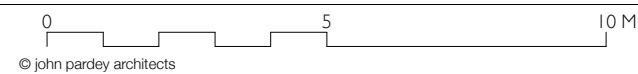


Appendix 1

Topographical Survey





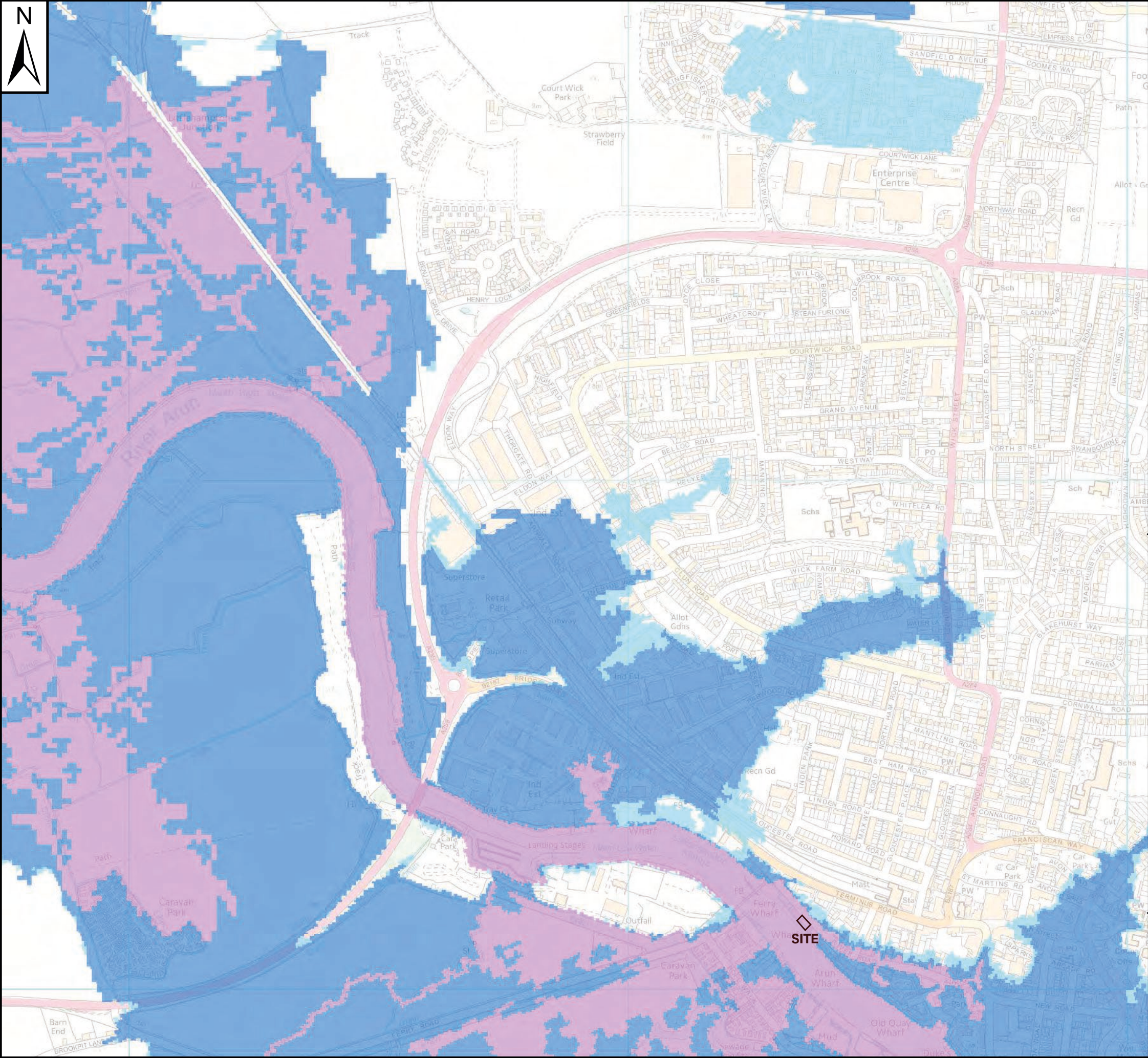
DRAWING NO:	1908_P_150
TITLE:	TOPOGRAPHIC SURVEY
PROJECT:	57 RIVER ROAD, LITTLEHAMPTON

jpa
T: +44 (0) 1590 626465
www.johnpardeyarchitects.com

Appendix 2

Arun District Council SFRA Maps





Notes

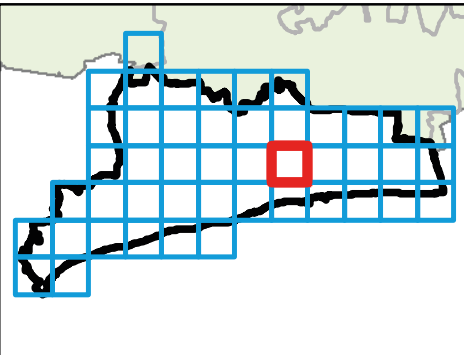
Zone 1: Comprised of land having a less than 1 in 1,000 annual probability of river or sea flooding in any year.

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.

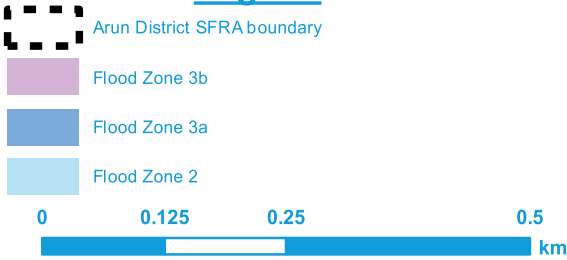
Zone 3a: This zone comprises land assessed as having a greater than 1in 100 annual probability of river flooding or a greater than 1 in 200 annual probability of flooding from sea in any year.

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 has been adopted 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

Key Plan



Legend



REF	Date	Comments
A	June 2016	-
B		
C		

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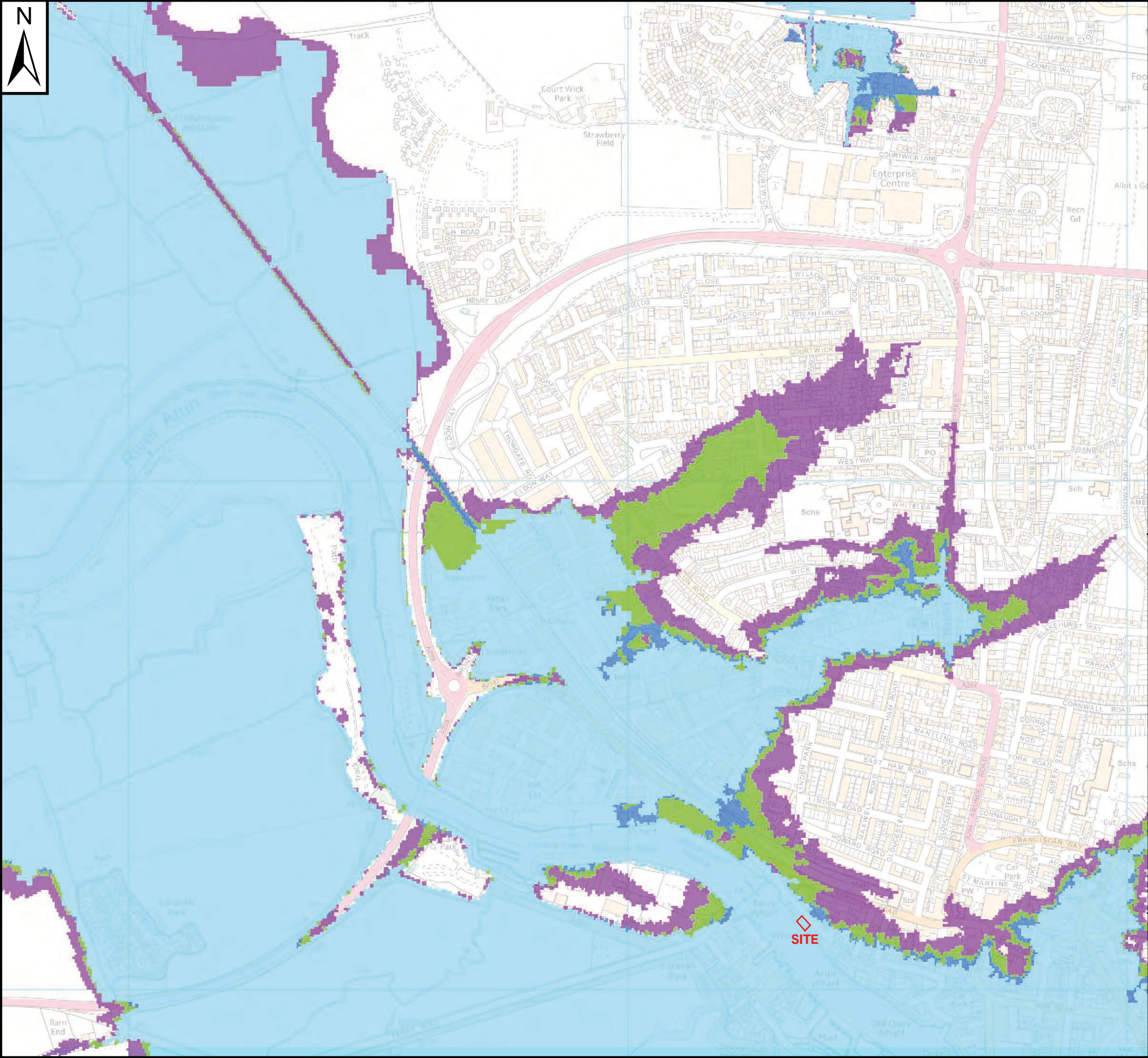
ARUN DISTRICT COUNCIL

LEVEL 1 SFRA: APPENDIX C
FLOOD ZONES

Sheet No: 25 of 46 Index Number: ADC_25

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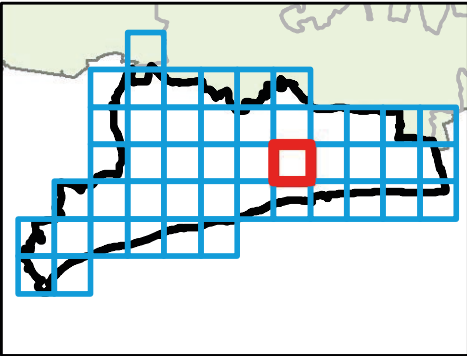
Notes

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 FRAs/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.

Key Plan



Legend

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



REF	Date	Comments
A	August 2016	
B		
C		

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LEVEL 1 SFRA: APPENDIX D
CLIMATE CHANGE MAPPING

Sheet No: 25 of 46 Index Number: ADC_25

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Notes

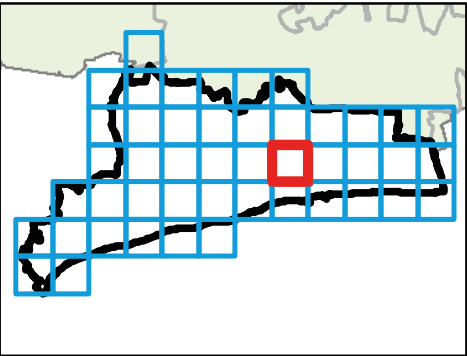
The updated Flood Map for Surface Water (uFMfSW) shows the flooding that takes place from the 'surface runoff' generated by rainwater (including snow and other precipitation) which:

- (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.

Key Plan



Legend

Arun District SFRA boundary

uFMfSW 30-year extent

uFMfSW 100-year extent

uFMfSW 1,000-year extent

00.1250.250.5

km

REF	Date	Comments
A	June 2016	-
B		
C		

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LEVEL 1 SFRA: APPENDIX E

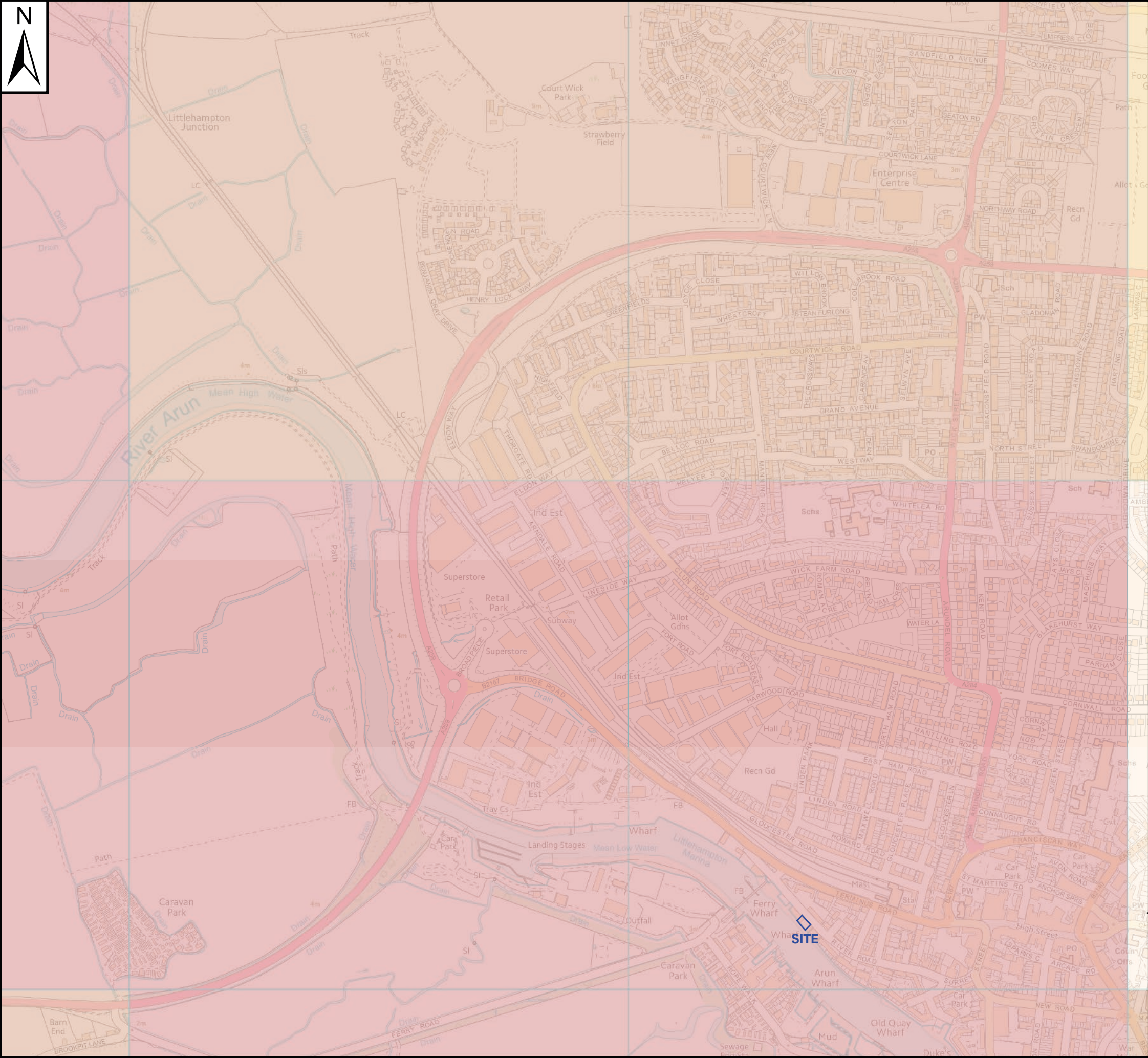
SURFACE WATER FLOOD RISK

Sheet No: 25 of 46

Index Number: ADC_25

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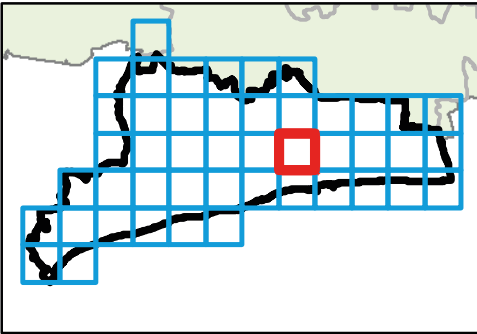
Notes

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.

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.

Key Plan



Legend

- Arun District SFRA boundary
- < 25%
- >= 25% <50%
- >= 50% <75%
- >= 75%



REF	Date	Comments
A	June 2016	-
B		
C		

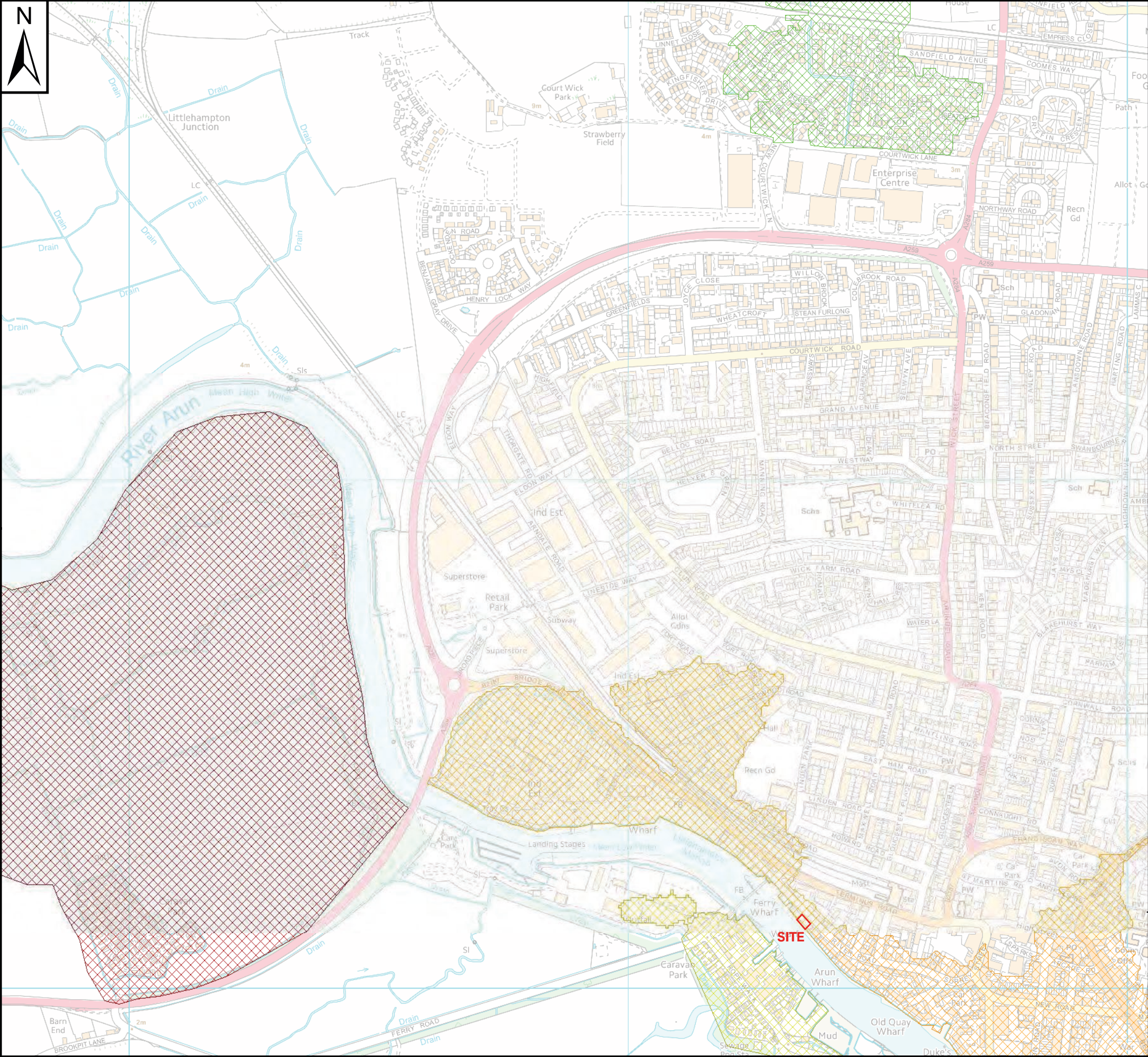
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ARUN DISTRICT COUNCIL
LEVEL 1 SFRA: APPENDIX F
AREAS SUSCEPTIBLE TO GROUNDWATER

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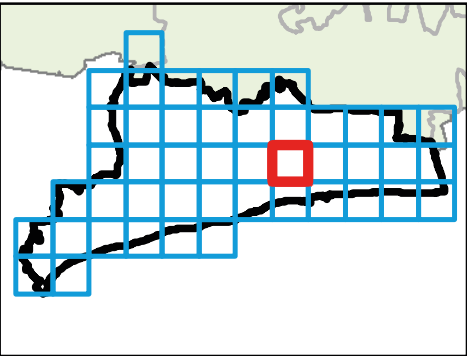
Notes

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 advice notice of the possibility of flooding, but before we are fully confident that flooding in Flood Warning Areas is expected.

Flood Warnings warn people of expected flooding and encourage them to take action to protect themselves and their property.

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

Key Plan



Legend

- Arun District SFRA boundary
- 065FWC2401
- 065FWF4903
- 065FWF4904
- 065FWF5301
- 065FWF5302
- 065FWF5007
- 065FWF5008
- 065FWC2601
- 065FWC2602
- 065FWC2501
- 065FWF5006
- 065FWF4901
- 065FWC2402
- 065FWC2402



REF	Date	Comments
A	June 2016	-
B		
C		

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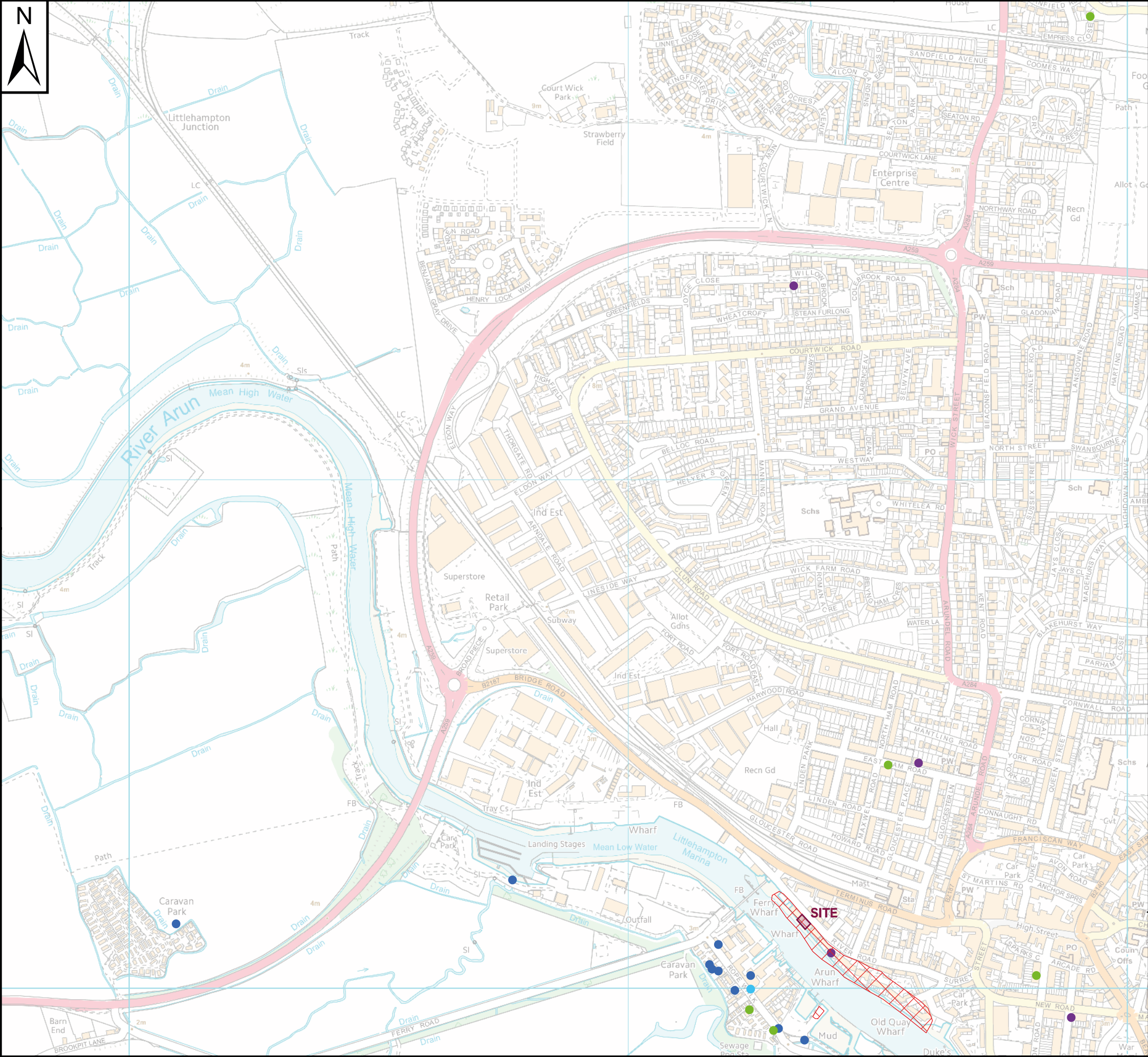
ARUN DISTRICT COUNCIL

LEVEL 1 SFRA: APPENDIX G
FLOOD WARNING AREAS

Sheet No: 25 of 46 Index Number: ADC_25

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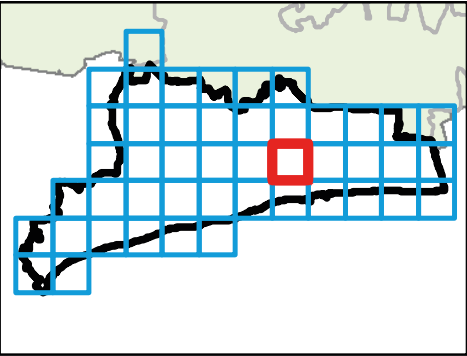
Notes

The Historic Flooding Map shows the recorded incidents and flood outlines provided by Arun District Council, West Sussex County Council, Southern Water and Environment Agency. Historical flood extent was obtained from the 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 Arun District Council for updated information post 2015.

Key Plan



Legend

- Arun District SFRA boundary
- Historic flood outline
- Fluvial
- Coastal
- Tidal
- Surface Water
- Failure
- Unknown



REF	Date	Comments
A	June 2016	-
B		
C		

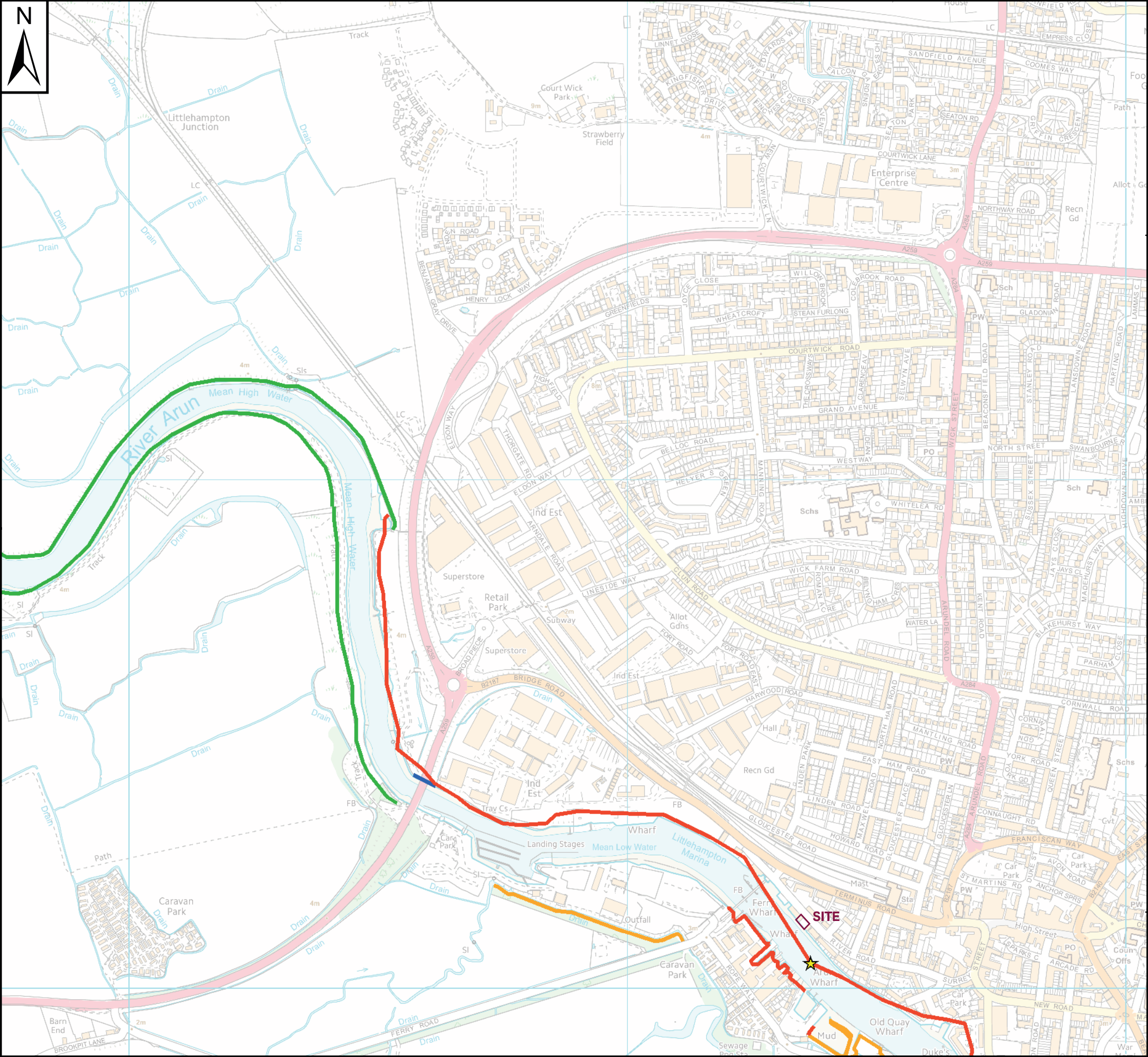
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LEVEL 1 SFRA: APPENDIX H
HISTORIC FLOODING RECORDS

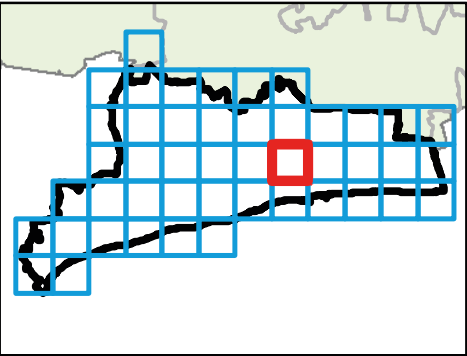
Sheet No: 25 of 46 Index Number: ADC_25

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Key Plan



Legend

- Arun District SFRA boundary
- Gap in Littlehampton defence
- Defence type and maintainer**
 - Embankment, Environment Agency
 - Embankment, Private
 - Embankment, Unknown
 - Wall, Environment Agency
 - Wall, Local Authority
 - Wall, Private
 - Shingle Beach, Environment Agency
 - Shingle Beach, Local Authority
 - Shingle Beach, Littlehampton Harbour
 - Shingle Beach, Private
 - Shingle Beach, Worthing Borough
 - Unknown



REF	Date	Comments
A	June 2016	-
B		
C		

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LEVEL 1 SFRA: APPENDIX I DEFENCES

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Appendix 3

Environment Agency Flood risk summary



[Back to select an address](#)

Flood risk summary

Your selected location: Riverside Autos, 47, River Road, Littlehampton, BN17 5BZ

This information tells you the flood risk of the land around a building, not the building itself.

[How we assess an area's flood risk](#)

The highest risks of flooding at this location are from **surface water** and **rivers and the sea**.

[Flood risk and climate change](#)

Surface water

[More about your surface water flood risk \(/surface-water\)](#)

Yearly chance of flooding

Very low

Low

Medium

High

Yearly chance of flooding between 2040 and 2060

Very low

Low

Medium

High

What surface water is

Surface water flooding is sometimes known as flash flooding. It happens when rainwater cannot drain away through normal drainage systems.

[Why surface water flooding is a problem](#)

63781 - 57 River Road, Littlehampton | Appendix 3 29

05/02/2025, 08:03

Flood risk summary - Check your long term flood risk - GOV.UK

Rivers and the sea

[More about your rivers and sea flood risk \(/rivers-and-sea\)](#)

Yearly chance of flooding

Very low	Low	Medium	High
----------	-----	--------	------

Yearly chance of flooding between 2036 and 2069

No data available

This data is currently unavailable. We'll publish the data when it becomes available.

What makes rivers and sea flooding more likely

Low-lying areas that are close to rivers or the sea are more likely to flood when water levels rise.

This information takes into account any flood defences.

[Why flood defences cannot completely prevent flooding](#)

Other flood risks

[More about groundwater and reservoirs \(/ground-water\)](#)

Groundwater

Flooding from groundwater is unlikely in this area.

Reservoirs

Flooding from reservoirs is unlikely in this area.

https://check-long-term-flood-risk.service.gov.uk/risk#

1/2

2/2