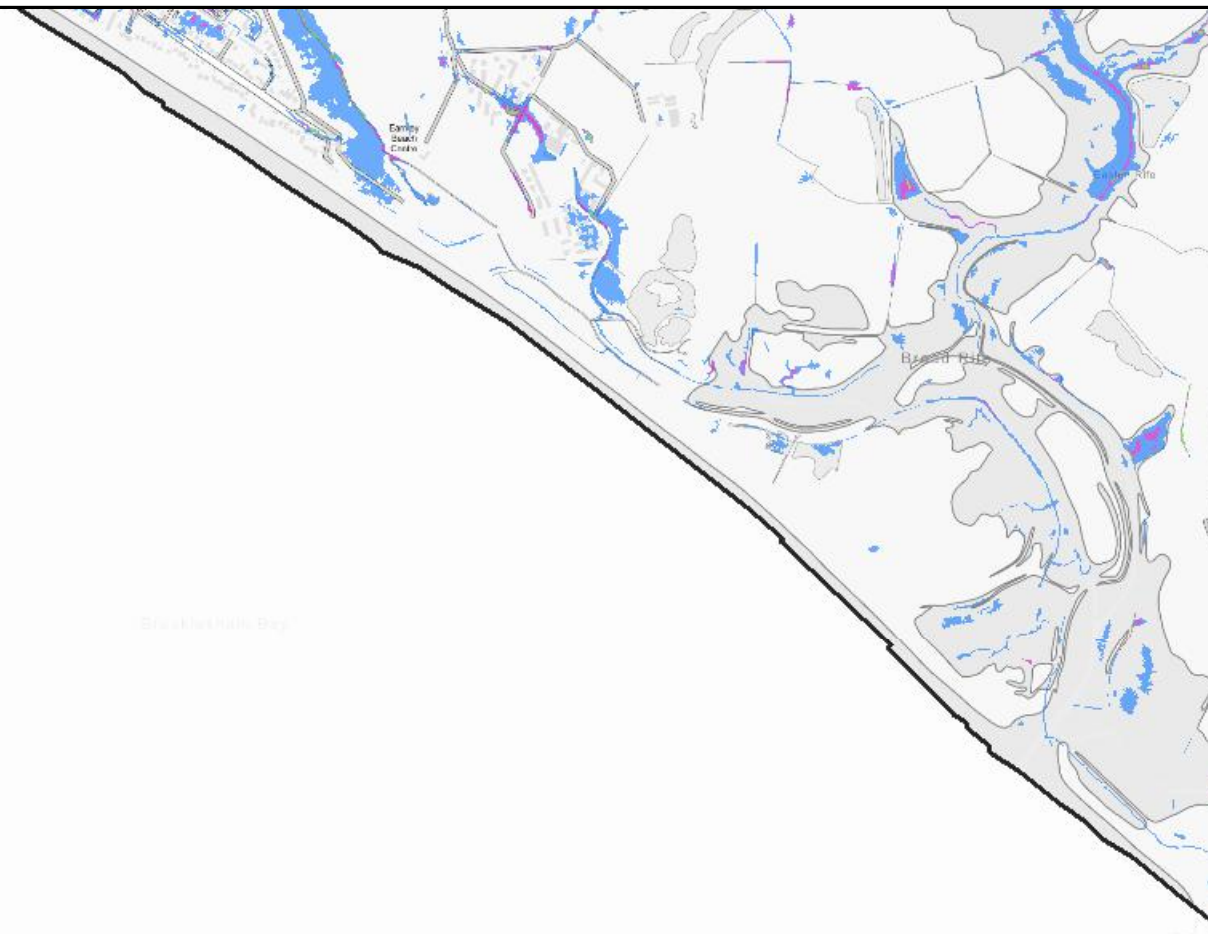


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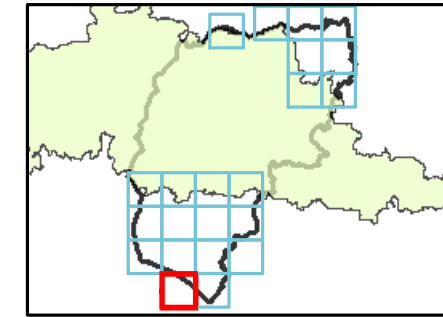
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SFRA: APPENDIX F - RISK OF FLOODING FROM SURFACE WATER

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Key Plan





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