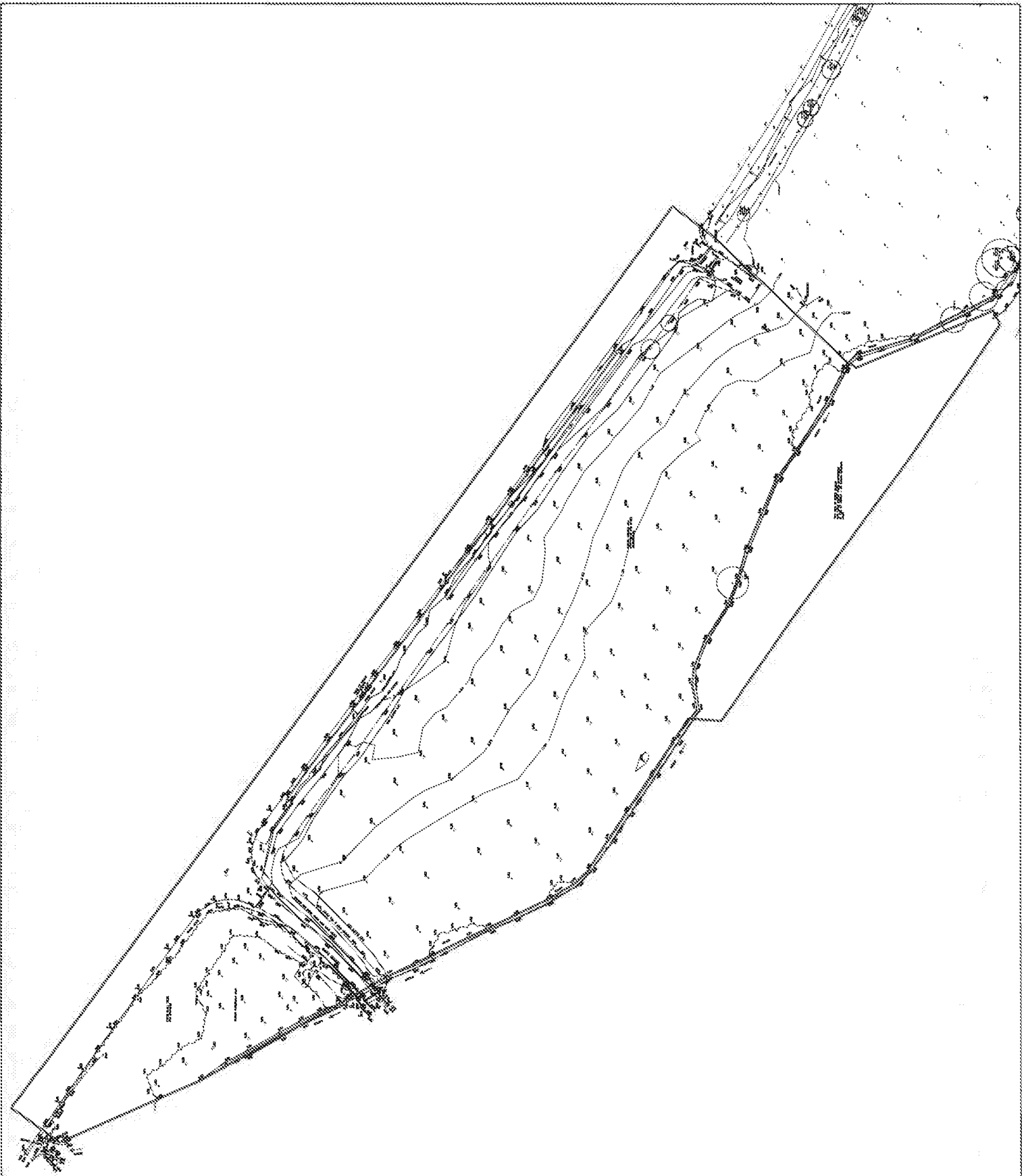
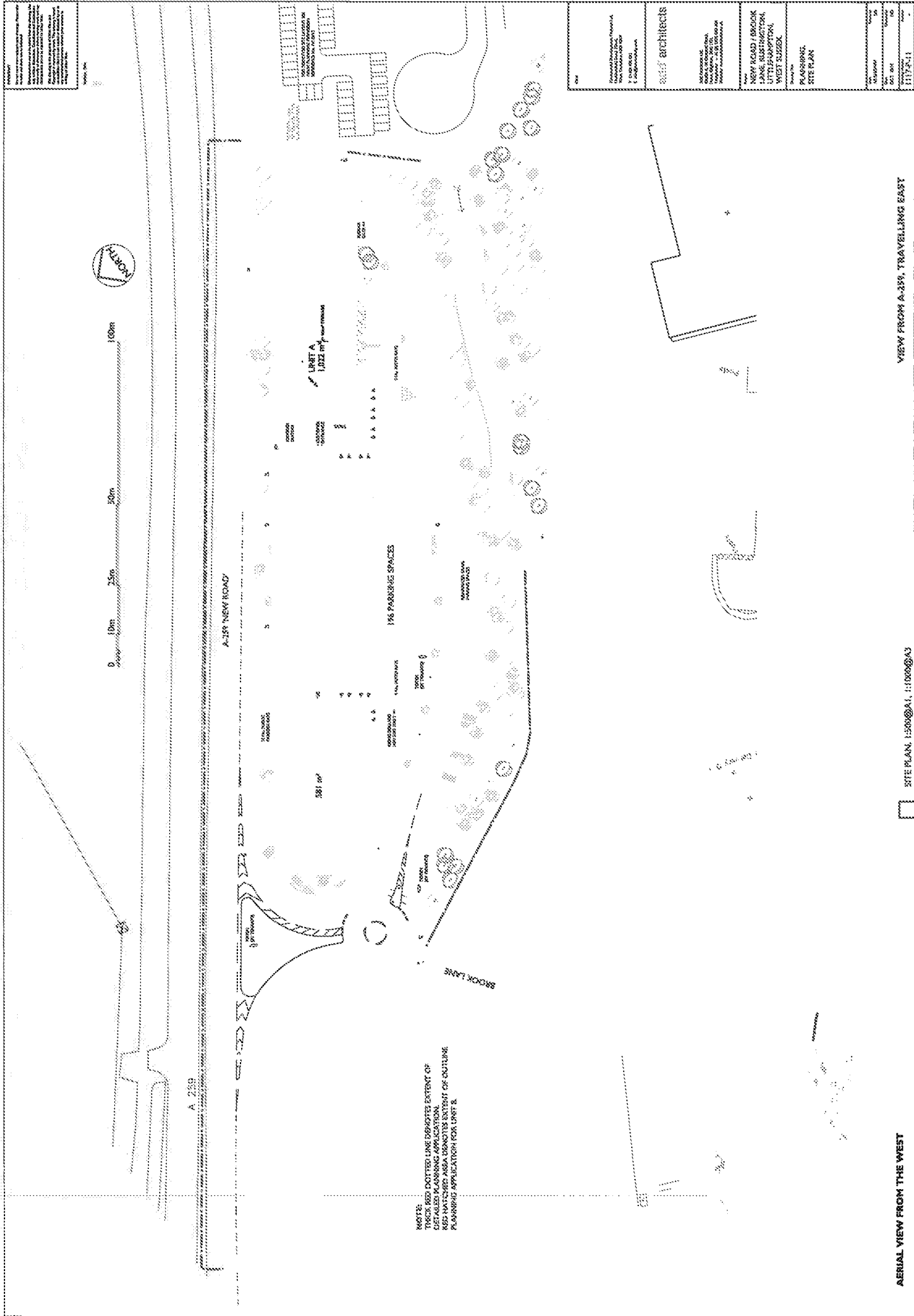






AERIAL VIEW FROM THE WEST

SITE PLAN 1:500 @ A1, 1:1000 @ A3

VIEW FROM A-359, TRAVELLING EAST

Appendix B EA Data

EA Product 4 Data provided:

- Confirmation letter dated 11th November 2014
- Flood map for Planning
- Surface Water Flood Map
- Email dated 19th November 2014 confirming River Arun climate changes levels unsuitable for use in FRA for site
- Lower Tidal River Arun Modelled Levels and Outlines

Tony Hughes
Caversham Bridge House
Waterman Place
Reading
Berkshire
RG1 8DN

Our ref: SSD/5271/CW
Your ref:

Date: 11/11/2014

Dear Sir

Provision of Product 4 for Land at New Road/Brook Lane, Rustington

Thank you for your request to use Environment Agency data. The information is attached.

If you have requested this information to help inform a development proposal, then you should note the detail in the attached advisory text on the use of Environment Agency Information for Flood Risk Assessments / Flood Consequence Assessments.

Supporting Information

This information is provided subject to the enclosed notice, which you should read.

Modelled Flood Levels

The following flood levels have been taken from the 2009 JFLOW Flood Zones Improvement study. These levels represent undefended fluvial flood risk. Please see attached map for node locations.

Flood Defences

There are no formal raised flood defences in this location.

Flood History

We have no records of this site being affected by previous flood events. However, I would suggest contacting Arun District Council for a more comprehensive flood history check.

If you have any queries or would like to discuss the content of this letter further please don't hesitate to contact me.

Yours faithfully

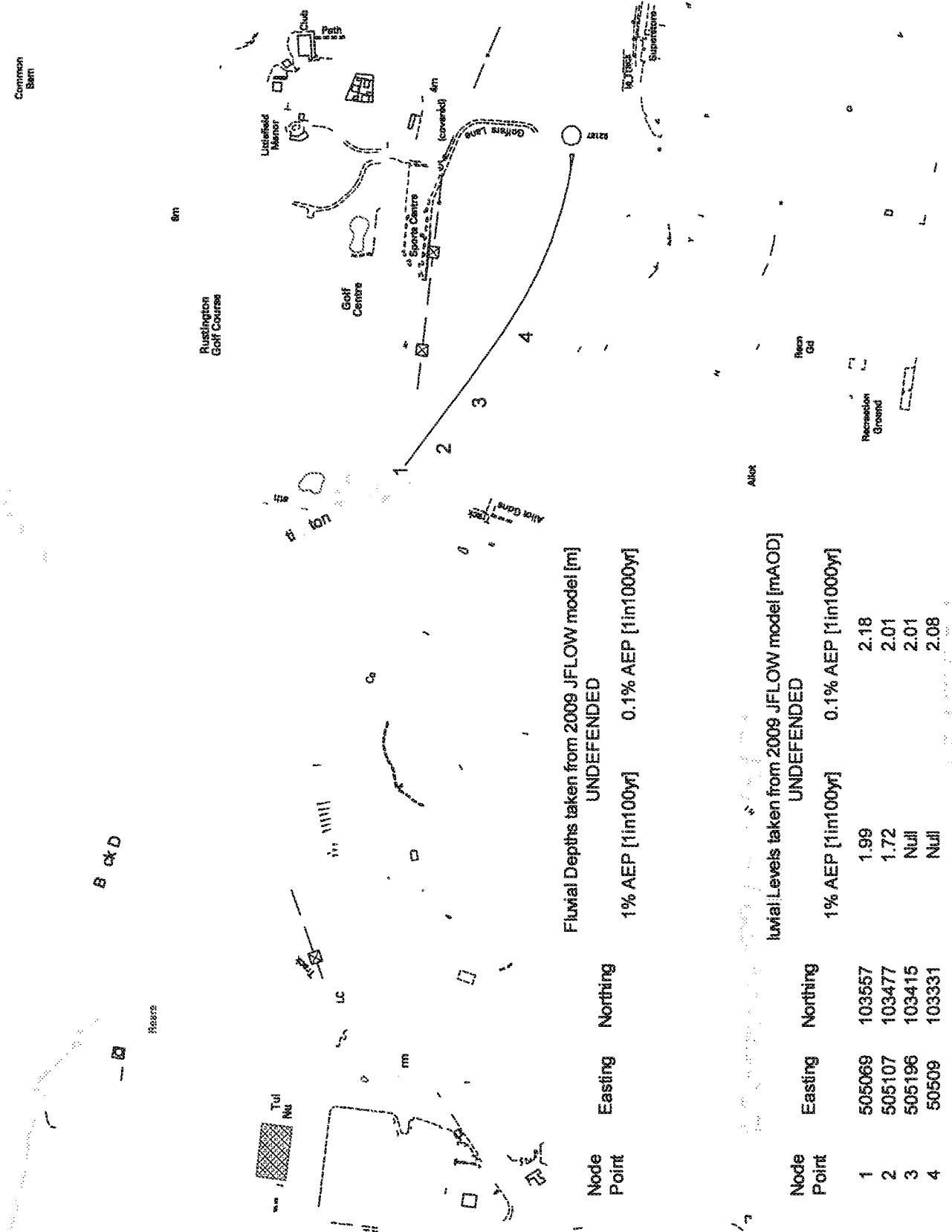
Jon Denman
FCRM Officer
Partnership and Strategic Overview Team – West Sussex



Enc. Detailed FRA/FCA Map, Risk of Flooding from Surface Water map
[Standard Notice]

Flood Map for Planning with Modelled Water Levels Centered on New Road/Brook Lane, Rustington

- Created 11/11/2014 [Ref: SSD/5271/CW]



John Pulsford

From: Denman, Jonathan [REDACTED]
Sent: 19 November 2014 16:35
To: Tony Hughes
Subject: RE: Our Ref SSD/5271/cw Product 4 Data Request - New Road/Brook Lane, Rustington, Littlehampton
Attachments: P4_Rustington_5271_CW_FloodMap_Levels2.pdf

Hi Tony,

I have attached a plan showing the extents and levels from the 2010 LTRAS modelling. 2070 climate change outputs are not available for the 2D results but 2115 outputs have been included.

Please note that these outputs only account for the tidal/fluvial impact from the Arun. No fluvial inputs have been accounted for the Rustington Stream and so these levels are not suitable for use in a FRA for the site south of the A259. In the absence of a 1in100yr+CC level for the Rustington Stream I would suggest using the 1in1000yr level.

Please let me know if you have any further questions.

Kind Regards
Jon

From: Tony Hughes [REDACTED]
Sent: 19 November 2014 09:58
To: Denman, Jonathan
Subject: RE: Our Ref SSD/5271/cw Product 4 Data Request - New Road/Brook Lane, Rustington, Littlehampton

Hi Jon

When do you think you will be able to provide the 2070 and 2115 climate change (fluvial and tidal) flood levels and extents, that we discussed last week, from the River Arun study?

Look forward to hearing from you.

Kind regards

Tony

From: Denman, Jonathan [REDACTED]
Sent: 11 November 2014 12:12
To: Tony Hughes
Cc: SSD Enquiries
Subject: RE: Our Ref SSD/5271/cw Product 4 Data Request - New Road/Brook Lane, Rustington, Littlehampton

Dear Mr Hughes,

Thank you for your email. Please find the requested information attached.

If you have any further questions please don't hesitate to contact me.

Kind Regards
Jon

Jon Denman

Partnership and Strategic Overview - West Sussex

Environment Agency
 Guildbourne House,
 Chatsworth Road,
 Worthing West Sussex
 BN11 1LD



Floods happen. Be prepared. [Check if you are at risk from flooding and sign up for FREE flood warnings.](#)

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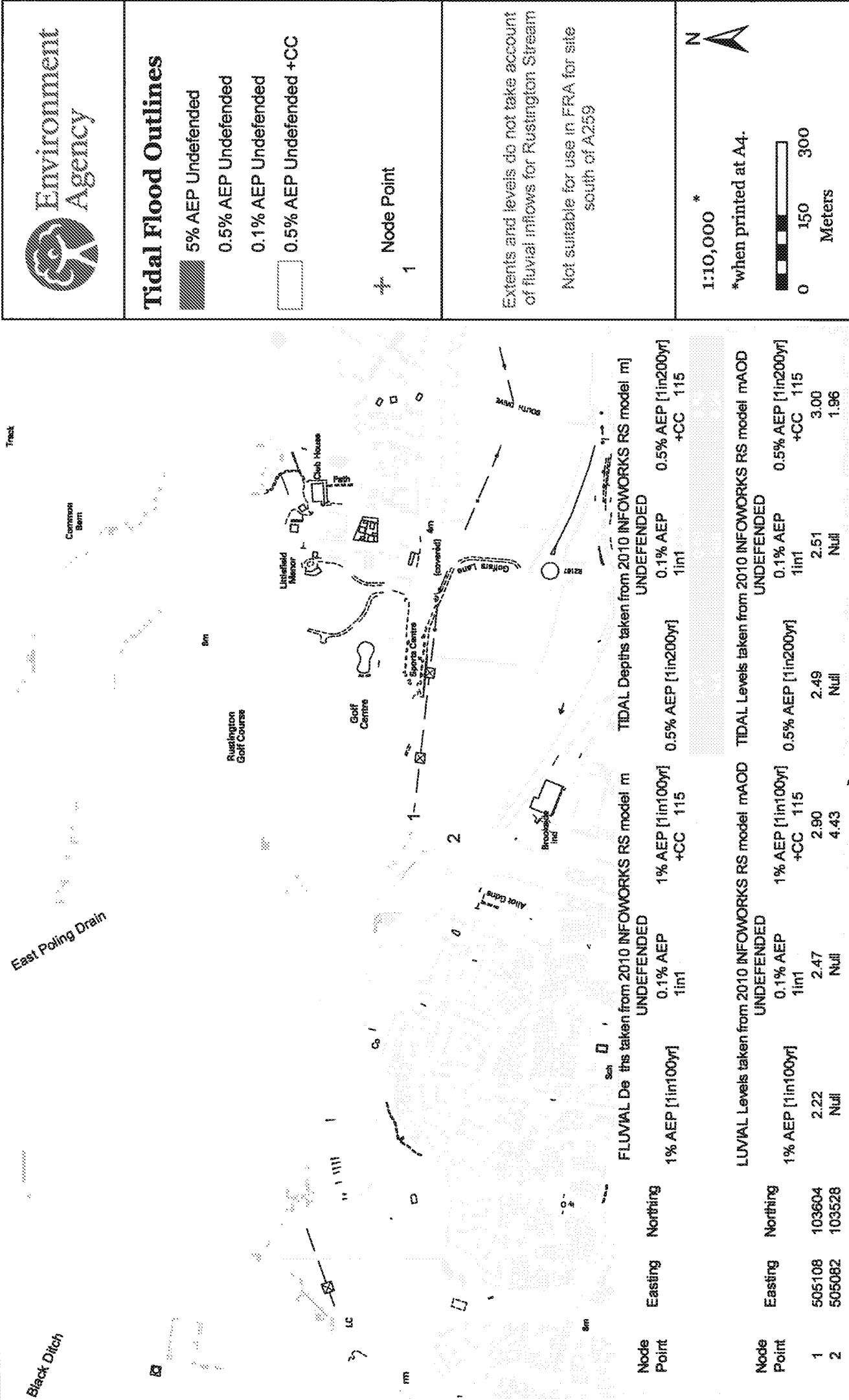
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Appendix C Other Documents

WSSC PFRA Figure 5-1 *'Flood Map for Surface Water'*

ADC SFRA Map C1-F *'Actual River Climate Change Extents (with defences)'*

ADC SFRA Map C1-T *'Actual Sea Climate Change Extents (with defences)'*

ADC SFRA Map G1 *'Indicative Risk of Groundwater'*

ADC SFRA Map H *'Historic Flood Events'*

ADC SFRA Map L *'Areas Prone to Flooding from the Land'*

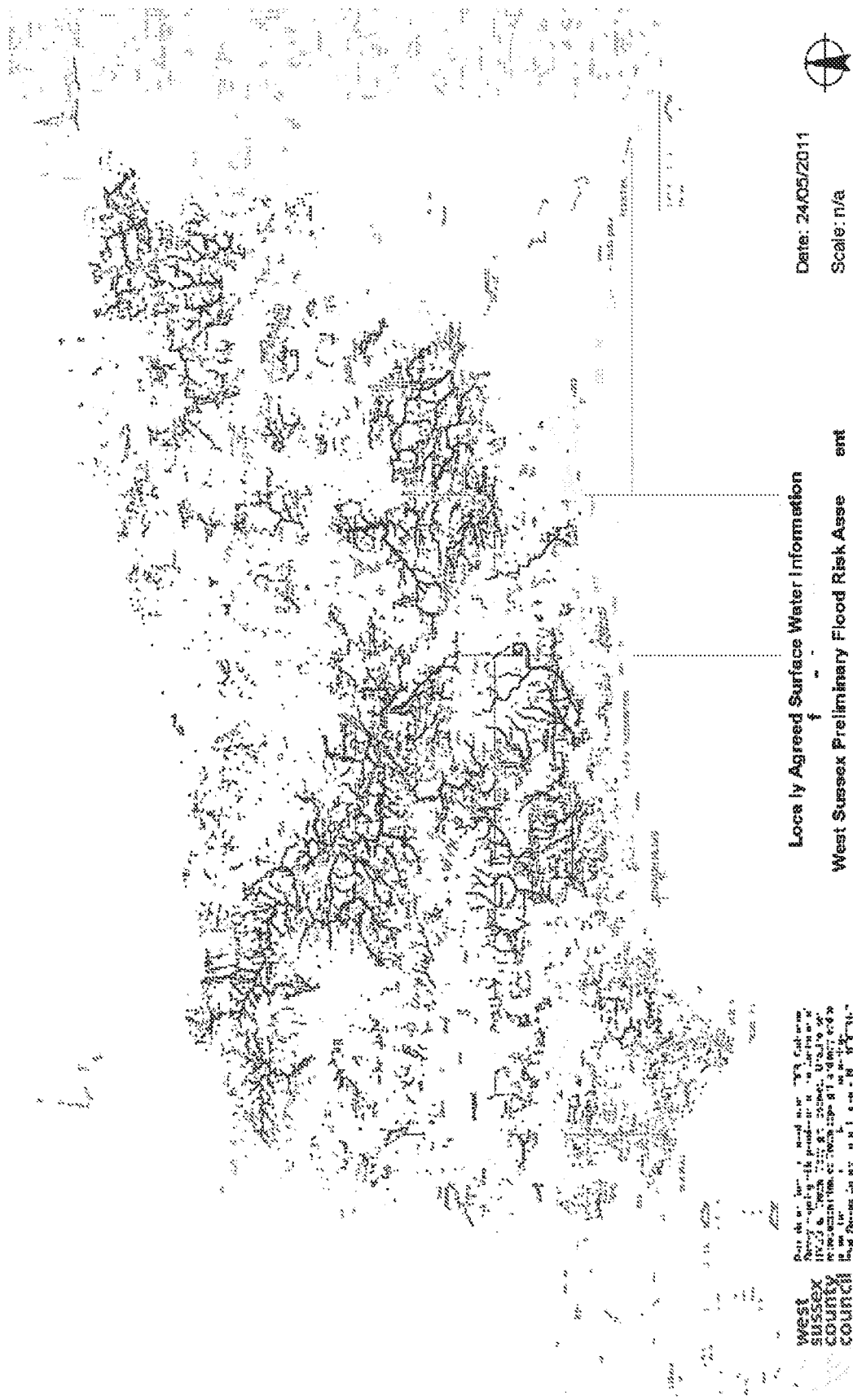


Figure 5.1 Flood Map for Surface Water (FMfSW) deep (>0.3m) flooding model



RTING

Notes:

The Arun SFRA is a strategic assessment of flooding. Users of the SFRA should be aware of this when interpreting the information presented. The user is directed to the SFRA reports which outline the uncertainties associated with the studies. Particular attention is drawn to the following:

- Flood extent boundaries are not considered definitive. Land adjacent to these areas may also be at risk.
- Some flooding mechanisms have not been included in the assessment. The coastal risk area is based on advice from LA Engineers and requires further assessment.

Arun District Council SFRA

Map C1-F - Actual River Climate Change Extents (with defences)

ARUN DISTRICT COUNCIL

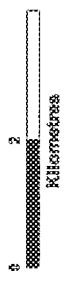
CAPITA S MONDS

Legend

Arun District Boundary

2050 Climate Change River Flood Extents (1% AEP Defended)

2108 Climate Change River Flood Extents (1% AEP Defended)

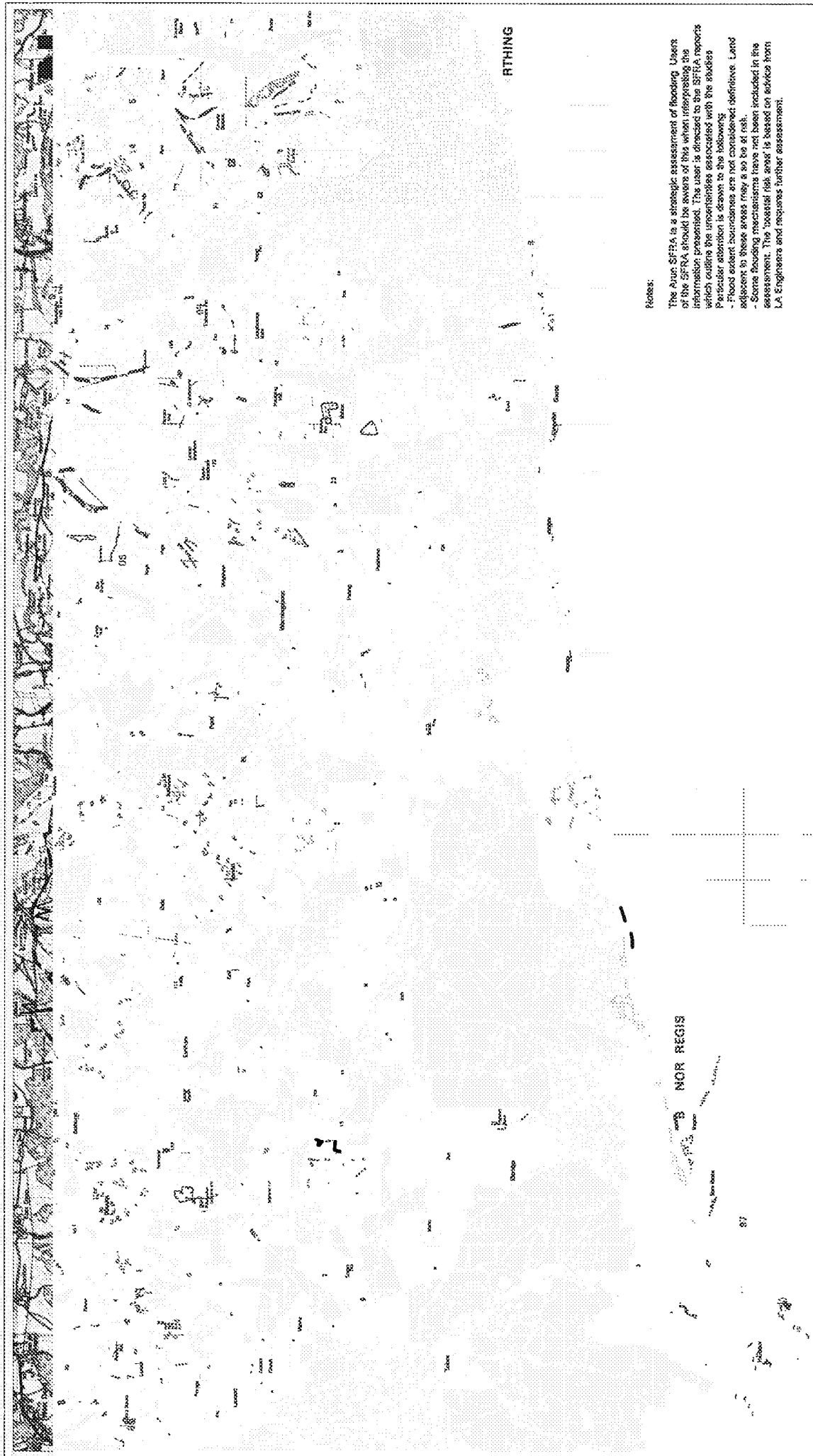


Scale at A3: 1:80,000

Date: 31/01/2008

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Map C1-F ver



Arun District Council SFRA

Map C1-T - Actual Sea Climate Change Extents (with defences)

ARUN
DISTRICT COUNCIL

CAPITA SYMONDS

Legend

- 2056 Climate Change Total Flooding Extents (0.5% AEP, defended)
- 2108 Climate Change Total Flooding Extents (0.5% AEP, defended)
- Coastal Risk Area

Notes:

The Arun SFRA is a strategic assessment of flooding. Users of the SFRA should be aware of this when interpreting the information presented. The user is directed to the SFRA reports which outline the uncertainties associated with the studies. Particular attention is drawn to the following:

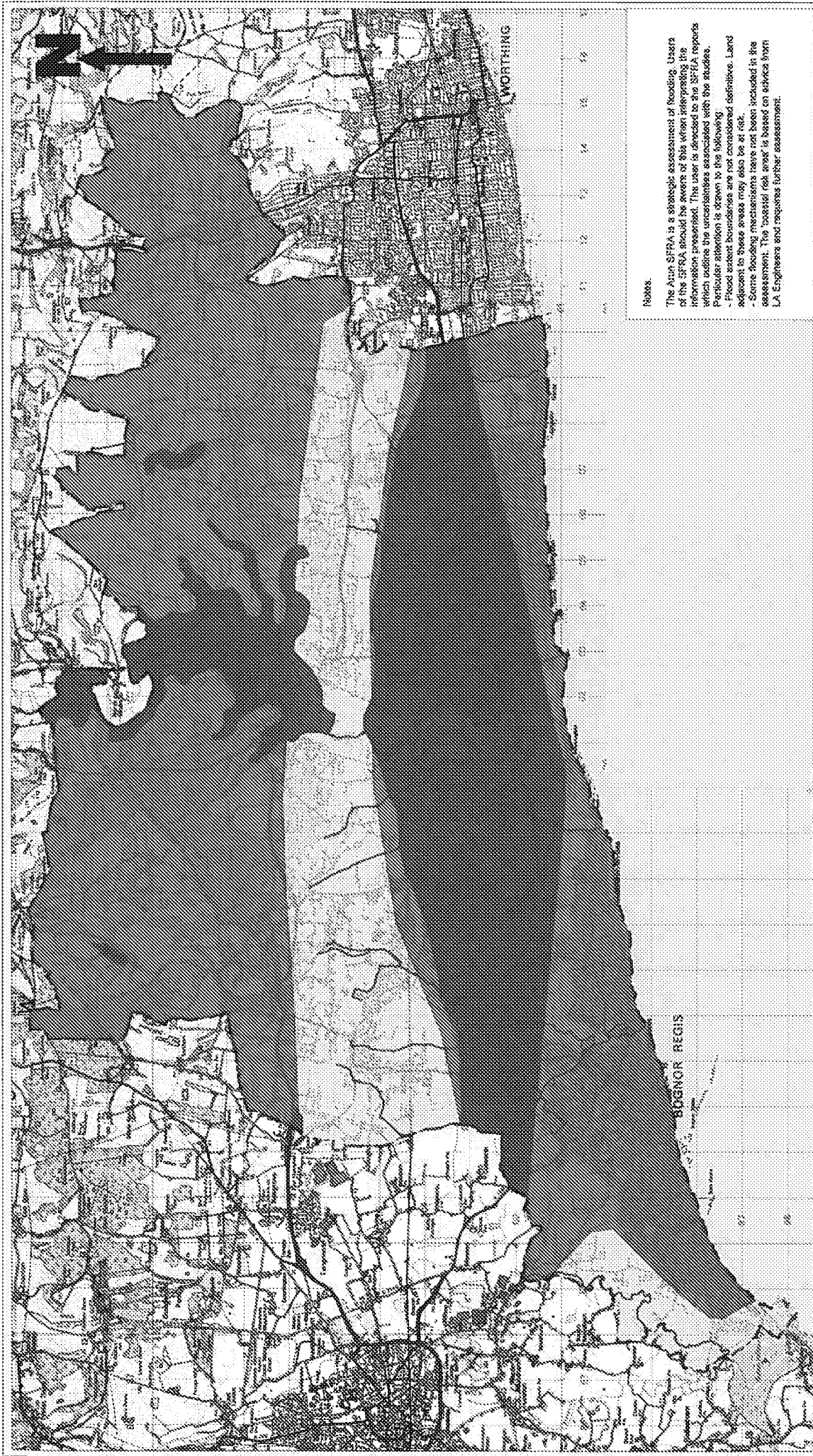
- Flood extent boundaries are not considered definitive. Land adjacent to these areas may also be at risk.
- Some flooding mechanisms have not been included in the assessment. The 'coastal risk area' is based on advice from LA Engineers and requires further assessment.

Scale at A3: 1:50,000

Date: 31/01/2008

Scale bar: 0 2 4 Kilometres

Map: wpr



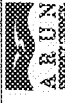
Notes:

The Arun SFRA is a strategic assessment of flooding. Users of the SFRA should be aware of this when interpreting the information presented. This user is directed to the SFRA reports which outline the uncertainties associated with the studies. Particular attention is drawn to the following:

- Flood extent boundaries are not considered definitive. Land adjacent to these areas may also be at risk.
- Some flooding mechanisms have not been included in the assessment. The 'coastal risk area' is based on advice from LA Engineers and requires further assessment.

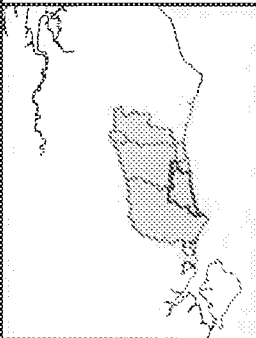
Arun District Council SFRA

Map G1 - Indicative Risk of Groundwater Flooding



CAPITA SYMONDS

- Legend**
- Arun District Boundary
 - Main River
 - Groundwater Emergence Zones
 - Groundwater Flood Risk
 - High
 - Medium



0 2 4
Kilometres

Scale at A3: 1:50,000

Date: 31/01/2008

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Map G1.wor



Notes

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- Flood extent boundaries are not considered definitive. Land adjacent to these areas may also be at risk.
- Some flooding mechanisms have not been included in the assessment. The coastal risk area is based on advice from LA Engineers and requires further assessment.

Arun District Council SFRA

Map H - Historic Flood Events



CAPITA SYMONDS

Legend

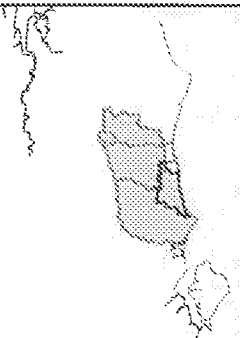
--- Arun District Boundary

Historic Flood Events - Points

- Coastal
- Tidal
- Fluvial
- Surface Water
- Sewer
- Felure
- Unknown

Historic Flood Events - Areas

- Coastal
- Tidal
- Fluvial
- Surface Water
- Unknown

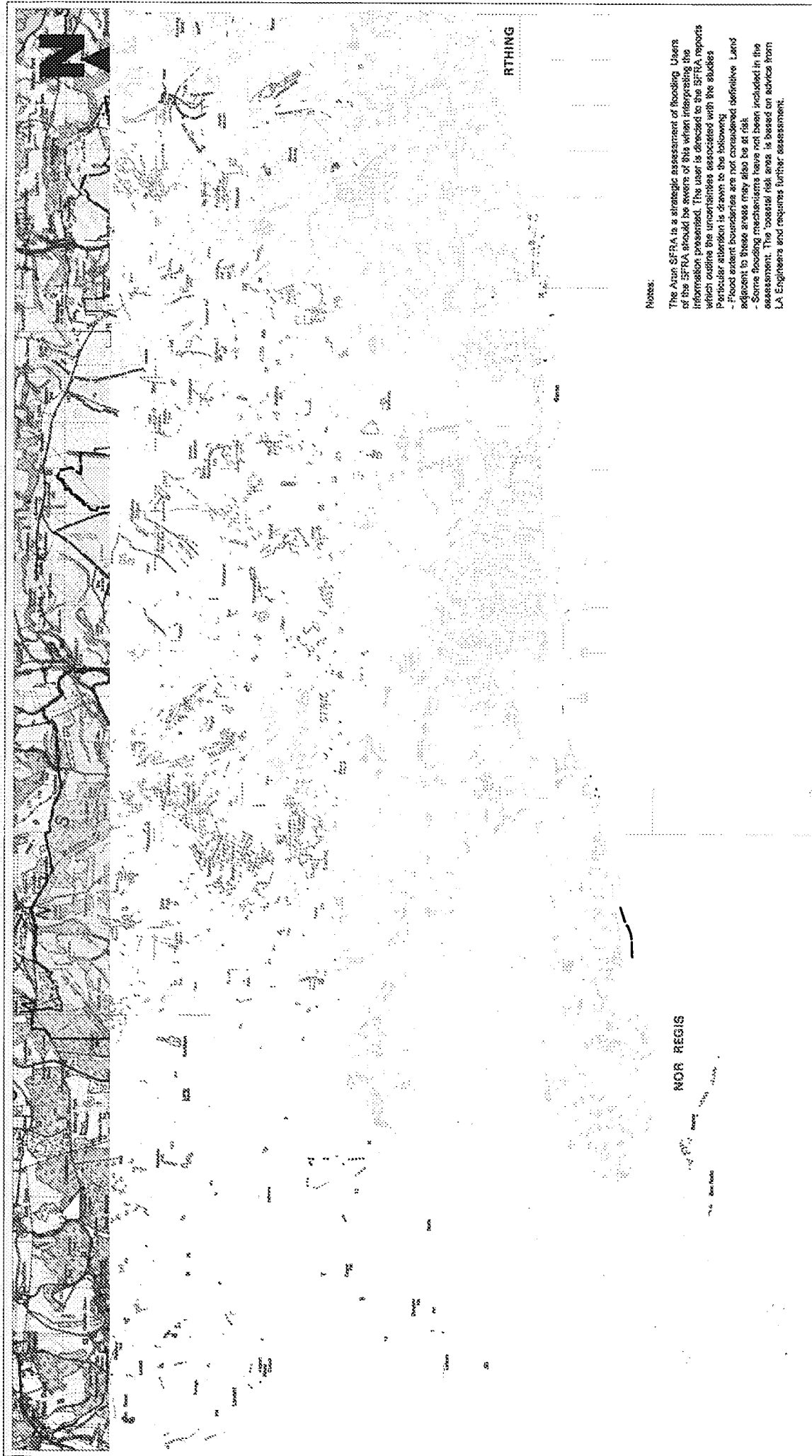


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Map_H1.doc



Arun District Council SFRA

Map L - Areas Prone to Flooding from the Land



CAP TA SYMONDS

Legend

Arun District Boundary

Main River

Historic Surface Water Flooding

Point

Risk of Flooding from Land

Low to Medium
Medium to High
Urban



Scale at A3: 1:50,000

Date: 31/01/2008

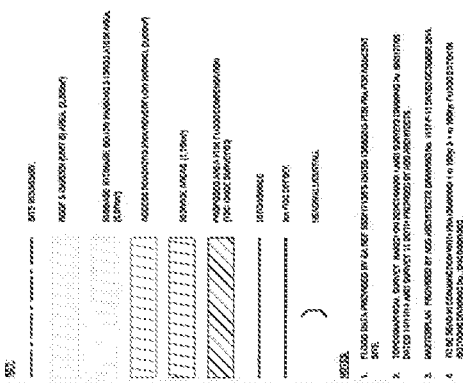
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Map L - ver

Appendix D Fluvial Flood Extents and Surface Water Drainage Strategy

PBA drawings (all pre-fixed 32447/4001):

- 001 - Fluvial Flood Extents
- 003 - Sections Sheet 1
- 004 - Sections Sheet 2
- 005 - Surface Water Drainage Strategy

[illegible]

NEW ROAD/BROOK LANE, RUSTINGTON,
LITTLEHAMPTON

SURFACE WATER DRAINAGE STRATEGY

CDP

Order # 10001005

Order by 02.12.14

Order No. 1005

ASL SECTION

Quantity ordered 1

Quantity 1

Created by JNP

Created on 02/12/14

Order # 324474001005

Order A

