



**Photo 19.** Stockpiled Waste



**Photo 20.** Disused Metal Piped Chimney

<b>Title:</b> Photographic Log	<b>Client:</b> Ford Energy from Waste Limited
<b>Site:</b> Ford Circular Technology Park	<b>Date:</b> 25 February 2020



**Photo 21.** Electricity Sub-station (Hangar 1)



**Photo 22.** Electricity Sub-station (Hangar 2)

<b>Title:</b> Photographic Log	<b>Client:</b> Ford Energy from Waste Limited
<b>Site:</b> Ford Circular Technology Park	<b>Date:</b> 25 February 2020



**Photo 23.** RAF Pumping Station/Bunker



**Photo 24.** RAF Pumping Station/Bunker Filled with Fly Tipped Waste

<b>Title:</b> Photographic Log	<b>Client:</b> Ford Energy from Waste Limited
<b>Site:</b> Ford Circular Technology Park	<b>Date:</b> 25 February 2020

## **APPENDIX D REGULATORY CONSULTATIONS**

## Jane Evans

---

**From:** SSD Enquiries <SSDENquiries@environment-agency.gov.uk>  
**Sent:** 11 February 2020 13:32  
**To:** Brian Kerr  
**Subject:** 200211 SSD158231 Environmental Search Request - Ford Circular Technology Park, BN18 0HY

Dear Brian,

Thank you for your email of 20/1/2020.

Please see the below comments in blue from our technical team.

This information is supplied subject to the notice which can be viewed via the following link:  
<http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>.

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

Kind regards,

Customers & Engagement Team  
Environment Agency | Solent and South Downs Area | Pevensey Office | Coast Road | Pevensey Bay | East Sussex | BN24 6ND  
email: [ssdenquiries@environment-agency.gov.uk](mailto:ssdenquiries@environment-agency.gov.uk)

---

**From:** Brian Kerr [<mailto:brian.kerr@ramboll.co.uk>]  
**Sent:** 20 January 2020 17:50  
**To:** Enquiries, Unit <[enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk)>  
**Cc:** Tom Smith <[thomas.smith@ramboll.co.uk](mailto:thomas.smith@ramboll.co.uk)>; Chara Sifaki <[chara.sifaki@ramboll.co.uk](mailto:chara.sifaki@ramboll.co.uk)>  
**Subject:** REF 200121/BM01 Environmental Search Request - Ford Circular Technology Park, BN18 0HY

Dear Sir/Madam,

Ramboll has been commissioned to undertake an environmental review of the above referenced site (a plan is presented below). We would therefore be grateful if you could search your records for this site. We would be grateful if you could provide any information on the site, specifically on any of the following:

- Any records of contamination/pollution incidents on the site;  
The only record of contamination we hold relates to a fire (logged as NIRS 123701) on site in 2002 of drums of aluminium powder. Only very minimal contamination to surface water recorded. We suggest that you also contact the Local Authority as they may hold other records.
- Any records of landfill/Made Ground;  
We do not hold any records on Made ground.  
We do not hold records of landfill other than these links: <https://data.gov.uk/dataset/17edf94f-6de3-4034-b66b-004ebd0dd010/historic-landfill-sites> , <https://data.gov.uk/dataset/ad695596-d71d-4cbb-8e32-99108371c0ee/permittted-waste-sites-authorized-landfill-site-boundaries>
- Any records of complaints about the site e.g. odour, noise, nuisance;  
We have only ever received one complaint (odour) naming Grundons which arrived via West Sussex County Council, from a resident in Rodney Close in July 2017. The source of this smell was eventually identified as the Southern Water waste water treatment facility on the same site.
- Details of licenses related to historical landfill in the vicinity of the site;  
We are unable to provide any information as we no longer hold the records for these sites. We recommend that you contact the Environmental Health / Environmental Protection Department at your local authority for further advice and

information. They are the lead regulator for these sites and are responsible for the inspection of contaminated land in their area, which includes historic landfill sites.

- Details of any designations related to the site or immediately surrounding area;

Please see the following link it will have all the relevant information:

<https://www.gov.uk/government/organisations/natural-england>

- Are there any records of ground investigations at the site or its immediate surroundings which the EA hold?

We do not hold any information on ground investigations, please contact the Local Authority. You may also find this link useful: <http://www.bgs.ac.uk/data/boreholescans/home.html>

- The geological stratigraphy underlying the site;

Please see the following link <http://www.bgs.ac.uk/> (the borehole data base may be particularly useful).

- Any details on the hydrogeology of the site; and

Please see the following link: <http://www.bgs.ac.uk/> (the borehole logs may be useful)

- Any available details pertaining to the ponds/reservoirs/other surface water bodies proximate to the site.

We do not hold any relevant information.



Please can you inform me of any charge as soon as possible for the above work and an estimate of the length of time it will take to respond. In the meantime, if you have any queries, please do not hesitate to contact me.

Kind regards,

Brian Kerr

Kind regards

**Brian Kerr**

Consultant  
1621784 - E&H - Southampton

M +447773 645 796  
[brian.kerr@ramboll.co.uk](mailto:brian.kerr@ramboll.co.uk)

---

Ramboll  
Carlton House  
Ringwood Road  
Woodlands  
Southampton  
SO40 7HT  
<https://uk.ramboll.com>

Ramboll UK Limited Registered in England & Wales Company No: 03659970  
Registered office: 240 Blackfriars Road, London SE1 8NW

Information in this message may be confidential and may be legally privileged. If you have received this message by mistake, please notify the sender immediately, delete it and do not copy it to anyone else. We have checked this email and its attachments for viruses. But you should still check any attachment before opening it. We may have to make this message and any reply to it public if asked to under the Freedom of Information Act, Data Protection Act or for litigation. Email messages and attachments sent to or from any Environment Agency address may also be accessed by someone other than the sender or recipient, for business purposes.

Bianca Hoad

---

From: Bianca Hoad  
Sent: 24 April 2020 15:26  
To: Bianca Hoad  
Subject: RE: Environmental Search Request - Ford Circular Technology Park, Arundel, BN18 0HY

From: Kate Giddings <[kate.giddings@arun.gov.uk](mailto:kate.giddings@arun.gov.uk)>  
Sent: 08 April 2020 20:12  
To: Brian Kerr <[brian.kerr@ramboll.co.uk](mailto:brian.kerr@ramboll.co.uk)>; Wendy Furgusson <[Wendy.Furgusson@ramboll.co.uk](mailto:Wendy.Furgusson@ramboll.co.uk)>  
Subject: FW: Environmental Search Request - Ford Circular Technology Park, Arundel, BN18 0HY

Good evening,

Environmental Information Regulations 2004  
Part IIA Environmental Protection Act, 1990  
Re.: Ford Circular Technology Park, Ford Airfield, Ford Road, Ford, West Sussex, BN18 OXL

Further to your enquiry regarding contaminated land and associated issues at the above site, I am writing on behalf of this Department to advise you of the results of a search of our records and to inform you of the Council's position with regard to Part IIA.

Arun District Council is in the process of implementing its contaminated land strategy to identify land within the district that is potentially contaminated. At the current time, this Department has identified and prioritised sites within the area that have been or are currently occupied by a potentially contaminative use. Initial investigations in the form of desktop studies and/or site inspections are in the process of being undertaken, with the intention of re-prioritising sites for more detailed inspection at a later date. At present, Arun District Council has no entries into its Register of Contaminated Land and are currently not considering taking formal or informal action under Part IIA of the Environmental Protection Act 1990.

Your specific questions have been reproduced and addressed as follows:

1. *Has the site been identified for inspection or further review under the Council's Contaminated Land Strategy (or other Part IIA undertaking)? If so, please describe the priority status/risk ranking of the site and the likely timescale for any further scrutiny of the site.*

At the current time, this Department has identified and prioritised sites within the area that have been or are currently occupied by a potentially contaminative use, which includes the subject site. Initial investigations in the form of desktop studies and/or site inspections are in the process of being undertaken, with the intention of re-prioritising sites for more detailed inspection at a later date.

2. *Are there any known contamination issues associated with the site or in the near vicinity e.g. in terms of former or current contaminative site uses, leaks or spills of any oil/chemical substances etc.? If there have been any intrusive investigations at the site or near vicinity, please provide dates and titles of any reports and confirm whether the reports are publicly available.*

Following a search of this Department records, we are not aware of any specific pollution events or contamination incidents at the above address or any intrusive investigations at the site. The search



has revealed, however, that the site is highlighted as potentially contaminated due to the variety of historic and current industrial uses. It is therefore likely that should the site be put forward for re-development, a condition will be recommended to any planning permission, the minimum requirement of which is submission of a human health-based risk assessment, conducted by a suitably qualified, independent consultant.

3. *Please provide the following details of any current or former landfills located within a 250m radius of the site:*

- a) *The location of all landfills, both closed and operational (i.e. National Grid Reference and location plan if available).*
- b) *Dates when the landfill was operational.*
- c) *Types of waste deposited.*
- d) *Any information on volume of waste deposited, depth of infilling and landfill structure.*
- e) *Details of any landfill gas monitoring, site investigation or gas spiking undertaken at the landfill or in the immediate vicinity of the site.*

This Department is not aware of any historic or current landfills located within a 250 metre radius of the subject site.

3. *Have elevated indoor radon gas concentrations been identified within buildings on or within 100m of the site? Have radon protection measures been required in buildings on site or within 100m? If so, please provide details.*

This Department is not aware of any radon-related monitoring or protective methods being utilised within buildings located within a 100 metre radius of the subject site.

5. *Are there any known current or former nuisance issues, prosecutions or enforcements associated with the site or adjoining properties, e.g. noise, odour or dust issues/complaints? If yes, what was the nature of the issue and what was the outcome?*

This Department is not aware of any current or former nuisance issues, prosecutions or enforcements at the subject site. Environmental Health received two noise complaints from separate households in October 2019. The noise was related to contractors doing groundworks on site and was resolved informally.

6. *Are there any known private water supplies recorded on your Local Authority Private Water Supply Register, within 2km radius of the site? If yes what is the location (i.e. NGR), the source of abstraction and its purpose?*

This Department is not aware of any private water supplies located within a two kilometer radius of the subject site.

7. *Please provide details of any Part A(2) or Part B Environmental Permits(formerly LAAPC/LAPPC authorisations) licensed to the site or to adjoining properties.*

This Department is not aware of any Part A(2) or Part B Environmental Permits licensed to the site or to adjoining properties.

Please be aware that this Department makes no claim to have comprehensive records, and takes no responsibility for any omissions that may occur. Further relevant information regarding the above site may be held by other Council Departments or external agencies, who should be consulted independently. Any information provided should not be substituted for your own thorough site investigation, which may include intrusive soil sampling.

I trust this e-mail is satisfactory; if you would like to discuss this or have any further questions, please feel free to make contact using the details provided below.

Kind regards,

Kate Giddings.

[Kate Giddings](#) | Senior Technical Officer, Environmental Health, [Arun District Council](#) | Location: Arun Civic Centre, Maltravers Road, Littlehampton, West Sussex, BN17 5LF

Internal: 37586 | External: +44 (0) 1903 737586 | e-mail: [kate.giddings@arun.gov.uk](mailto:kate.giddings@arun.gov.uk)

Visit Arun's web site at [www.arun.gov.uk](http://www.arun.gov.uk)  Save the environment - think before you print.

---

From: Karen Boxall <[Karen.Boxall@arun.gov.uk](mailto:Karen.Boxall@arun.gov.uk)> On Behalf Of Pollution

Sent: 24 January 2020 11:56

To: Brian Kerr <[brian.kerr@ramboll.co.uk](mailto:brian.kerr@ramboll.co.uk)>

Subject: RE: Environmental Search Request - Ford Circular Technology Park, Arundel, BN18 0HY

Environmental Information Regulations 2004  
Part IIA Environmental Protection Act, 1990  
Re.: Ford Circular Technology Park, Arundel, BN18 0HY  
SR238016

I am writing in response to your enquiry dated 20/01/2020, which concerns an environmental search for the above address.

Environmental searches of this nature are subject to a charge of £56.00 and upon receipt of this payment, I will interrogate our records and supply you with the information requested.

Please make cheques payable to Arun District Council, Payments by card can be taken over the telephone; please call 01903 737500 during normal office hours and quote our reference above. Please state that the payment is for an environmental search and ask the cashiers to notify Environmental Health once the payment has been successfully completed so that I may begin compiling our data.

The above legislation gives us up to 20 working days to respond to your request from the date payment is received.

If you would like to discuss this, or have any further questions, please contact me using the details provided below.

Kind regards

Karen Boxall  
EH Technical Officer

Environmental Health Department  
(01903) 737868

Arun Civic Centre | Maltravers Road | Littlehampton | BN17 5LF

[www.arun.gov.uk/eh](http://www.arun.gov.uk/eh)



---

From: Brian Kerr <[brian.kerr@ramboll.co.uk](mailto:brian.kerr@ramboll.co.uk)>

Sent: 20 January 2020 17:51

To: Pollution <[Pollution@arun.gov.uk](mailto:Pollution@arun.gov.uk)>

Cc: Tom Smith <[thomas.smith@ramboll.co.uk](mailto:thomas.smith@ramboll.co.uk)>; Chara Sifaki <[chara.sifaki@ramboll.co.uk](mailto:chara.sifaki@ramboll.co.uk)>

Subject: Environmental Search Request - Ford Circular Technology Park, Arundel, BN18 0HY

Dear Sir/Madam

Ramboll has been commissioned to undertake an environmental review of the above referenced site (a plan is presented below). We would therefore be grateful if you could search your records for this site. In particular, please respond to the following questions, although any additional information would be useful:

1. Has the site been identified for inspection or further review under the Council's Contaminated Land Strategy (or other Part IIA undertaking)? If so, please describe the priority status/risk ranking of the site and the likely timescale for any further scrutiny of the site.
2. Are there any known contamination issues associated with the site or in the near vicinity e.g. in terms of former or current contaminative site uses, leaks or spills of any oil/chemical substances etc.? If there have been any intrusive investigations at the site or near vicinity, please provide dates and titles of any reports and confirm whether the reports are publicly available.
3. Please provide the following details of any current or former landfills located within a 250m radius of the site:
  - a) The location of all landfills, both closed and operational (i.e. National Grid Reference and location plan if available).
  - b) Dates when the landfill was operational.
  - c) Types of waste deposited.
  - d) Any information on volume of waste deposited, depth of infilling and landfill structure.
  - e) Details of any landfill gas monitoring, site investigation or gas spiking undertaken at the landfill or in the immediate vicinity of the site.
4. Have elevated indoor radon gas concentrations been identified within buildings on or within 100m of the site? Have radon protection measures been required in buildings on site or within 100m? If so, please provide details.
5. Are there any known current or former nuisance issues, prosecutions or enforcements associated with the site or adjoining properties, e.g. noise, odour or dust issues/complaints? If yes, what was the nature of the issue and what was the outcome?
6. Are there any known private water supplies recorded on your Local Authority Private Water Supply Register, within 2km radius of the site? If yes what is the location (i.e. NGR), the source of abstraction and its purpose?
7. Please provide details of any Part A(2) or Part B Environmental Permits (formerly LAAPC/LAPPC authorisations) licensed to the site or to adjoining properties.



Please can you inform me of any charge as soon as possible for the above work and an estimate of the length of time it will take to respond. In the meantime, if you have any queries, please do not hesitate to contact me.

Kind regards,

Brian Kerr

Kind regards  
Brian Kerr

Consultant  
1621784 - E&H - Southampton

M +447773 645 796  
[brian.kerr@ramboll.co.uk](mailto:brian.kerr@ramboll.co.uk)

---

Ramboll  
Carlton House  
Ringwood Road

Woodlands  
Southampton  
SO40 7HT  
<https://uk.ramboll.com>

Ramboll UK Limited Registered in England & Wales Company No: 03659970  
Registered office: 240 Blackfriars Road, London SE1 8NW

<http://www.arun.gov.uk>  
DX 57406 Littlehampton  
You can view Arun District Council's Privacy Policy from <https://www.arun.gov.uk/privacy-policy>

Important Notice This e-mail is intended exclusively for the addressee and may contain information that is confidential and/or privileged. If you are not the intended recipient (or authorised to receive it for the addressee), please notify the sender and delete the e-mail immediately; using, copying, or disclosing it to anyone else, is strictly prohibited and may be unlawful. Any views, opinions or options presented are solely those of the author and do not necessarily represent those of Arun District Council. The information in this e-mail may be subject to public disclosure under the Freedom of Information Act 2000, therefore we cannot guarantee that we will not provide the whole or part of this e-mail to a third party. The Council reserves the right to monitor e-mails in accordance with relevant legislation. Whilst outgoing e-mails are checked for viruses, we cannot guarantee this e-mail is virus-free or has not been intercepted or changed and we do not accept liability for any damage caused. Any reference to "e-mail" in this disclaimer includes any attachments.

\*\*\*\*\*

<http://www.arun.gov.uk>  
DX 57406 Littlehampton  
You can view Arun District Council's Privacy Policy from <https://www.arun.gov.uk/privacy-policy>

Important Notice This e-mail is intended exclusively for the addressee and may contain information that is confidential and/or privileged. If you are not the intended recipient (or authorised to receive it for the addressee), please notify the sender and delete the e-mail immediately; using, copying, or disclosing it to anyone else, is strictly prohibited and may be unlawful. Any views, opinions or options presented are solely those of the author and do not necessarily represent those of Arun District Council. The information in this e-mail may be subject to public disclosure under the Freedom of Information Act 2000, therefore we cannot guarantee that we will not provide the whole or part of this e-mail to a third party. The Council reserves the right to monitor e-mails in accordance with relevant legislation. Whilst outgoing e-mails are checked for viruses, we cannot guarantee this e-mail is virus-free or has not been intercepted or changed and we do not accept liability for any damage caused. Any reference to "e-mail" in this disclaimer includes any attachments.

\*\*\*\*\*

<http://www.arun.gov.uk>  
DX 57406 Littlehampton  
You can view Arun District Council's Privacy Policy from <https://www.arun.gov.uk/privacy-policy>


Important Notice This e-mail is intended exclusively for the addressee and may contain information that is confidential and/or privileged. If you are not the intended recipient (or authorised to receive it for the addressee), please notify the sender and delete the e-mail immediately; using, copying, or disclosing it to anyone else, is strictly prohibited and may be unlawful. Any views, opinions or options presented are solely those of the author and do not necessarily represent those of Arun District Council. The information in this e-mail may be subject to public disclosure under the Freedom of Information Act 2000, therefore we cannot guarantee that we will not provide the whole or part of this e-mail to a third party. The Council reserves the right to monitor e-mails in accordance with relevant legislation. Whilst outgoing e-mails are checked for viruses, we cannot guarantee this e-mail is virus-free or has not been intercepted or changed and we do not accept liability for any damage caused. Any reference to "e-mail" in this disclaimer includes any attachments.

\*\*\*\*\*



## **APPENDIX E ONLINE CONSULTATIONS AND SERVICE PLANS**

# Geology 1:50,000 Maps Legends




## Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

## Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	RTDU	River Terrace Deposits (Undifferentiated)	Sand, Silt and Clay	Not Supplied - Quaternary
	RBD1	Raised Beach Deposits, 1	Sand and Gravel	Not Supplied - Quaternary
	RMD	Raised Marine Deposits	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Gravel, Sand, Silt and Clay	Not Supplied - Quaternary

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian
	LMBE	Lambeth Group	Clay, Silt and Sand	Not Supplied - Thanetian
	LPCK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation and Portsdown Chalk Formation (Undifferentiated)	Chalk	Not Supplied - Turonian



## Geology 1:50,000 Maps

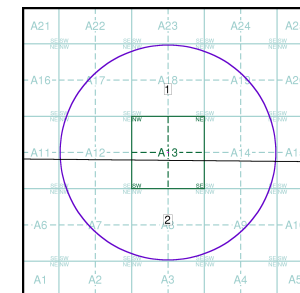
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## Geology 1:50,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Sheet No:	332	Map Sheet No:	317
Map Name:	Chichester and I	Map Name:	Chichester and I
Map Date:	1996	Map Date:	1996
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Available	Landslip:	Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

## Geology 1:50,000 Maps - Slice A



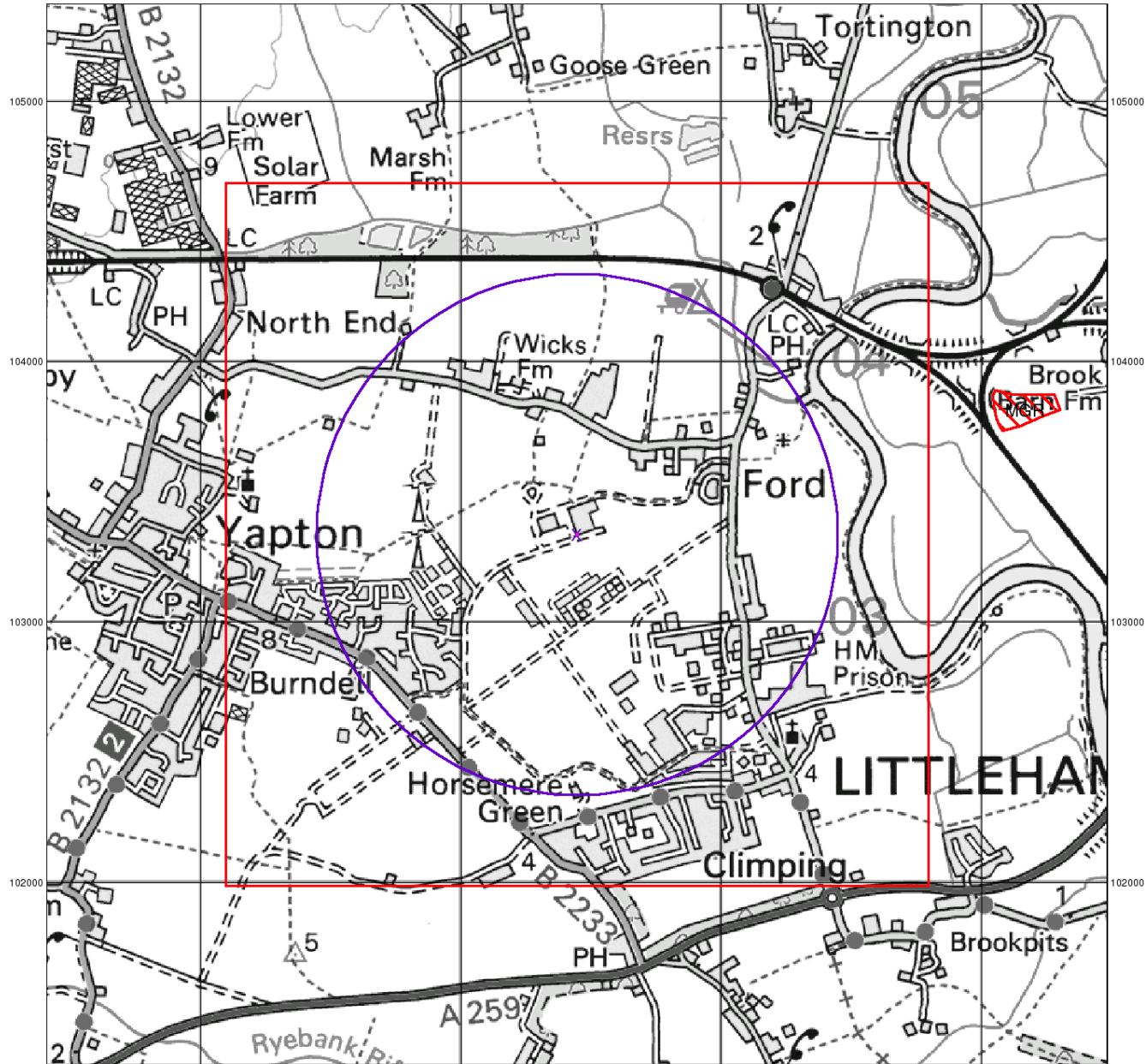
## Order Details:

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

## Site Details:

Site at, Arundel, West Sussex

498000 499000 500000 501000



© Crown Copyright. All Rights Reserved. License Number 100022432.



### Artificial Ground and Landslip

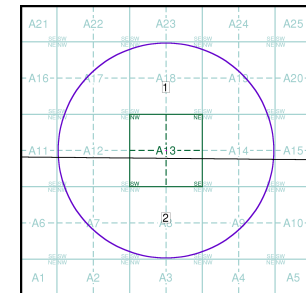
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice A



### Order Details:

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

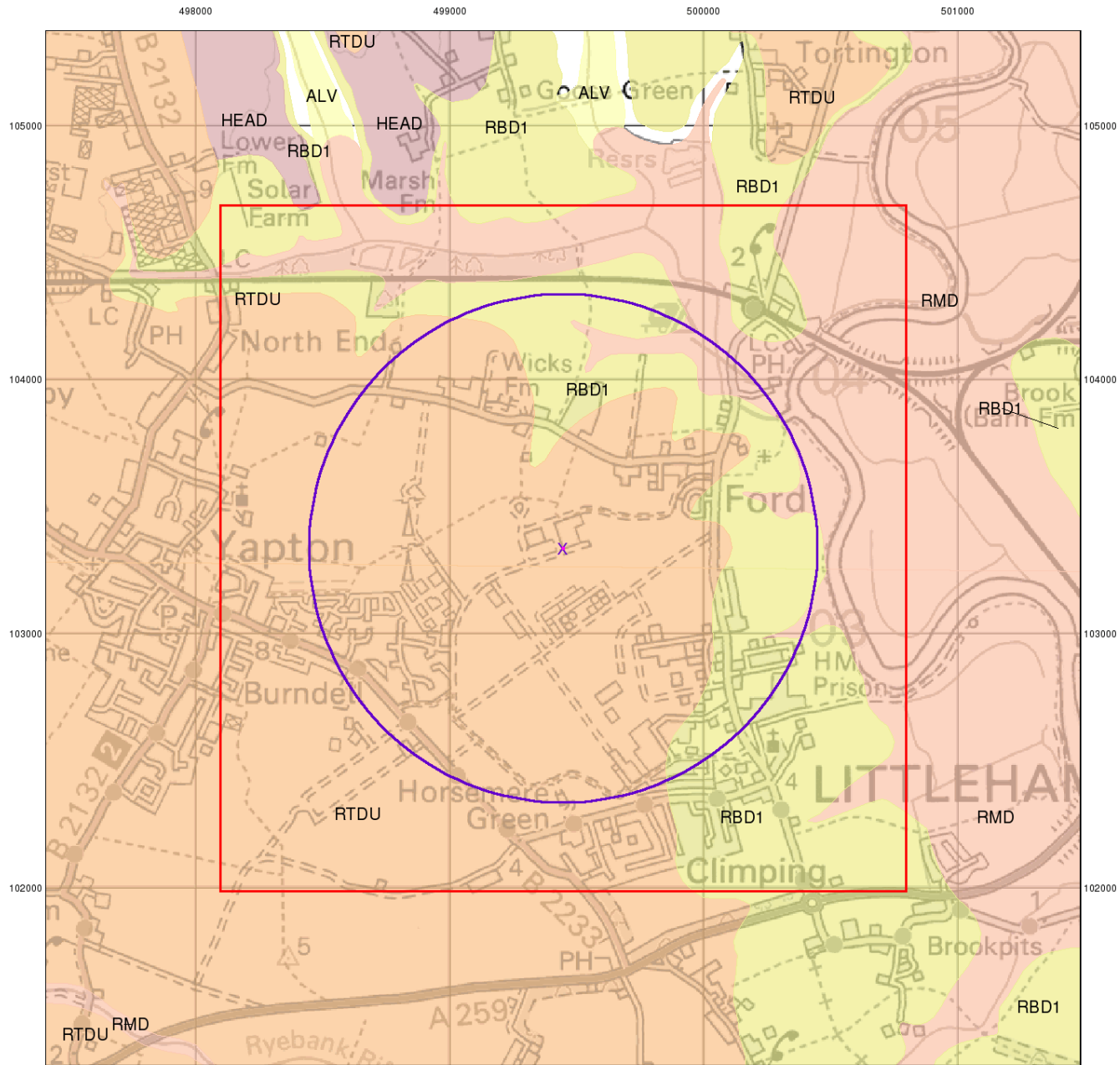
### Site Details:

Site at, Arundel, West Sussex



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





© Crown Copyright. All Rights Reserved. License Number 100022432.



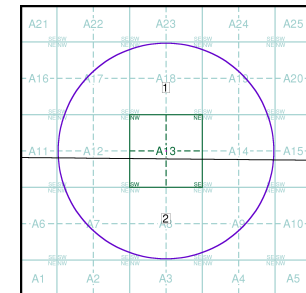
### Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice A



### Order Details:

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

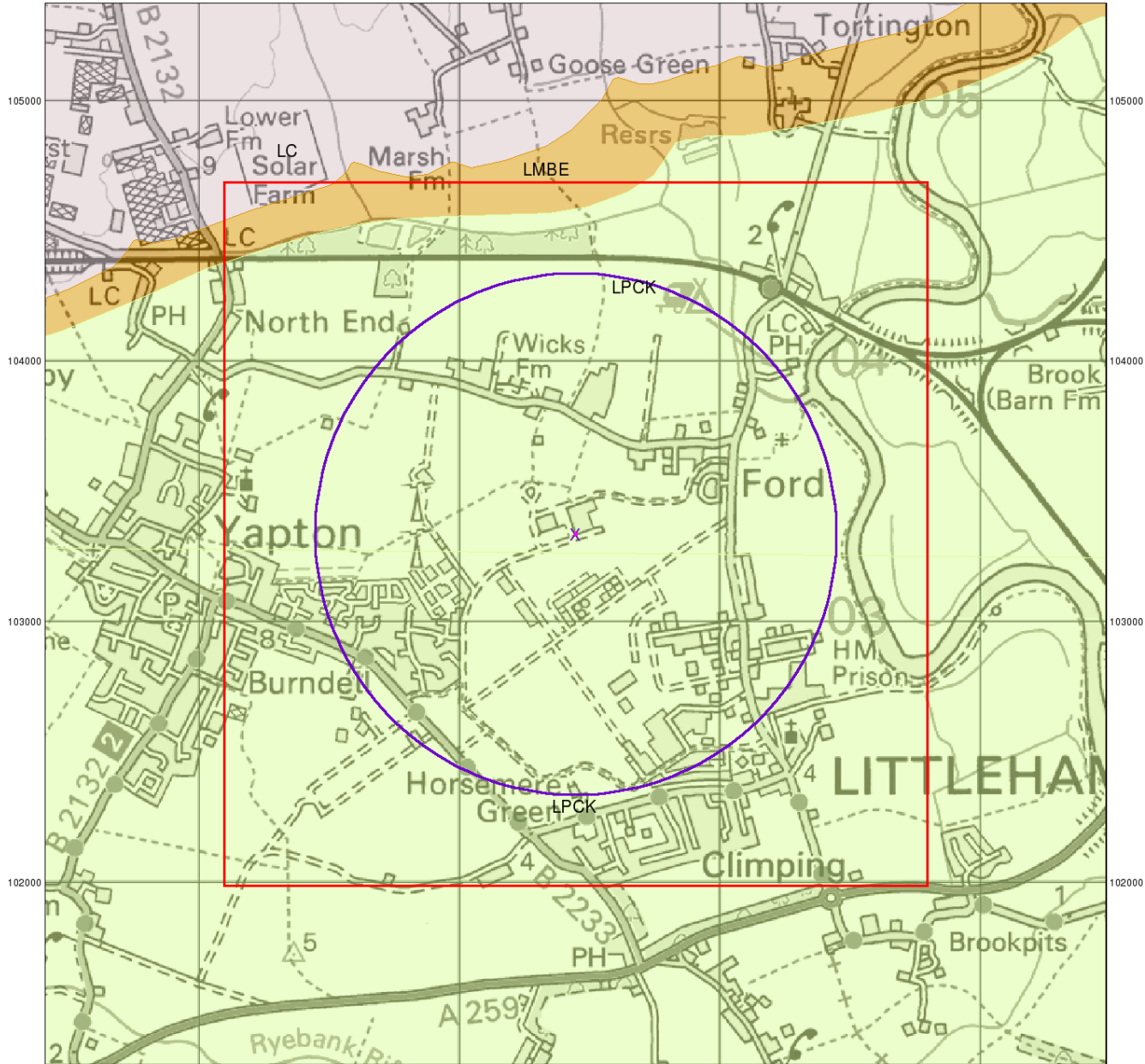
### Site Details:

Site at, Arundel, West Sussex



Tel: 0844 844 9952  
 Fax: 0844 844 9957  
 Web: www.envirocheck.co.uk

498000 499000 500000 501000



© Crown Copyright. All Rights Reserved. License Number 100022432.



### Bedrock and Faults

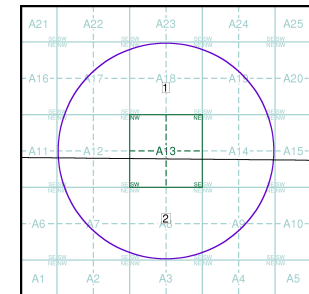
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice A



### Order Details:

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

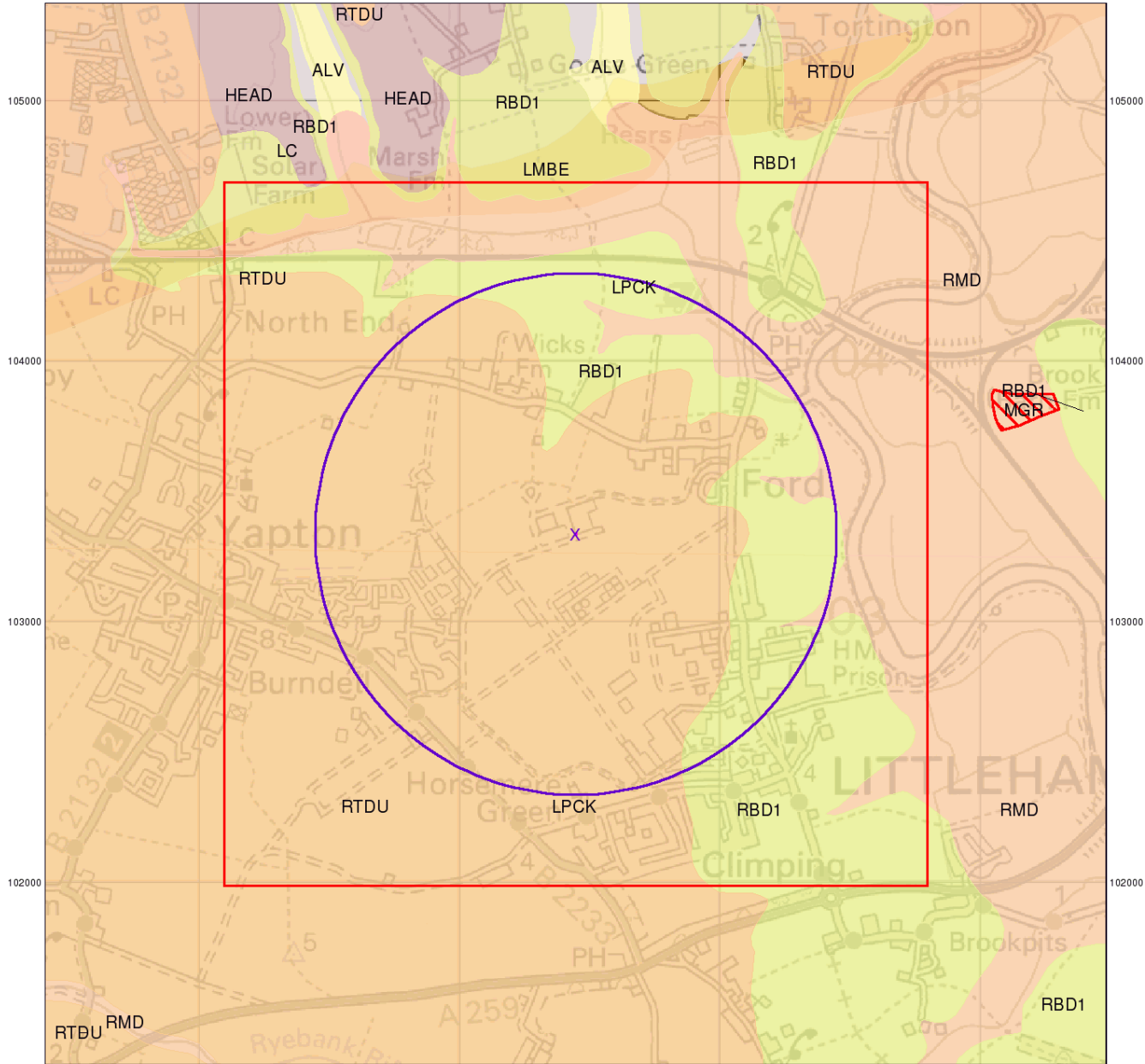
### Site Details:

Site at, Arundel, West Sussex



Tel: 0844 844 9952  
 Fax: 0844 844 9957  
 Web: www.envirocheck.co.uk

498000 499000 500000 501000



© Crown Copyright. All Rights Reserved. License Number 100022432.



### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

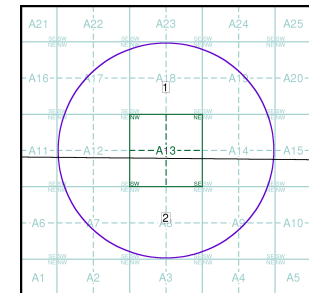
### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice A



### Order Details:

Order Number: 228749708\_1\_1  
 Customer Reference: 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

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	<b>-285</b> Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

## Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		
	Bracken		Heath
	Rough Grassland		
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		
	Standard Gauge Single Track		
	Siding, Tramway or Mineral Line		
	Narrow Gauge		
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

## 1:10,000 Raster Mapping

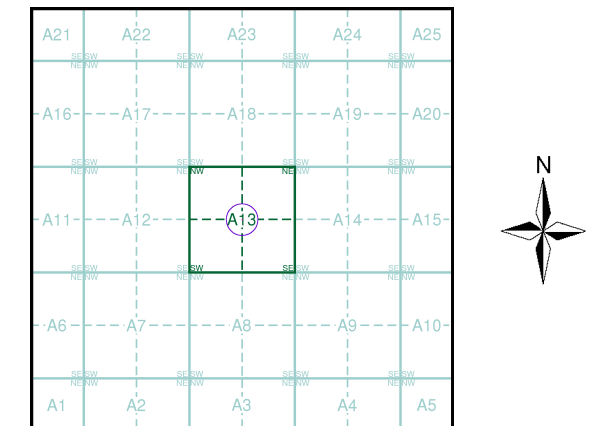
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	MHW(S) Mean high water (springs)		MLW(S) Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Sussex	1:10,560	1879 - 1880	2
Sussex	1:10,560	1899	3
Sussex	1:10,560	1913	4
Sussex	1:10,560	1913	5
Sussex	1:10,560	1913	6
Sussex	1:10,560	1932	7
Sussex	1:10,560	1938 - 1951	8
Historical Aerial Photography	1:10,560	1947	9
Ordnance Survey Plan	1:10,000	1962	10
Ordnance Survey Plan	1:10,000	1962 - 1967	11
Ordnance Survey Plan	1:10,000	1977	12
Ordnance Survey Plan	1:10,000	1980 - 1982	13
Ordnance Survey Plan	1:10,000	1992 - 1993	14
10K Raster Mapping	1:10,000	2000	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2019	17

## Historical 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