

Appendix C Arun District Council Information

Arun District Council Flooding Correspondence

Arun District Council Ordinary Watercourse Map dated 12 June 2017

Arun District Council Strategic Flood Risk Assessment Figures:

- Appendix D – *Climate Change Mapping*
- Appendix E – *Surface Water Flood Risk*
- Appendix F – *Areas Susceptible to Groundwater*
- Appendix H – *Historic Flood Records*

Elizabeth Edney

From: Thomas Callaway <Thomas.Callaway@arun.gov.uk>
Sent: 06 April 2017 14:50
To: Elizabeth Edney
Subject: RE: Incidences of flooding at Wandley Farm, Fontwell, West Sussex BN18 0QR

Elizabeth

We have no records of flooding in this location. This does not mean that flooding has not occurred, and I would recommend checking with West Sussex County Council and the Environment Agency as well.

Regards

Tom Callaway

Thomas Callaway | Drainage & Coastal Engineer, Engineering Services, Arun District Council | Location: Second Floor, Arun Civic Centre, Maltrovers Road, Littlehampton, BN17 5LF

Internal: 37818 | External: +44 (0) 1903 737818 | Fax: +44 (0) 1903 716019 | E-mail: Thomas.Callaway@arun.gov.uk
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Visit our web site at www.arun.gov.uk and www.chichester.gov.uk



Save the environment - think before you print.

From: Nicola Spencer **On Behalf Of** Planning
Sent: 04 April 2017 10:03
To: Thomas Callaway
Subject: FW: Incidences of flooding at Wandley Farm, Fontwell, West Sussex BN18 0QR

Are you able to assist this customer, we do not hold this information.

Thanks

Nicola Spencer | Technical Support Manager, Planning Department, Arun District Council | Location: First Floor, Arun Civic Centre, Maltrovers Road, Littlehampton, BN17 5LF

Internal: 37446 | External: +44 (0) 1903 737500 ext 37446 | E-mail: nicola.spencer@arun.gov.uk

Visit Arun's web site at www.arun.gov.uk



Save the environment - think before you print.

From: Elizabeth Edney [REDACTED]
Sent: 03 April 2017 15:17
To: Planning
Subject: Incidences of flooding at Wandley Farm, Fontwell, West Sussex BN18 0QR

Dear Sir/Madam

I am preparing a Flood Risk Assessment for the above site in Fontwell. I would be grateful if you could confirm if you hold any records of flooding at the site and if the site is located within a Critical Drainage Area. A site location plan is attached for reference.

Many thanks in advance.

Kind Regards,

Elizabeth Edney
Flood Risk/Drainage Engineer
For and on behalf of Peter Brett Associates LLP - Reading



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NLPG UPRN 100062237016
DX 57406 Littlehampton

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Arun District Council Maps



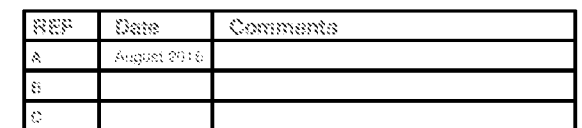


Hydraulic modelling has been undertaken as part of this SFRA to provide updated climate change flood mapping in the Arun District for Flood Zone 3a. This modelling followed the latest guidance for climate change in FRA/SFRAs released by the Environment Agency in February 2016 (and updated in April 2016). Climate change for fluvial events has been based on the Higher Central estimates for the years 2031, 2061 and 2111. Present day flood risk information is available for comparison. Arun District is within the South East River Basin District and therefore allowance are:

- 2031 = +15% flows
- 2061 = +30% flows
- 2111 = +45% flows

For tidal/coastal models, undefended case still water level and defended case still water level with wave overtopping simulations have been completed to inform future flood risk within the Arun District. Again, climate change allowance predictions are for the years 2031, 2061 and 2111, with present day outputs for comparison.

	Ann District SFRA boundary		Future Flood Zone 3a (2061)
	Present Flood Zone 3a		Future Flood Zone 3a (2111)
	Future Flood Zone 3a (2031)		



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LEVEL 1 SFRA: APPENDIX D CLIMATE CHANGE MAPPING

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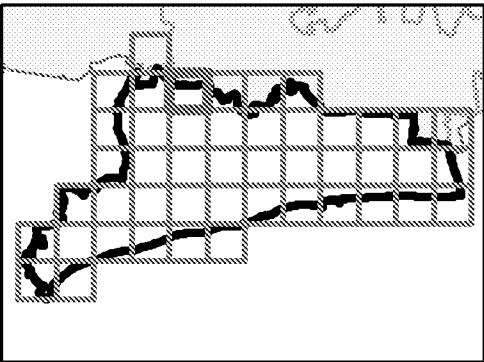
Notes

The updated Flood Map for Surface Water (uFMISW) 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 uFMISW 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.

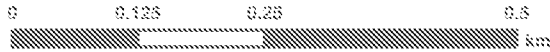
Note: The uFMISW shows predictions of flooded areas but does not show whether individual properties will be affected by surface water flooding or have been affected in the past. The uFMISW should not be used to predict if individual properties will flood.

Key Plan



Legend

- Arun District SFRA boundary
- uFMISW 30-year extent
- uFMISW 100-year extent
- uFMISW 1,000-year extent



REF	Date	Comments
A	June 2016	-
B		
C		

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LEVEL 1 SFRA: APPENDIX E SURFACE WATER FLOOD RISK

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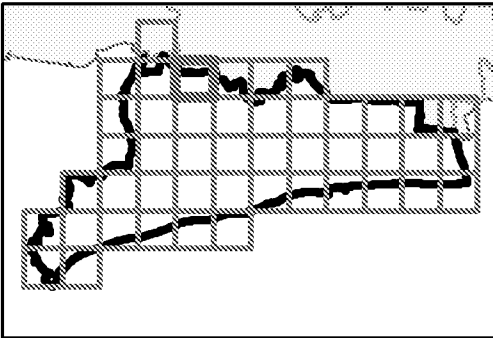
Notes

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.

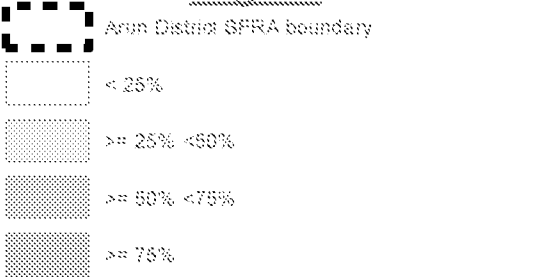
This data shows the proportion of each 1km grid square where geological and hydrogeological condition show that groundwater might emerge. It does not show the likelihood of groundwater flooding occurring. It does not take account of the chance of flooding from groundwater rebound. This dataset covers 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.

Key Plan



Legend



REF	Date	Comments
A	June 2012	-
B		
C		

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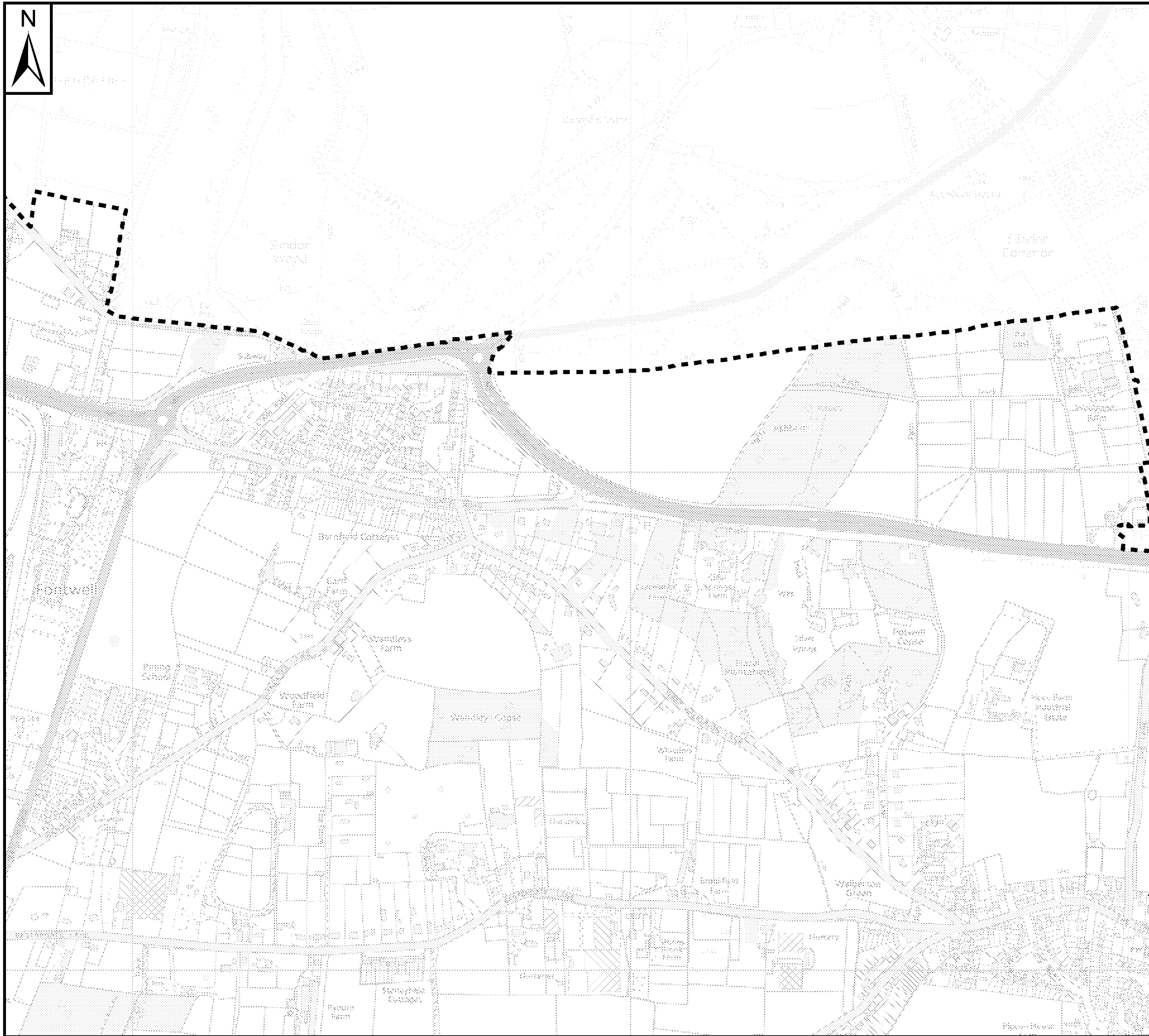
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LEVEL 1 SFRA: APPENDIX F
AREAS SUSCEPTIBLE TO GROUNDWATER

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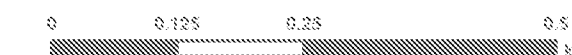




Flood Alerts are used to warn people of the possibility of flooding and encourage them to be alert, stay vigilant and make early preparations. It is issued earlier than a flood warning, to give customers advance notice of the possibility of flooding, but before we are fully confident that flooding in Flood Warning Areas is expected.

Some areas may be covered by more than one flood warning area as they may be at risk of flooding from more than one

	Arun District SFRA boundary		065FWF5005
	065FWC2401		065FWC2801
	065FWF4303		065FWC2802
	065FWF4504		065FWC2801
	065FWF5301		065FWF5006
	065FWF5302		065FWF4801
	065FWF5007		065FWC2402
	065FWF5006		065FWC2402



REF	Date	Comments
A	June 2016	
B		
C		

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LEVEL 1 SFRA: APPENDIX G FLOOD WARNING AREAS

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