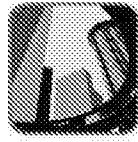


Appendix N

Illustrative Masterplan





Project
FORD AIRFIELD

Drawing Title
Illustrative Masterplan

Date
31.05.19

Scale
1:2500@A1

Drawn by
DS

Check by
D.S.

Project No
23885

Drawing No
RG-M-78

Revision
P



BARTON WILLMORE

Planning • Master Planning & Urban Design • Architecture • Landscape Planning & Design • Environmental Planning • Graphic Communication • Public Engagement • Development Economics

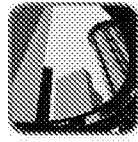
bartonwillmore.co.uk



Offices at Birmingham Bristol Cambridge Cardiff Ebbw Vale Edinburgh Leeds London Manchester Newcastle Reading Southampton

Appendix O

Flood Risk Maps



Jacob Cronin
JNP Group
Link House
St. Mary's Way
Chesham, Bucks
HP5 1HR

Our ref: SSD90158

Date: 18/07/2018

Dear Jacob,

Enquiry Regarding Product 4 for Flood Risk Assessment for Ford Airfield, Ford Rd, Arundel, BN18 0FL

Thank you for your enquiry which was received on 19 June 2018.

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

The information on Flood Zones in the area relating to this address is as follows:

The site is in an area located within Flood Zone 3 as shown on our Flood Map for Planning (Rivers and Sea).

Note - This information relates to the area that the above named property is in and is not specific to the property itself as it is influenced by factors such as the height of door steps, air bricks or the height of surrounding walls. We do not have access to this information and is not currently used in our flood modelling.

Flood Zone definitions can be found at www.gov.uk/guidance/flood-risk-and-coastal-change#Table-1-Flood-Zones

Flood Defences

There are flood defences in the form of an embankment. The Asset ID is 156345. The upstream crest level is 4.01 and the downstream is 4.07. The estimated standard of protection is 1 in 200 years (0.5% AEP). The estimated condition grade is good.

Model Information

The model used was the Arun to East Head Model which was completed by JBA Consulting in 2016.

Flood History

We hold no record of previous flooding events affecting this site.

Please note our records are not comprehensive and may not include all events. I recommend contacting the Lead Local Flood Authority, **West Sussex County Council** or the Local Authority, **Arun District Council** for a more comprehensive flood history check.

FRA advisory text

Name	Product 4
Description	Detailed Flood Risk Assessment Map for Ford Airfield, Ford Road, Arundel, BN18 0FL
Licence	<u>Open Government Licence</u>
Information Warnings	None
Information Warning - OS background mapping	<i>The mapping of features provided as a background in this product is © Ordnance Survey. It is provided to give context to this product. The Open Government Licence does not apply to this background mapping. You are granted a non-exclusive, royalty free, revocable licence solely to view the Licensed Data for non-commercial purposes for the period during which the Environment Agency makes it available. You are not permitted to copy, sub-license, distribute, sell or otherwise make available the Licensed Data to third parties in any form. Third party rights to enforce the terms of this licence shall be reserved to OS.</i>
Attribution	Contains Environment Agency information © Environment Agency and/or database rights. Contains Ordnance Survey data © Crown copyright 2017 Ordnance Survey 100024198.

Data Available Online

Many of our flood datasets are available online:

- Flood Map For Planning ([Flood Zone 2](#), [Flood Zone 3](#) ,[Flood Storage Areas](#), [Flood Defences](#), [Areas Benefiting from Defences](#))
- [Risk of Flooding from Rivers and Sea](#)
- [Historic Flood Map](#)
- [Current Flood Warnings](#)

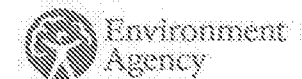
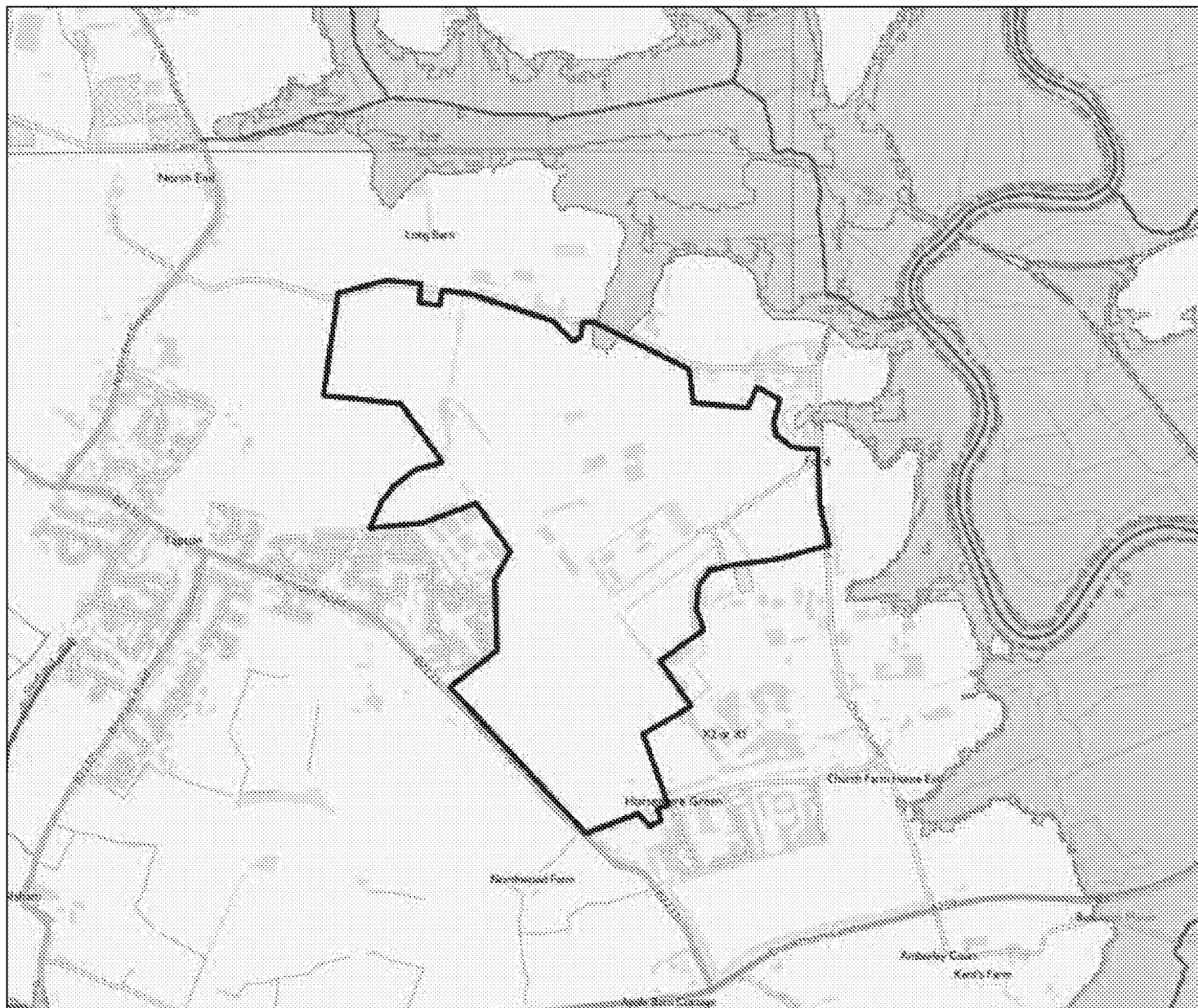
Please get in touch if you have any further queries or contact us within two months if you'd like us to review the information we have sent.

Yours sincerely,

Leanne Prentice

FCRM Officer - PSO West Sussex

Flood Map for Planning (Rivers and Sea). Centred on Ford Airfield. Created 9/7/18.



Scale 1: 20,000



Flood Map for Planning (Rivers & Sea)

- Sealed Main Rivers
- Defences
- Flood Storage Areas
- Areas benefiting from flood defences
- Flood Zone 3
- Flood Zone 2

Flood Map Areas (assuming no defences)

Flood Zone 3 shows the area that could be affected by flooding:

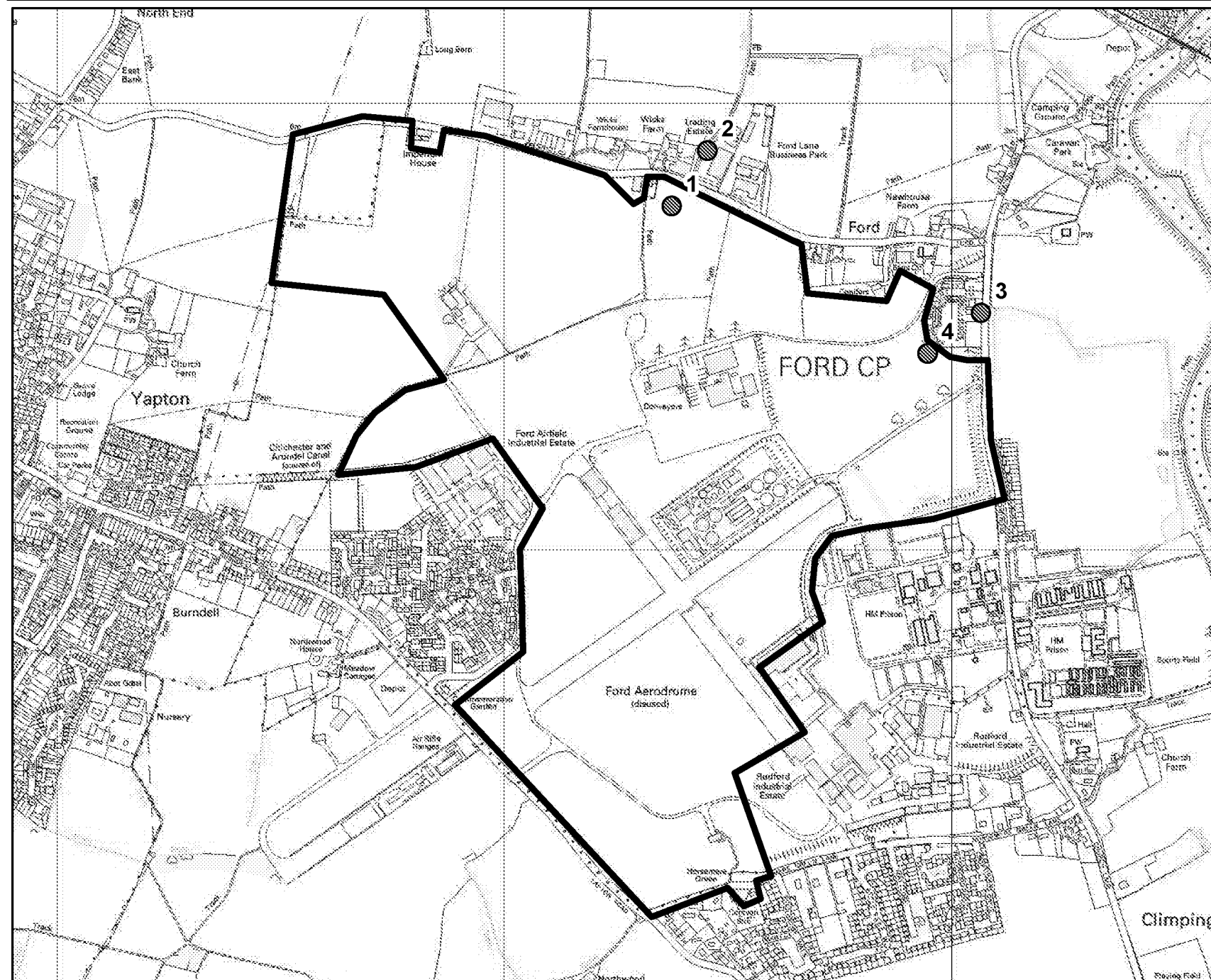
- from the sea with a 1 in 200 or greater chance of happening each year
- or from a river with a 1 in 100 or greater chance of happening each year.

Flood Zone 2 shows the extent of an extreme flood from rivers or the sea with up to a 1 in 1000 chance of occurring each year.

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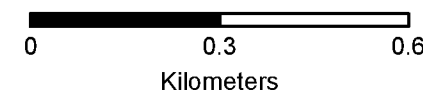
Site Boundary & Node Point Map. Centred BN18 0FL. Created 18/7/18.



Legend

-  Site Nodes
-  Site Boundary

Scale: 1:12,000



Product 4 Flood Risk Data Requested by: JNP Group

Site: Ford Airfield, Ford Road, Arundel, BN18 0FL

Table 1: Water Levels: Tidal Undefended

Node Ref	NGR		Modelled Flood Levels in Metres			
	Eastings	Northings	Undefended Annual Exceedance Probability			
			0.5%	0.5% (2070)	0.5% (2115)	0.1%
1	499374	103769	N/A	N/A	4.04	N/A
2	499454	103892	N/A	3.22	4.04	2.83
3	500066	103529	2.58	3.33	4.13	3.02
4	499946	103438	N/A	N/A	4.13	N/A

Table 2: Water Depth: Tidal Undefended

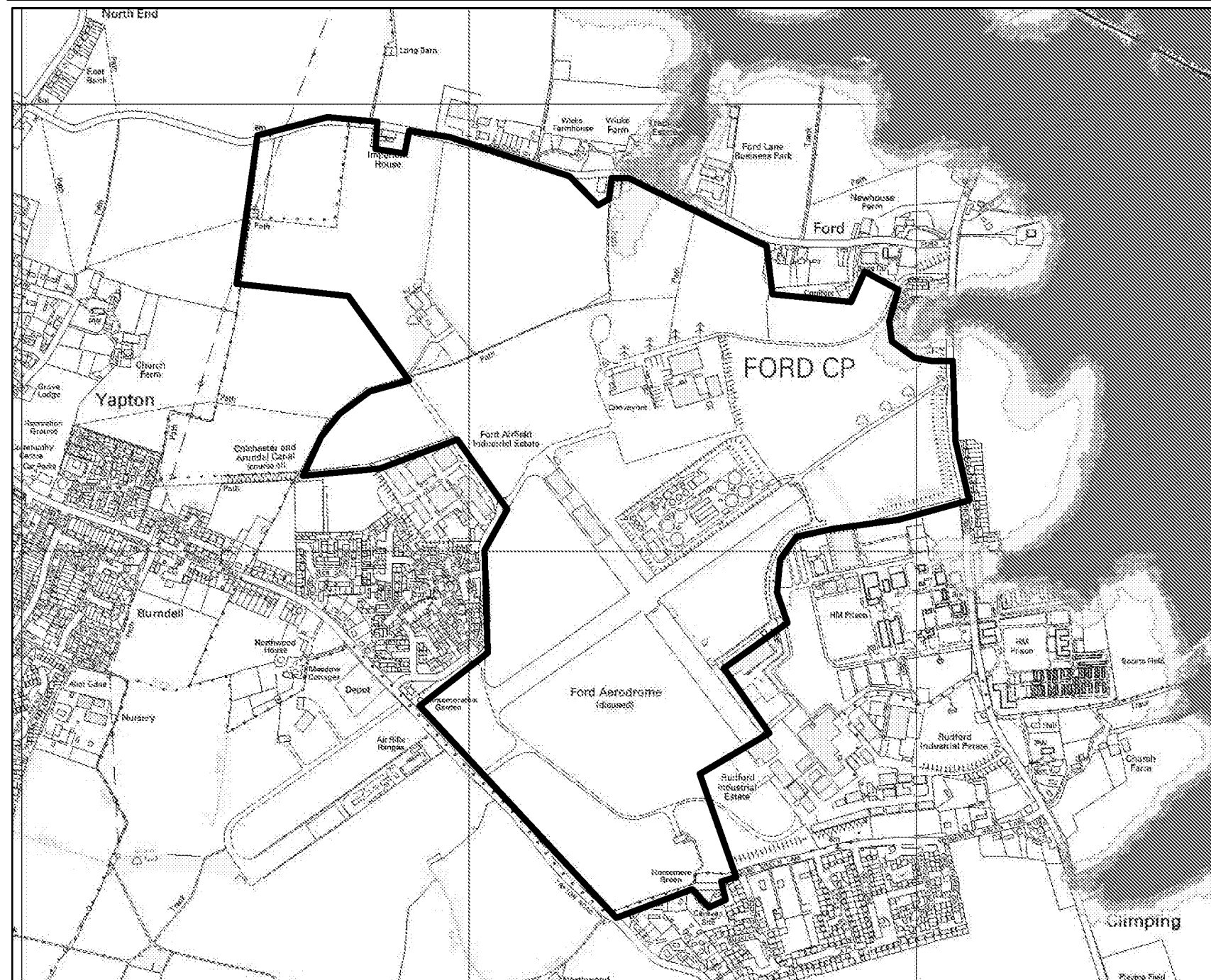
Node Ref	NGR		Modelled Flood Depths in Metres			
	Eastings	Northings	Undefended Annual Exceedance Probability			
			0.5%	0.5% (2070)	0.5% (2115)	0.1%
1	499374	103769	N/A	N/A	0.50	N/A
2	499454	103892	N/A	0.36	1.18	0.10
3	500066	103529	0.18	0.84	1.64	0.53
4	499946	103438	N/A	N/A	0.38	N/A

All levels taken from: Arun to East Head Model (2016)

Produced on: 18/07/2018

There is no additional information or health warnings for these levels/depths or the model from which they have been produced.

Modelled Flood Outlines (Undefended Tidal) Map. Centred BN18 0FL. Created 18/7/18.



Environment
Agency



Legend



Site Boundary



0.5% AEP (Undefended Tidal)



0.1% AEP (Undefended Tidal)



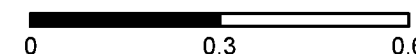
0.5% AEP (2070) (Undefended Tidal)



0.5% AEP (2115) (Undefended Tidal)

Annual Exceedance Probability (AEP) The probability of a flood of a particular magnitude, or greater occurring in any given year.

Scale: 1:12,000



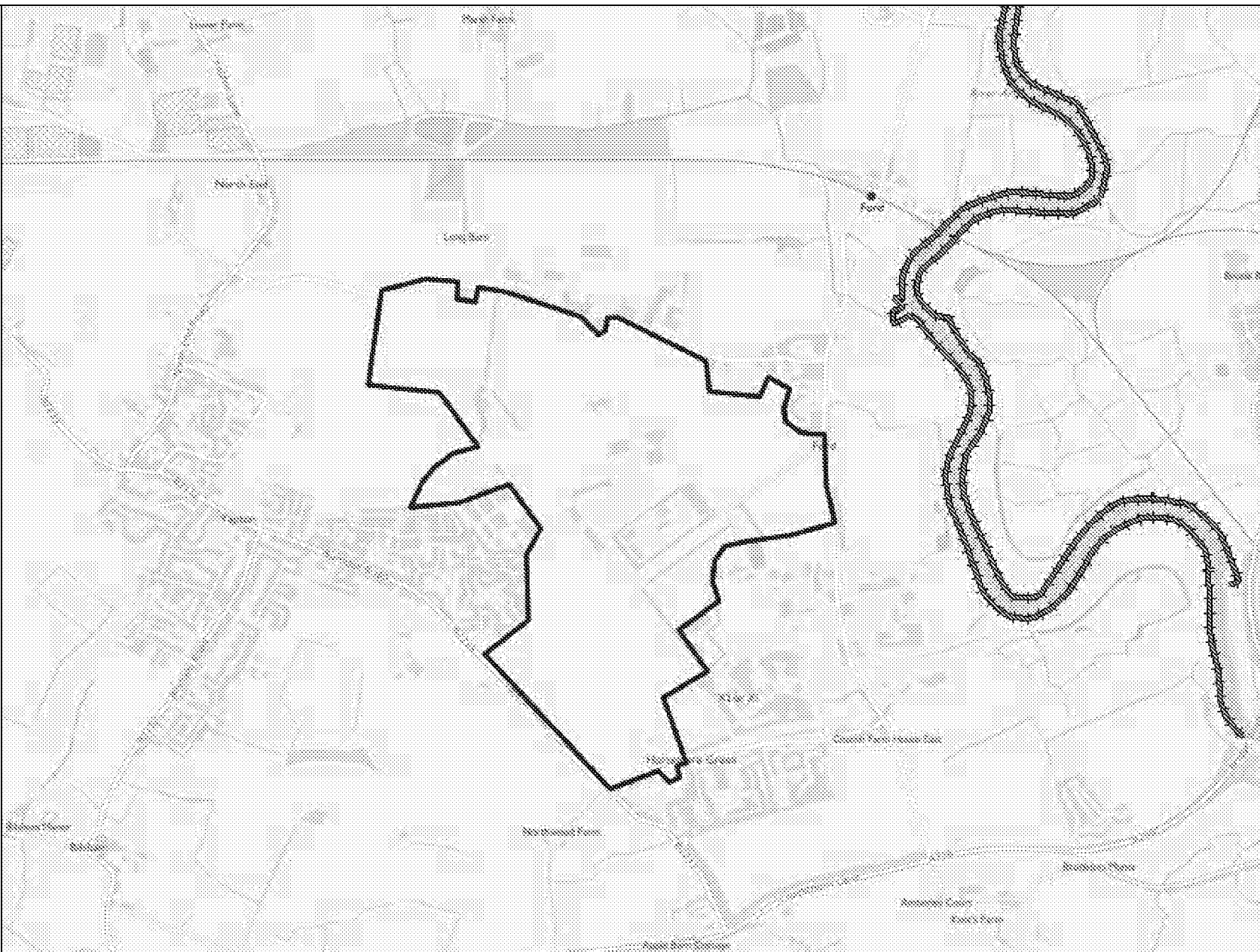
0 0.3 0.6
Kilometers

AIMS Flood Defence Map. Centred on Ford Airfield. Created 9/7/18.

Legend

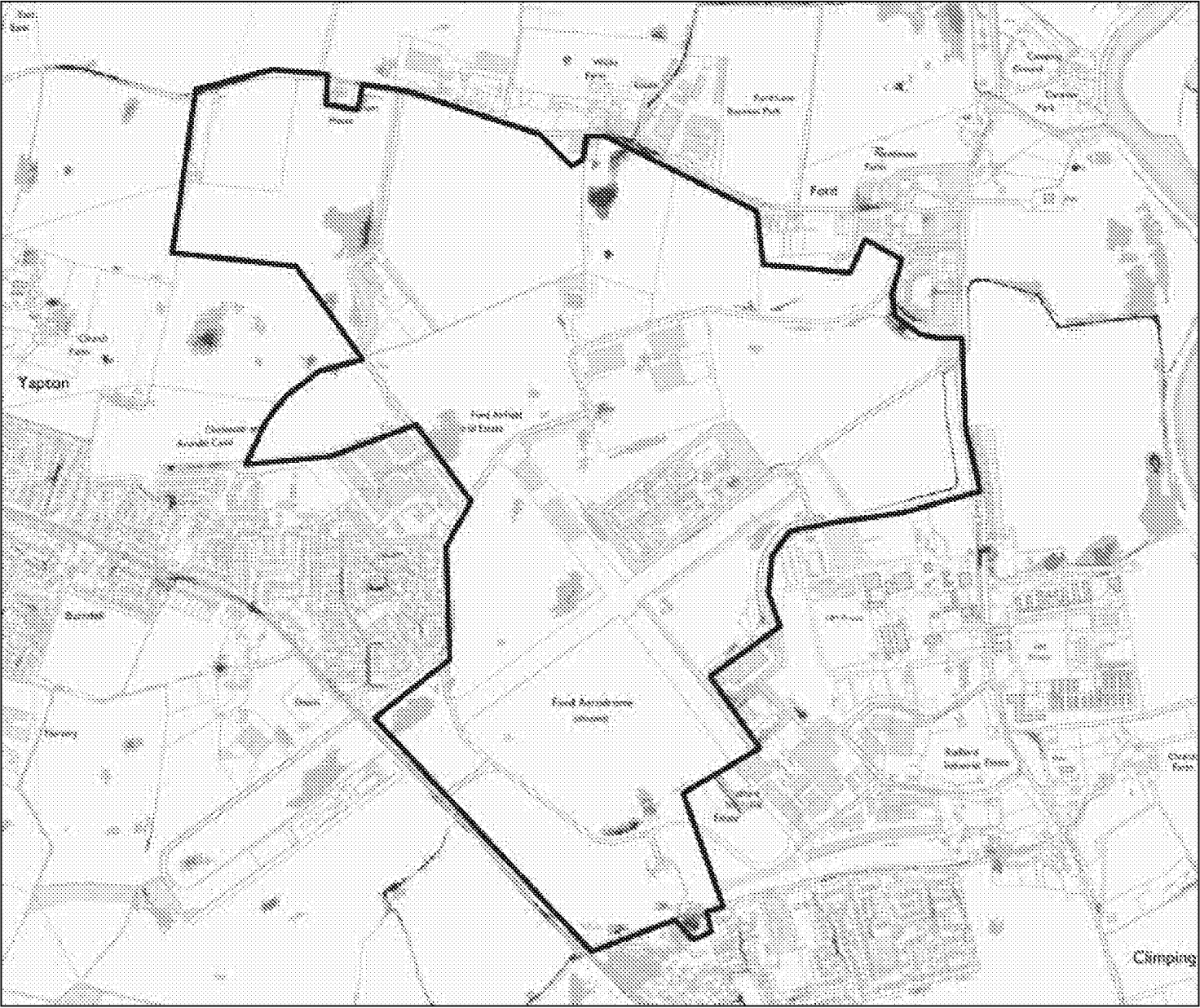
Defences (EA maintained)

- | | |
|---|------------------------|
|  | Asset type not defined |
|  | Embankment |
|  | Wall |
|  | Flood Gate |
|  | Demountable Defence |
|  | Bridge Abutment |
|  | High Ground |
|  | Beach |
|  | Barrier Beach |
|  | Promenade |
|  | Quay |
|  | Cliff |
|  | Dunes |



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Risk of flooding from Surface Water. Centred on Ford Airfield. Created 9/7/18.



Scale 1:12,500



Likelihood of flooding from Surface Water

-  High ($\geq 3.3\%$)
 Medium ($3.3\% - 1\%$)
 Low ($1\% - 0.1\%$)
 Very Low

Likelihood of flooding from Surface Water

- | | |
|-----------|---|
| High: | Greater than or equal to 3.3% (1 in 30) chance in any given year |
| Medium: | Less than 3.3% (1 in 30) but greater than or equal to 1% (1 in 100) chance in any given year |
| Low: | Less than 1% (1 in 100) but greater than or equal to 0.1% (1 in 1,000) chance in any given year |
| Very Low: | Less than 0.1% (1 in 1,000) chance in any given year |

This information is shown on the Risk of Flooding from Surface Water map on our website.

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