

## Industrial Land Use Map

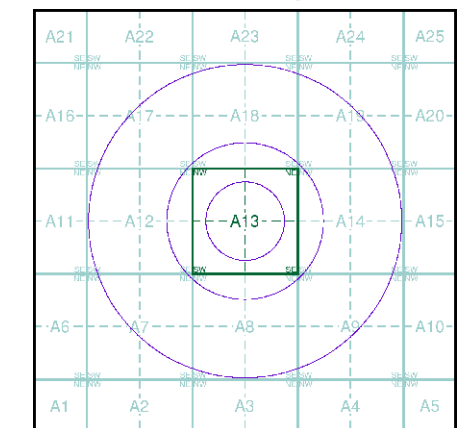
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

### Industrial Land Use Map - Slice A

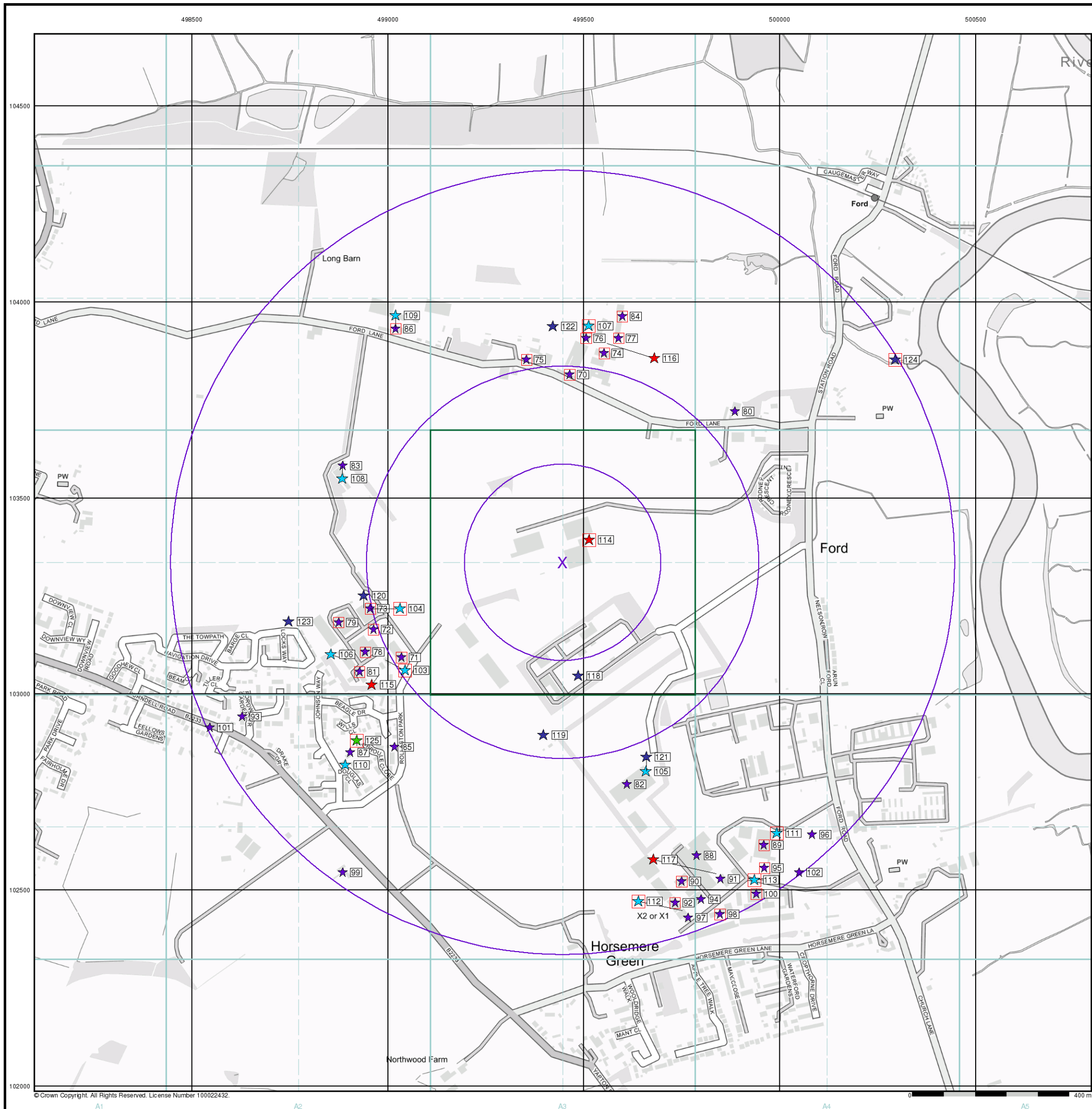


### Order Details

Order Number: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
 Slice: A  
 Site Area (Ha): 0.01  
 Search Buffer (m): 1000

### Site Details

Site at, Arundel, West Sussex





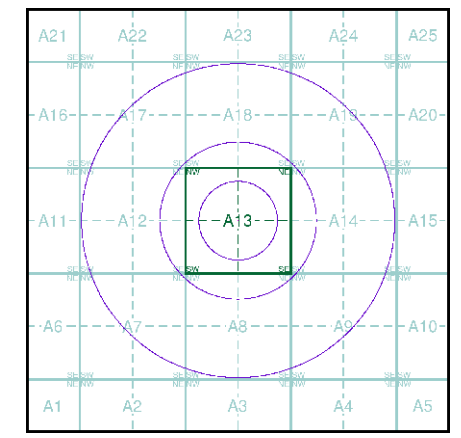
**General**

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Agency and Hydrological (Flood)**

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

**Flood Map - Slice A**



**Order Details**

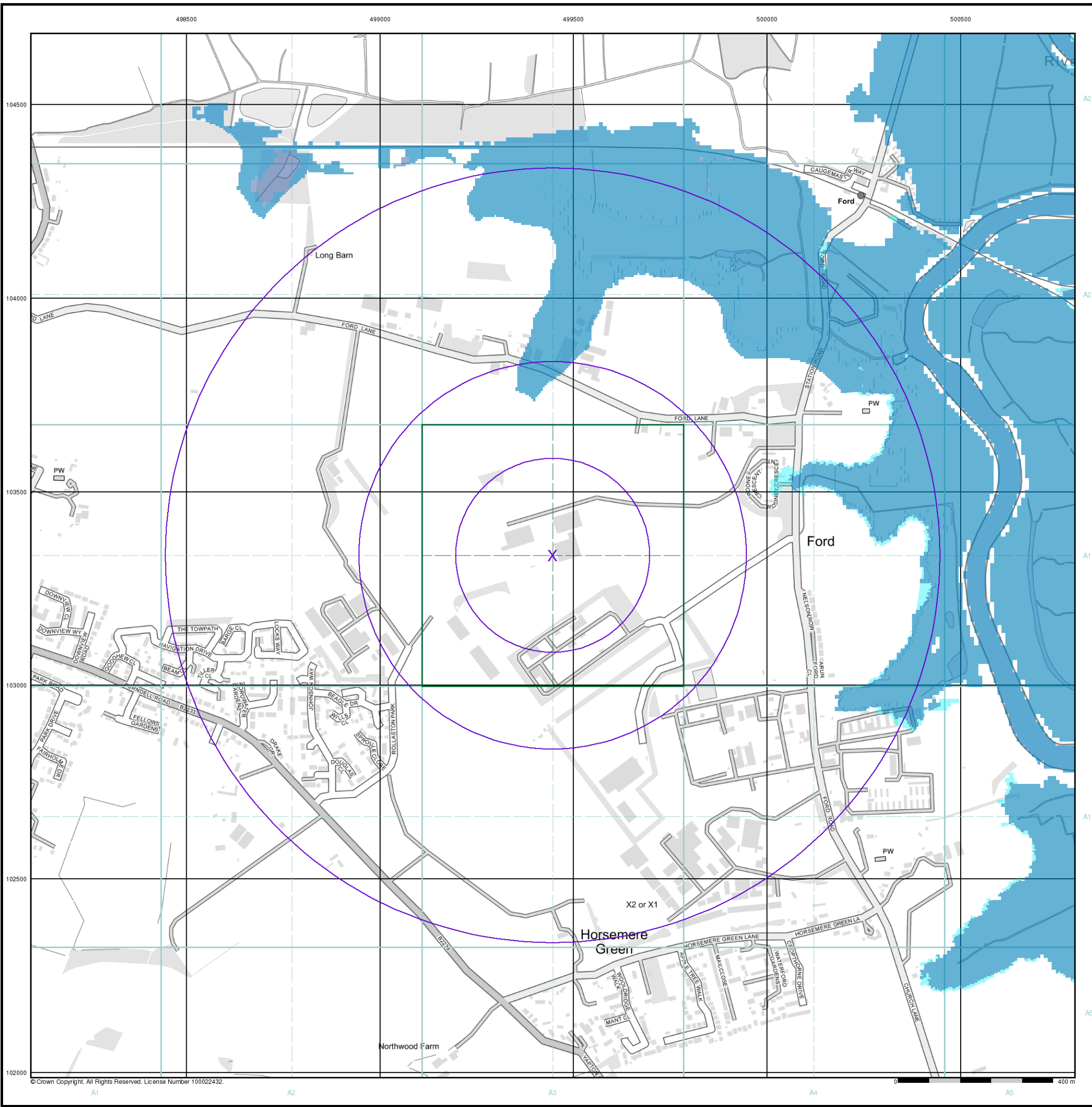
Order Number: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
 Slice: A  
 Site Area (Ha): 0.01  
 Search Buffer (m): 1000

**Site Details**

Site at, Arundel, West Sussex



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



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**General**

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

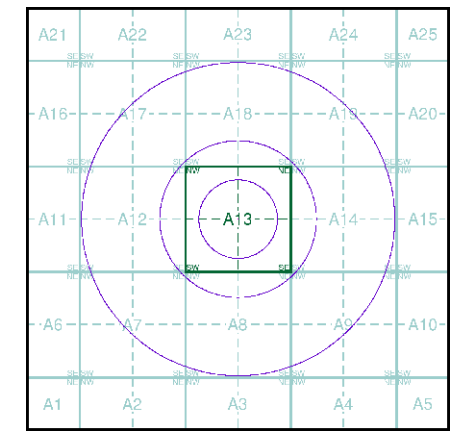
**Agency and Hydrological (Boreholes)**

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

**Borehole Map - Slice A**



**Order Details**

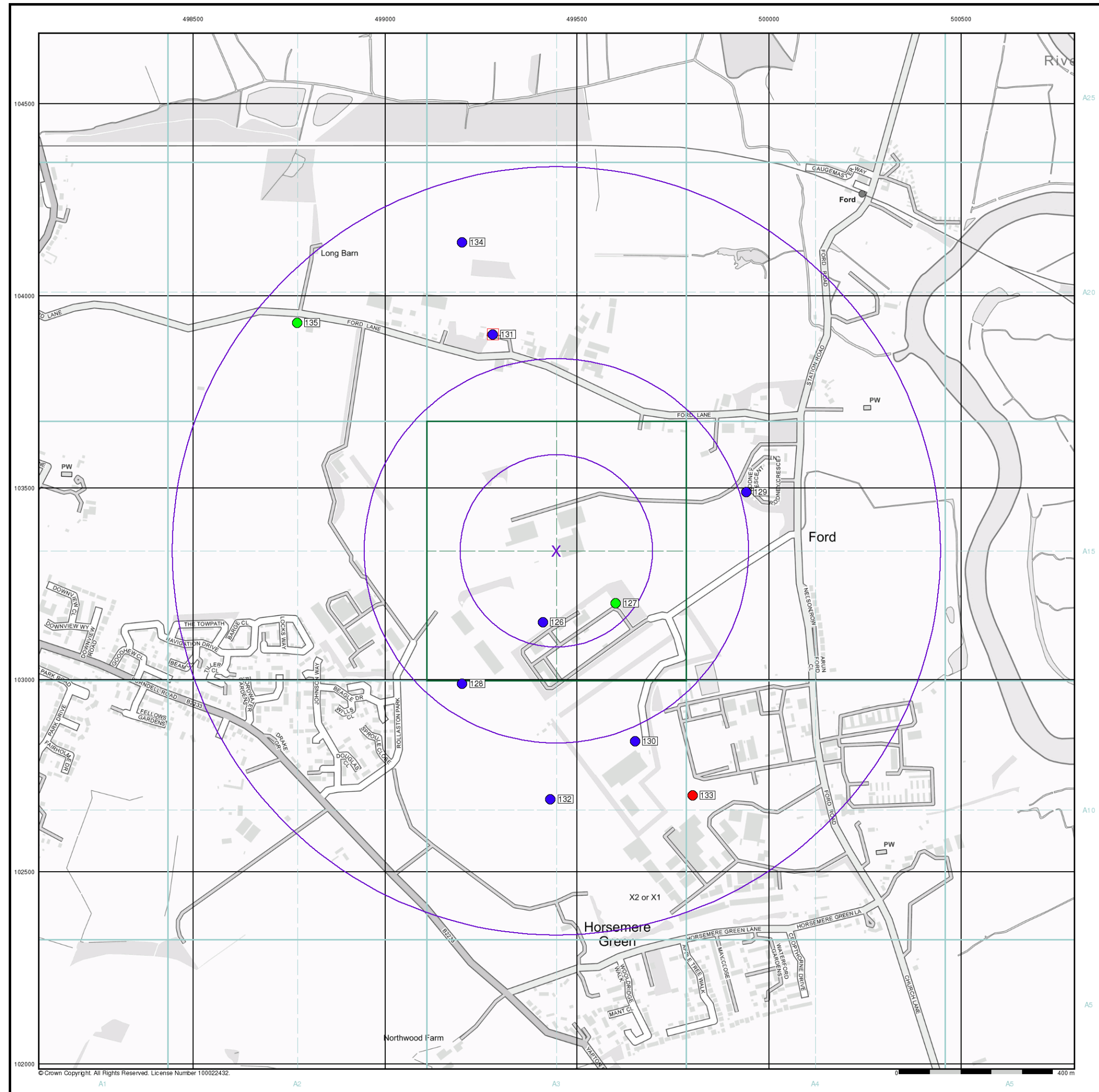
Order Number: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
 Slice: A  
 Site Area (Ha): 0.01  
 Search Buffer (m): 1000

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**General**

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

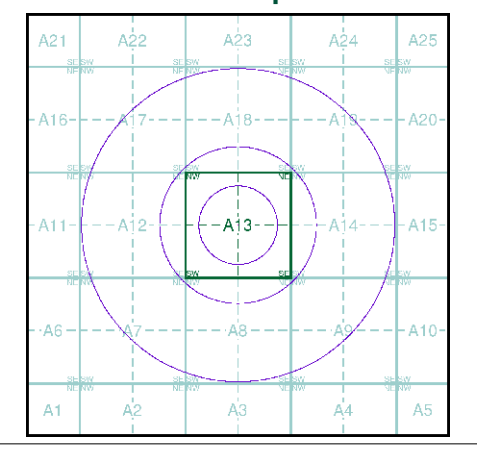
**OS Water Network Data**

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

**Contours (height in meters)**

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
- MHW Mean High Water

**OS Water Network Map - Slice A**



**Order Details**

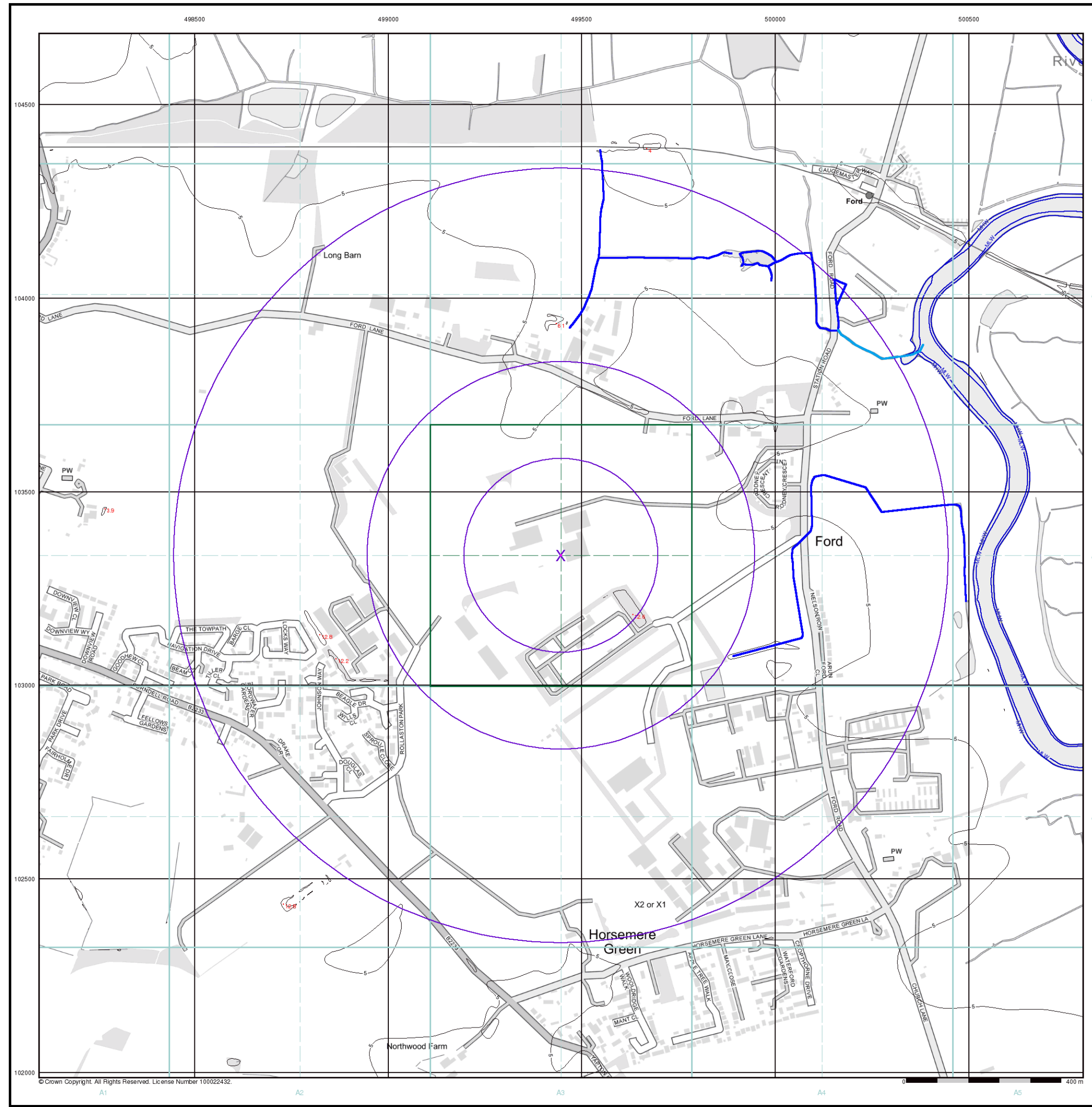
Order Number: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
 Slice: A  
 Site Area (Ha): 0.01  
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**General**

- Specified Site
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- Bearing Reference Point

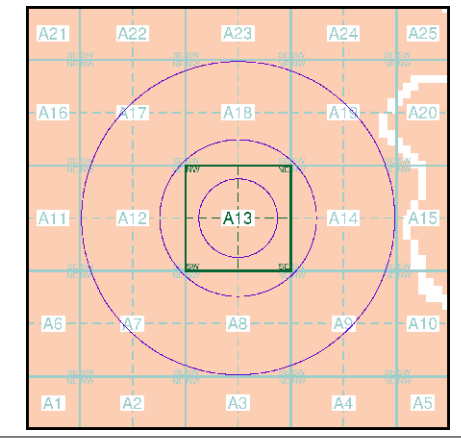
**Risk of Flooding from Surface Water**

- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

**Suitability**

- See the suitability map below
- National to county
  - County to town
  - Town to street
  - Street to parcels of land
  - Property

**EANRW Suitability Map - Slice A**



**Order Details**

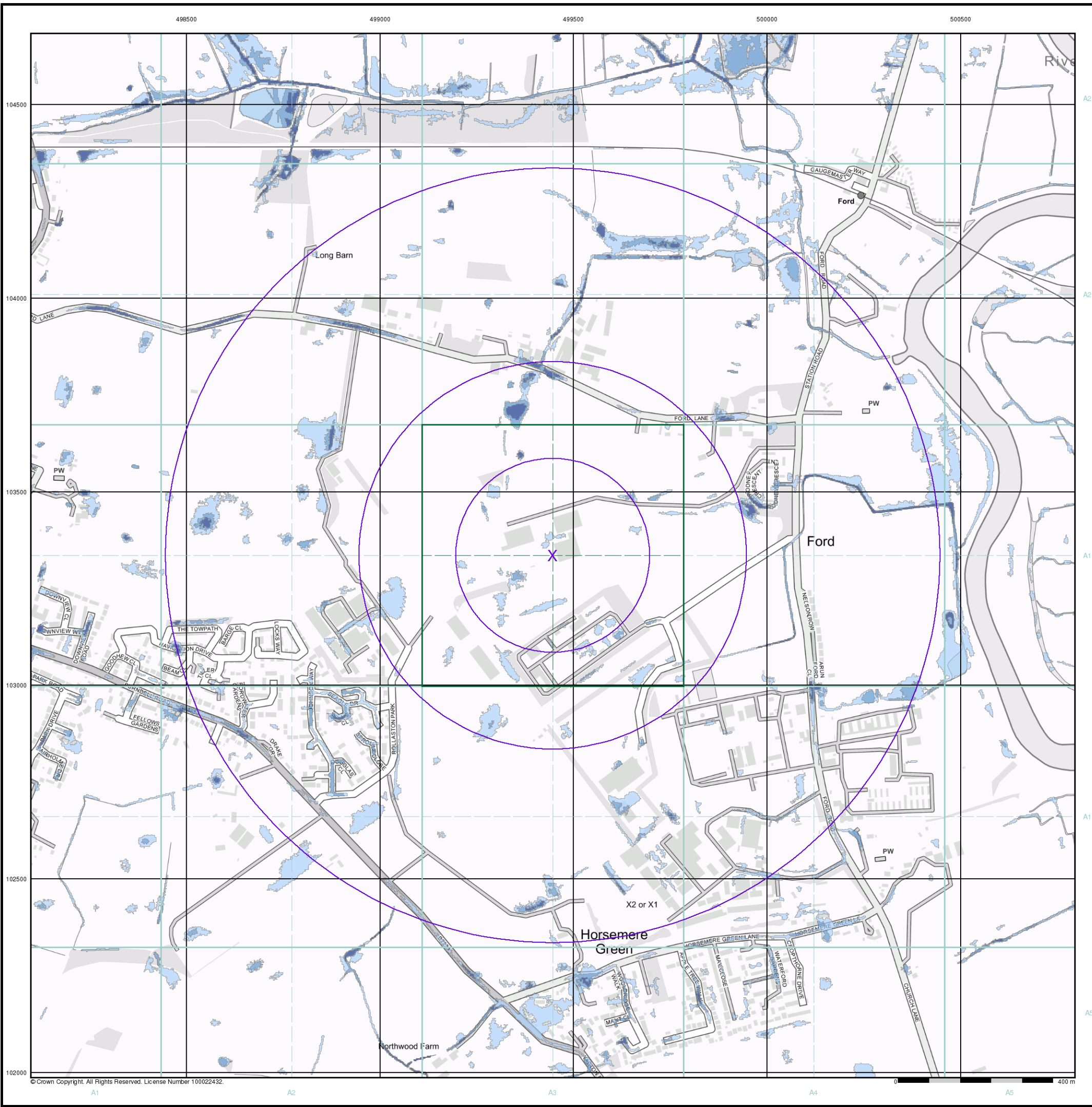
Order Number: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
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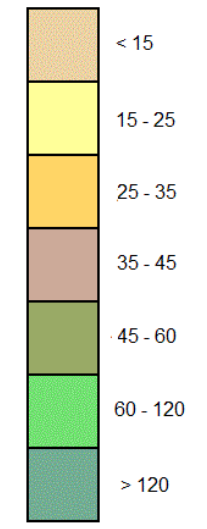


**General**

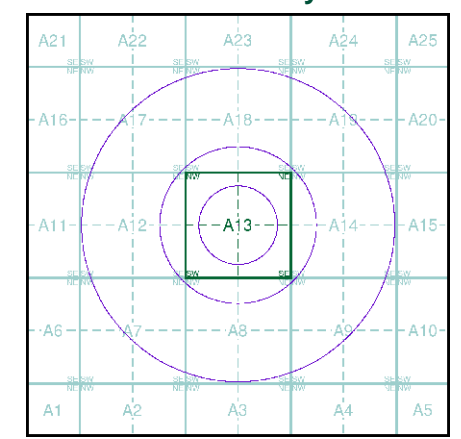
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice A**



**Order Details**

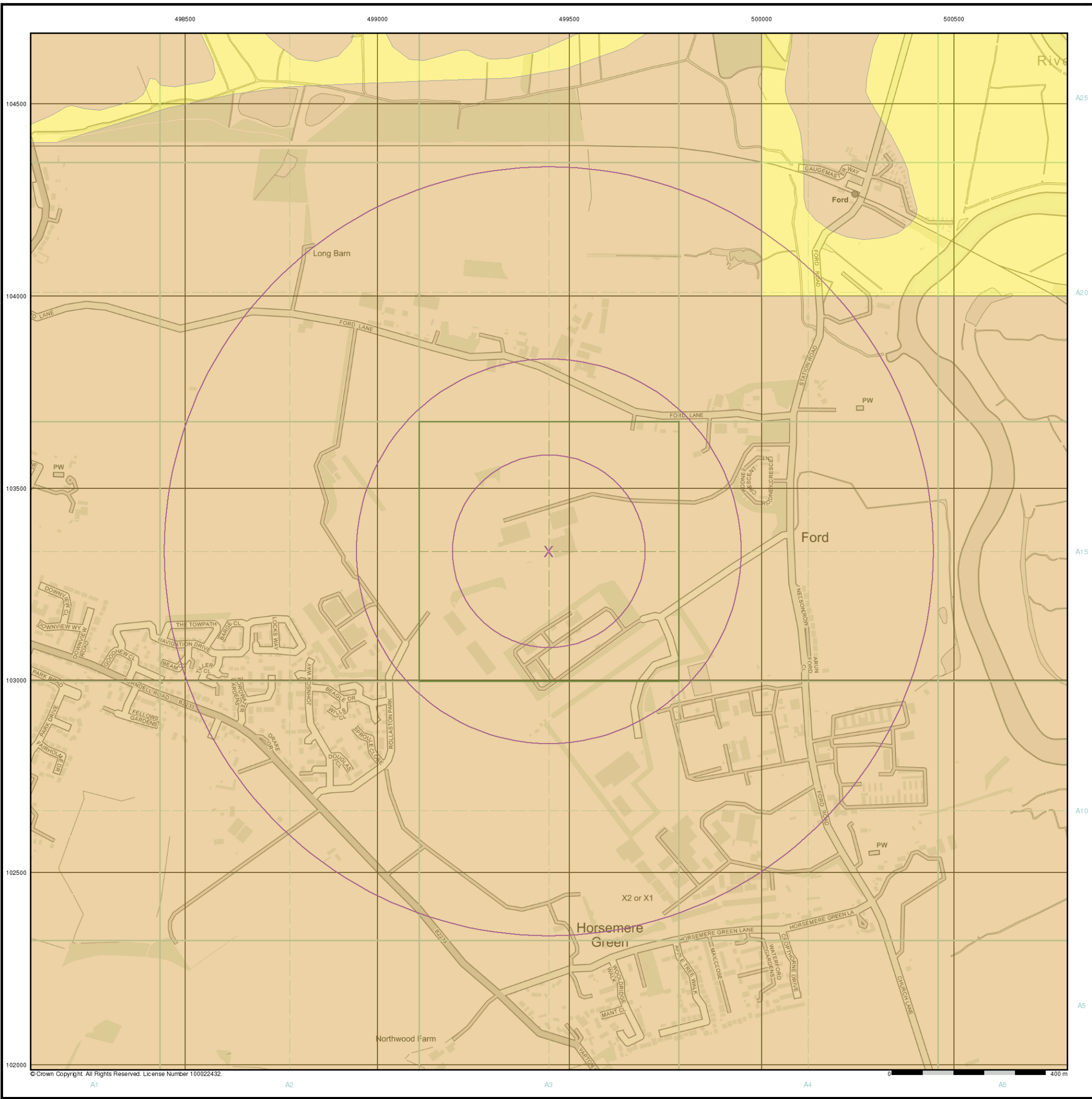
Order Details: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
 Slice: A  
 Site Area (Ha): 0.01  
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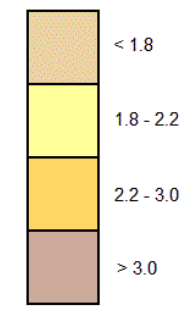


**General**

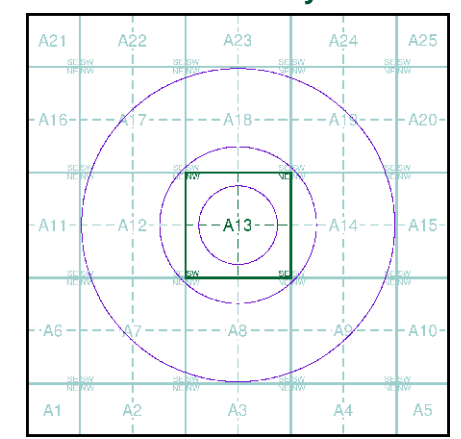
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice A**



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 Slice: A  
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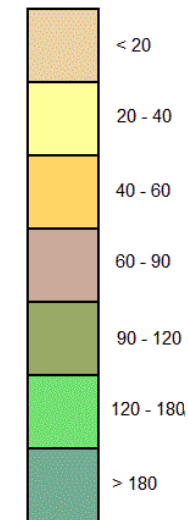
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**General**

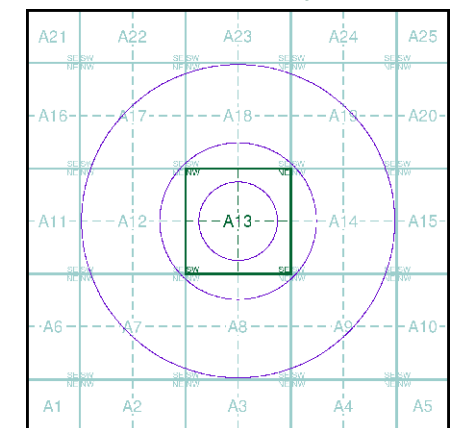
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice A**

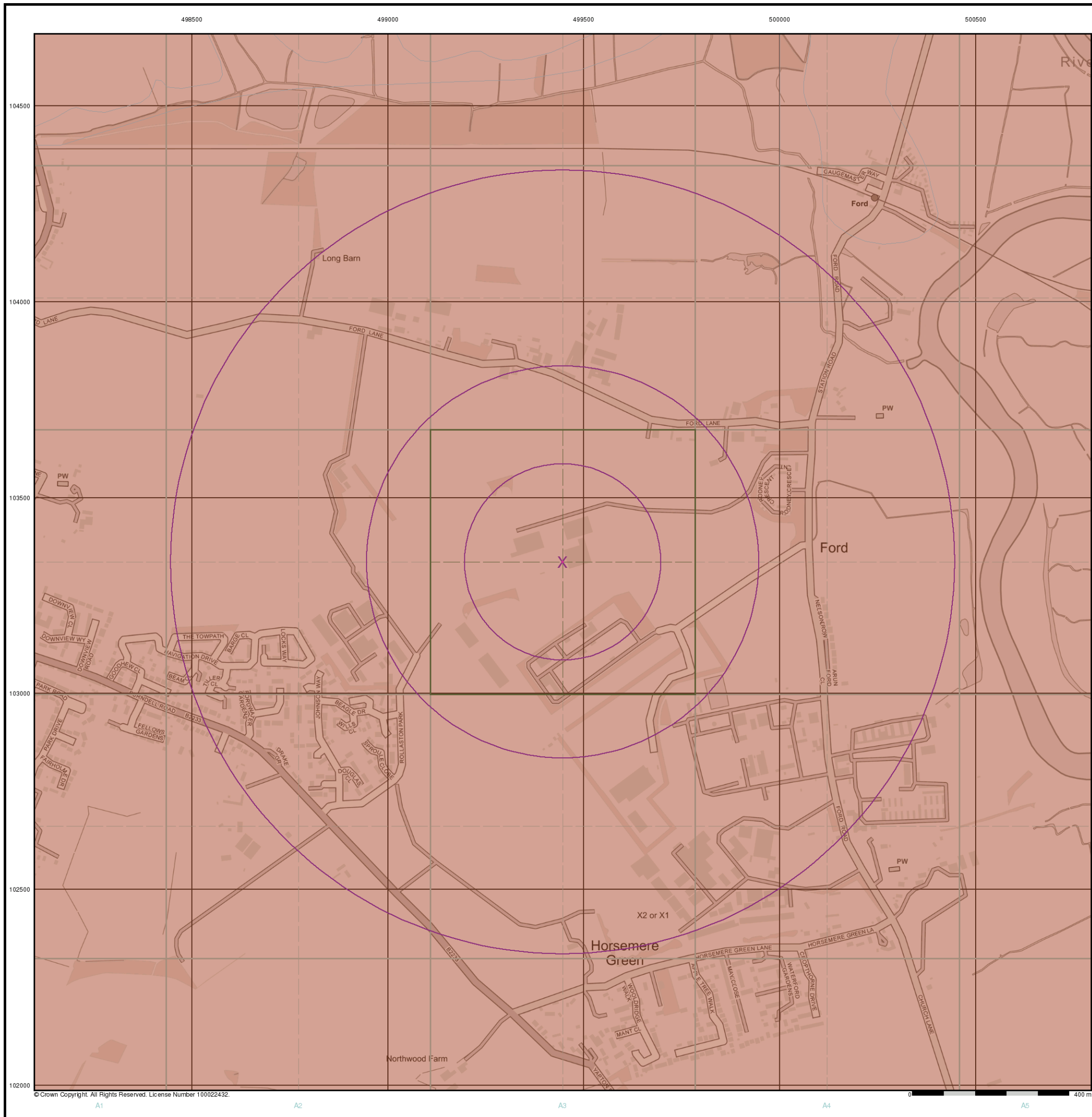


**Order Details**

Order Details: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
 Slice: A  
 Site Area (Ha): 0.01  
 Search Buffer (m): 1000

**Site Details**

Site at, Arundel, West Sussex





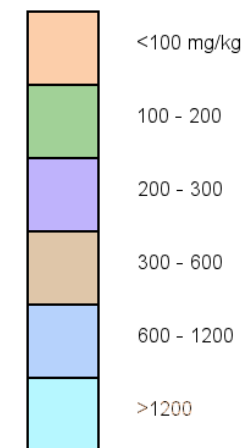


**General**

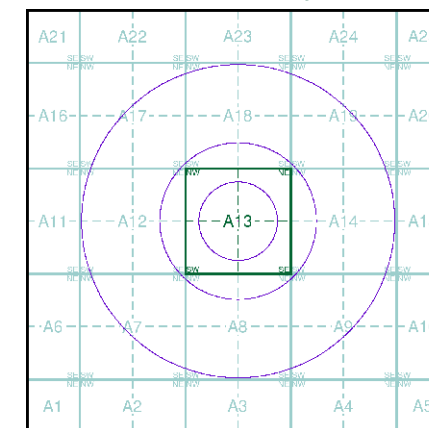
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice A**



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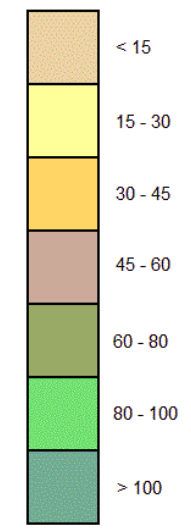


**General**

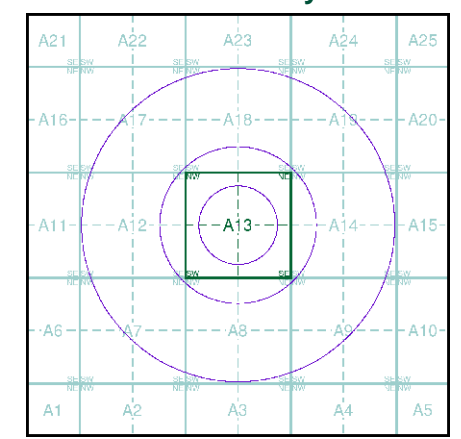
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice A**



**Order Details**

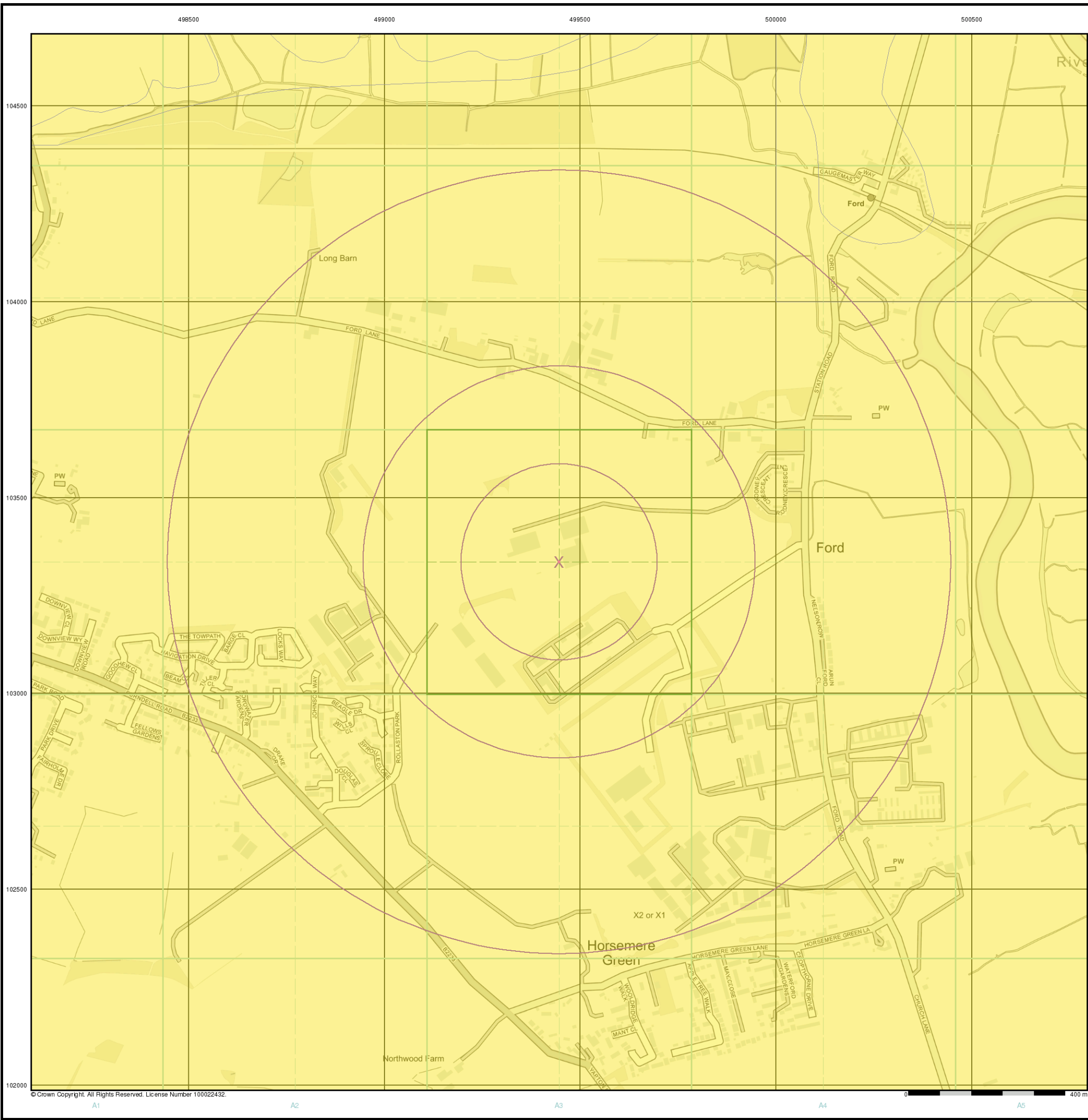
Order Details: 228749708\_1\_1  
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### Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

#### Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

#### Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

#### Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

### Client Details

Ms B Hoad, Ramboll UK Ltd, Carlton House, Ringwood Road, Woodlands, Southampton, SO40 7HT

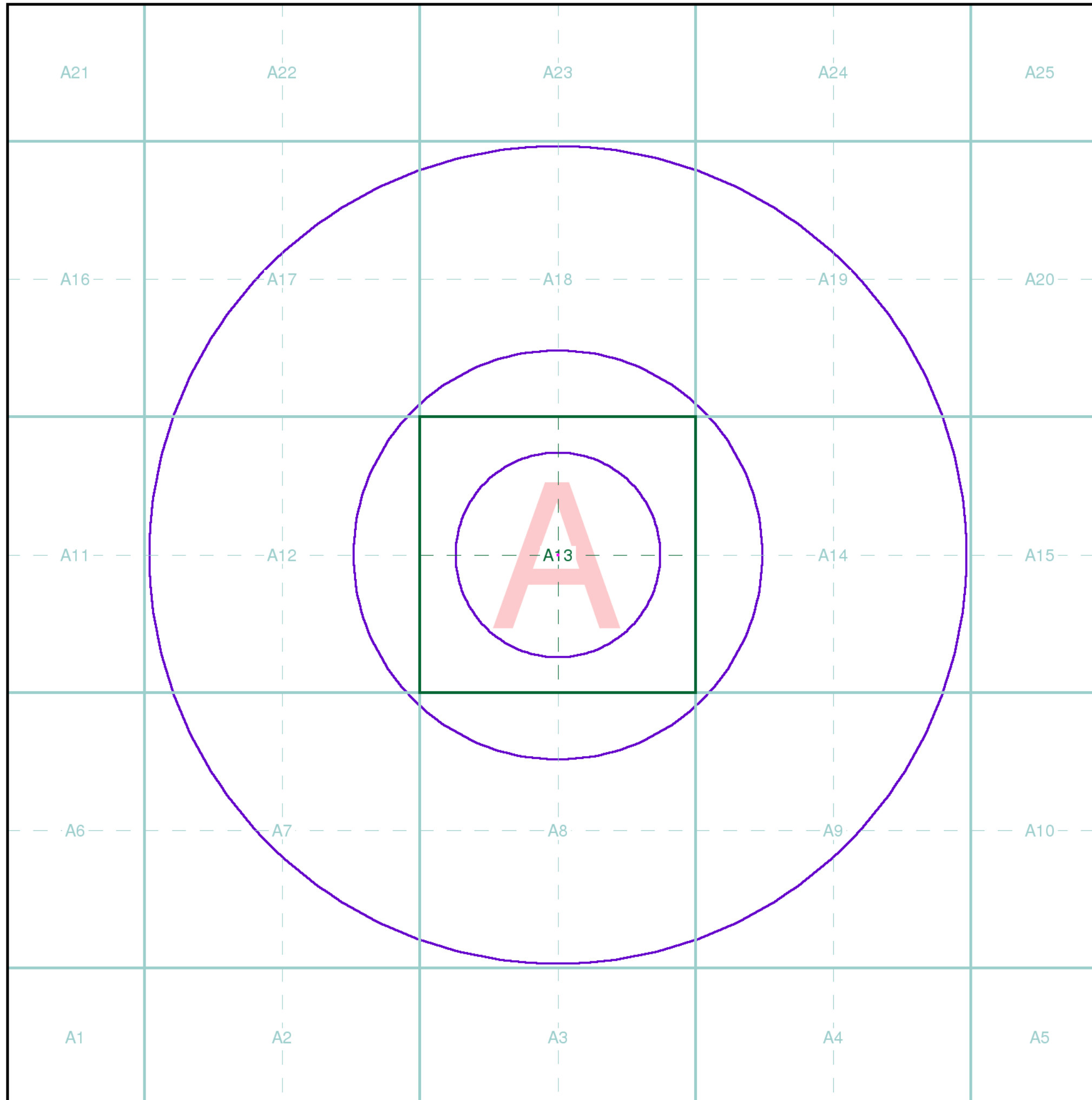
### Order Details

Order Number: 228749708\_1\_1  
 Customer Ref: 1620031957  
 National Grid Reference: 499450, 103340  
 Site Area (Ha): 0.01  
 Search Buffer (m): 1000

### Site Details

Site at, Arundel, West Sussex

Full Terms and Conditions can be found on the following link:  
<http://www.landmarkinfo.co.uk/Terms/Show/515>



# UNEXPLODED BOMB RISK MAP



## SITE LOCATION

Location: BN18 0HY,  
Map Centre: 498968,103119



## LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- military
- industry
- UXO find
- transport
- dock
- Luftwaffe targets
- utilities
- Bombing decoy
- other

### How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment\* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment\* is necessary.

### What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

**Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.**

### If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

### If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

\*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.



APPENDIX F  
BGS BOREHOLE LOGS

# RECORD OF WELL

At Wicks Farm

Town or Village Yapton

County Sussex

Six-inch County Sheet SUSSEX 62 SE/E

Six-inch National Grid sheet and reference

# 317

N. 14247

SU 90 SE/8  
99280390

# 427

Form 1h  
SU 90 SE/8

SU. 90 SE (9928.0390)

EXACT SITE  
OF WELL.

For .....

State whether owner, tenant, builder, contractor, consultant, etc.:- .....

Address (if different from above) .....

Level of ground surface above sea level (O.D.) +15 ft ft (.....) m)

\*DELETE  
AS  
NECESSARY

If well top is not at ground level, state how far above:\*  
below: .....

SHAFT.....ft (.....m); diameter.....ft (.....m);

HEADINGS (please attach details—dimensions and directions)

BORE 25 ft (7.62 m); diameter: at top 8 in (203.2 mm); at  
bottom 8 in (203.2 mm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....

(4.11 m) 13' 6" x 4 1/2" (114.3 mm) plain pipe. Top 6" (0.30 m) BGL.  
(3.50 m) 11' 6" x 4 1/2" (114.3 mm) slotted pipe.  
3/8" gravel pack from 1' BGL (0.30 m) to bottom of borehole

Water struck at depths of (1) 22' + (2) 25' ft (1) 6.70 m + (2) 7.62 m below well top

Rest level of water 13' 10" (4.21 m) above\* well top. Suction at.....ft (.....m)  
below

TEST  
CONDITIONS

Yield on.....<sup>hours\*</sup>  
<sup>days'</sup> test pumping at.....galls (.....m<sup>3</sup>) per..... with

depression to 14' 9" (4.48 m) below well top. Recovery to rest level in..... mins\*  
hours

Capacity of pump.....g.p.h. (.....m<sup>3</sup>/h)

Date of measurements.....

## DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

NORMAL  
CONDITIONS

Make and/or type..... Motive power.....

Capacity.....galls (.....m<sup>3</sup>) per hour. Suction at.....ft (.....m)

below well top. Amount pumped.....galls (.....m<sup>3</sup>) per day. Estimated

consumption.....galls (.....m<sup>3</sup>) per week

Well made by Duke and Oekenden Date of sinking Aug 1976

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

LOG OF  
STRATA  
OVERLEAF

Received from Duke and Oekenden

Date 4.10.76

Observation well .....

Recorder.....

E.R. log .....

Site marked on

1" map 0

6" map 0

(use symbol)

Copy to .....

Date .....



N. 13594

# RECORD OF WELL

# 332

# 112

# SU90129

At No. 2 Hangar  
Ford Aerodrome

Town or Village Ford

County SUSSEX

Six-inch County Sheet SUSSEX 62SE/E

Six-inch National Grid sheet and reference SU 996 032

For FRANCIS PARKER CONCRETE LTD.

State whether owner, tenant, builder, contractor, consultant, etc.:-

Address (if different from above)

Level of ground surface above sea level (O.D.) + c. 18 ft (m)

If well top is not at ground level, state how far above\* below: ft (m)

SHAFT ft (m); diameter ft (m);

HEADINGS (please attach details—dimensions and directions)

BORE 10.0 ft (30.48 m); diameter: at top 10 in (254.0 mm); at bottom 10 in (254.0 mm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.)

10 inch casing set at 2' B.G.L. to 77' 8" 40'  
(254.0 mm) (0.60 m) (29.76 m) (12.19 m)

Water struck at depths of ft (m) below well top

Rest level of water 19 1/2 ft (5.87 m) above\* below well top. Suction at ft (m)

Yield on 3, 500 galls (4:41.98 l/s) per hr with depression to 22 1/3 ft (6.80 m) below well top. Recovery to rest level in mins\* hours

Capacity of pump g.p.h. (m<sup>3</sup>/h)

Date of measurements

### DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type Motive power

Capacity galls (m<sup>3</sup>) per hour. Suction at ft (m)

below well top. Amount pumped galls (m<sup>3</sup>) per day. Estimated

consumption galls (m<sup>3</sup>) per week

Well made by DUKE AND SKENDELW Date of sinking 4/1/73 & 16/1/73

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

Received from D + O Ltd.

Date 19/3/73

Observation well

Recorder

E.R. log

Site marked on

1" map 0

6" map 0

(use symbol)

Copy to DG, EA & SC, ENG

" SUSSEX RA & WRB

Date

EXACT SITE OF WELL

\*DELETE AS NECESSARY

TEST CONDITIONS

NORMAL CONDITIONS

LOG OF STRATA OVERLEAF

332/112

SU 90 SE 118

FORD AERODROME NATURE OF STRATA

THICKNESS

(For Institute use only)  
GEOLOGICAL  
CLASSIFICATION

If measurements start below  
ground surface, state how far.

Feet	Inches	Metres	Feet	Inches
2'		0.60	2'	0.0
10'		3.04	12'	3.6
6'		1.82	18'	5.4
5'		1.52	23'	7.0
5'		1.52	28'	8.5
72'		21.94	100'	30.0

SU 996 032

MADE GROUND

Made up ground

2' 0.60 2' 0.0

HEAD

Clay and gravel } 150

10' 3.04 12' 3.6

sandy clay and gravel } main s.s.

6' 1.82 18' 5.4

clay mud } rock

5' 1.52 23' 7.0

UPPER CHALK

chalk mud

5' 1.52 28' 8.5

Harder chalk, little flints

72' 21.94 100' 30.0

Water from 70' (21.33)

P.P.  
B.Y.

24473

D. Bank



SU 90 SE 37

9994 0349

Ford Airfield (north-east)

Block H

Surface level +3.4 m  
Water struck at +1.4 m  
September 1981

Waste 1.1 m  
Bedrock 4.9 m+

LOG





Geological classification	Lithology	Thickness m	Depth m
	Soil	0.2	0.2
Raised Beach Deposits (younger)	Clay, silty, reddish brown, with angular to well rounded flint pebbles and some gastropod shell fragments	0.9	1.1
Upper Chalk	Chalk, rubbly, with matrix of olive silt and fine sand and some rounded flint pebbles to 5.5 m, greyish white, with nodular flints, below	4.9+	6.0

APPENDIX G  
HISTORICAL REPORT PLANS





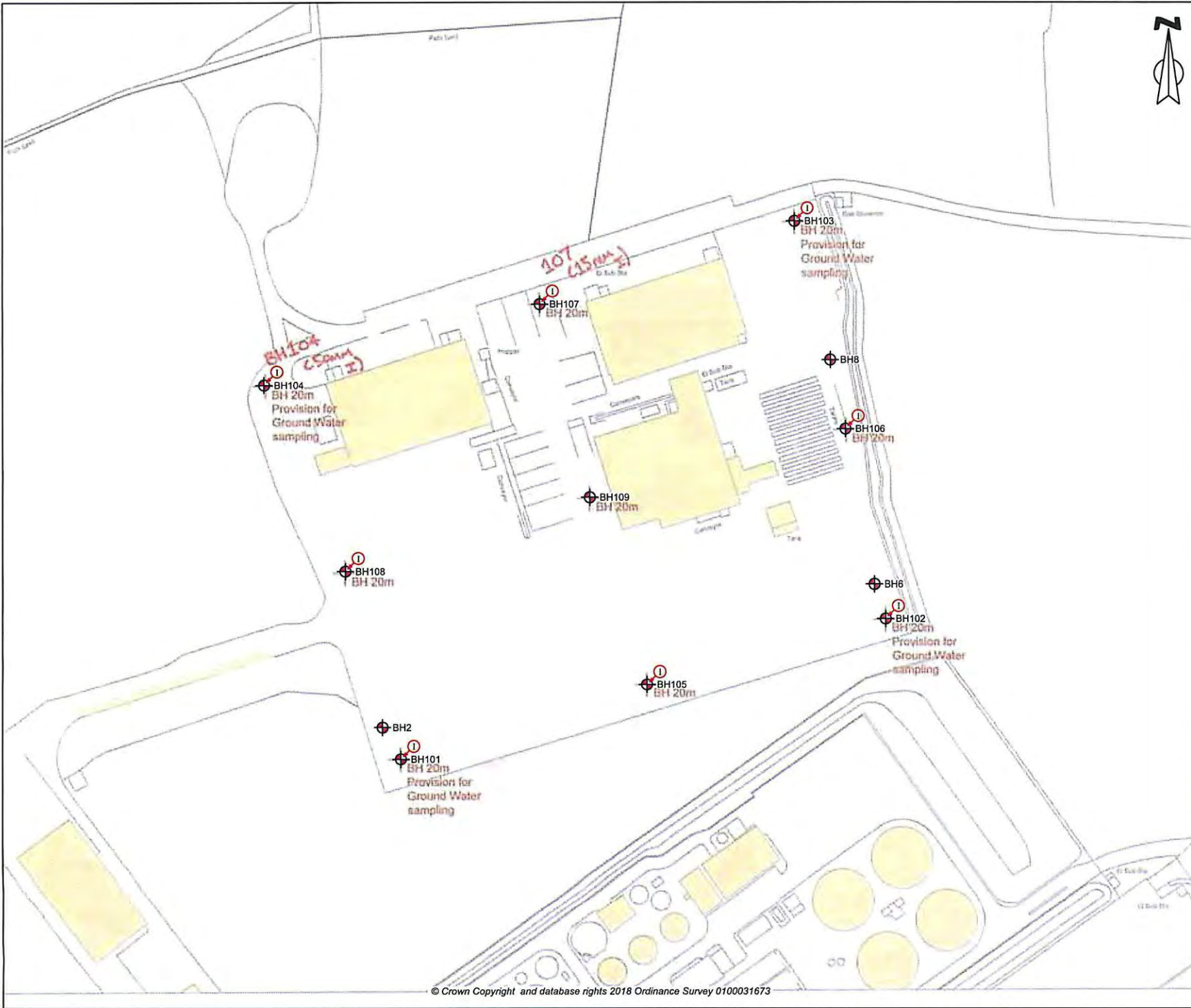
**Key**

-  Site Boundary
-  Test Pit Location (TP) (TP1 - TP15)
-  Borehole Location (BH) (BH1 - BH8)
-  Borehole Installation (I)





STEP Business Centre, Worley Rd, Shrewsbury, Shropshire, SY3 6UH

CLIENT:		Grunden Waste Management Ltd
SCALE:	1:1,000@A3	PROJECT REF: CRM.049.009
DRAWN:	MG	CHECKED: RH
		DATE: Sept 2015
PROJECT: Ford Arundel		
TITLE: Site Location Plan		
FIGURE NO:		CRM.049.009.GE.D.001



**Key**

-  Boreholes Location (BH)  
(BH101 - BH109, BH2, BH6, BH8)
-  Borehole Installation (I)



Samuel House, 5 Fox Valley Way, Stocksbridge, Sheffield, S36 2AA

CLIENT:  
Grundon Waste management Ltd

SCALE: NTS PROJECT REF: CRM.049.009

DRAWN: NP CHECKED: RH DATE: Jan 2018

PROJECT:  
Arundel

TITLE:  
Site Location Plan

FIGURE NO:  
CRM.049.009.GE.D.001





APPENDIX H  
GROUNDWATER LEVEL MONITORING RECORDS





Groundwater Level Monitoring February 2018 to February 2020

