Sunnica Energy Farm Environmental Statement Appendix 9C Flood Risk Assessment



Annex C – Flood Risk Mapping



Flood map for planning

Your reference Location (easting/northing) Created

Sunnica 565810/270478 11 Dec 2019 12:09

Your selected location is in flood zone 3, an area with a high probability of flooding.

This means:

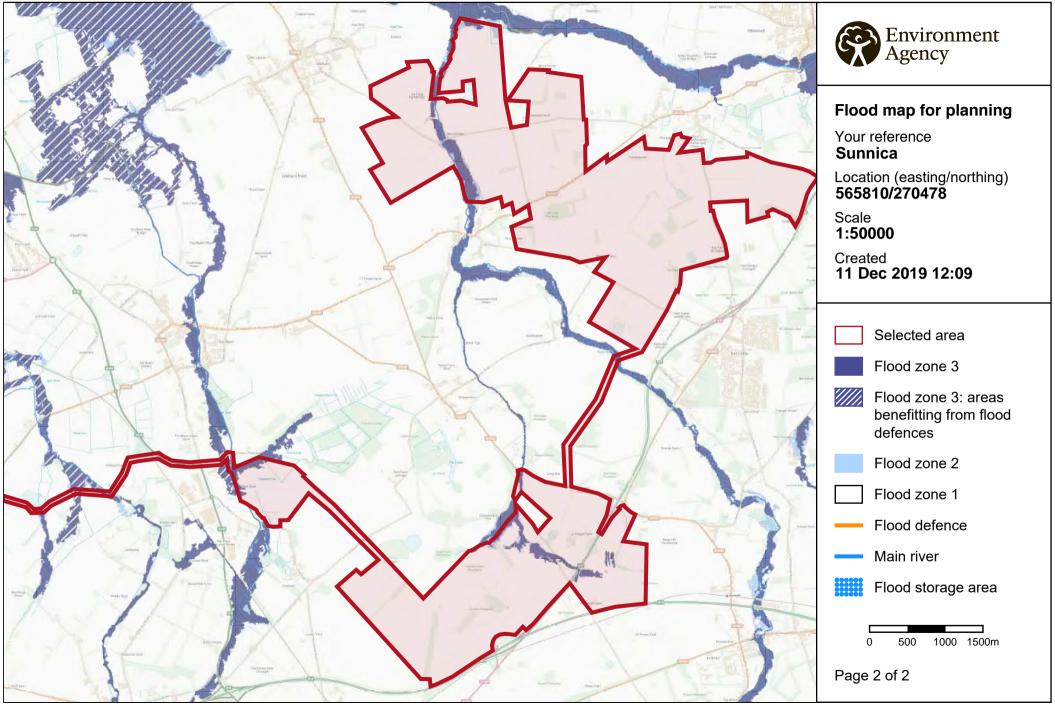
- you must complete a flood risk assessment for development in this area
- you should follow the Environment Agency's standing advice for carrying out a flood risk assessment (see www.gov.uk/guidance/flood-risk-assessment-standing-advice)

Notes

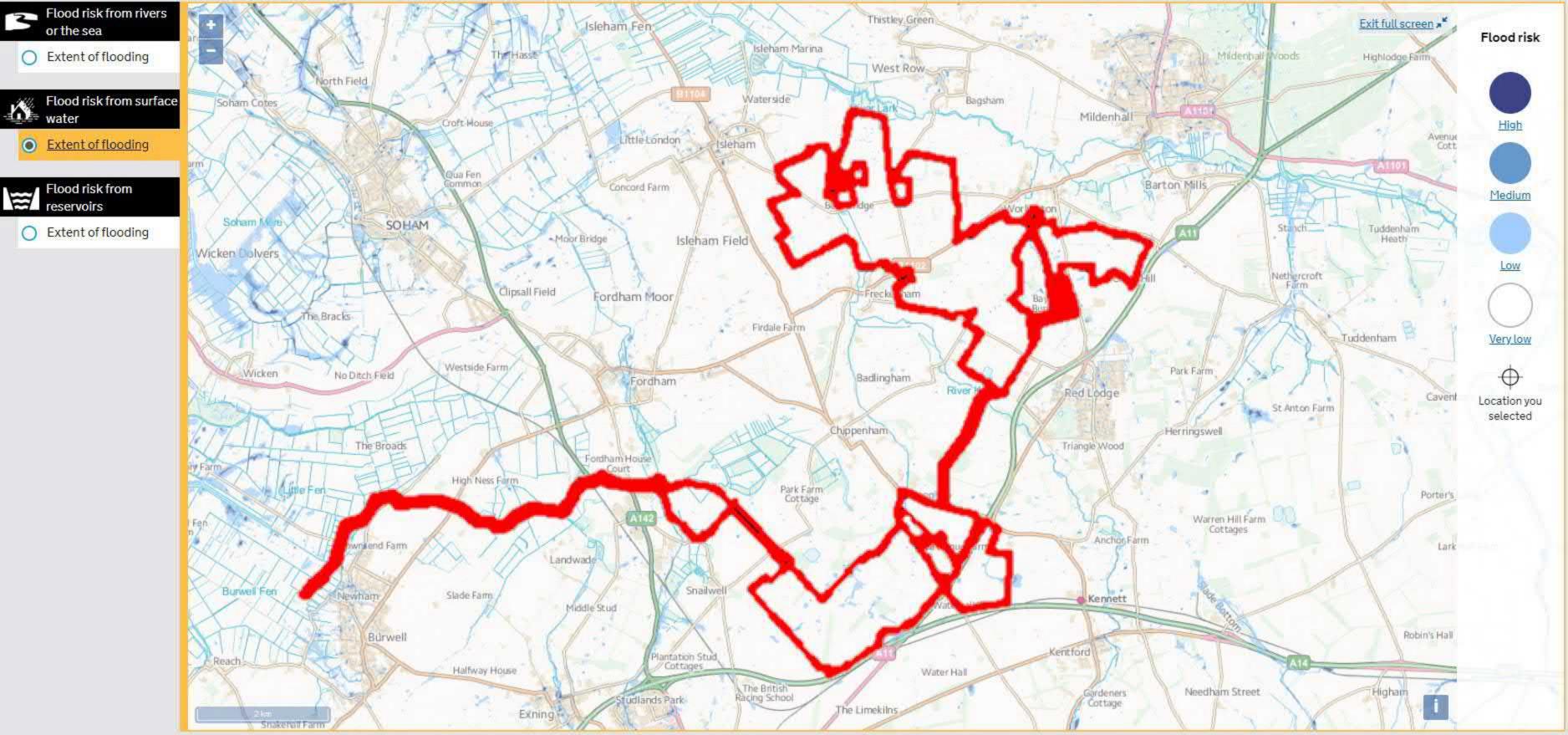
The flood map for planning shows river and sea flooding data only. It doesn't include other sources of flooding. It is for use in development planning and flood risk assessments.

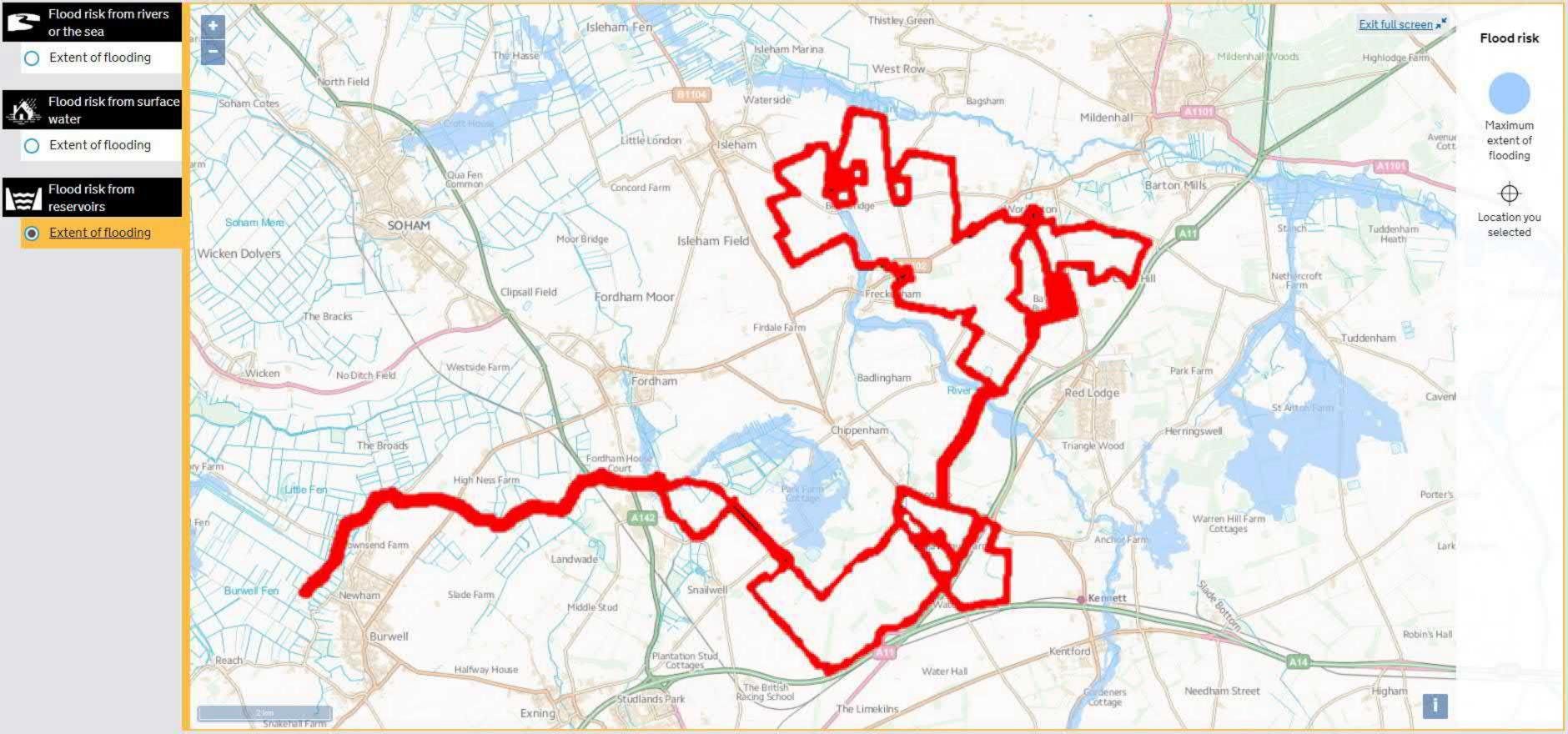
This information relates to the selected location and is not specific to any property within it. The map is updated regularly and is correct at the time of printing.

The Open Government Licence sets out the terms and conditions for using government data. https://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/

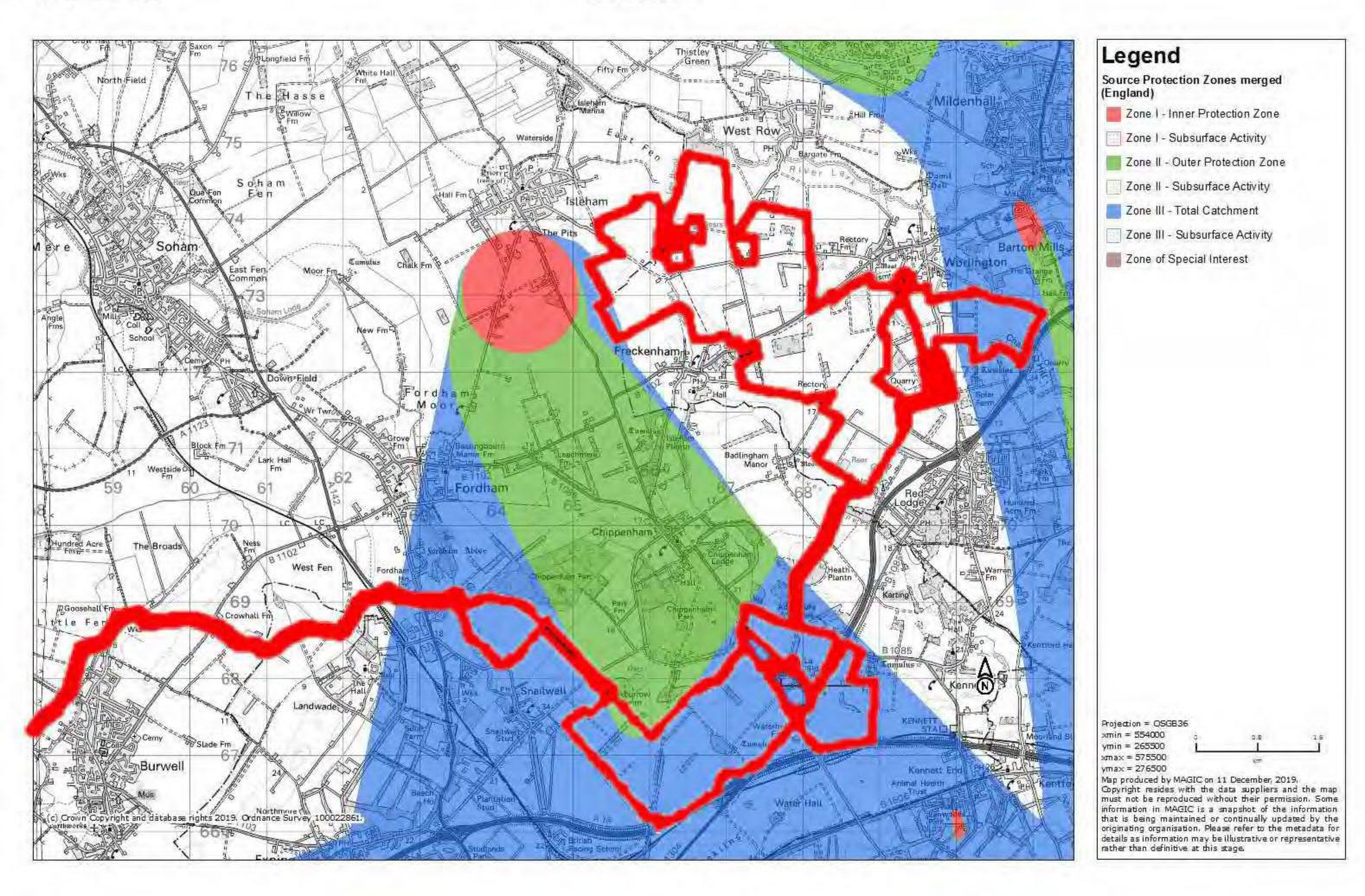


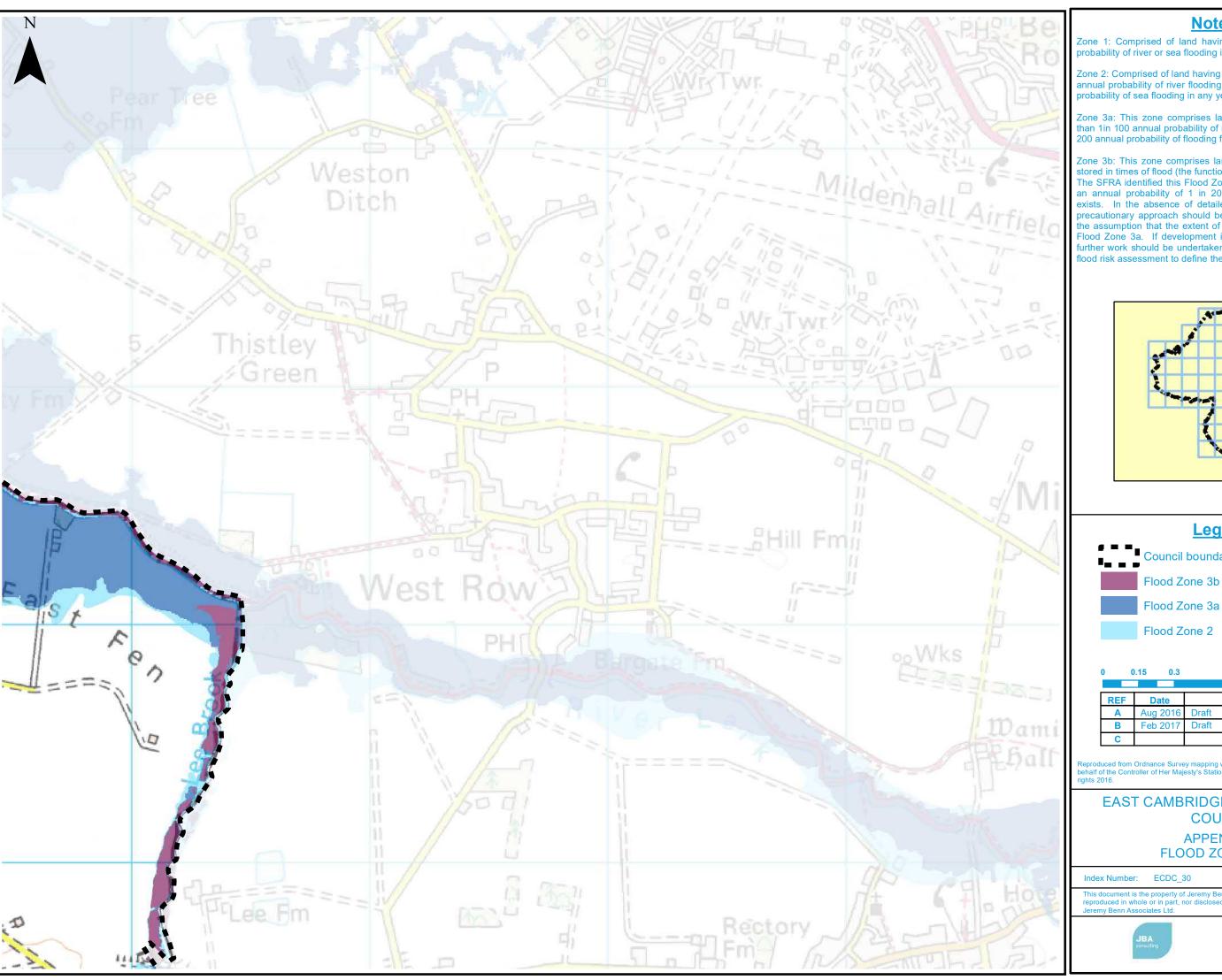
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Sunnica





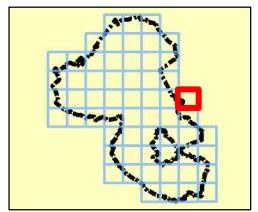
Zone 1: Comprised of land having a less than 1 in 1,000 annual probability of river or sea flooding in any year.

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.

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

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. In the absence of detailed hydraulic model information, a precautionary approach should be adopted for Flood Zone 3b with the assumption that the extent of Flood Zone 3b would be equal to Flood Zone 3a. If development is shown to be in Flood Zone 3a, further work should be undertaken as part of a detailed site specific flood risk assessment to define the extent of Flood Zone 3b.





■ Council boundary

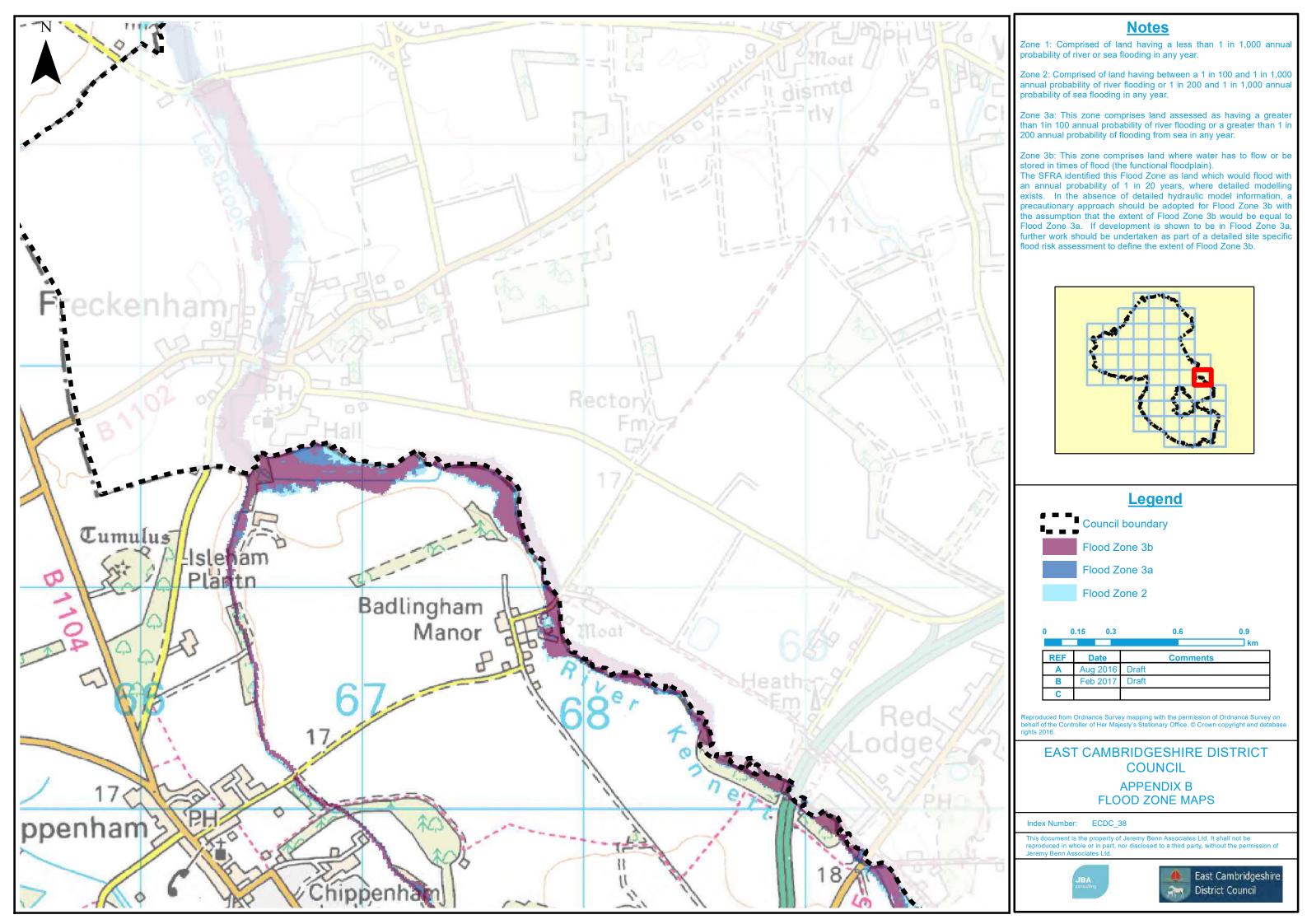
Flood Zone 2

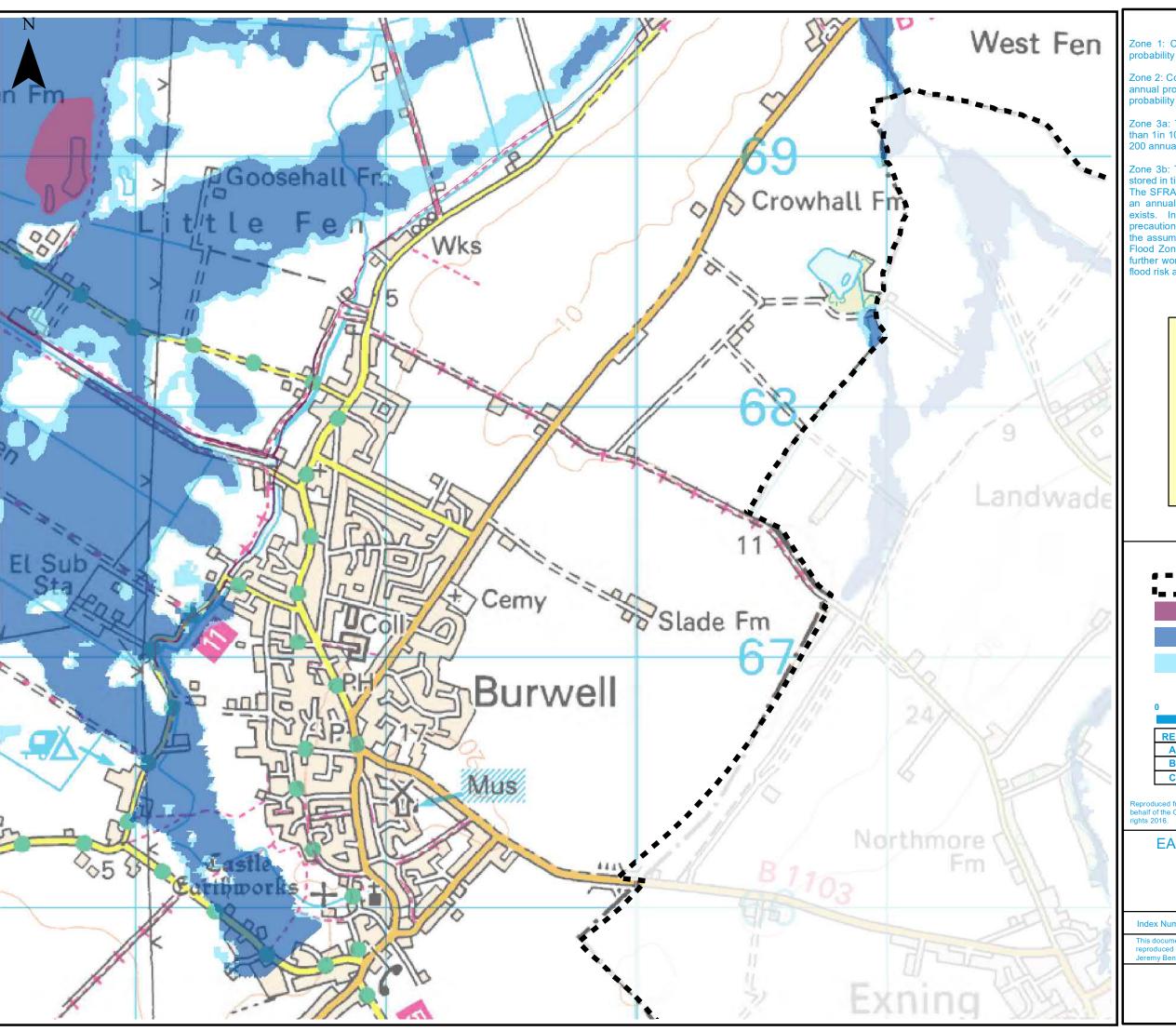
Feb 2017 Draft

EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX B FLOOD ZONE MAPS







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

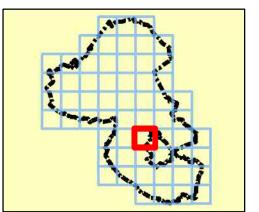
Zone 2: Comprised of land having between a 1 in 100 and 1 in 1,000 annual probability of river flooding or 1 in 200 and 1 in 1,000 annual probability of sea flooding in any year.

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Council boundary

Flood Zone 3b

Flood Zone 3a

Flood Zone 2

0	0.15	0.3		0.6	0.9 km
REF	D	ate		Commen	ts
Α			Draft		
В	Feb	2017	Draft		
С					

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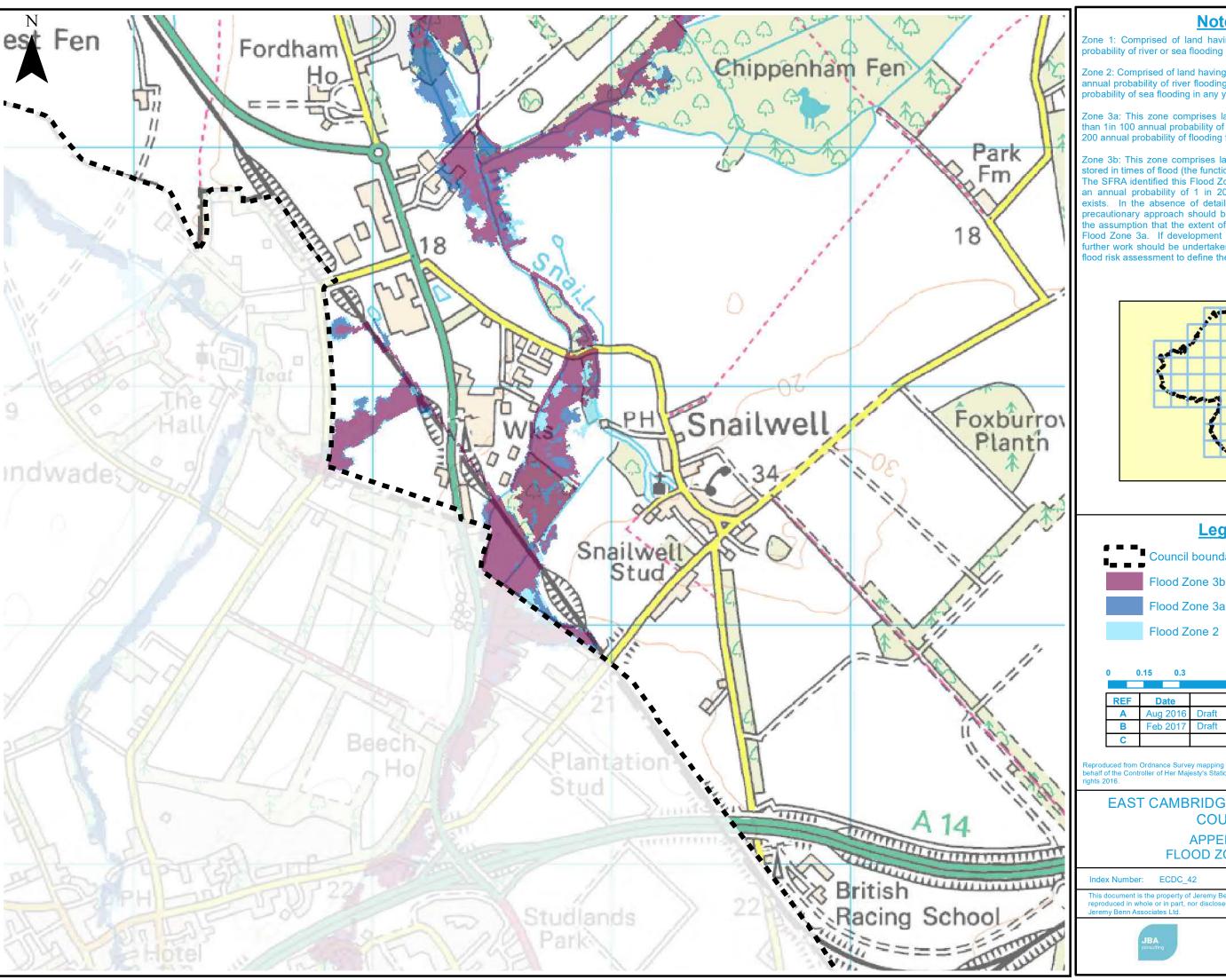
EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX B FLOOD ZONE MAPS

Index Number: ECDC_41







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

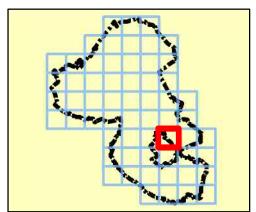
Zone 2: Comprised of land having between a 1 in 100 and 1 in 1,000 annual probability of river flooding or 1 in 200 and 1 in 1,000 annual probability of sea flooding in any year.

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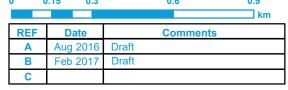




Council boundary

Flood Zone 3a

Flood Zone 2



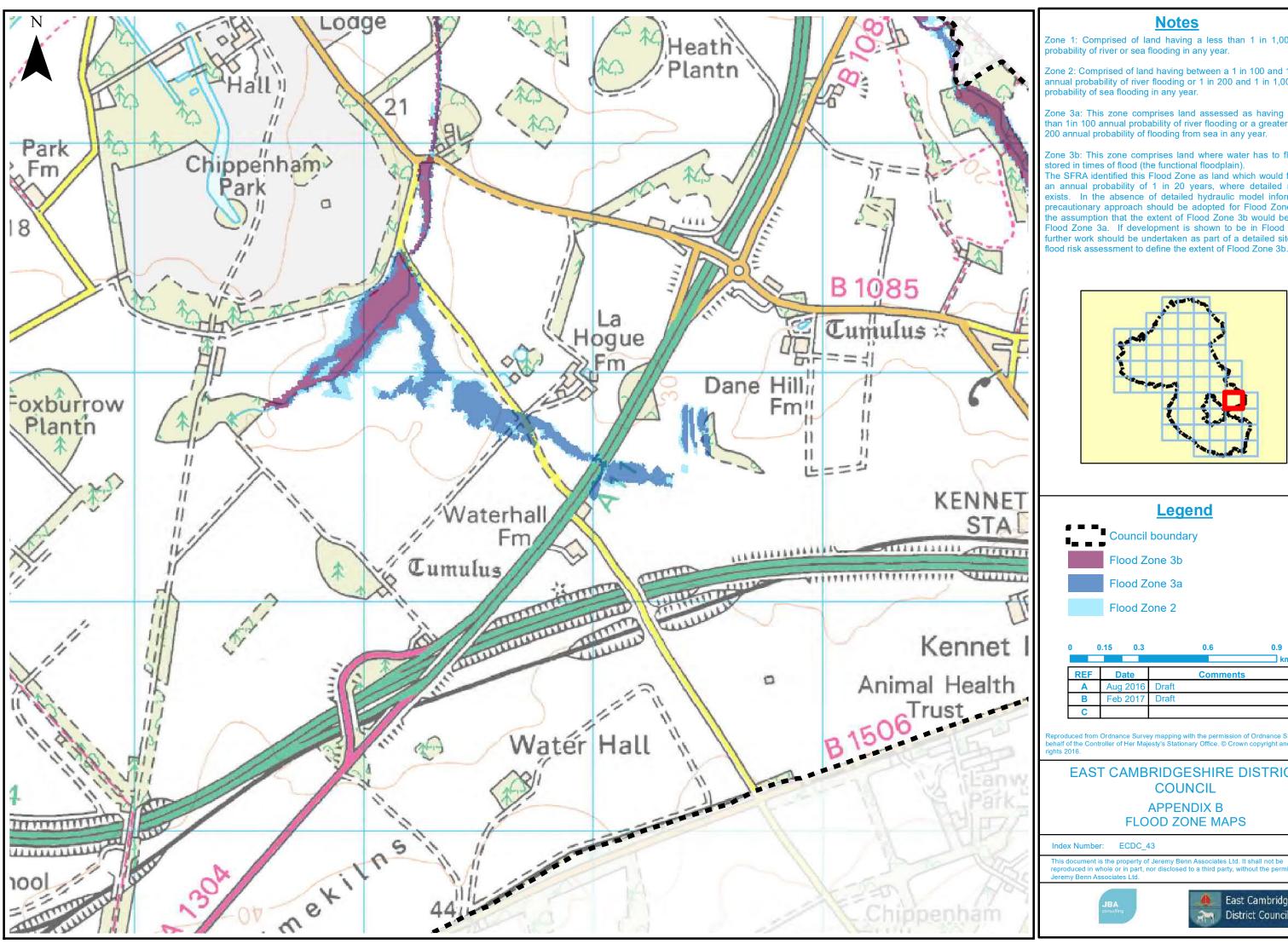
EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX B FLOOD ZONE MAPS

ECDC 42







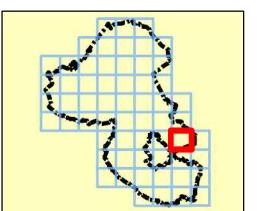
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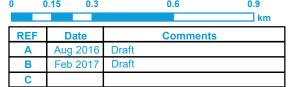
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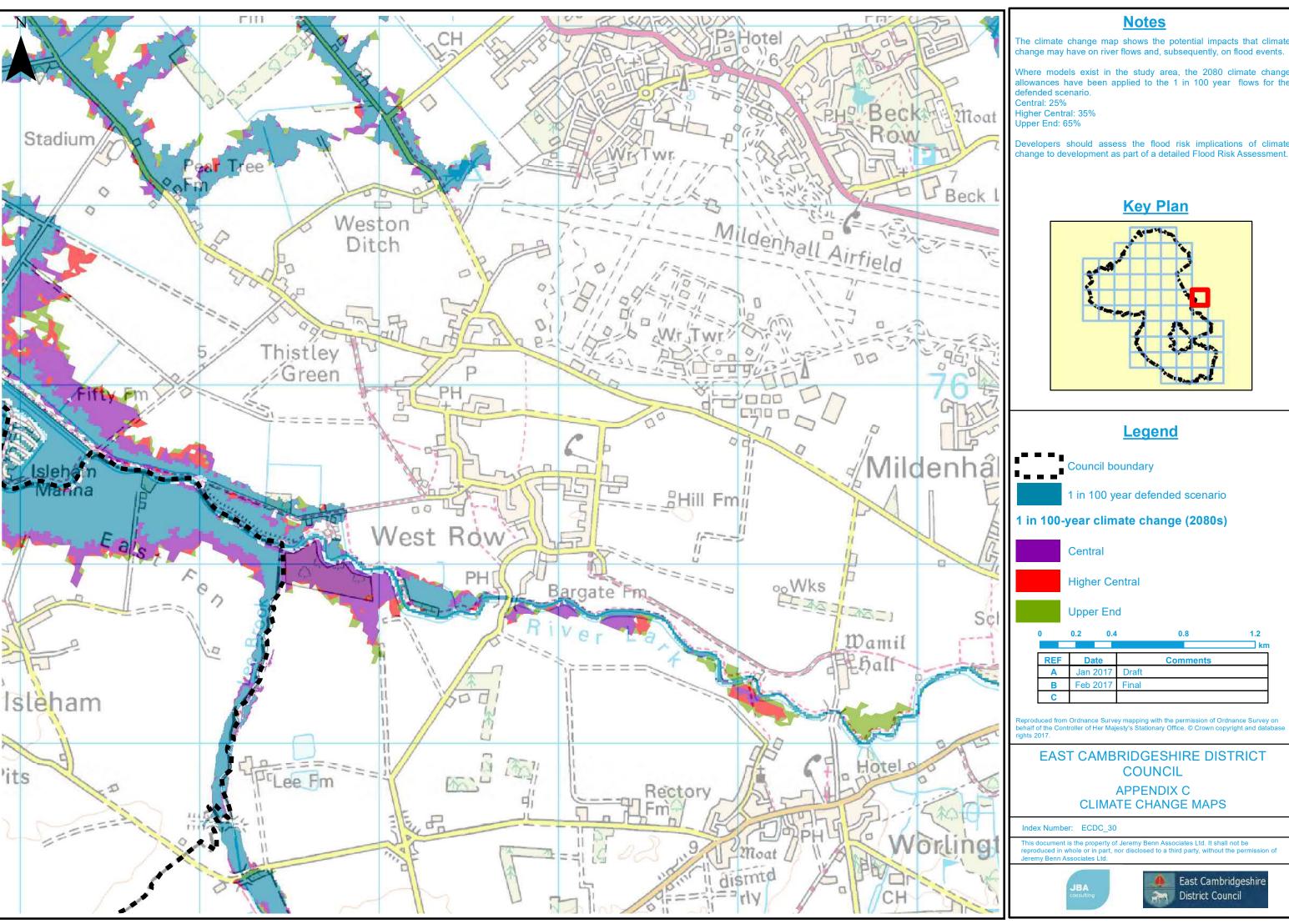




EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX B **FLOOD ZONE MAPS**





The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events.

Where models exist in the study area, the 2080 climate change allowances have been applied to the 1 in 100 year flows for the

Developers should assess the flood risk implications of climate



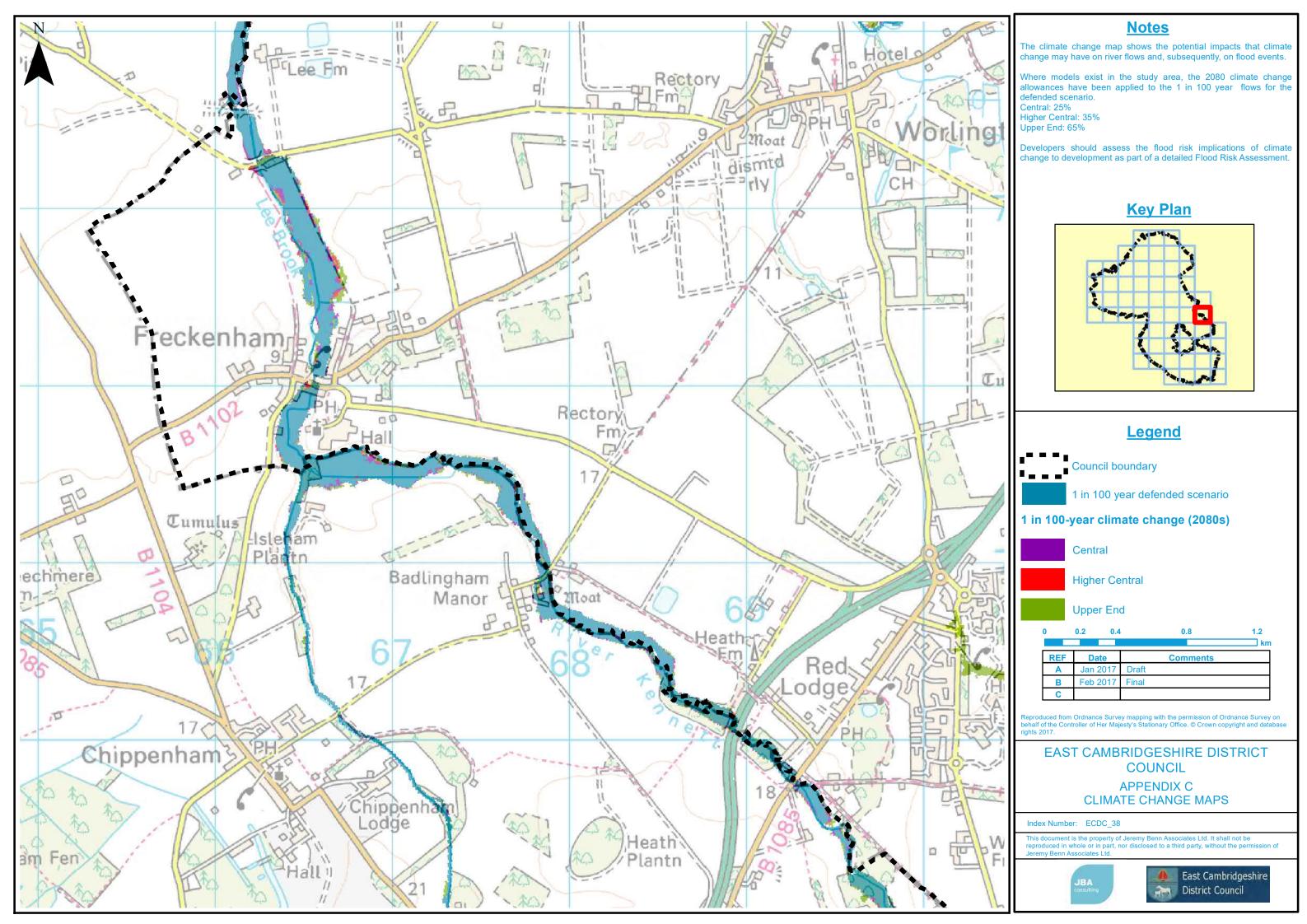
1 in 100 year defended scenario

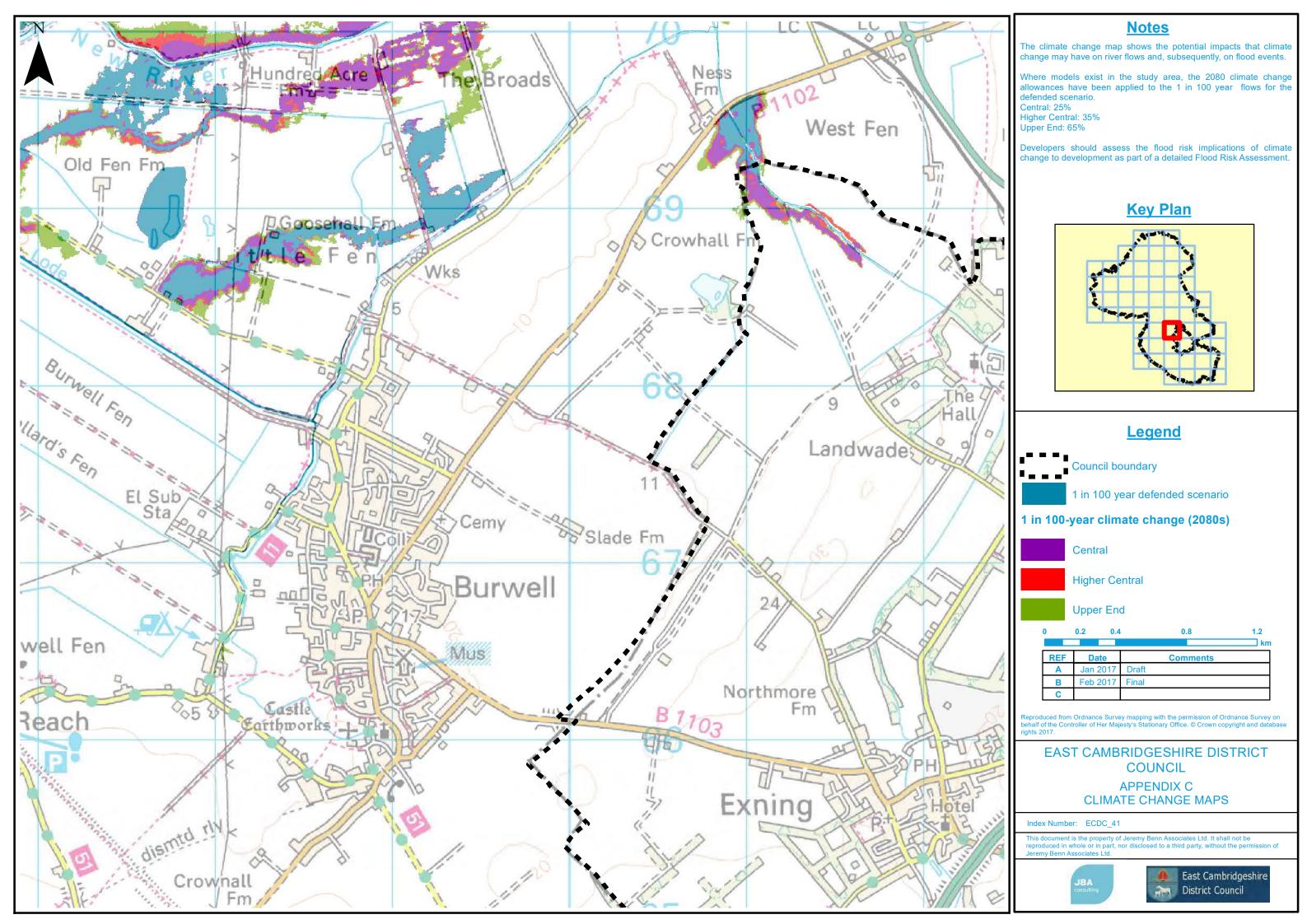
_		0.2 0.4		0.8	1.2
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R	EF	Date		Comments	
	Α	Jan 2017	Draft		
	В	Feb 2017	Final		
	С				

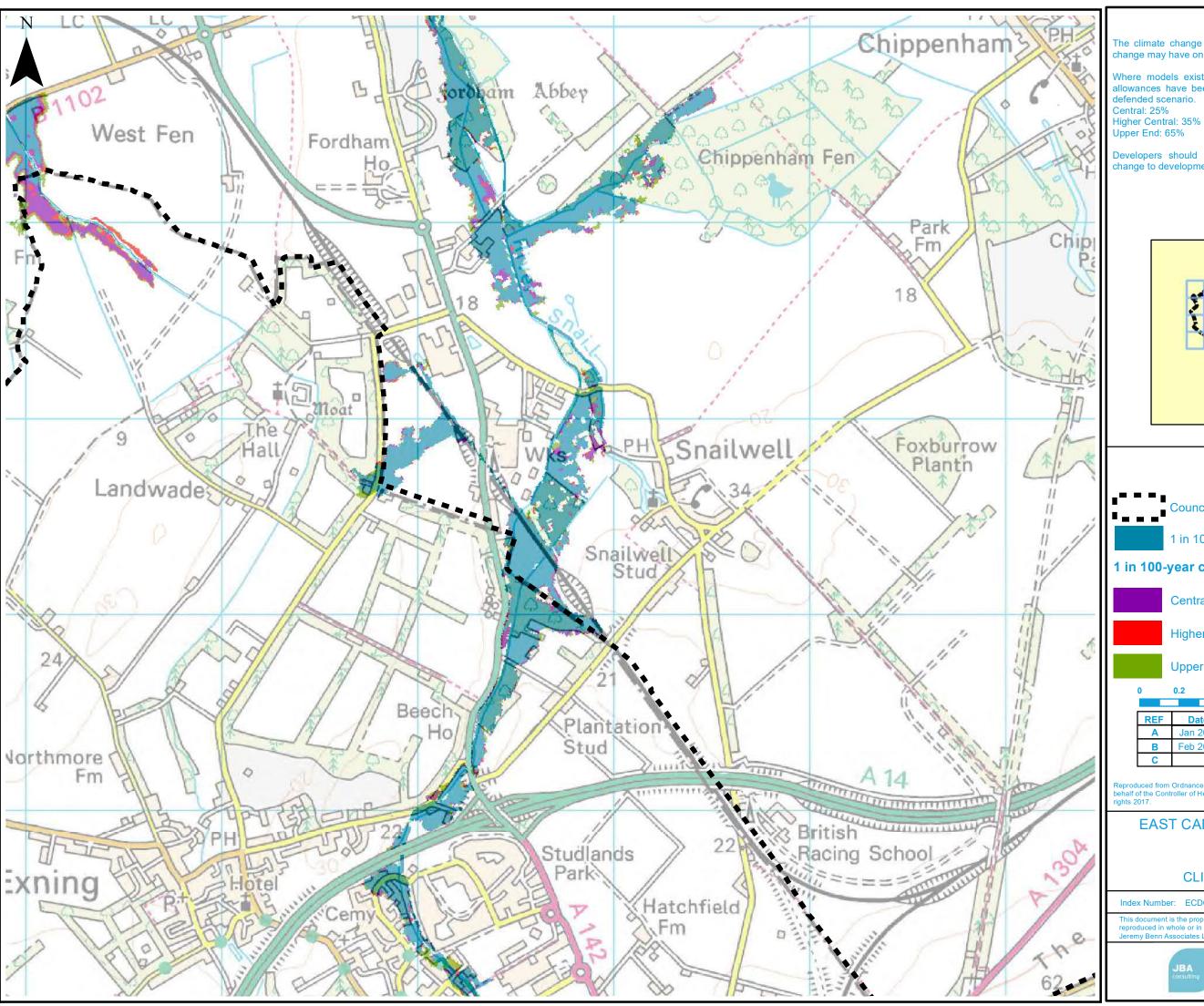
EAST CAMBRIDGESHIRE DISTRICT

CLIMATE CHANGE MAPS







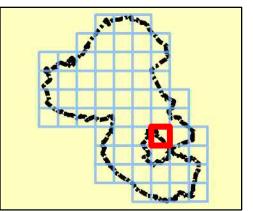


The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events.

Where models exist in the study area, the 2080 climate change allowances have been applied to the 1 in 100 year flows for the

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend



1 in 100 year defended scenario

1 in 100-year climate change (2080s)

Central

Higher Central

Upper End

		kr
REF	Date	Comments
Α	Jan 2017	Draft
В	Feb 2017	Final
С		

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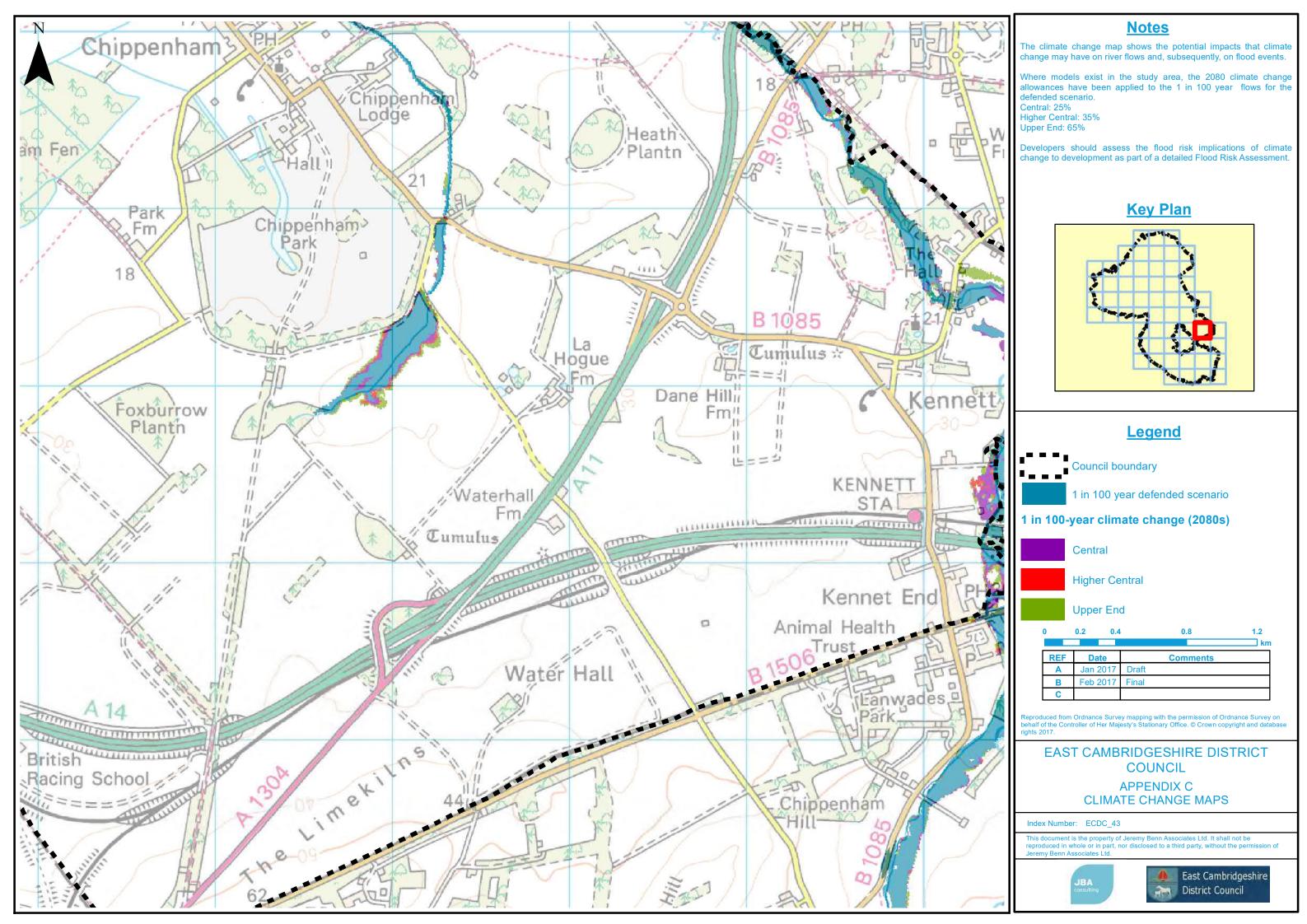
EAST CAMBRIDGESHIRE DISTRICT COUNCIL

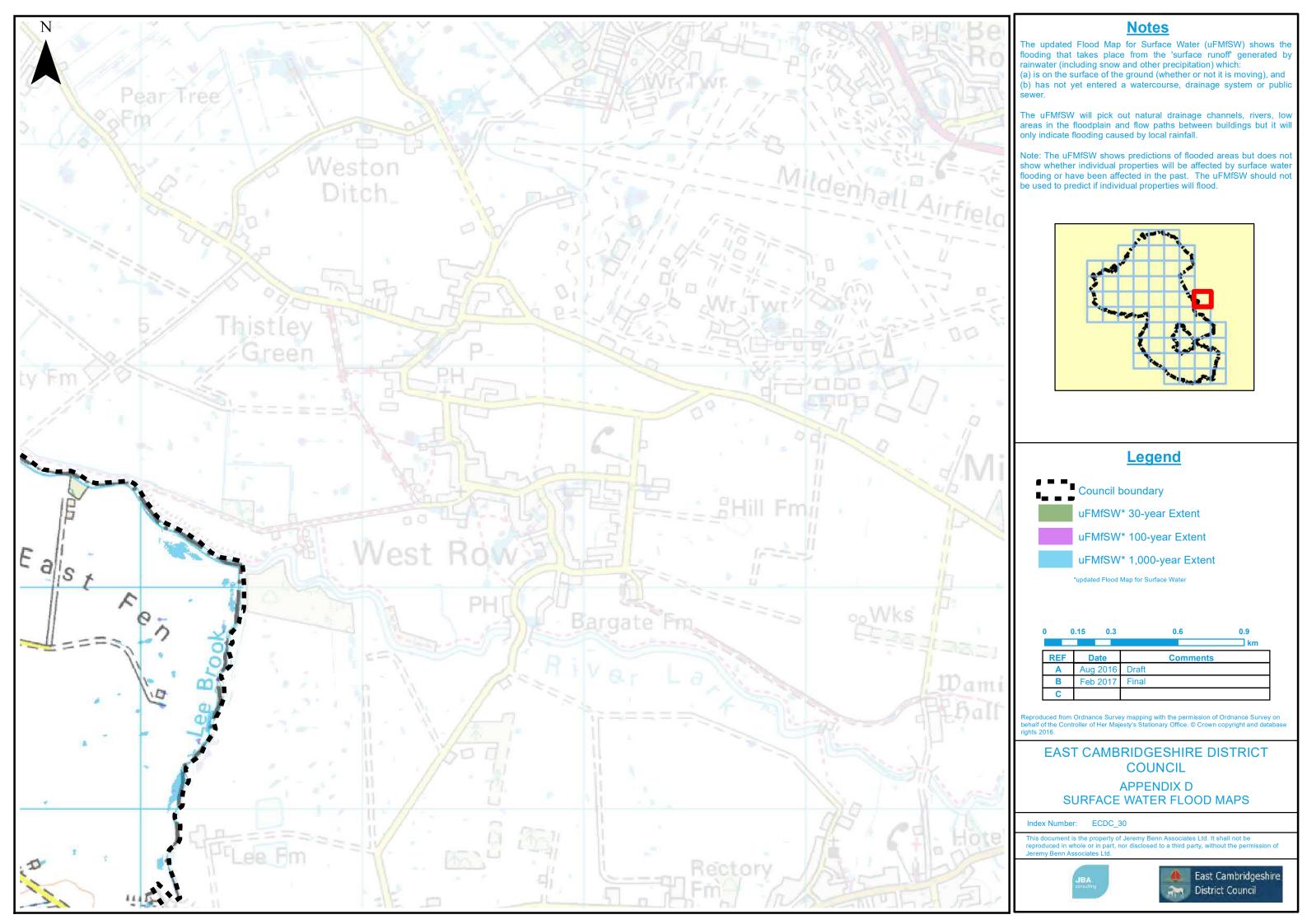
APPENDIX C **CLIMATE CHANGE MAPS**

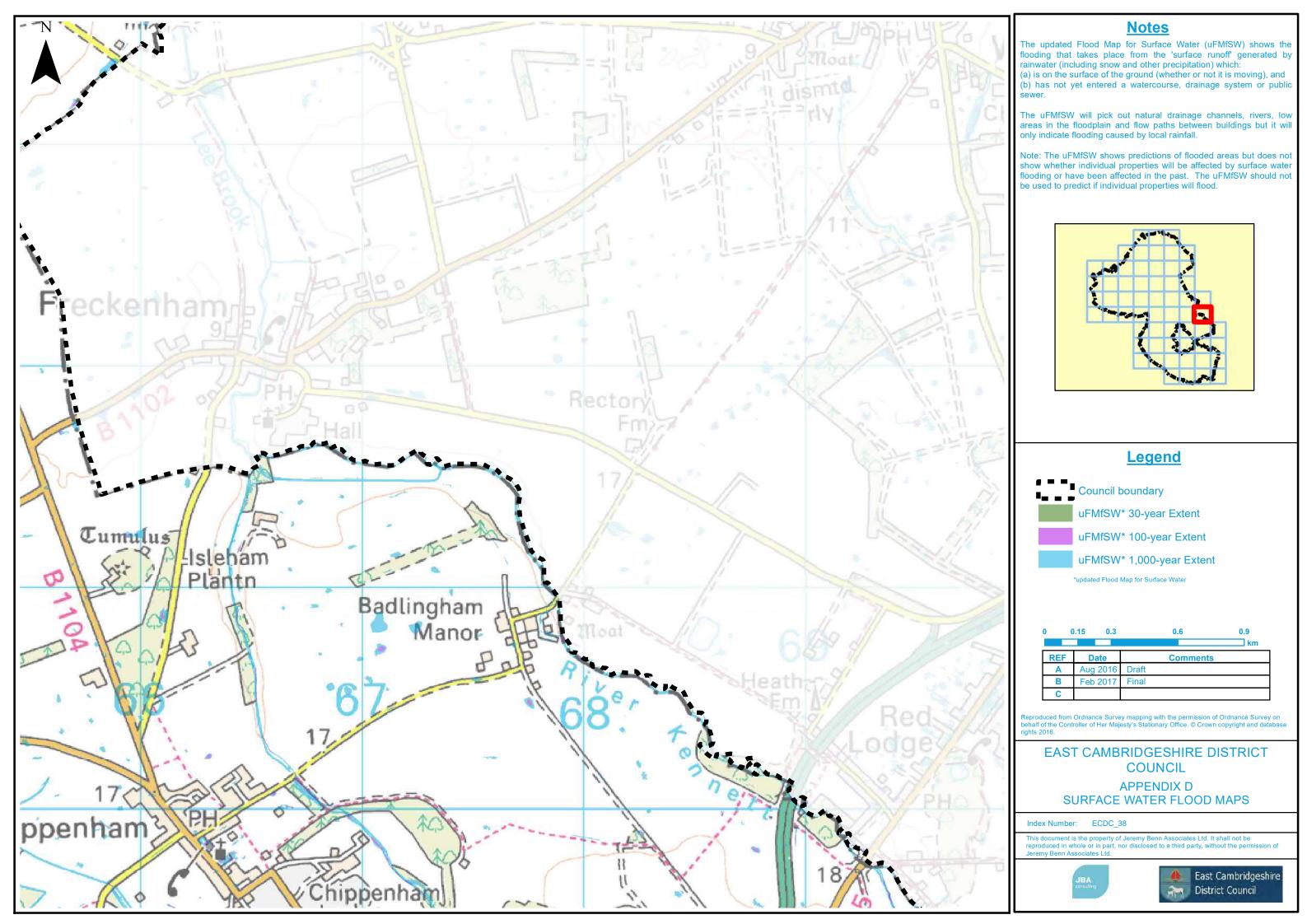
Index Number: ECDC 42

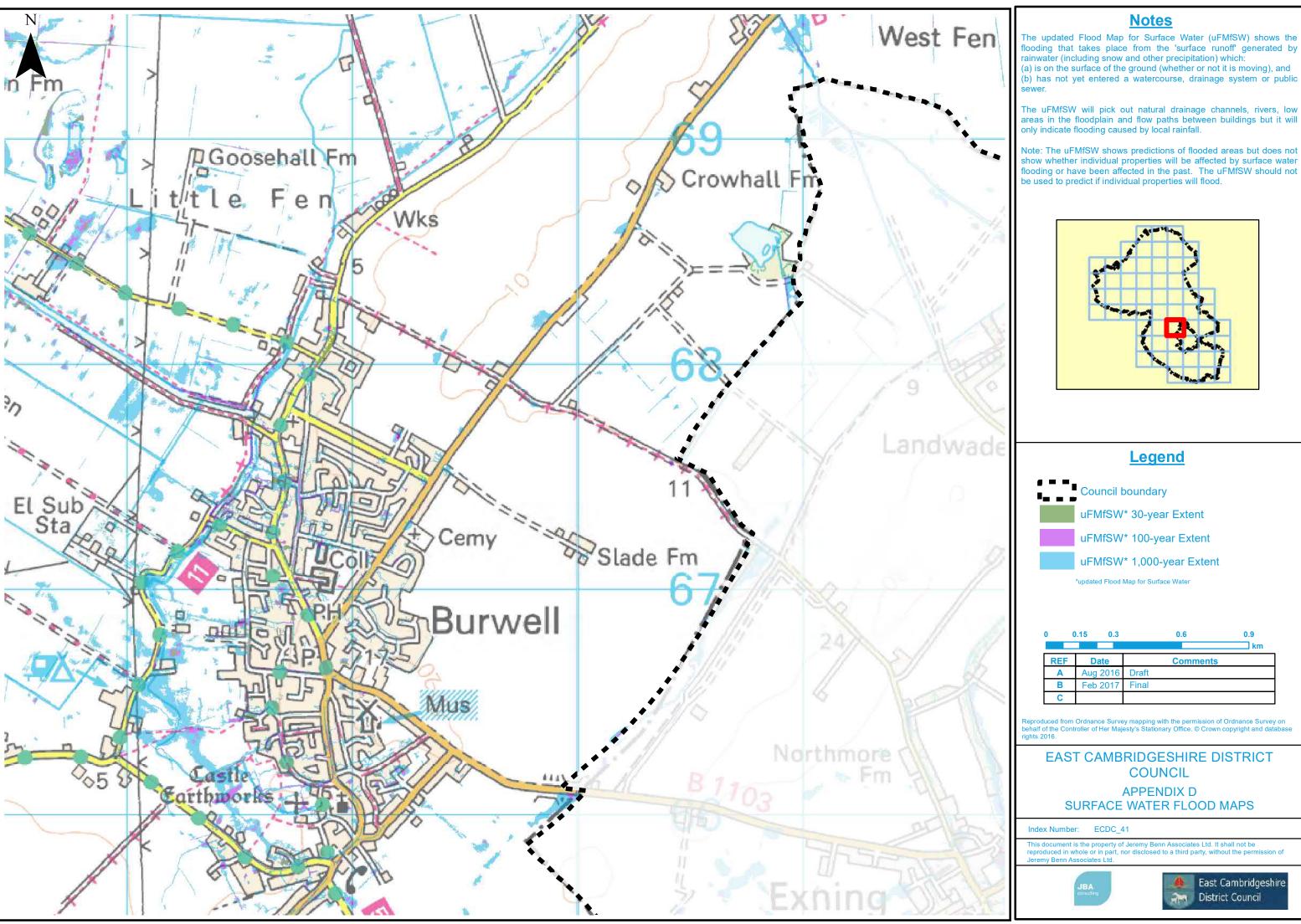




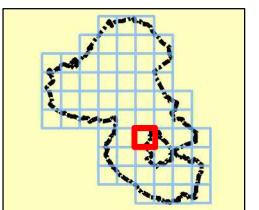


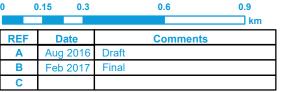






Note: The uFMfSW shows predictions of flooded areas but does not show whether individual properties will be affected by surface water flooding or have been affected in the past. The uFMfSW should not

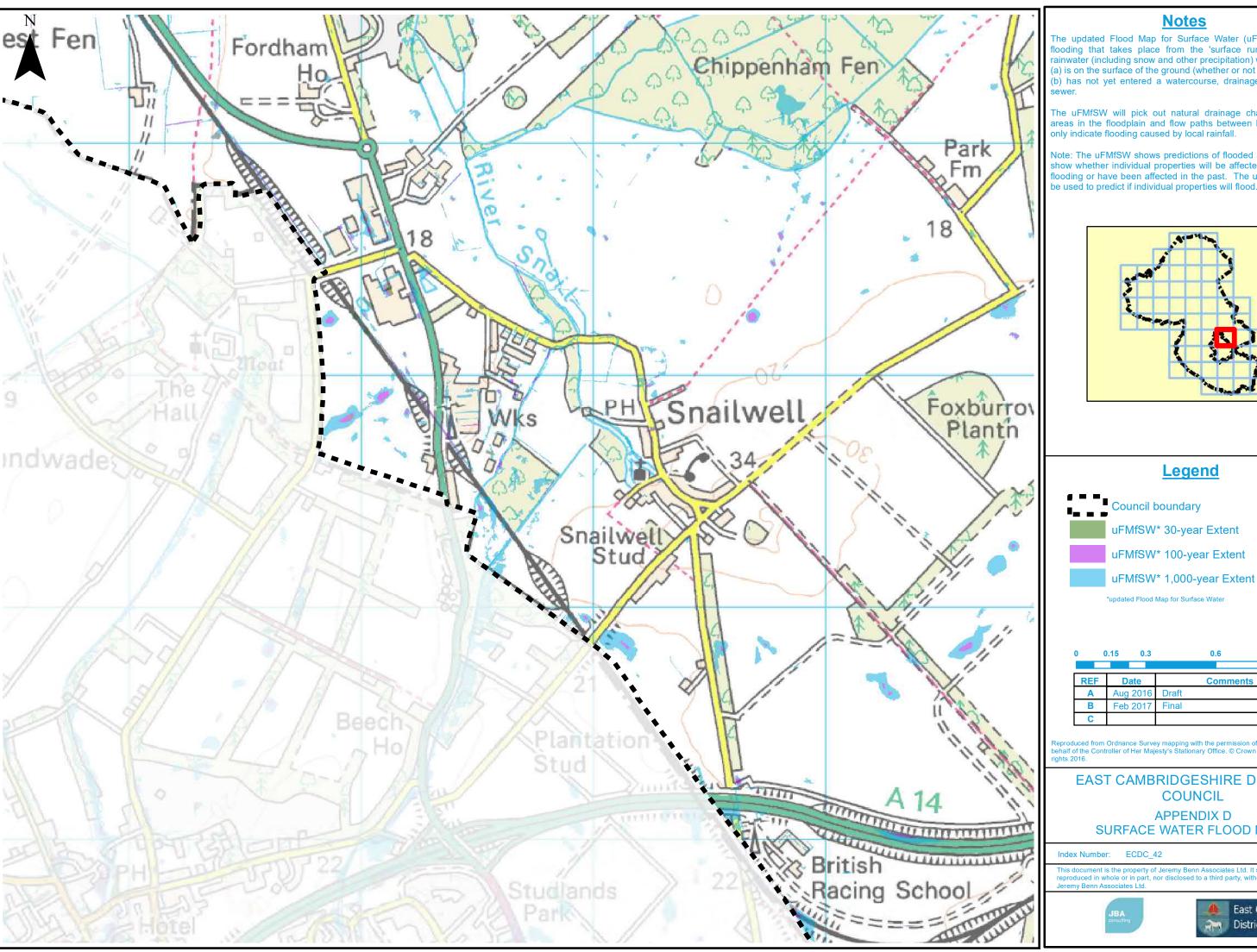




EAST CAMBRIDGESHIRE DISTRICT

SURFACE WATER FLOOD MAPS





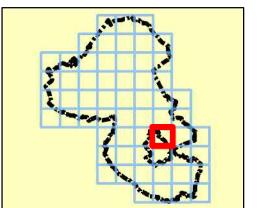
The updated Flood Map for Surface Water (uFMfSW) shows the flooding that takes place from the 'surface runoff' generated by rainwater (including snow and other precipitation) which:

(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

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.



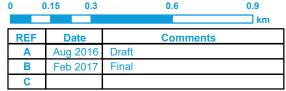
Legend

Council boundary

uFMfSW* 30-year Extent

uFMfSW* 100-year Extent

updated Flood Map for Surface Water

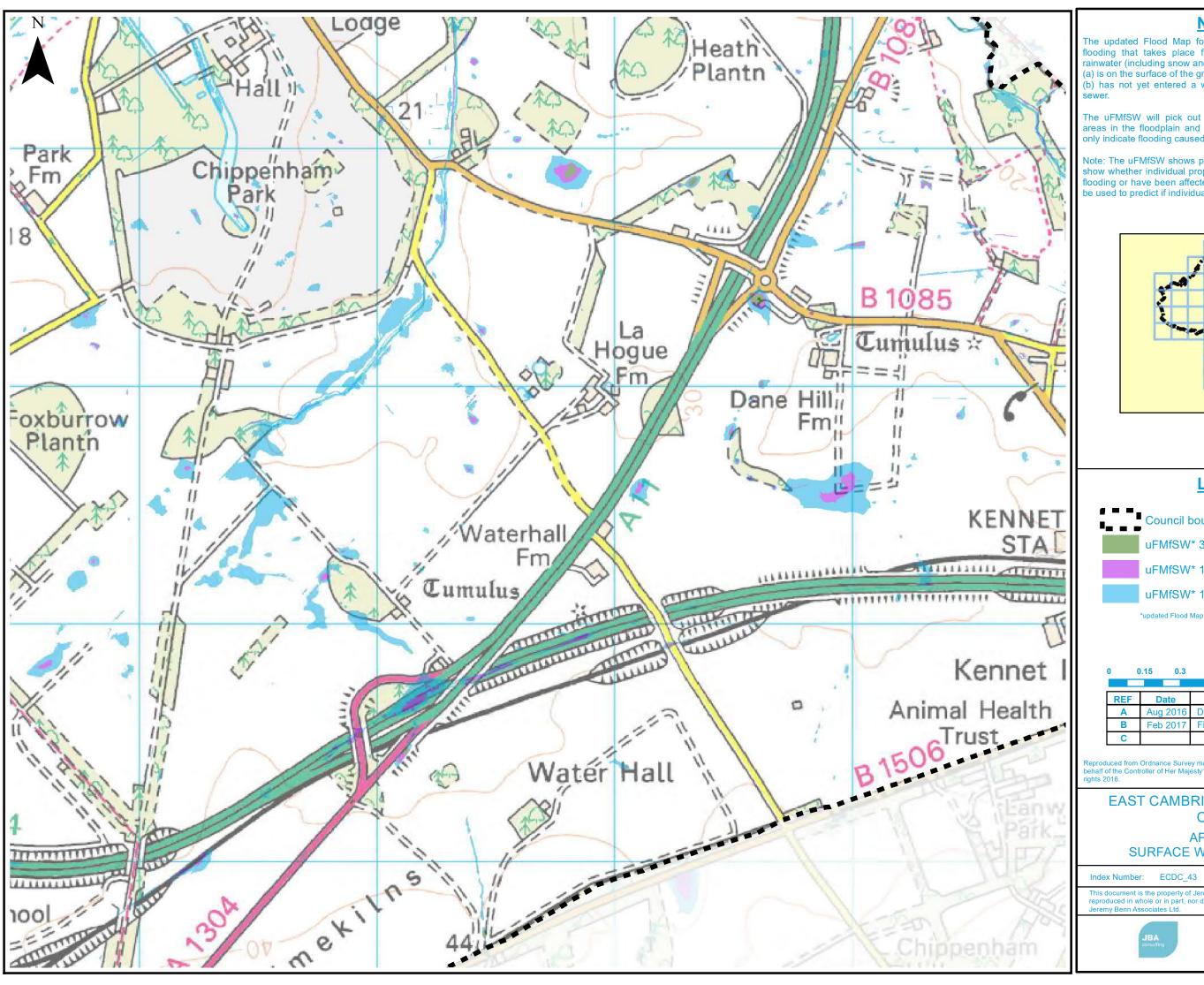


EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX D SURFACE WATER FLOOD MAPS

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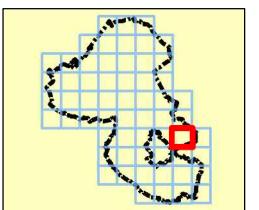


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Legend

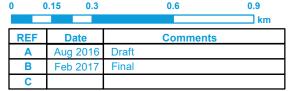
■ Council boundary

uFMfSW* 30-year Extent

uFMfSW* 100-year Extent

uFMfSW* 1,000-year Extent

updated Flood Map for Surface Water

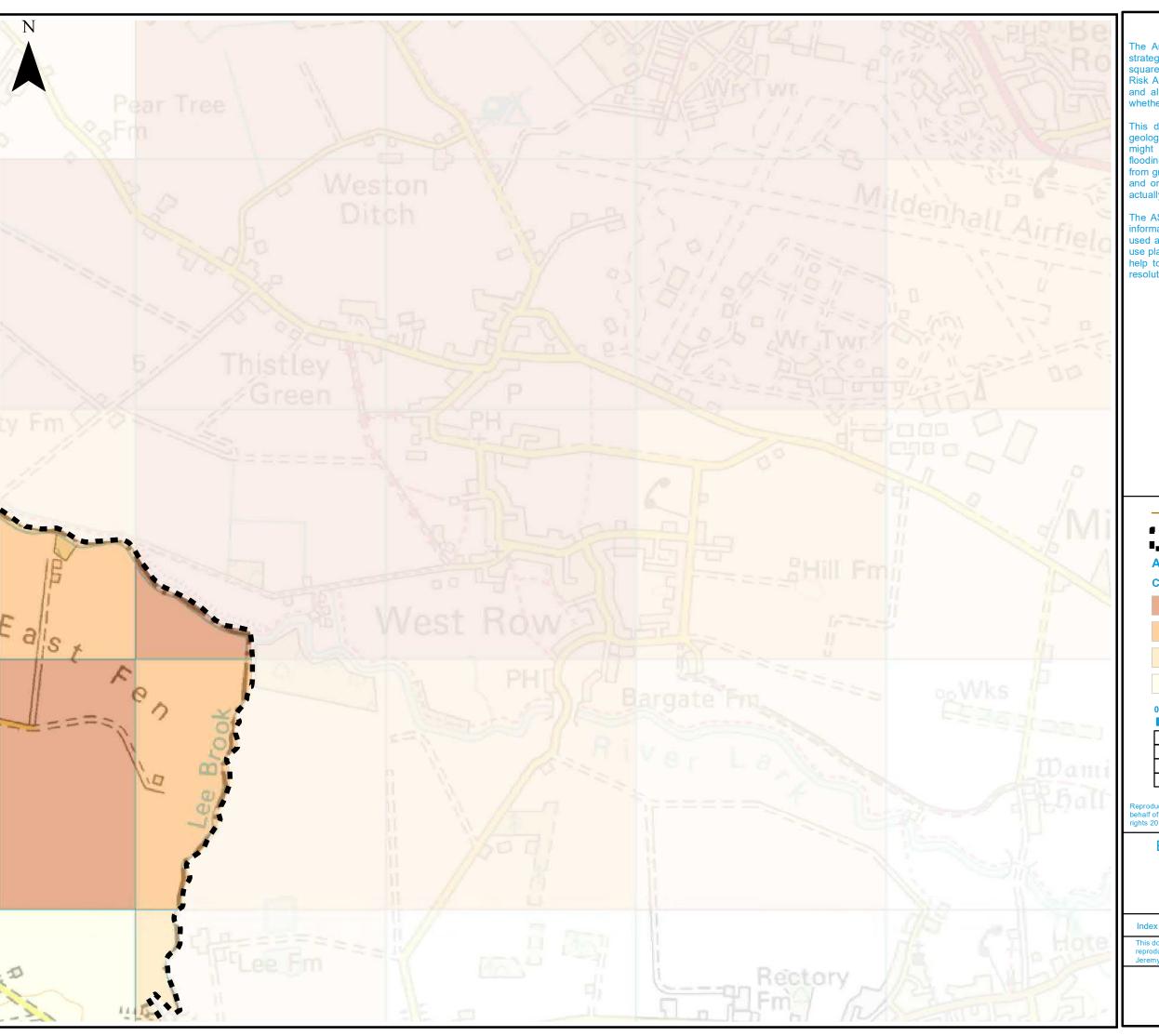


EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX D SURFACE WATER FLOOD MAPS

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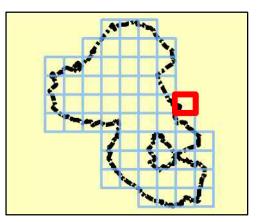




The Areas Susceptible to Groundwater Flooding (AStGWF) is a strategic scale map showing groundwater flood areas on a 1km square grid. The data was produced to annotate indicative Flood Risk Areas for Preliminary Flood Risk Assessment (PFRA) studies and allow the Lead Local Flood Authorities (LLFAs) to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

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 AStGWF 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.







Areas Susceptible to Groundwater Flooding

Classification

≥ 75%

≥ 50% <75%

≥ 25% < 50%

< 25%

0	0.15 0.3	3	0.6	0.9 km
REF	Date		Comments	5
Α	Aug 2016	Draft		
В	Feb 2017	' Final		
С				

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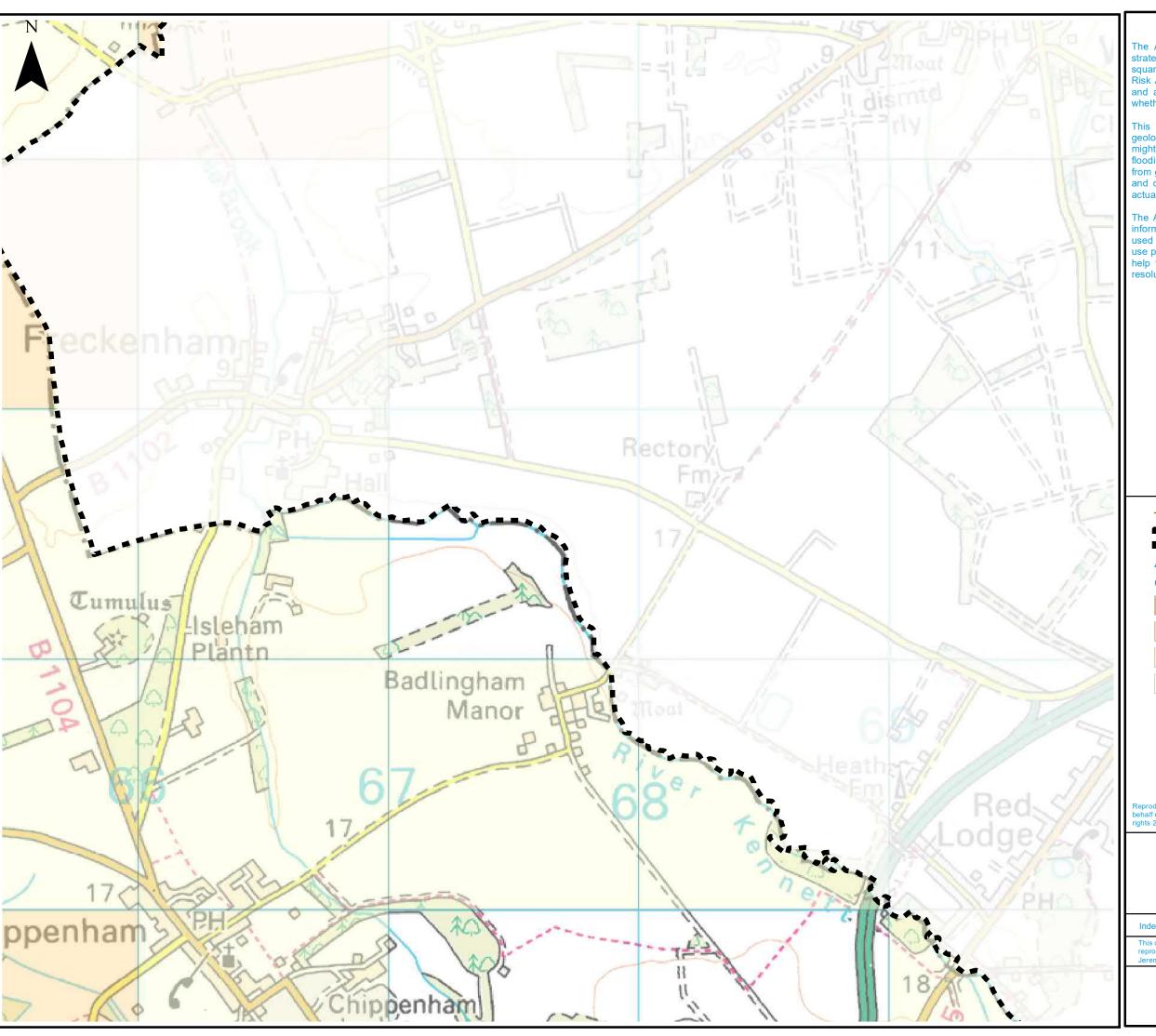
EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX E GROUNDWATER FLOOD MAPS

Index Number: ECDC_30



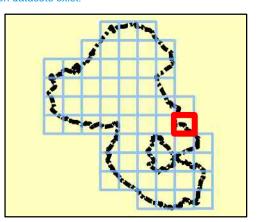




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< 25%

0	0.15	0.3	0.6	0.9 km
REF	Date		Comments	
Α	Aug 20	16 Draft		
В	Feb 20	17 Final		
С				

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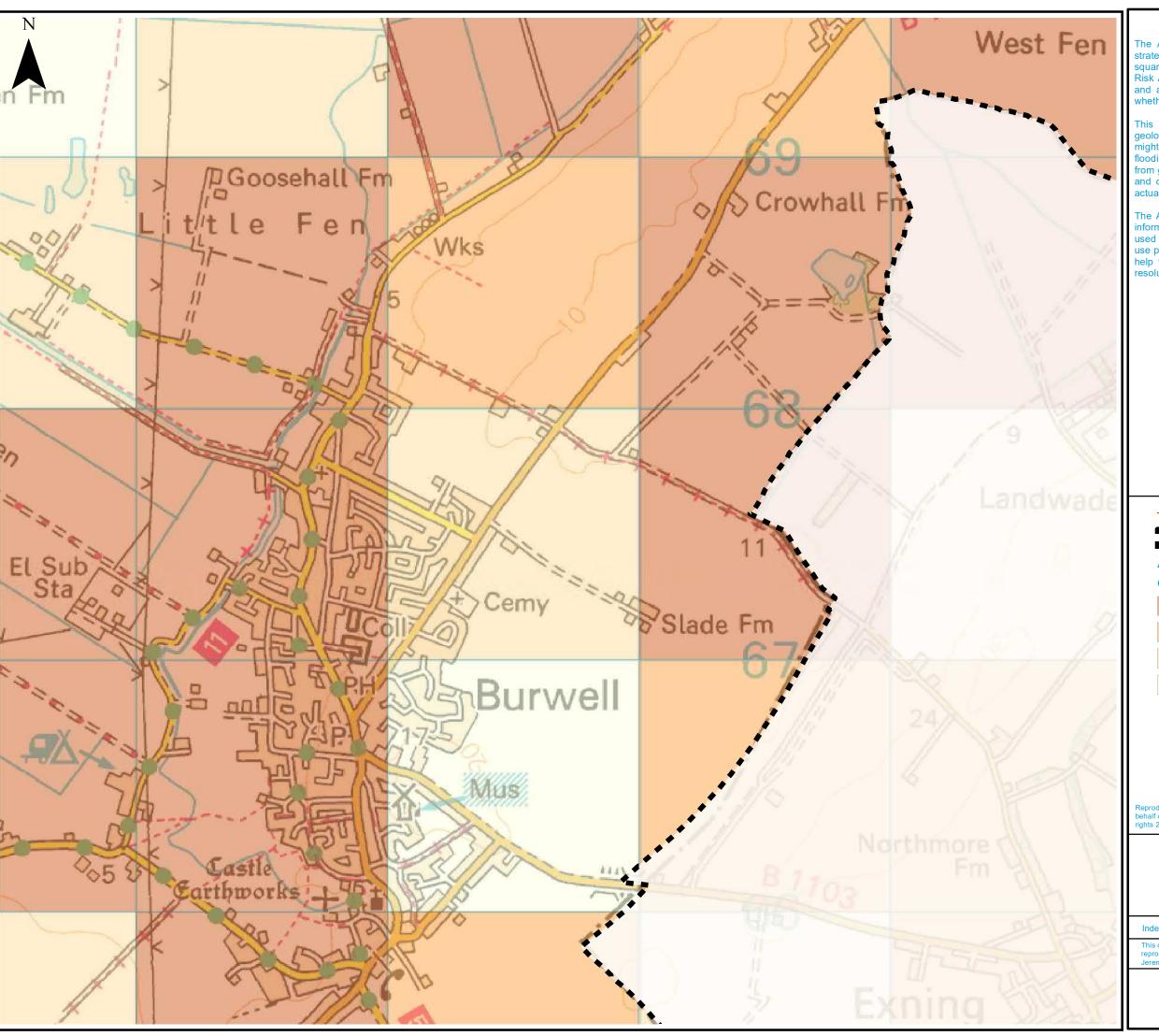
EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX E GROUNDWATER FLOOD MAPS

Index Number: ECDC_38



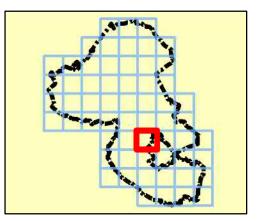




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	0.15 0.3		0.6	U.9 km
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Α	Aug 2016	Draft		
В	Feb 2017	Final		
С				

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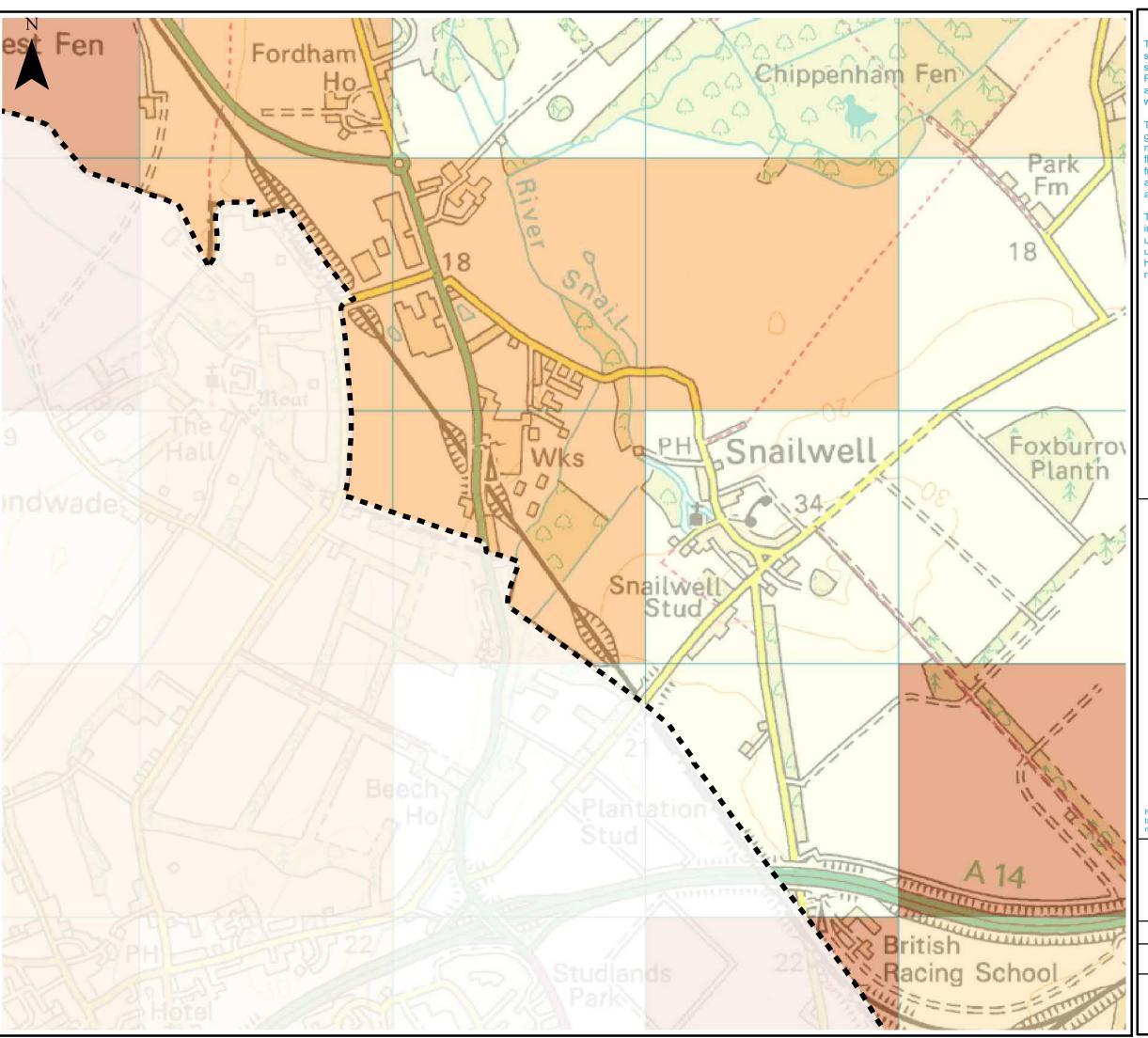
EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX E GROUNDWATER FLOOD MAPS

Index Number: ECDC_41



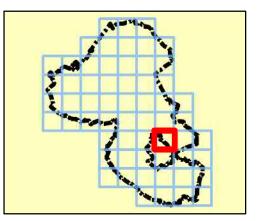




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0	0.15 0.3		0.6	0.9 km
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Α	Aug 2016	Draft		
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С				

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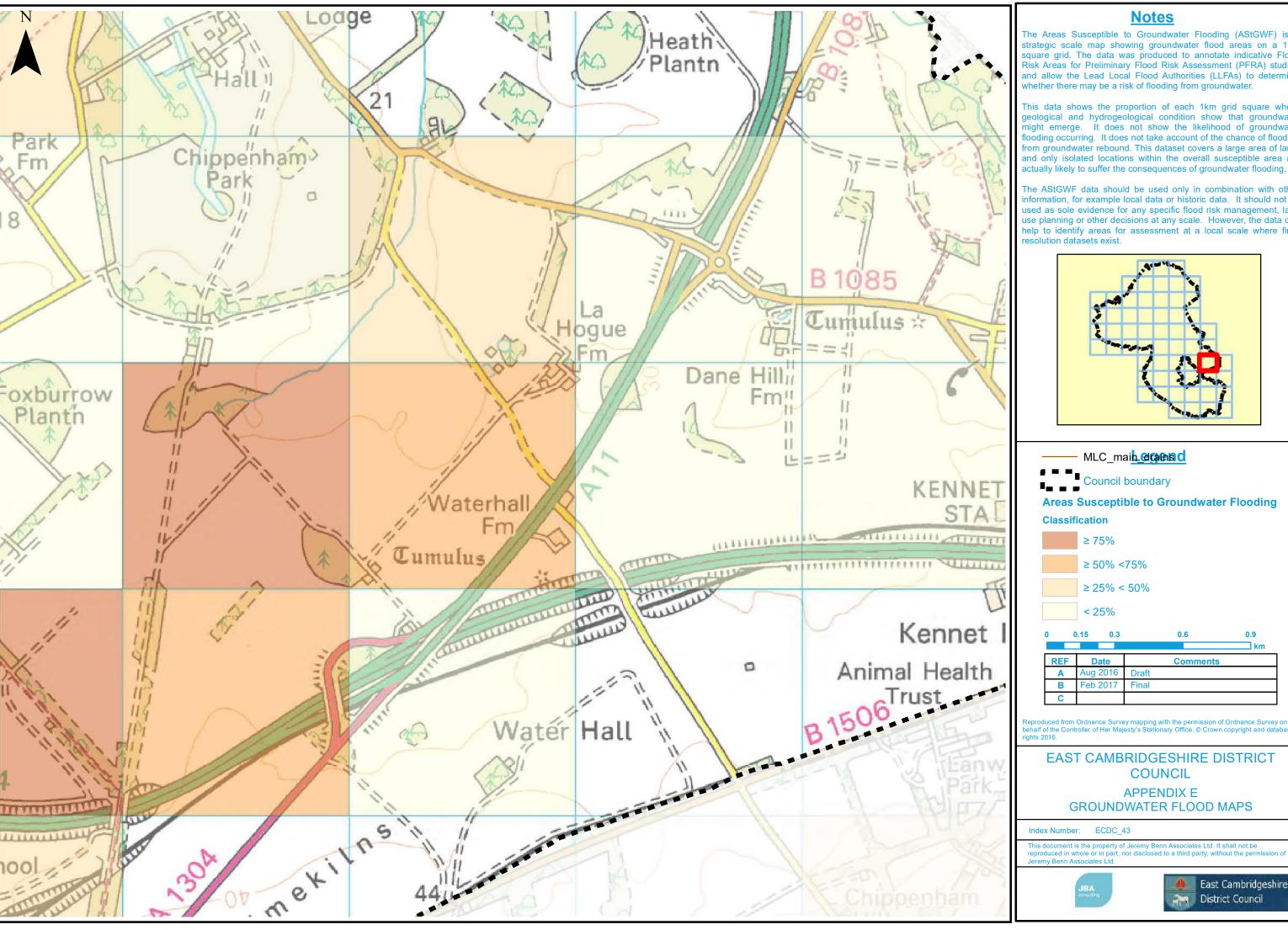
EAST CAMBRIDGESHIRE DISTRICT COUNCIL

APPENDIX E GROUNDWATER FLOOD MAPS

Index Number: ECDC_42



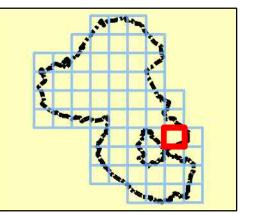




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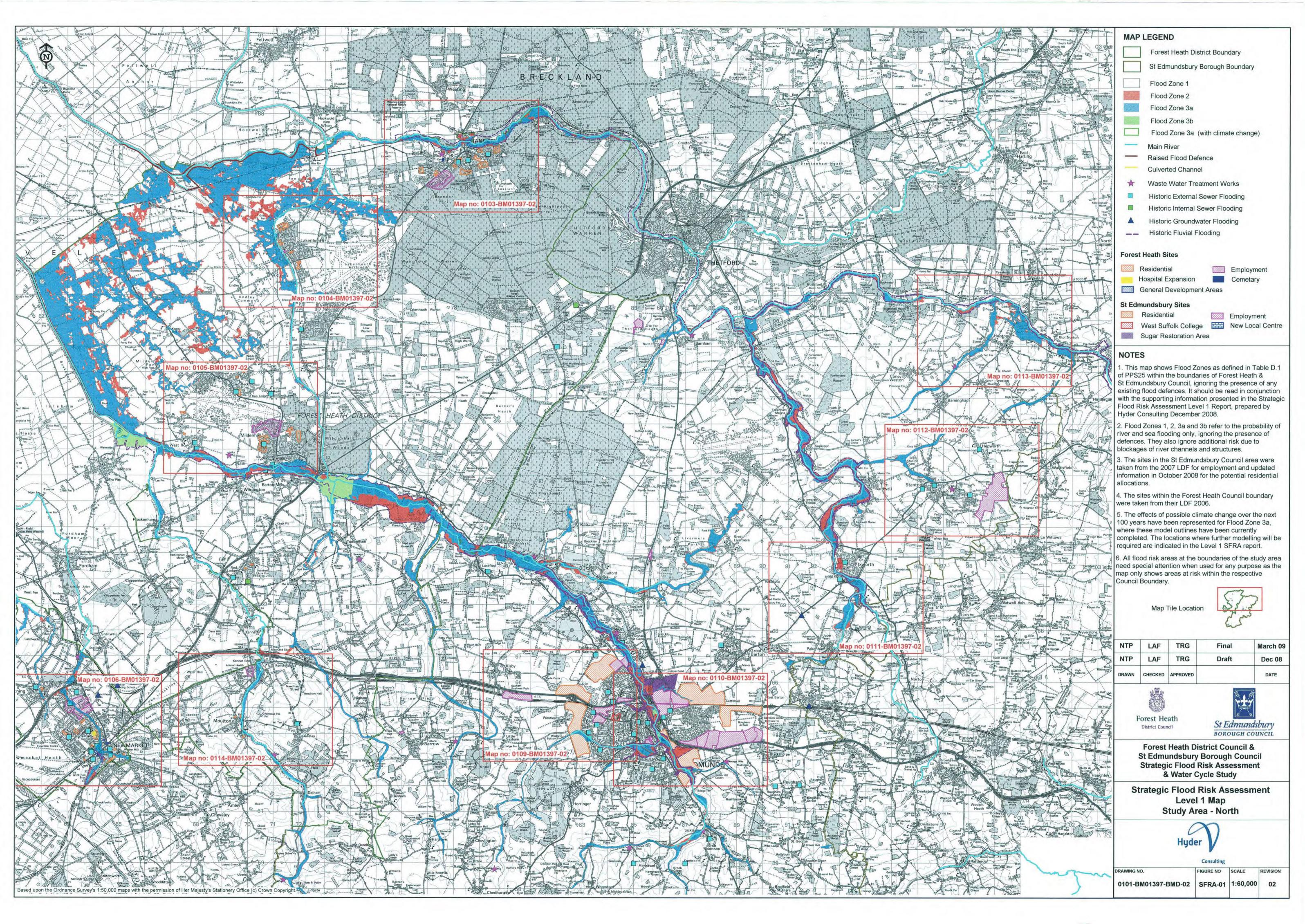
Areas Susceptible to Groundwater Flooding

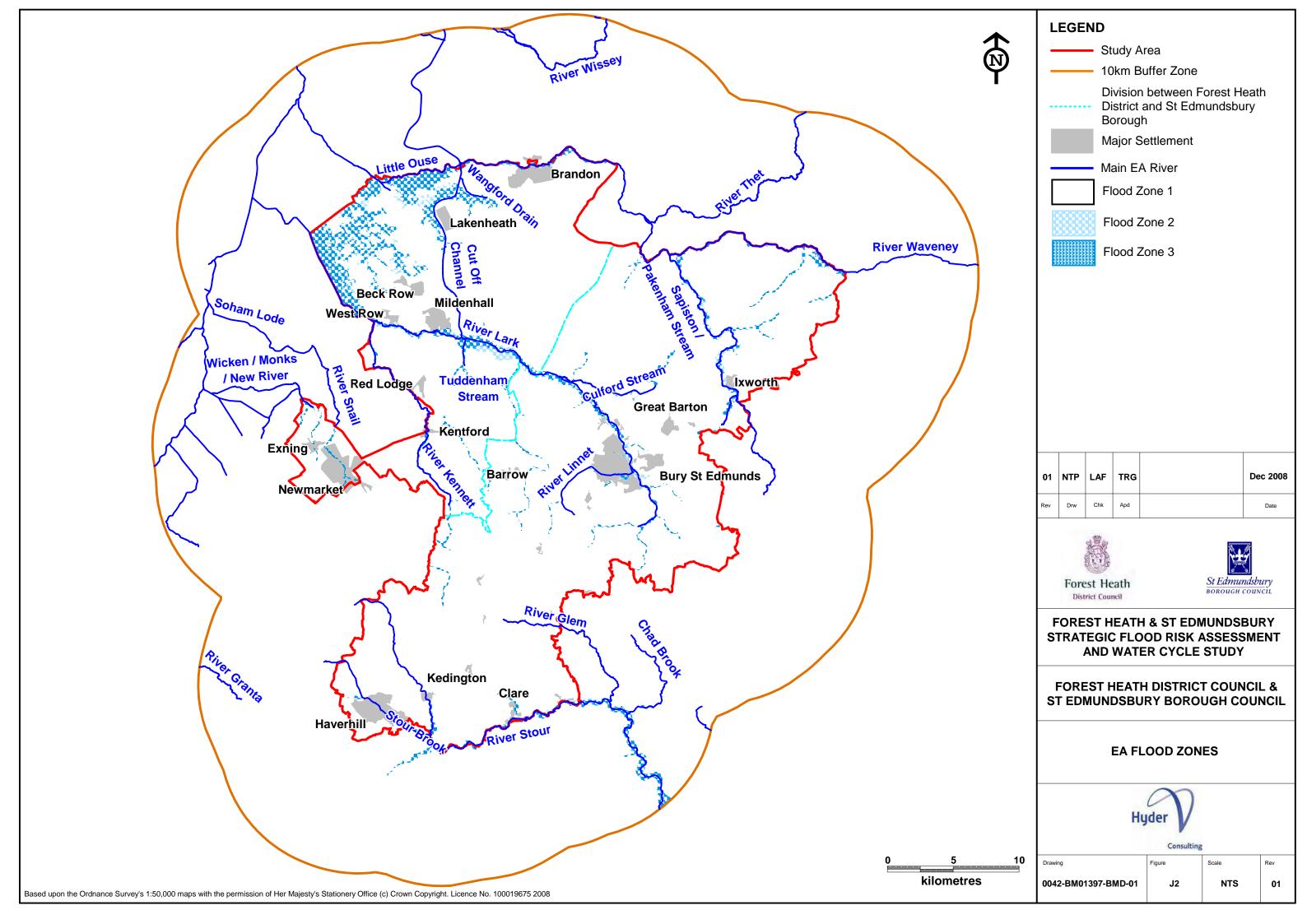
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REF	Date		Comments	
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В	Feb 2017	Final		
С				

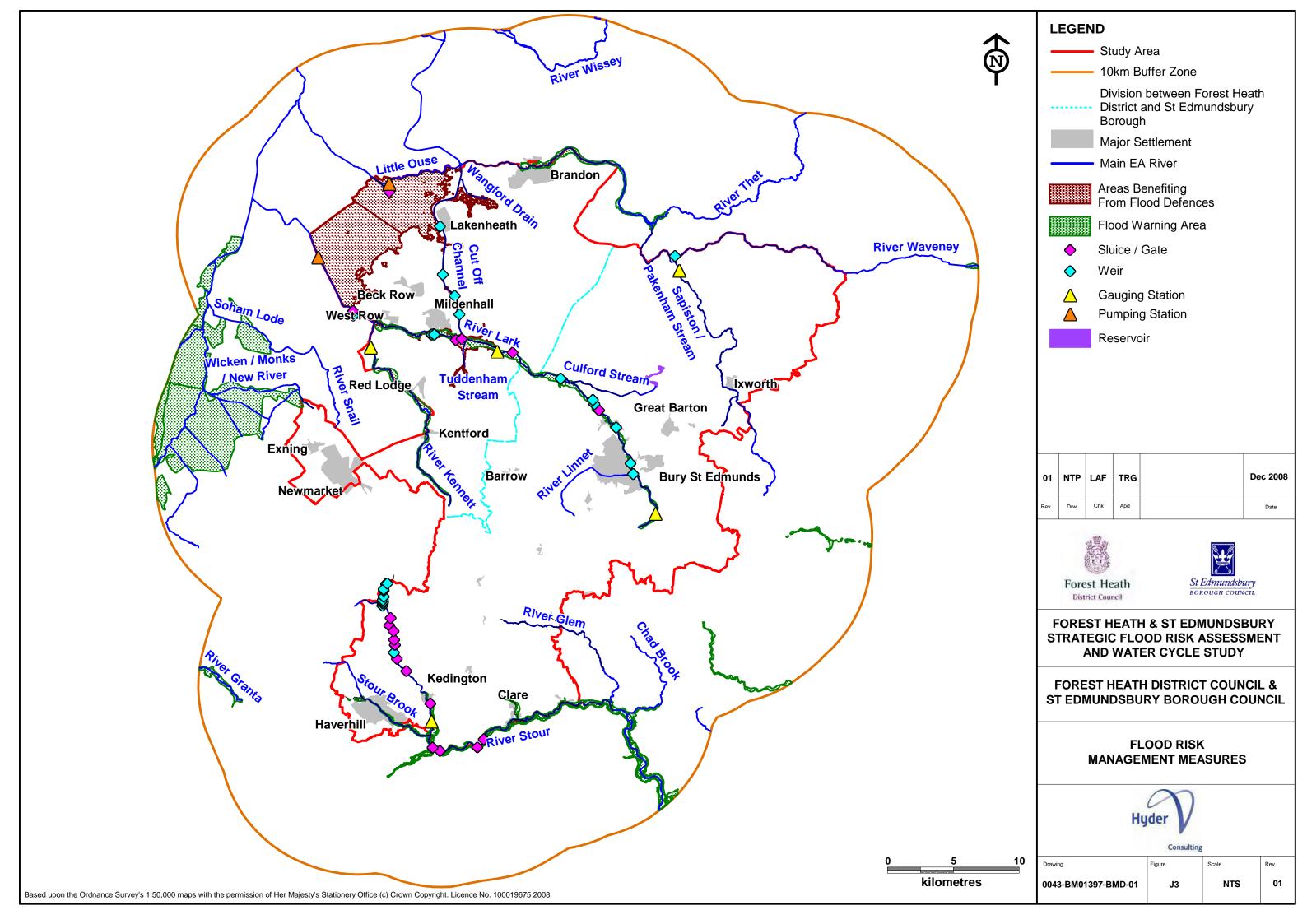
EAST CAMBRIDGESHIRE DISTRICT

GROUNDWATER FLOOD MAPS









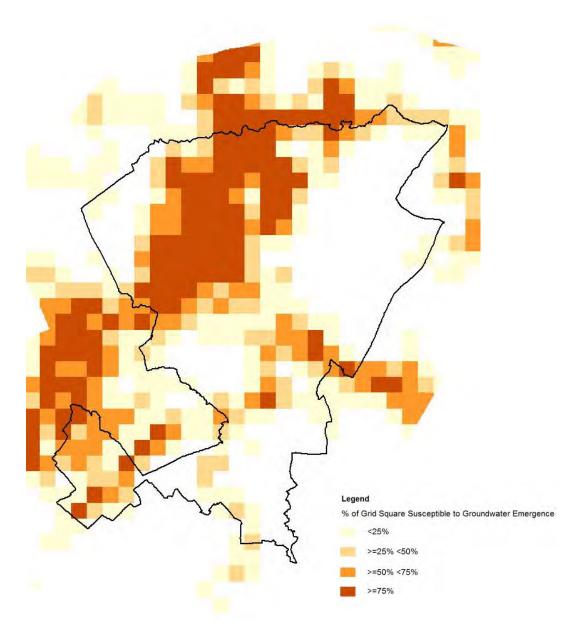
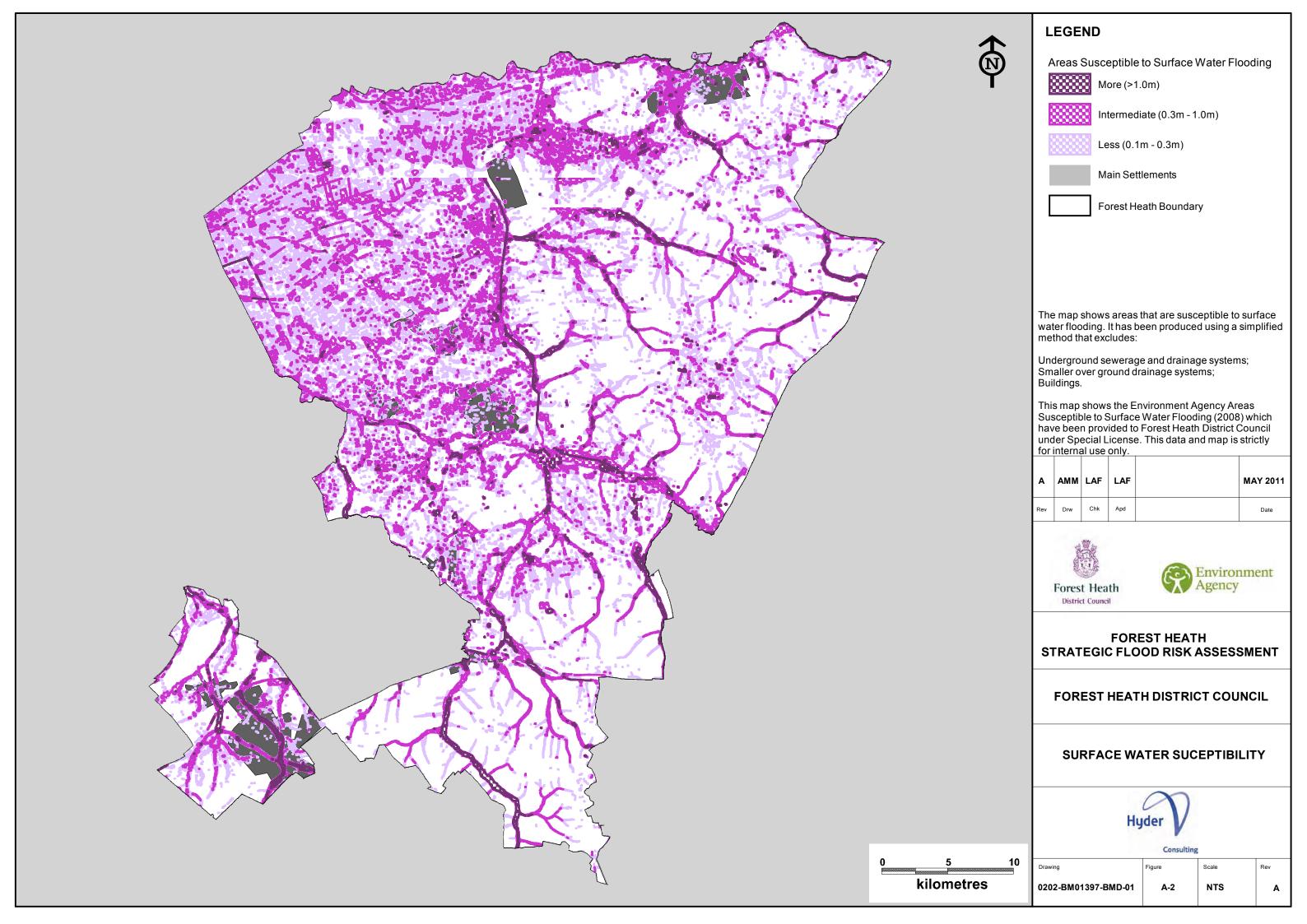
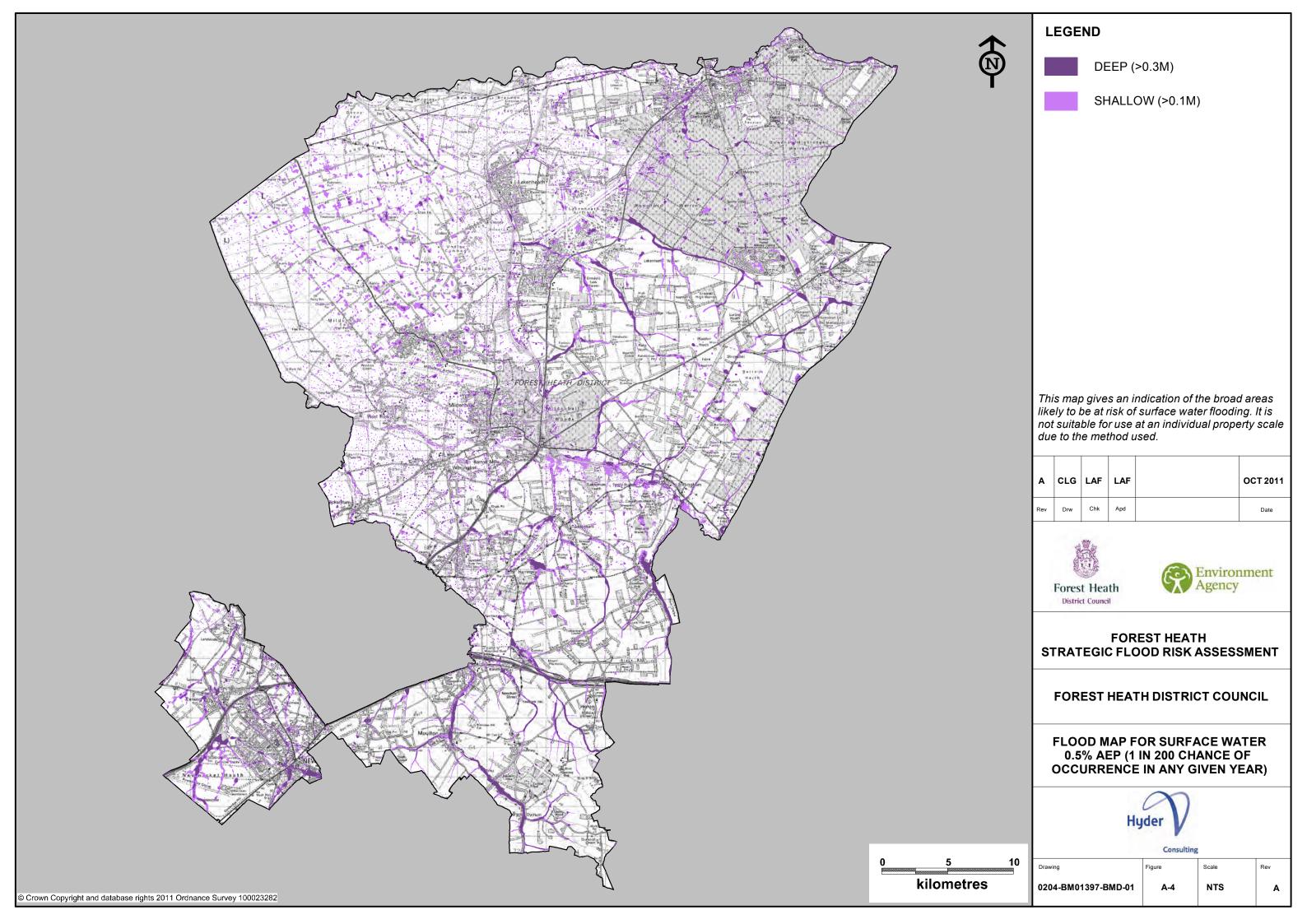


Figure 8-2 Areas Susceptible to Groundwater Flooding (source Environment Agency)

There is a band of higher susceptibility running the north west to south west across the district. Main settlements within this band are Brandon, Lakenheath, Beck Row, and West Row. Newmarket also contains areas of higher susceptibility. This mapping should therefore inform site specific FRAs in terms of their investigations into groundwater flooding.

A study into the collation, monitoring and risk assessment for chalk aquifers produced as part of the DEFRA Strategy for Flood and Coastal Erosion Risk Management study¹⁶ sets out a number of recommendations for effective monitoring and collation of groundwater flooding information in chalk catchments. Of note, it recommended that a national database collating records of flooding from all sources (including groundwater) be developed and that this should be updated with future records of groundwater flooding supplied by the Environment Agency, other organisations and the public. This makes a link with duties of an LLFA (Suffolk CC) and also for FHDC to contribute to this process given their knowledge of the area.





creating a better place



Chris Brandon
Christopher.Brandon@aecom.com

Our ref Date EAn/2021/222441 09 July 2021

Dear Chris

Enquiry regarding Product 4 & 6 for Sunnica Energy Farm

Thank you for your enquiry which was received on 11 June 2021.

We respond to requests under the Freedom of Information Act 2000 and Environmental Information Regulations 2004.

Some information is attached with this letter the rest of the information we hold has been uploaded to our sharefile system and can be accessed for 30 days using these links:

Further Asset Management Data and Information can be found online using this link:

Abstract

Abstract	
Name	Products 5, 6 & 7
Description	Eastern Rivers
	Product 5 – Eastern Rivers Modelling Report: Lower Rivers, October
	2015, JBA Consulting
	Product 6 – Output data of Eastern Rivers Modelling: Cut Off
	Channel, MP1, September 2015, JBA Consulting
	Product 7 - Calibrated and Verified Model Input data of Eastern
	Rivers Modelling: Cut Off Channel, MP1, September 2015, JBA
	Consulting.
	River Kennett
	Product 5 – Eastern Rivers Modelling Report: River Lark and River
	Kennett, July 2015, JBA Consulting
	Product 6 – Output data of Eastern Rivers Modelling: River Kennett, MP13, September 2015, JBA Consulting
	Product 7 – Calibrated and Verified Model Input data of Eastern
	Rivers Modelling: River Kennett, MP13, September 2015, JBA
	Consulting
	<u>Cam Lodes</u>
	Product 5 – Cam Phase 2 Model Report, February 2012, Halcrow
	Product 6 – Output data of River Cam Phase 2 Flood Mapping –
	Cam Lodes Model, February 2012, Halcrow

East Anglia Area

Ipswich Office, Iceni House, Cobham Road, Ipswich, Suffolk, IP3 9JD Brampton Office, Bromholme Lane, Brampton, Huntingdon, PE28 4NE General Enquiries: 03708 506506



	Product 7 - Calibrated and Verified Model Input data of River Cam Phase 2 Flood Mapping – Cam Lodes Model, February 2012, Halcrow
Licence	The following information is not available under the Open Government Licence but we may be able to license it to you under the Environment Agency Conditional Licence
	However, you MUST first check the supporting information and the above link to determine if the conditions on use are suitable for your purposes. If they aren't, this information is not provided with a licence for use, and the data is provided for read right only.
Conditions	1.0 You may use the Information for your internal or personal purposes and may only sublicense others to use it if you do so under a written licence which includes the terms of these conditions and the agreement and in particular may not allow any period of use longer than the period licensed to you. 2.0 Notwithstanding the fact that the standard wording of the Environment Agency Conditional Licence indicates that it is perpetual, this Licence has a limited duration of 5 years at the end of which it will terminate automatically without notice. 3.0 We have restricted use of the Information as a result of legal restrictions placed upon us to protect the rights or confidentialities of others. In this instance it is because of third party data. If you contact us in writing (this includes email) we will, as far as confidentiality rules allow, provide you with details including, if available, how you might seek permission from a third party to extend your use rights. 4.1 The Information may contain some data that we believe is within the definition of "personal data" under the Data Protection Act 1998 but we consider that we will not be in breach of the Act if we disclose it to you with conditions set out in this condition and the conditions above. This personal data comprises names of individuals or commentary relating to property that may be owned by an individual or commentary relating to the activities of an individual. 4.2 Under the Act a person who holds and uses or passes to others personal data is responsible for any compliance with the Act and so we have no option but to warn you that this means you have responsibility to check that you are compliance with the Act and so we have no option but to warn you that this means you have responsibility to check that you are compliance with the Act in respect of this personal data. 5.0 The location of public water supply abstraction sources must not be published to a resolution more detailed than 1km2. Information about the operation of flood assets should not be

	or any part thereof for its internal purposes or to use it in any way as part of Environment Agency derivative products which it supplies free of charge to others such as incorporation into the Environment Agency's Open Data mapping products.
Information Warnings	Please be aware that model data is not raw, factual or measured but comprises of estimations or modelled results based on the data available to us. The maps provided are to be used in conjunction with the Datasheet . Please read the Datasheet and take note of information contained within the 'Important Information' section.
Attribution	Contains Environment Agency information © Environment Agency and/or database rights. May contain Ordnance Survey data © Crown copyright 2017 Ordnance Survey 100024198.

Flood Map for Planning (Rivers and Sea)

The Flood Map for Planning (Rive	s and Sea) can be	viewed ar	nd downloaded	l as a	PDF 1	file
on GOV.UK by following this link:							

Long Term Flood Risk Information

Long term flood risk mapping including: *Risk of Flooding from Rivers or the Sea*, *Flood Risk from Surface Water* and *Flood Risk from Reservoirs* can be viewed on GOV.UK:

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Data Available Online

Many of our flood datasets are available online:

Flood Map For Planning
L
What's In Your BackYard (WIYBY) is no longer available.
Most of the data is still available via other sharing services such as
and new
maps, you will be able to download and use within specialist applications.
To find out all the services the Environment Agency have available, please click
For any other enquiries please send your request to us at:

East Anglia Area

Ipswich Office, Iceni House, Cobham Road, Ipswich, Suffolk, IP3 9JD Brampton Office, Bromholme Lane, Brampton, Huntingdon, PE28 4NE General Enquiries: 03708 506506

Additional information

Please be aware that we now charge for planning advice provided to developers, agents and landowners. If you would like advice to inform a future planning application for this site then
please complete our
and email it to our Sustainable Places team.
They will initially provide you with a free
response identifying the following:
 the environmental constraints affecting the proposal; the environmental issues raised by the proposal; the information we need for the subsequent planning application to address the issues identified and demonstrate an acceptable development; any required environmental permits.
If you require any further information from them (for example, a meeting or the detailed review of a technical document) they will need to set up a charging agreement. Further information can be found on our
Please note we have published revised climate change allowances, which are available online. These new allowances will need to be reflected in your Flood Risk Assessment. If you want to discuss this please call our Sustainable Places team on 0203 025 5475.
Please get in touch if you have any further queries or contact us within two months if you'd like us to review the information we have sent.
Yours sincerely
Tim Prior

Tim Prior

Customers and Engagement Officer

Direct dial: 02030 255472



This datasheet provides supporting information for your Product 4. It will be clearly indicated if we are unable to provide information to fulfil any part of your request.

Model Summary

Model Name	Model Code			
Cam Phase 2	EA052344			
Cam Phase 2	EA052344			

Important Information

The following information should considered when using the material provided to fulfil this request.

Information	
	We have only provided a limited number of modelled flood extents for clarity. If you require further extents we will be happy to provide them.
No Product 8 Data	Unfortunately we do not have any breach data at this location.

Modelled Water Levels and Flows

The following tables provide modelled in channel water level and flow values. Values are provided for Annual Exceedence Probability (AEP) events, which is the probability of a given event occurring in any one year. This is not a return period.

The fluvial models used to produce these results are intended for strategic scale use only.

If the tables show a value of -9999, this indicates that we have no level or flow data for that particular AEP or node point.

Level Data

Level values are measured in metres above Ordnance Datum (m aOD).

All level data included are subject to standard modelling tolerance of +/-150 millimetres.

Present Day Levels

Node	Model	Easting	Northing	20%	10%	5%	4%	2%	1.33%	1%	0.5%	0.1%
LARK_15278	EA052372_001	566313	275157	2.3	2.45	2.55	2.58	2.72	2.76	2.78	2.82	2.95
LARK_15441	EA052372_001	566480	275100	2.31	2.46	2.56	2.6	2.73	2.77	2.79	2.84	2.98
LARK_15604	EA052372_001	566610	275139	2.31	2.47	2.57	2.6	2.73	2.77	2.8	2.84	2.99
LARK_15913	EA052372_001	566790	275033	2.33	2.49	2.59	2.62	2.75	2.79	2.81	2.86	3.02
LARK_17135D	EA052372_001	567725	274807	2.43	2.59	2.68	2.71	2.82	2.86	2.88	2.93	3.16
WE1150	EA052344	558138	266913	1.83	1.88	1.99	2.03	2.15	2.16	2.18	2.2	2.26
WE650	EA052344	558314	267241	1.83	1.87	1.99	2.02	2.15	2.16	2.17	2.19	2.24
WE800	EA052344	558205	267141	1.83	1.87	1.99	2.02	2.15	2.16	2.17	2.19	2.25
WE950	EA052344	558112	267069	1.83	1.88	1.99	2.02	2.15	2.16	2.17	2.19	2.25

Climate Change Levels

Node	Model	Easting	Northing	1%+20%cc	1%+25%cc	1%+35%cc	1%+65%cc	0.5%+20%cc	0.1%+20%cc
LARK_15278	EA052372_001	566313	275157	2.94	-9999	-9999	-9999	-9999	-9999
LARK_15441	EA052372_001	566480	275100	2.96	-9999	-9999	-9999	-9999	-9999
LARK_15604	EA052372_001	566610	275139	2.96	-9999	-9999	-9999	-9999	-9999
LARK_15913	EA052372_001	566790	275033	2.97	-9999	-9999	-9999	-9999	-9999
LARK_17135D	EA052372_001	567725	274807	3.02	-9999	-9999	-9999	-9999	-9999
WE1150	EA052344	558138	266913	2.19	-9999	-9999	-9999	-9999	-9999
WE650	EA052344	558314	267241	2.18	-9999	-9999	-9999	-9999	-9999
WE800	EA052344	558205	267141	2.19	-9999	-9999	-9999	-9999	-9999
WE950	EA052344	558112	267069	2.19	-9999	-9999	-9999	-9999	-9999

Flow Data

Flow values are measured in cubic metres per second (cumecs - m3/s).

Present Day Flows

Node	Model	Easting	Northing	20%	10%	5%	4%	2%	1.33%	1%	0.5%	0.1%
LARK_15278	EA052372_001	566313	275157	9.81	11.76	13.03	13.4	14.77	15.6	16.14	18.62	26.79
LARK_15441	EA052372_001	566480	275100	6.49	7.71	8.12	8.32	8.88	9.05	9.28	9.64	16.92
LARK_15604	EA052372_001	566610	275139	6.49	7.71	8.12	8.31	8.87	9.05	9.28	9.64	16.91
LARK_15913	EA052372_001	566790	275033	6.5	7.71	8.11	8.31	8.87	9.05	9.28	9.64	16.01
LARK_17135D	EA052372_001	567725	274807	6.46	7.65	8.01	8.2	8.74	8.95	9.06	9.37	16.55
WE1150	EA052344	558138	266913	0.12	0.19	0.27	0.3	0.41	0.48	0.53	0.69	1
WE650	EA052344	558314	267241	0.2	0.24	0.26	0.28	0.4	0.47	0.52	0.68	1
WE800	EA052344	558205	267141	0.2	0.23	0.26	0.29	0.41	0.47	0.52	0.69	1
WE950	EA052344	558112	267069	0.17	0.21	0.27	0.29	0.41	0.47	0.53	0.69	1

Climate Change Flows

Node	Model	Easting	Northing	1%+20%cc	1%+25%cc	1%+35%cc	1%+65%cc	0.5%+20%cc	0.1%+20%cc
LARK_15278	EA052372_001	566313	275157	18.16	-9999	-9999	-9999	-9999	-9999
LARK_15441	EA052372_001	566480	275100	9.86	-9999	-9999	-9999	-9999	-9999
LARK_15604	EA052372_001	566610	275139	9.85	-9999	-9999	-9999	-9999	-9999
LARK_15913	EA052372_001	566790	275033	9.7	-9999	-9999	-9999	-9999	-9999
LARK_17135D	EA052372_001	567725	274807	9.39	-9999	-9999	-9999	-9999	-9999
WE1150	EA052344	558138	266913	0.64	-9999	-9999	-9999	-9999	-9999
WE650	EA052344	558314	267241	0.64	-9999	-9999	-9999	-9999	-9999
WE800	EA052344	558205	267141	0.64	-9999	-9999	-9999	-9999	-9999
WE950	EA052344	558112	267069	0.64	-9999	-9999	-9999	-9999	-9999

Recorded Flood Events

Where included, the Recorded Flood Event Outlines map provides an indication of areas which have flooded. Not all properties shown to be within the outline will have flooded.

Flood Event	Start	End	Source	Cause
1951	01/01/1951	21/04/1951	Unknown	Unknown
March 1947	13/03/1947	17/03/1947	Main River	Channel Capacity Exceeded (no raised defences)

General Information

Flood Map for Planning (Rivers and Sea)

The Flood Map for Planning (Rivers and Sea) indicates the area at risk of flooding for a flood event with a 0.5% chance of occurring in any year for flooding from the sea, or a 1% chance of occurring in any year for fluvial (river) flooding (Flood Zone 3).

It also shows the extent of the Extreme Flood Outlines (Flood Zone 2) which represents the extent of a flood event with a 0.1% chance of occurring in any year, or the highest recorded historic extent if greater. The Flood Zones refer to the land at risk of flooding and do not refer to individual properties.

The Flood Map for Planning (Rivers and Sea) can be viewed and downloaded as a PDF file on GOV.UK by following this link: https://flood-map-for-planning.service.gov.uk or downloaded in GIS format under an open data licence from the following address: https://data.gov.uk/publisher/environment-agency

The Flood Map is updated on a quarterly basis to account for any amendments required.

Surface Water, Ordinary Watercourses and Groundwater Flooding

Lead Local Flood Authorities (LLFA) are responsible for managing local flood risk from ordinary watercourses, surface water flooding and groundwater flooding.
You should check with the LLFA as they may have more up to date information regarding this type of flooding.

The Risk of Flooding from Surface Water Flood Map can be viewed and downloaded as a PDF file on GOV.UK by following this link: https://flood-warning-information.service.gov.uk/long-term-flood-risk

Information on how to reduce the impact of flooding from groundwater can be found online by the following link: https://www.gov.uk/government/publications/flooding-from-groundwater

Flooding from Reservoirs

The Risk of Flooding from Reservoirs Flood Map can be viewed and downloaded as a PDF file on GOV.UK by following this link: https://flood-warning-information.service.gov.uk/long-term-flood-risk

Sewer Flooding

Your local water company may have information on sewage flooding in your area of interest.

Areas Benefitting from Defences

Areas Benefitting from Defences show the area benefiting from defences from a 1 in 100 (1% AEP) year fluvial event or a 1 in 200 (0.5% AEP) tidal/coastal event.

The associated dataset can be downloaded in GIS from the following link: https://data.gov.uk/dataset/flood-map-for-planning-rivers-and-sea-areas-benefiting-from-defences

Product 4 Reques	Product 4 Request										
			Standard of	Overall	Statutory	Upstream	Downstream				
			Protection	Condition	Defence	Crest	Crest				
Unique ID (Label)	Easting	Northing	(Return Period)	Grade	Level	Level	Level				
Burwell Lode											
105439	557246	268497	1 in 50 (2%)	3	Not Known	2.93	2.79				
105440	558360	267839	1 in 50 (2%)	3	Not Known	3.72	2.93				
105441	558514	267794	1 in 50 (2%)	3	Not Known	4.81	3.72				
Burwell Weirs					Not Known						
84318	558560	267769	1 in 50 (2%)	3	Not Known	Not Known	Not Known				
184372	558556	267750	Not Known	2	Not Known	Not Known	Not Known				
184373	558509	267523	Not Known	4	Not Known	Not Known	Not Known				
184374	558367	267320	Not Known	3	Not Known	Not Known	Not Known				
184375	558162	267071	Not Known	4	Not Known	Not Known	Not Known				
184376	558122	266682	Not Known	3	Not Known	Not Known	Not Known				
184377	558001	266421	Not Known	3	Not Known	Not Known	Not Known				

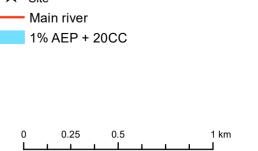
Defended Climate Change Model Flood Outlines centred on Sunnica Energy Farm

NGR TI 5788767208 Ref 222441 Created 24/06/2021



Environment Agency Bromholme Lane. Brampton Cambridgeshire PE28 4NE





Information

Model Tolerance - Any data included in this product is subject to a standard modelling tollerance of +/- 150mm. The fluvial models used to produce these results are intended for strategic scale use only.

Flood Risk Assessments - The Environment Agency recommends any Flood Risk Assessment should only consider these results in the context of a site specific assessment.

AEP - Annual Exceedance Probability - The probability of a given event occurring in any one year. Please note this is not a return period.

Strategic Scale Model - This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment. Modelled outlines take into account catchment wide defences if present.

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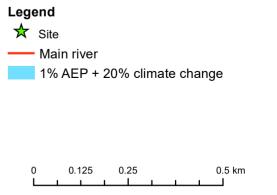
Defended Climate Change Model Flood Outlines centred on Sunnica Energy Farm

NGR TL6651675068 Ref 222441 Created 24/06/2021



Environment Agency Bromholme Lane, Brampton, Cambridgeshire PE28 4NE





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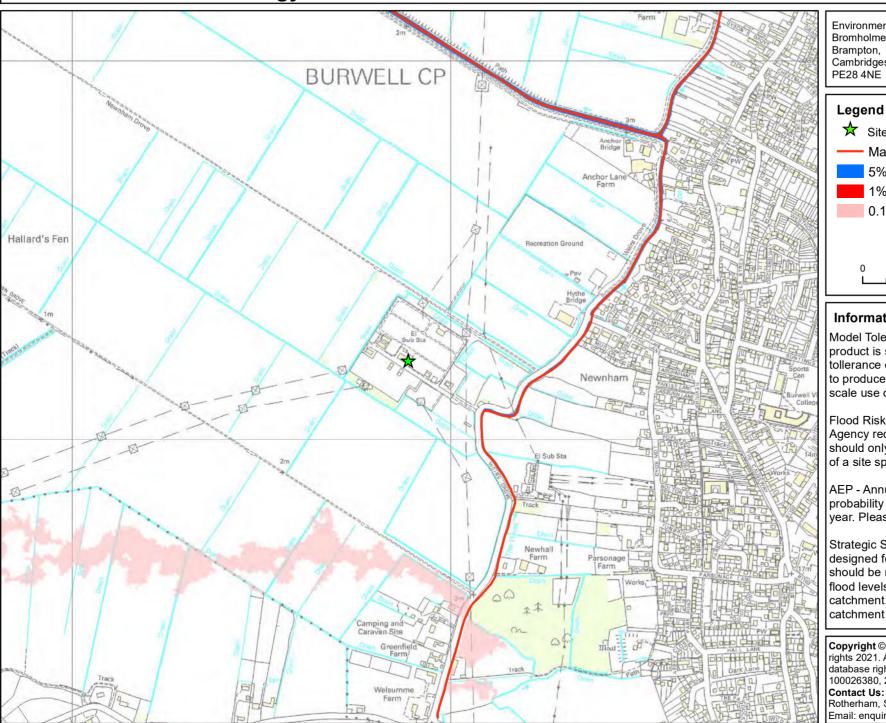
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Defended Model Flood Outlines centred on Sunnica Energy Farm

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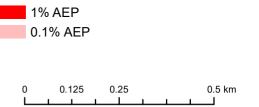


Environment Agency Bromholme Lane. Brampton Cambridgeshire PE28 4NE

> Main river 5% AEP

★ Site





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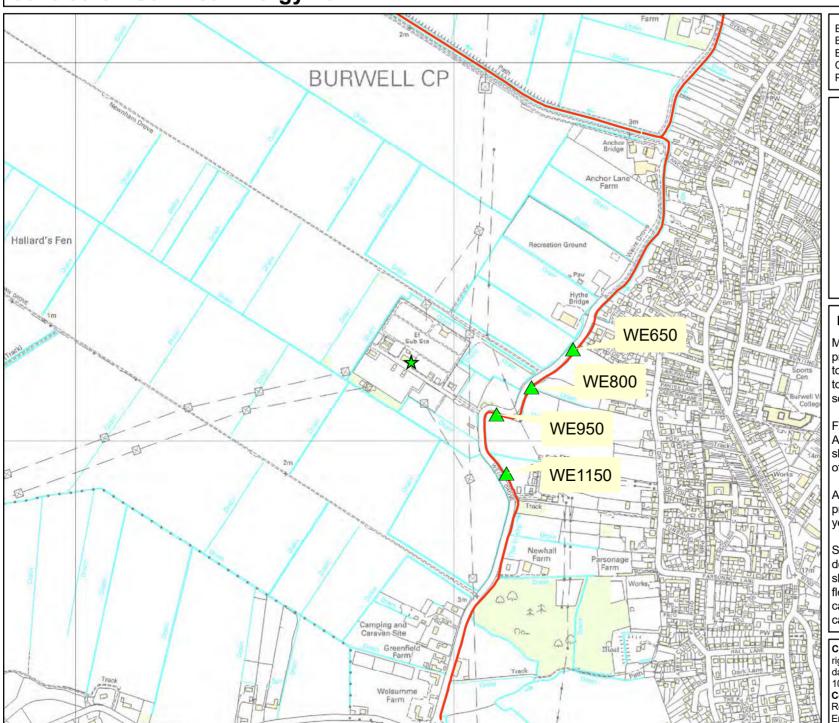
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Modelled Node Point Locations centred on Sunnica Energy Farm

NGR TL5788767208 Ref 222441 Created 24/06/2021



Environment Agency Bromholme Lane. Brampton Cambridgeshire PE28 4NE





☆ Site

Node Points selection

Main river

Information

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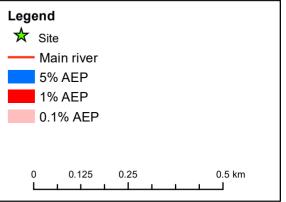
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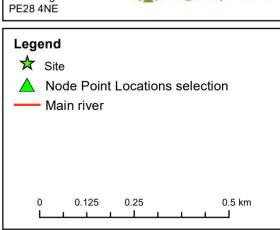
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Modelled Node Point Locations centred on Sunnica Energy Farm

NGR TL6651675068 Ref 222441 Created 24/06/2021

Environment Agency Bromholme Lane. Brampton Cambridgeshire





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