



**Starling
Environmental
Limited**

67 Chorley Old Road, Bolton, Greater Manchester, BL1 3AJ

www: starlingenvironmental.co.uk

Tel: 07989 73122

SITE CONDITION REPORT

**for
GREEN FUTURE RECYCLING LIMITED
PEEL ROAD, BLACKPOOL**

Report No 122/3

March 2025

For

**Green Future Recycling Limited
The Old Brickworks
Anna's Road
Blackpool
FY4 5JX**

DOCUMENT CONTROL	
DOCUMENT TITLE	Site Condition Report
REPORT NO	122/3
DATE ISSUED	27/3/2025
PREPARED BY	C Gettinby
REVISIONS	

CONTENTS

1. SITE DETAILS.....	4
2. CONDITION OF THE LAND AT PERMIT ISSUE	4
2.3 Evidence of historic contamination.....	7
2.4 Baseline soil and groundwater reference data	7
3. PERMITTED ACTIVITIES.....	8
3.1 Permitted activities.....	8
3.2 Non-permitted activities undertaken.....	8
3.3 Document references	8

APPENDICES

- Appendix A - Drawings
- Appendix B - Historical OS Maps
- Appendix C - Google Earth images and Site Photos
- Appendix D - Groundsure Report

DRAWINGS

- Drawing No 122/01 – Site Location Plan
- Drawing No 122/02 – Site Layout Plan
- Drawing No 122/03 – Receptors (1 Km)
- Drawing No 122/04 – Drainage Plan

1. SITE DETAILS

Name of the applicant	Green Future Recycling Limited
Activity address	The Old Brickworks Anna's Road, Off Peel Road Blackpool FY 5JX
National grid reference	SD 35652 31153
Permit Number	EPR/KP3723LP
Document reference and dates for Site Condition Report at permit application	122/3 September 2024
Document references for site plans (including location and boundaries)	Drawing No 122/01 – Site Location Plan Drawing No 122/02 – Site Layout Plan Drawing No 122/03 – Receptors 1 Km Drawing No 122/04 – Drainage Plan All drawings listed are contained in Appendix A

2. CONDITION OF THE LAND AT PERMIT ISSUE

2.1 Environmental setting including geology, hydrogeology and surface waters

Geology

The site is located on bedrock strata of the Sidmouth Mudstone Formation, part of the Triassic Mercia Mudstone Group formerly known as the Bollin Mudstone, which comprise principally mudstones with beds of sandstone, siltstone and halite.

The underlying superficial strata is Devensian Till which consists of clay, sand, gravel and silt.

Hydrogeology

The superficial deposits (Devensian Till) are classified as a Secondary Undifferentiated aquifer by the Environment Agency, which are assigned where it is not possible to attribute either aquifer category A or B to a rock type.

The bedrock is classed as a Secondary B aquifer, which has predominantly lower permeability layers.

The site is not situated within a groundwater source protection zone.

Surface Waters

There are no surface water features within the site. The principal watercourse in the vicinity of the site is the Branch Drain, located approximately 500 m to the south of the site at Higher Ballam. Water in Branch Drain flows south-eastwards to join the Main Drain approximately 1.75 km from the site, which in turn flows southwards towards the estuary of the River Ribble.

The surrounding area is predominantly rural and there are a number of ditches around the site, the closest of which is 110 m to the south-east of the site.

There are a number of small ponds located in the surrounding area. To the south of the site within the Westby landfill (south) are the Westby Clay Pits which are situated within Priority Listed Woodland Habitat. The clay pits are also part of the Lytham Moss Biological Heritage Site.

The site is situated within flood risk zone 1 which has a low risk from flooding.

2.2 Pollution history including:

- pollution incidents that may have affected land
- historical land-uses and associated contaminants
- any visual/olfactory evidence of existing contamination
- evidence of damage to pollution prevention measures

Site Details

The site comprises a rectangular shaped parcel of industrial land covering approximately 10,633 m² and is located on a former brick works site which was associated with the clay pits worked in the area. The site layout is shown on Drawing No 122/02.

The site is bound by Anna's Road to the south, beyond which is the operational Westby (south) landfill. There are a few small ponds to the west, and some woodland to the north-west. The Westby (north) landfill site rises above the site to the north and east and has been fully restored.

There is a large building at the site where incoming waste glass is processed by drying, crushing and screening to produce glass products. There are 2 silos adjacent to the building for storage of processed product. A wash plant will be located in the yard in the south-east corner where waste glass will be washed and screened to produce different size fractions. A small product storage building and bagging plant will be located adjacent to the wash plant.

The majority of the site is hardstanding. The wash plant will be located over concrete and there is a concrete pad at the entrance to the main processing building.

Surface water run-off from the yard currently runs via silt traps into the surface water drainage system beneath the site, which eventually empties into the local surface water drainage network. It is proposed that interceptors should be installed to remove any accidental fuel spills. The proposed location of this is shown on the Drainage Plan, Drawing No 122/04.

A gas storage compound with tanks storing LPG is located adjacent to the southern boundary.

Site History

Historical maps contained in Appendix B show that the site was undeveloped until around the 1940's when a brick works was constructed at the site. Prior to this, OS maps show a large clay pit covering the majority of the site. According to Groundsure, a refuse heap was present at the site on the 1847 OS map, this is then labelled as either an unspecified pit or a clay pit.

The layout of the site when it was a brick works consisted of a large building in the location of the existing processing building, and a number of smaller buildings and conveyors and plant. Two small brick buildings on the southern boundary were part of the original brick works layout and are still present at the site and used as a reception and office. A substation was constructed at the site by around 1993.

The site was operated as a brick works until around 2008. In addition, historical waste records are listed for the eastern section of the site as being part of the adjacent Westby North landfill (licenced between 1990 and 2008). Waste types permitted for landfilling were inert, industrial, commercial, household and special wastes. Reference to Google Earth images do not show that the site has been infilled.

Google Earth imagery for 2000 show the original brickworks layout at the site and the Westby landfills to the north and south are being worked around this time. By 2005, a number of the former brick works smaller buildings in the north of the site are no longer present. The Westby landfill (north) is fully restored sometime around 2010.

The current landowner purchased the site in 2000 and continued to operate it to produce bricks and concrete blocks until 2008. A Part B historical environmental permit was issued for the site for the 'use of bulk cement'.

Green Future Recycling commenced glass recycling at the site in 2009 following issue of planning permission for change of use. The recycling activities have been carried out under waste exemptions.

Pollution History

A Groundsure report has been obtained for the site and is contained in Appendix D. There is one record for a pollution incident on the site on the 13th May 2002 listed as 'other pollutant'. The incident had no impact to water or air and only minor impact to land.

Groundsure have historical waste records indicating that a small part of the eastern section of the site was part of the Westby North landfill and waste licenses were issued from 1990 to 2008 for landfilling. Reference to Google Earth images do not show any part of the site being infilled as part of the adjacent landfill (refer to Appendix C). This has been confirmed by discussion with both the current landowner and the Westby (north) landfill owner.

The surrounding Westby landfills to the north and south have a number of pollution incidents recorded between 2001 and 2003 for asbestos materials, household waste, landfill odour, smoke etc, all of which generally had minor impact to land, water or air.

No historical tanks are listed as being present at the site, and no dangerous substances are recorded as ever being present at the site.

A clay pit was worked at the site prior to the brick works being built. The clay pit would have been infilled. The material used for infilling is unknown.

The site has been used for industrial purposes since the 1940's when the former brick works was established.

Evidence of Contamination

A site walkover was undertaken on 19th August 2024 and photos are contained in Appendix C. The yard surface was in a good state of repair and there was no evidence of contamination observed at the site.

2.3 Evidence of historic contamination

for example, historical site investigation, assessment, remediation and verification reports (where available)

There are no reports available to the operator detailing the above information.

2.4 Baseline soil and groundwater reference data

There is no baseline soil or groundwater reference data for the site.

3. PERMITTED ACTIVITIES

3.1 Permitted activities

A bespoke permit application for waste physical and chemical treatment of waste has been submitted to the EA. This is to allow washing of waste glass and dry processing (drying, crushing and screening) of waste glass.

The proposed annual throughput is 75,000 tonnes per year and the proposed maximum storage capacity is 40,000 tonnes. This is the combined throughput for both the dry processing operations and the glass washing activity.

3.2 Non-permitted activities undertaken

Glass recycling has been conducted under waste exemptions by Green Future Recycling from 2009. Exemptions S1, S2 and T4 are registered under reference WEX355305. These are the dry processing activities listed in Section 3.1 and will come under the bespoke permit once issued. The exemptions will be deregistered at this point.

Storage of Liquid Petroleum Gas (LPG) is carried out in a bunded compound. LPG is used to provide heat for the offices and the glass dryer.

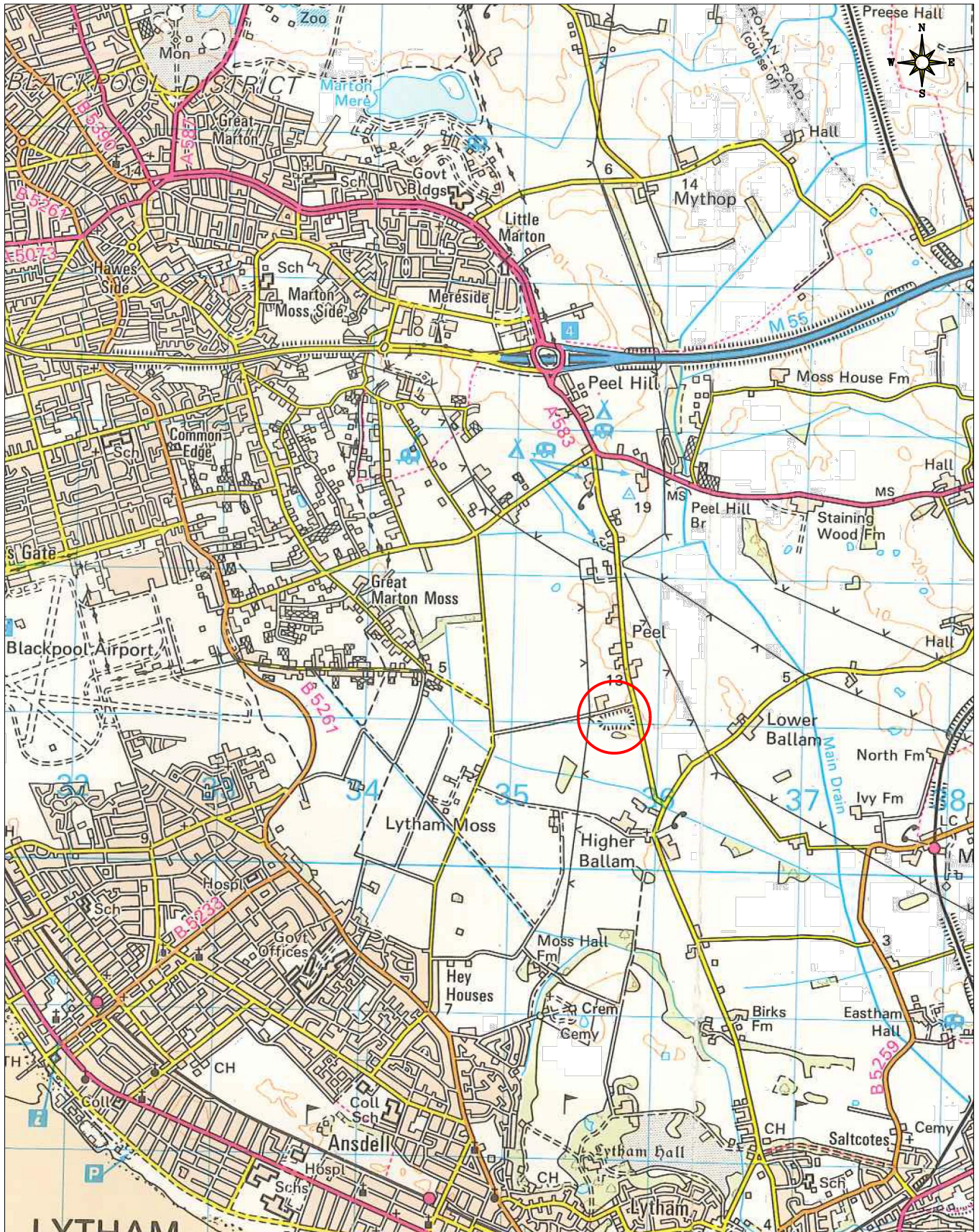
3.3 Document references

Permit application documents:

Report No 122/1 Environmental Risk Assessment
Report No 122/2 Dust Emissions Management Plan
Report No 122/4 Environmental Management System
Report No 122/5 Odour Management Plan
Report No 122/6 Noise Management Plan

APPENDIX A

Drawings



ORDNANCE SURVEY © CROWN COPYRIGHT 2023. ALL RIGHTS RESERVED. LICENCE NUMBER 100022432.

LEGEND — SITE LOCATION

STARLING ENVIRONMENTAL LIMITED
 67 Chorley Old Road, Bolton,
 Greater Manchester, BL1 3AJ
www.starlingenvironmental.co.uk
 email: claire@starlingenvironmental.co.uk
 Tel: 07989 673122

CLIENT
 GREEN FUTURE RECYCLING LIMITED

JOB TITLE.
 GREEN RECYCLING, THE OLD BRICKWORKS, BLACKPOOL

DRAWING TITLE.
 SITE LOCATION PLAN

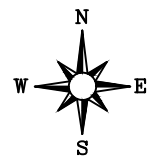
DRAWN BY.
 M.Y.B

DATE.
 26/08/24

SCALE © A4.
 1:50,000

APPROVED BY.
 C.G

DRAWING No.
 122/01



LEGEND

PERMIT BOUNDARY	CONCRETE	MAINS WATER	FUEL STORAGE	PALLISADE FENCING	GATE	DUST MONITORING POINT	SPILL KIT	WATER HOSE	DUST FILTER	BUILDING ENTRANCE	WATER DISCHARGE POINT
-----------------	----------	-------------	--------------	-------------------	------	-----------------------	-----------	------------	-------------	-------------------	-----------------------

STARLING ENVIRONMENTAL LIMITED
67 Chorley Old Road, Bolton, Greater Manchester, BL1 3AJ
www: starlingenvironmental.co.uk
email: claire@starlingenvironmental.co.uk
Tel: 07989 673122

CLIENT
GREEN FUTURE RECYCLING LIMITED

JOB TITLE.
GREEN RECYCLING, THE OLD BRICKWORKS, BLACKPOOL

DRAWING TITLE.
SITE LAYOUT PLAN

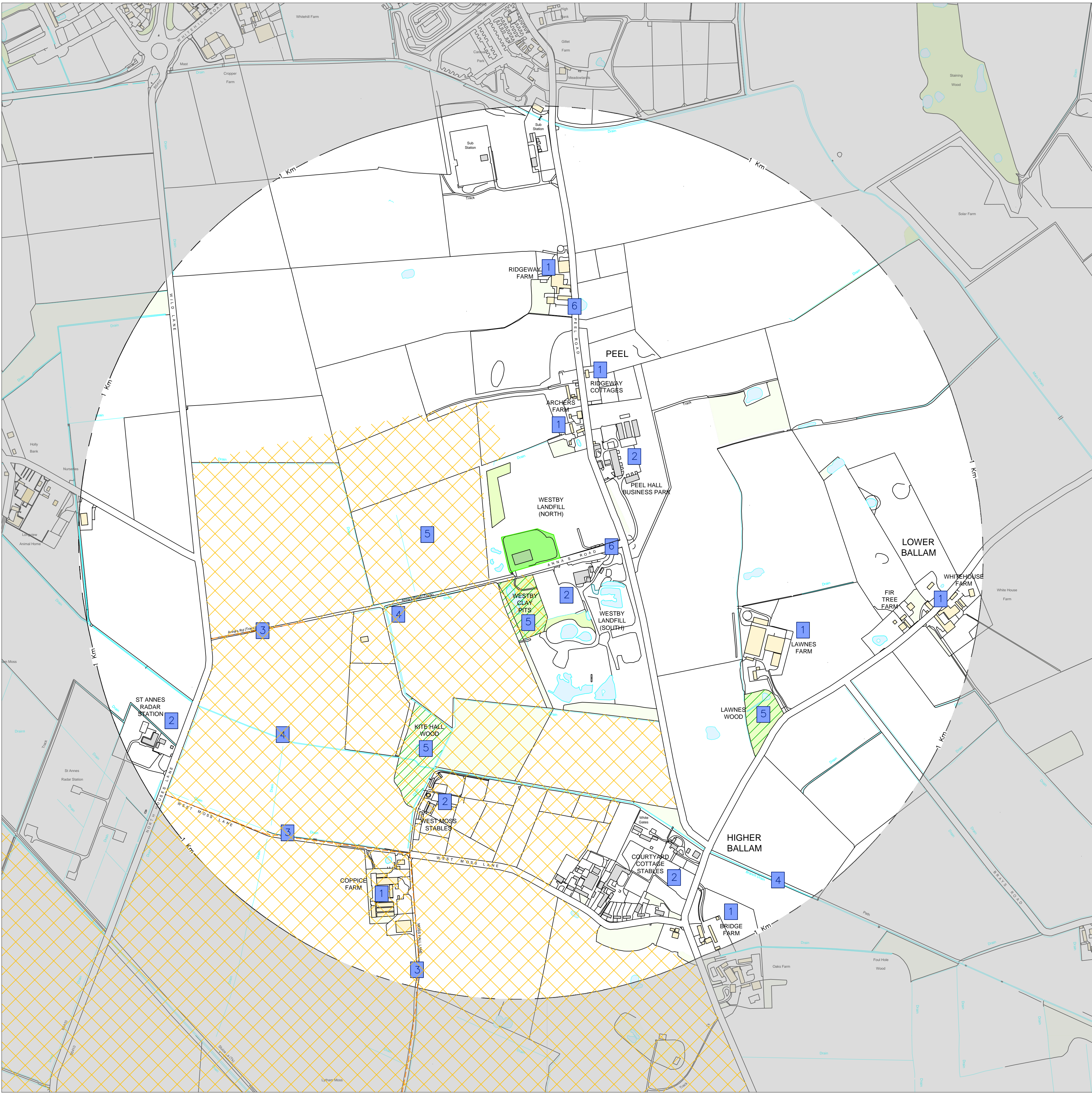
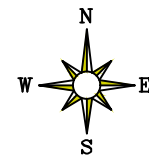
DRAWN BY.
M.Y.B

DATE.
26/08/24

SCALE @ A3.
1:1000

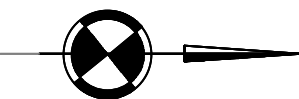
APPROVED BY.
C.G

DRAWING No.
122/02



LEGEND

- PERMIT AREA
- 1 KM RECEPTOR BOUNDARY
- FOOTPATHS
- RESIDENTIAL BUILDINGS
- INDUSTRIAL/COMMERCIAL
- WOODLAND
- PRIORITY HABITAT WOODLAND
- LYTHAM MOSS BIOLOGICAL HERITAGE SITE
- WATERBODIES/WATERWAYS
- RECEPTOR REFERENCE



PREVAILING WIND DIRECTION (FROM THE WEST)

REV.	DESCRIPTION	DATE	BY
------	-------------	------	----

STARLING ENVIRONMENTAL LIMITED
67 Chorley Old Road, Bolton,
Greater Manchester, BL1 3AJ
www: starlingenvironmental.co.uk
email: claire@starlingenvironmental.co.uk
Tel: 07989 673122

CLIENT:

GREEN FUTURE
RECYCLING LIMITED

JOB TITLE:

GREEN RECYCLING
THE OLD BRICKWORKS

DRAWING TITLE:

RECEPTORS
WITHIN 1 KM

DRAWN BY:

M.Y.B

APPROVED BY:

C.G

DRAWING No.

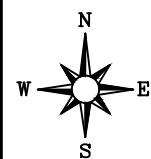
122/03

DATE:

12/08/24

SCALE @ A1:

1:4000



LEGEND

PERMIT BOUNDARY	CONCRETE	PALLISADE FENCING	GATE	BUILDING ENTRANCE	MAINS WATER	SURFACE DRAIN	SUB-SURFACE DRAIN/FLOW DIRECTION	WATER HOSE	WATER DISCHARGE POINT	SURFACE WATER FLOW DIRECTION
-----------------	----------	-------------------	------	-------------------	-------------	---------------	----------------------------------	------------	-----------------------	------------------------------

STARLING ENVIRONMENTAL LIMITED
67 Chorley Old Road, Bolton, Greater Manchester, BL1 3AJ
www: starlingenvironmental.co.uk
email: claire@starlingenvironmental.co.uk
Tel: 07989 673122

CLIENT
GREEN FUTURE RECYCLING LIMITED

JOB TITLE.
GREEN RECYCLING, THE OLD BRICKWORKS, BLACKPOOL

DRAWING TITLE.
DRAINAGE PLAN

DRAWN BY.
M.Y.B

DATE.
16/09/24

SCALE @ A3.
1:1000

APPROVED BY.
C.G

DRAWING No.
122/04

APPENDIX B

Historical OS Maps

Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: County Series

Map date: 1847

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised N/A
Edition 1847
Copyright N/A
Levelled N/A

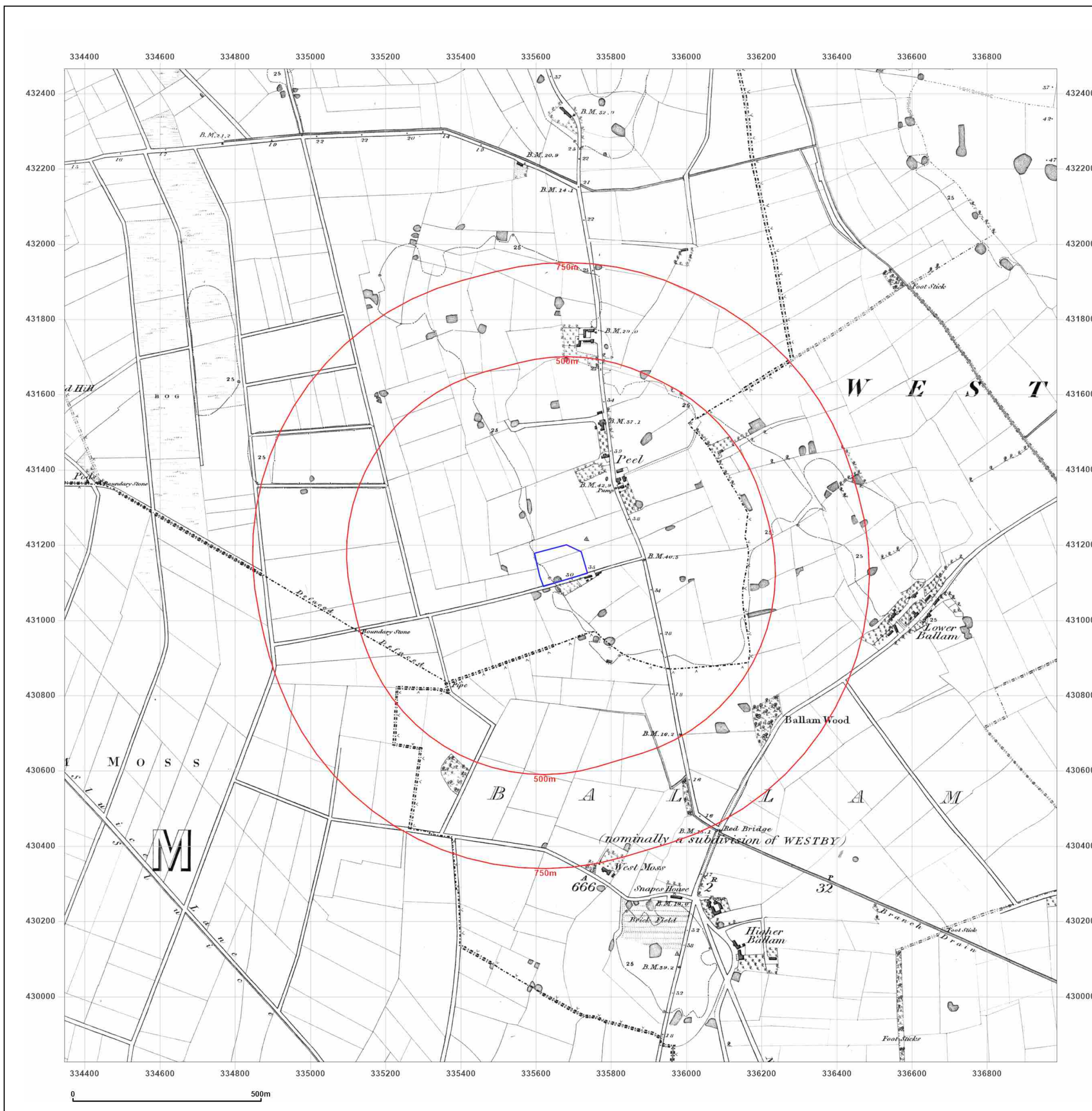


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: County Series

Map date: 1909

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

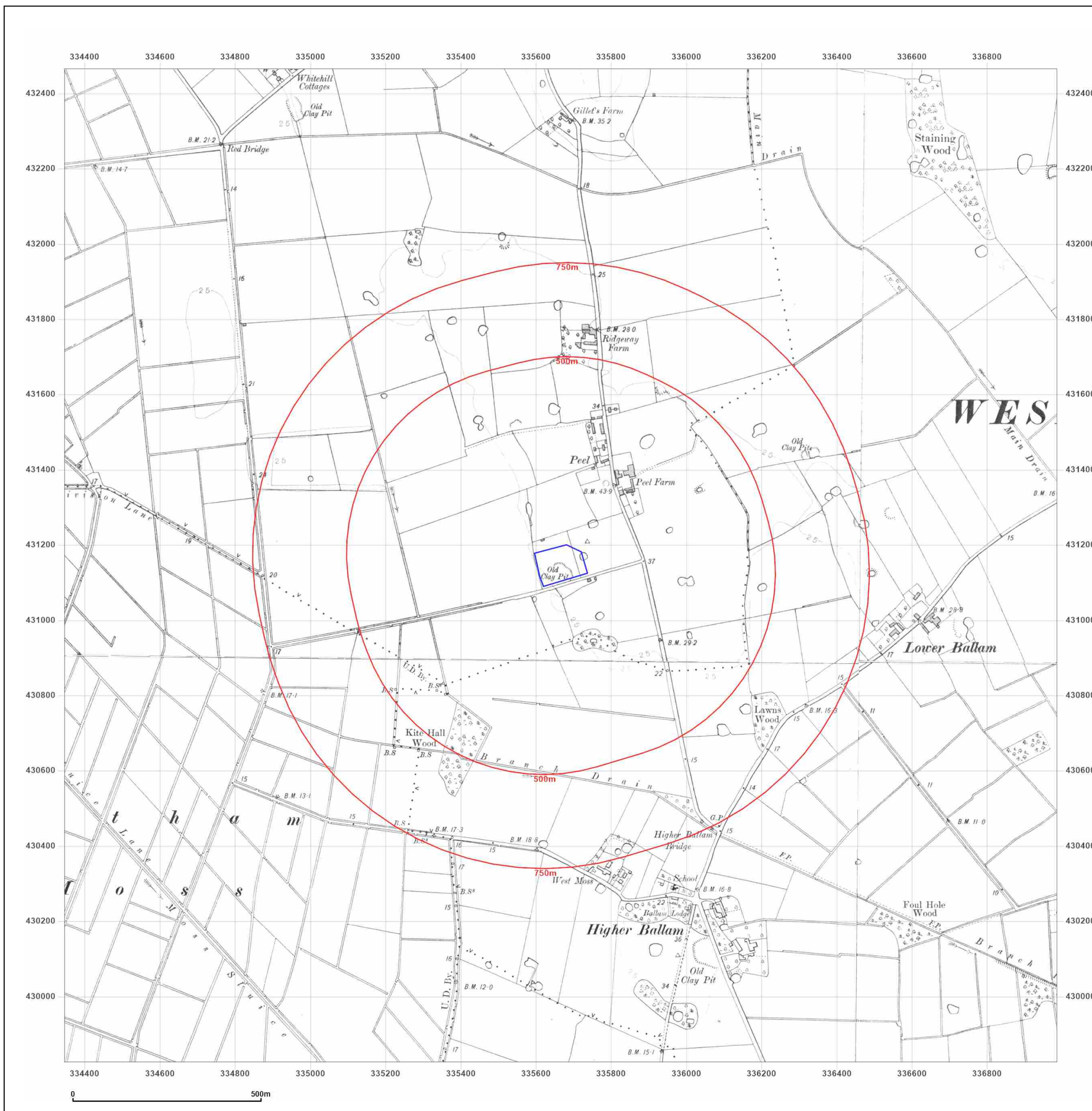


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: County Series

Map date: 1930

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

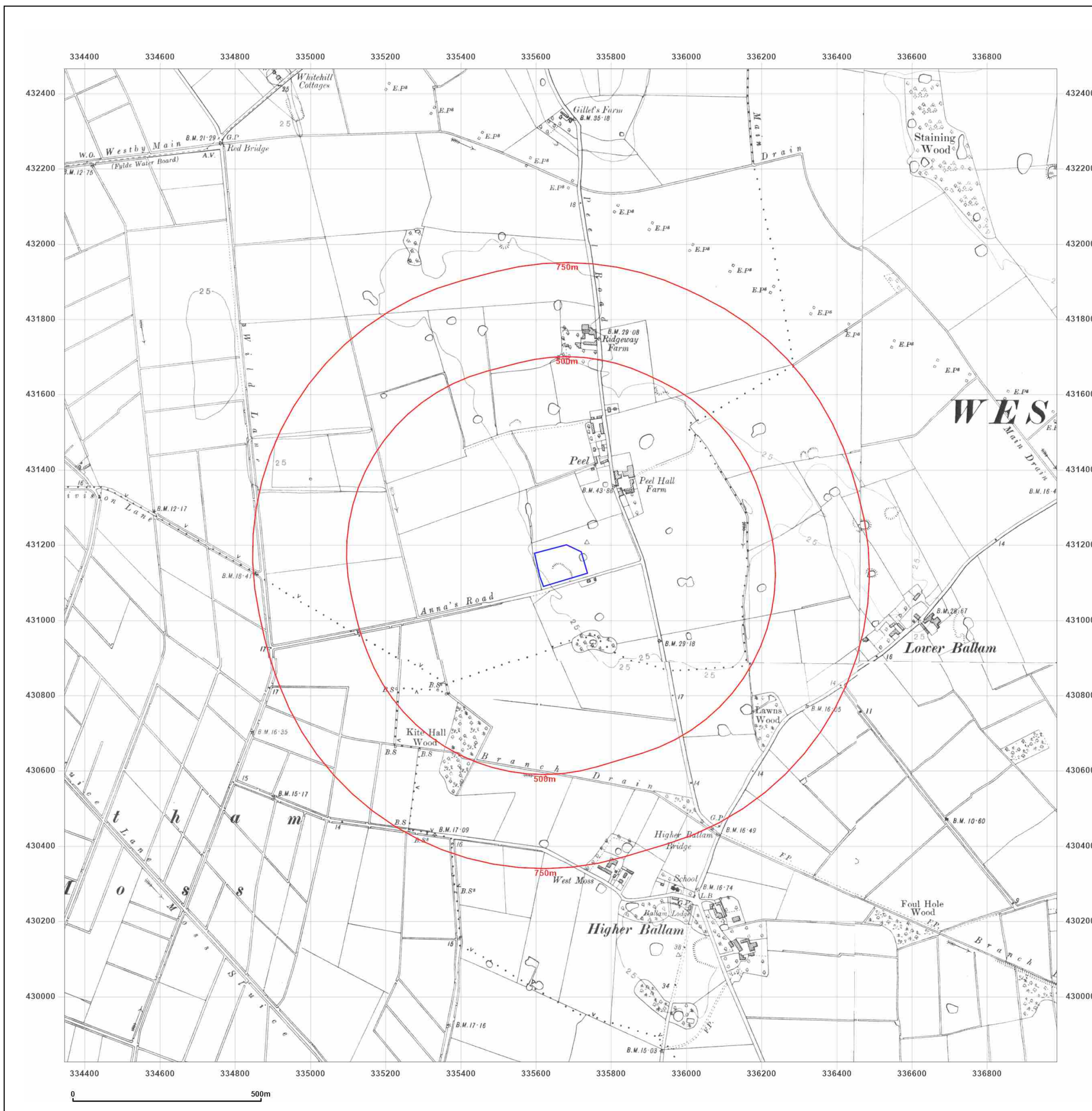


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

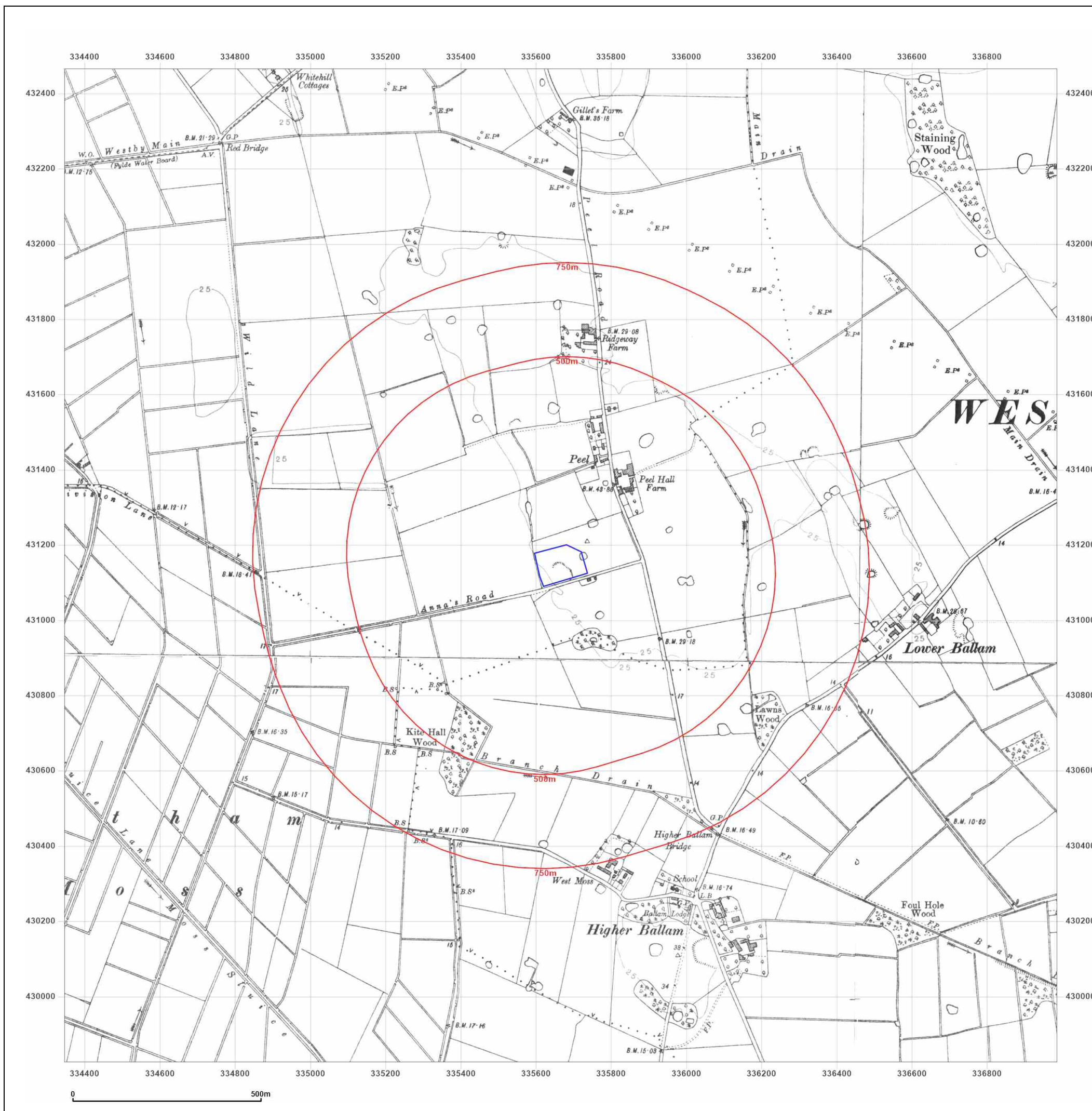


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: Provisional

Map date: 1951

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

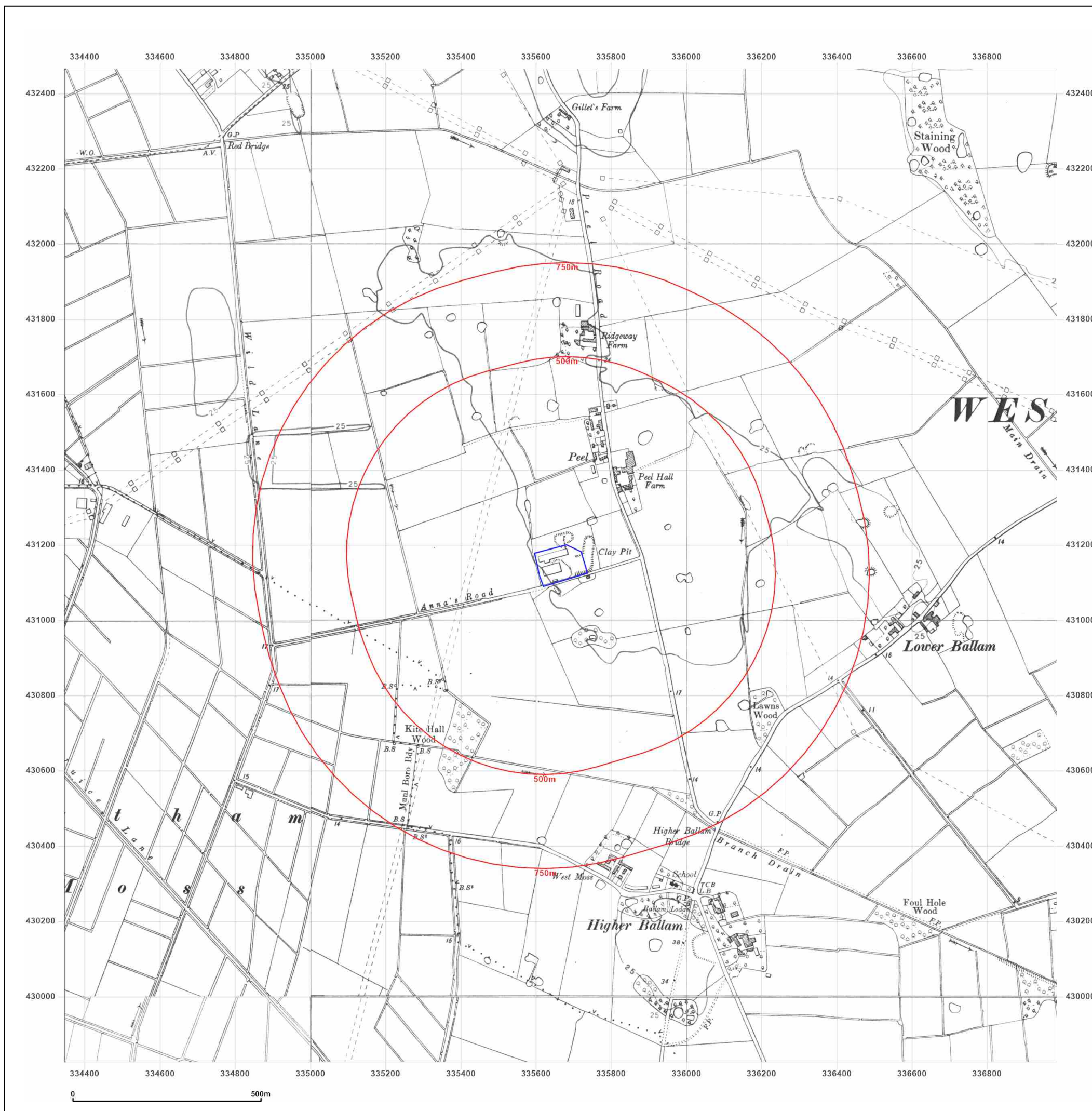


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 1969-1971

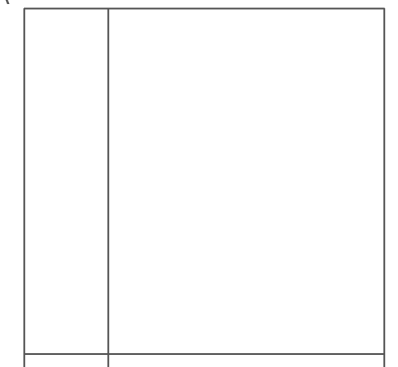
Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1966
Revised 1968
Edition N/A
Copyright 1971
Levelled N/A

Surveyed 1969
Revised 1969
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1971
Revised 1971
Edition N/A
Copyright N/A
Levelled N/A

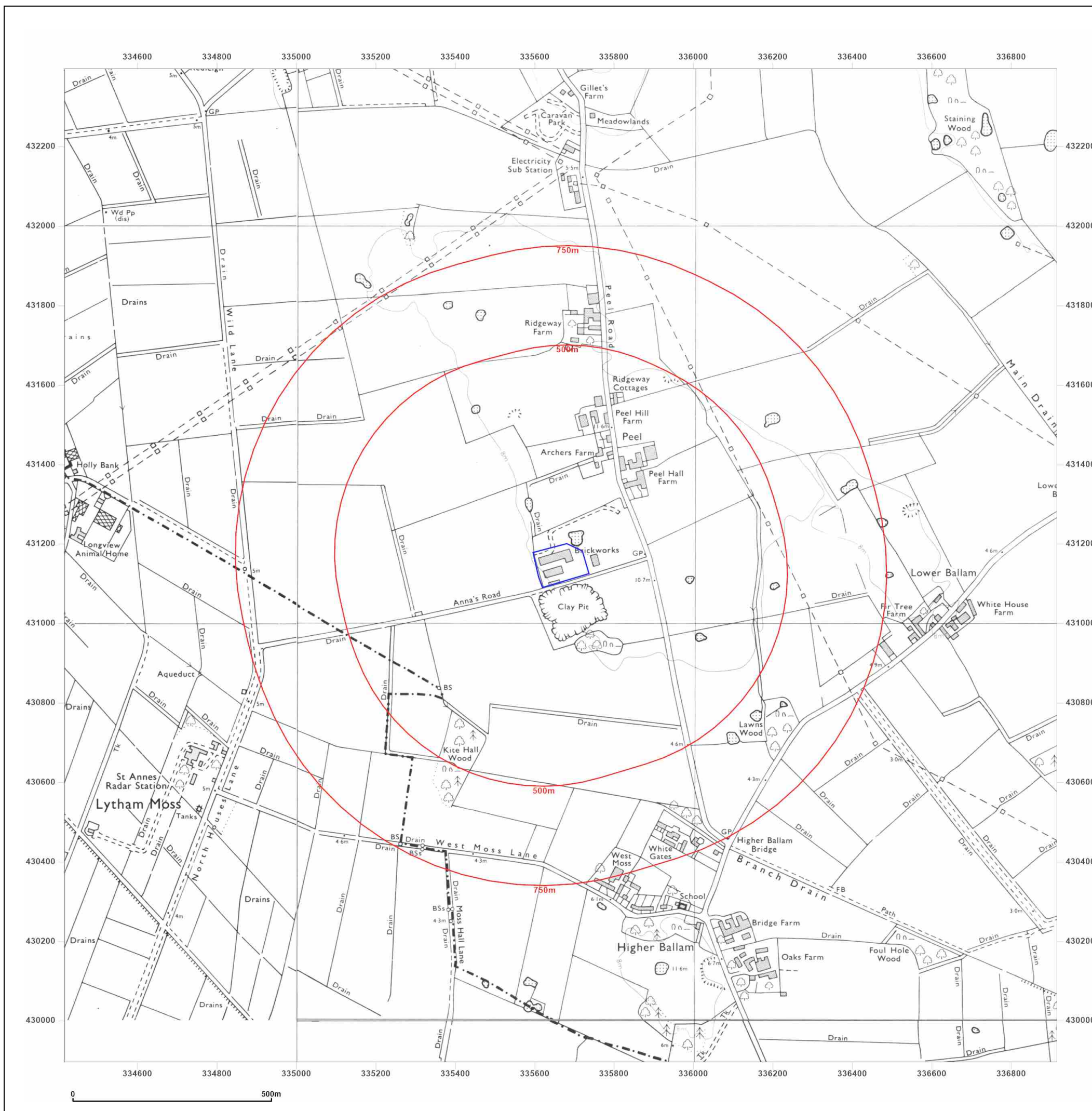


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 1978-1982

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1975
Revised 1978
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1981
Revised 1982
Edition N/A
Copyright N/A
Levelled N/A

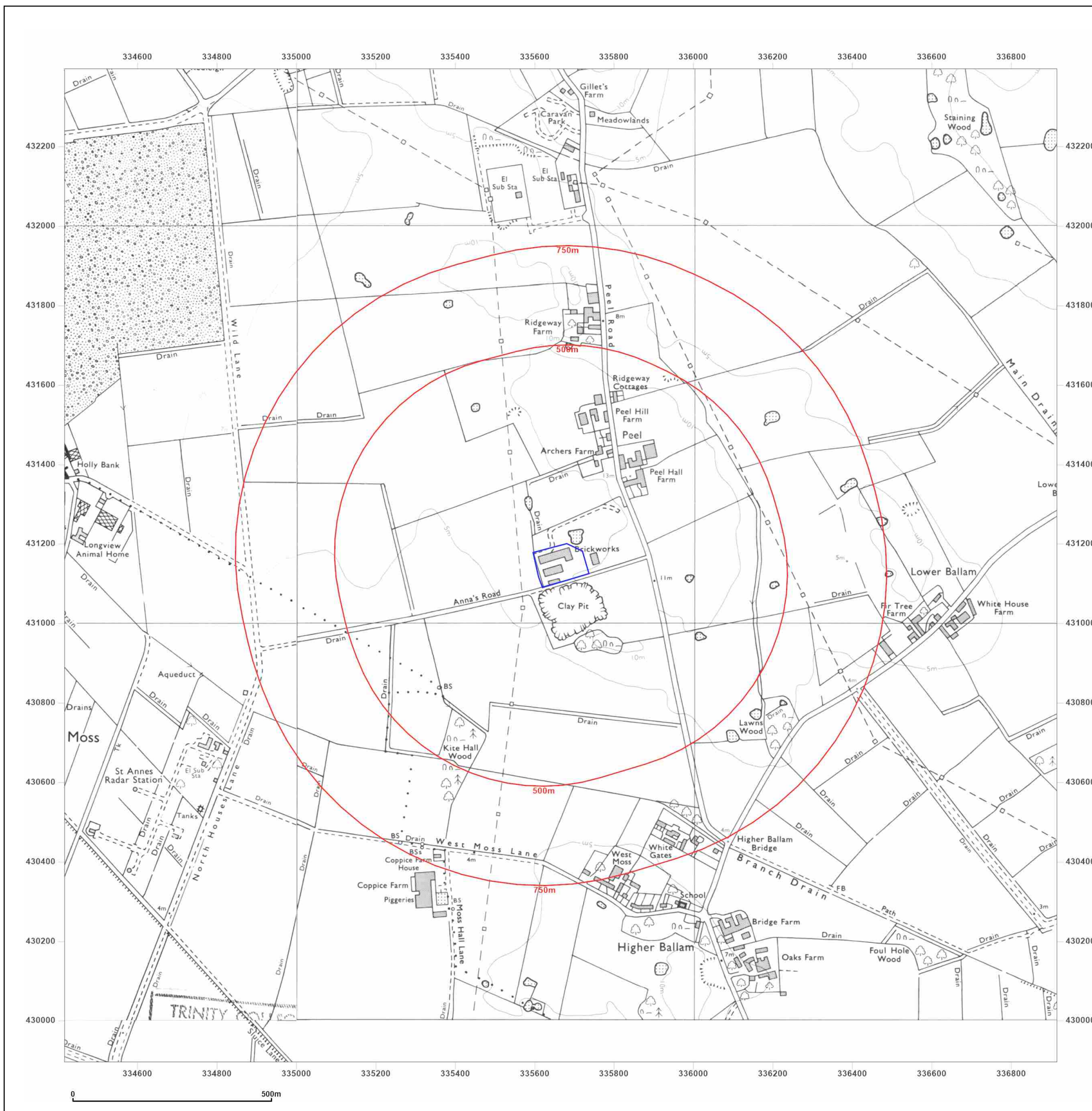


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 1987-1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1985
Revised 1987
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1975
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1987
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

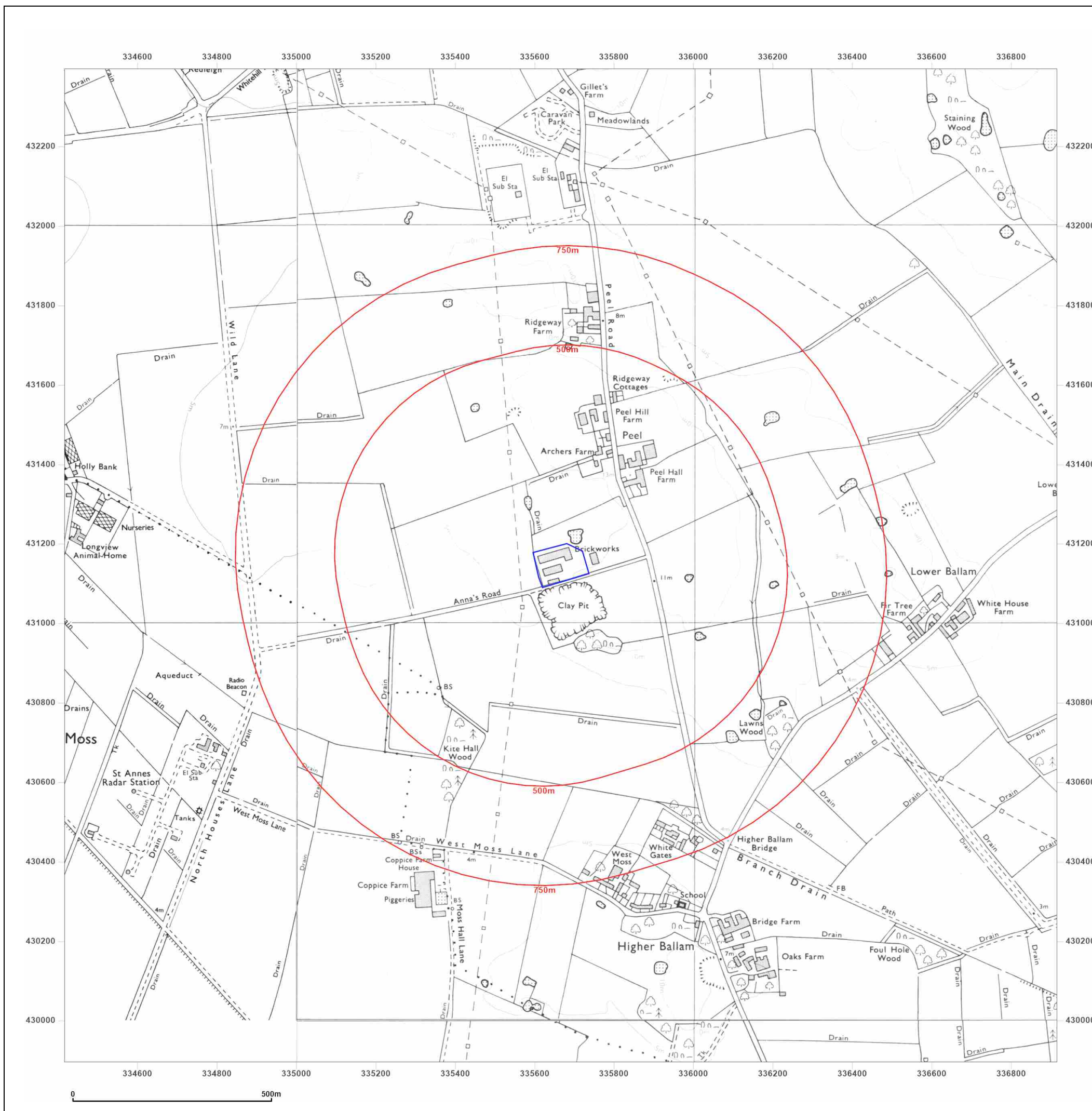


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

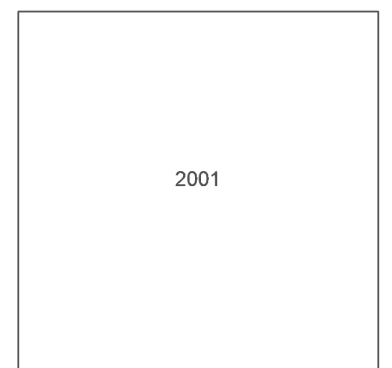
Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

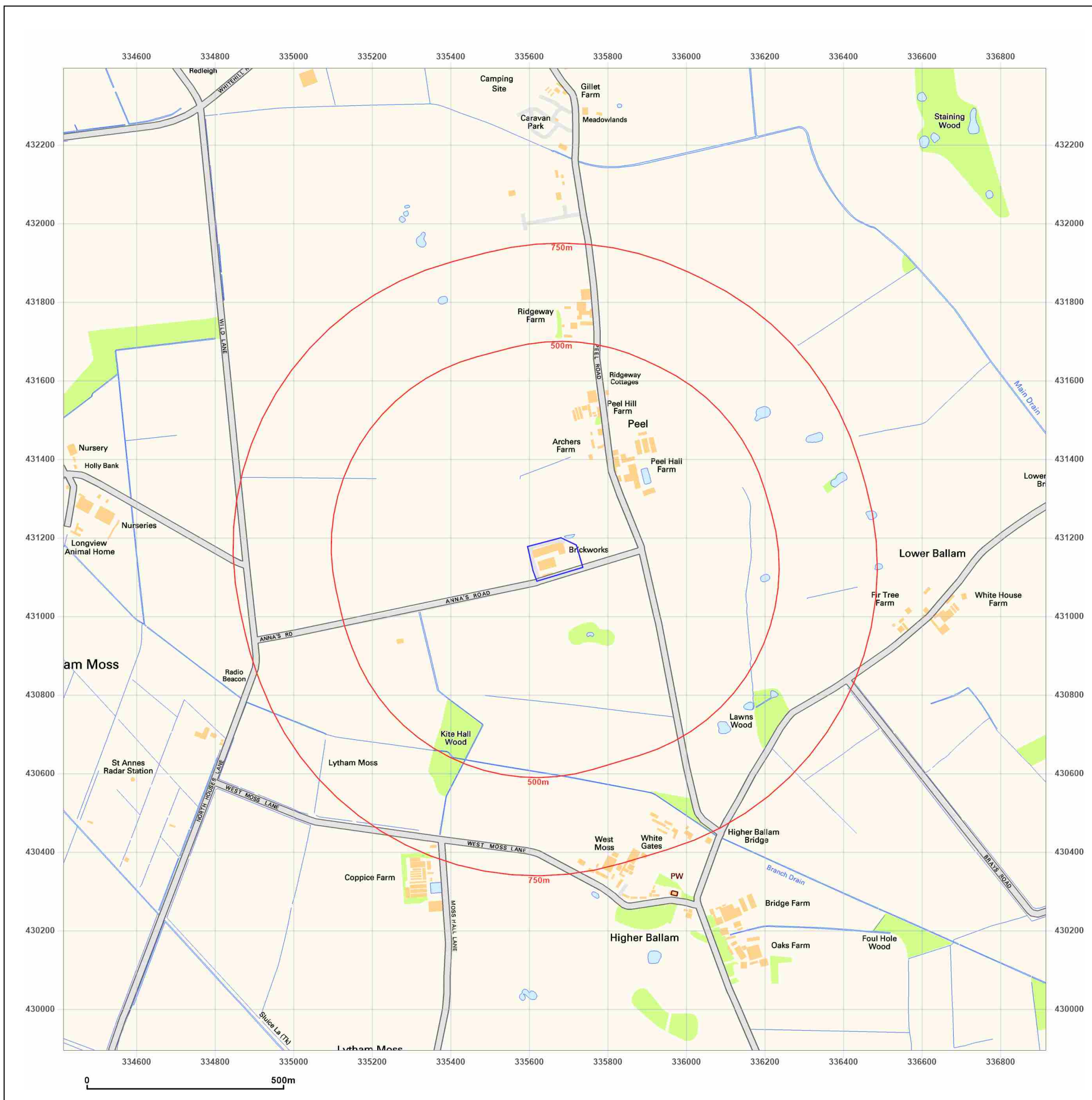


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

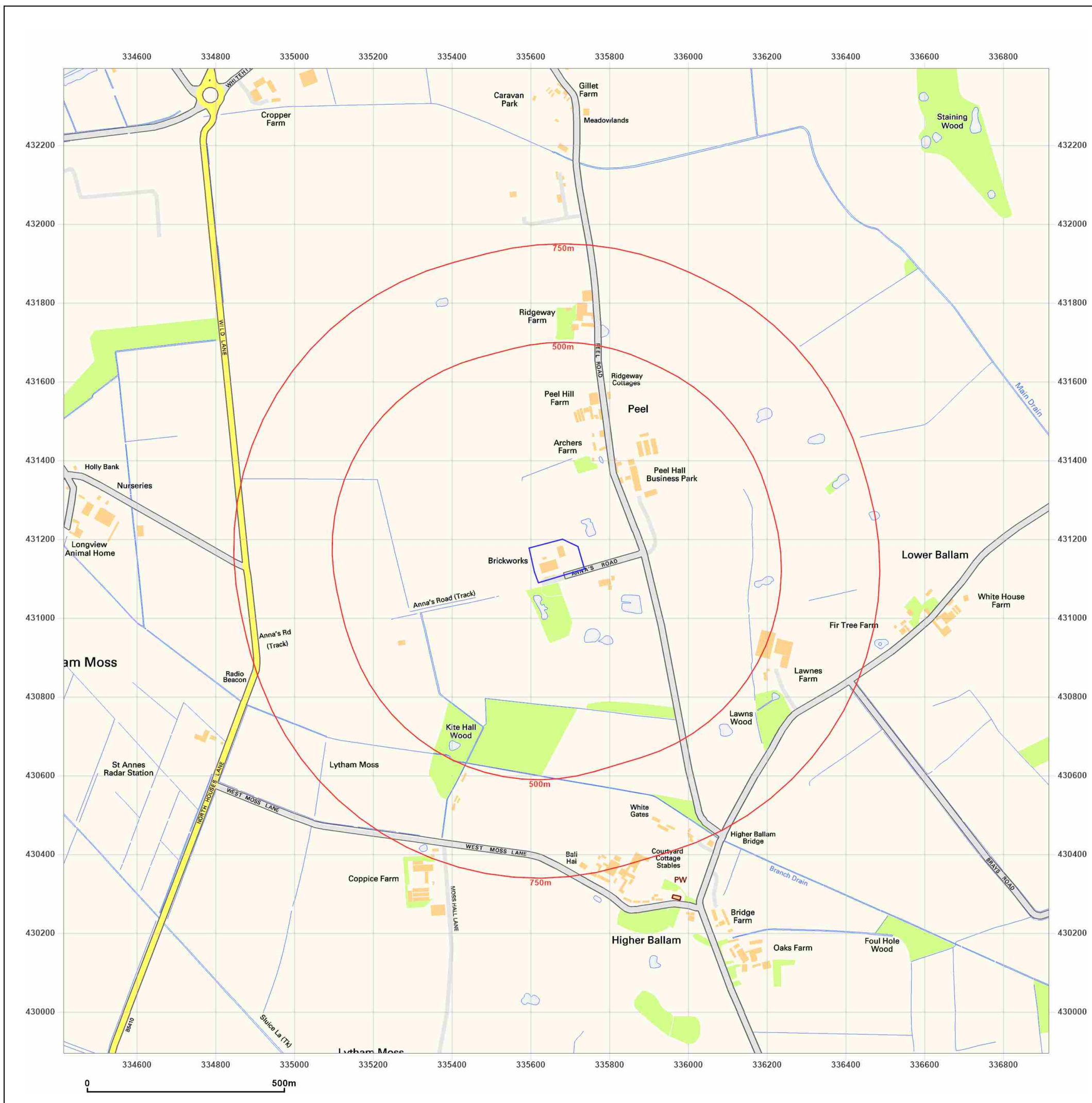


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

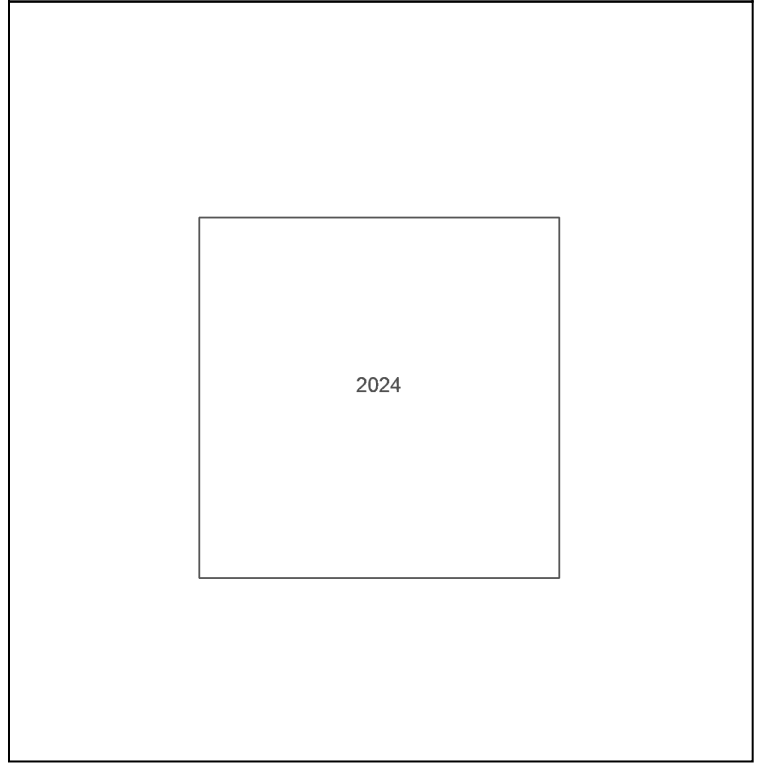


Site Details:
green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid
Map date: 2024
Scale: 1:10,000
Printed at: 1:10,000

N
W —+— E
S

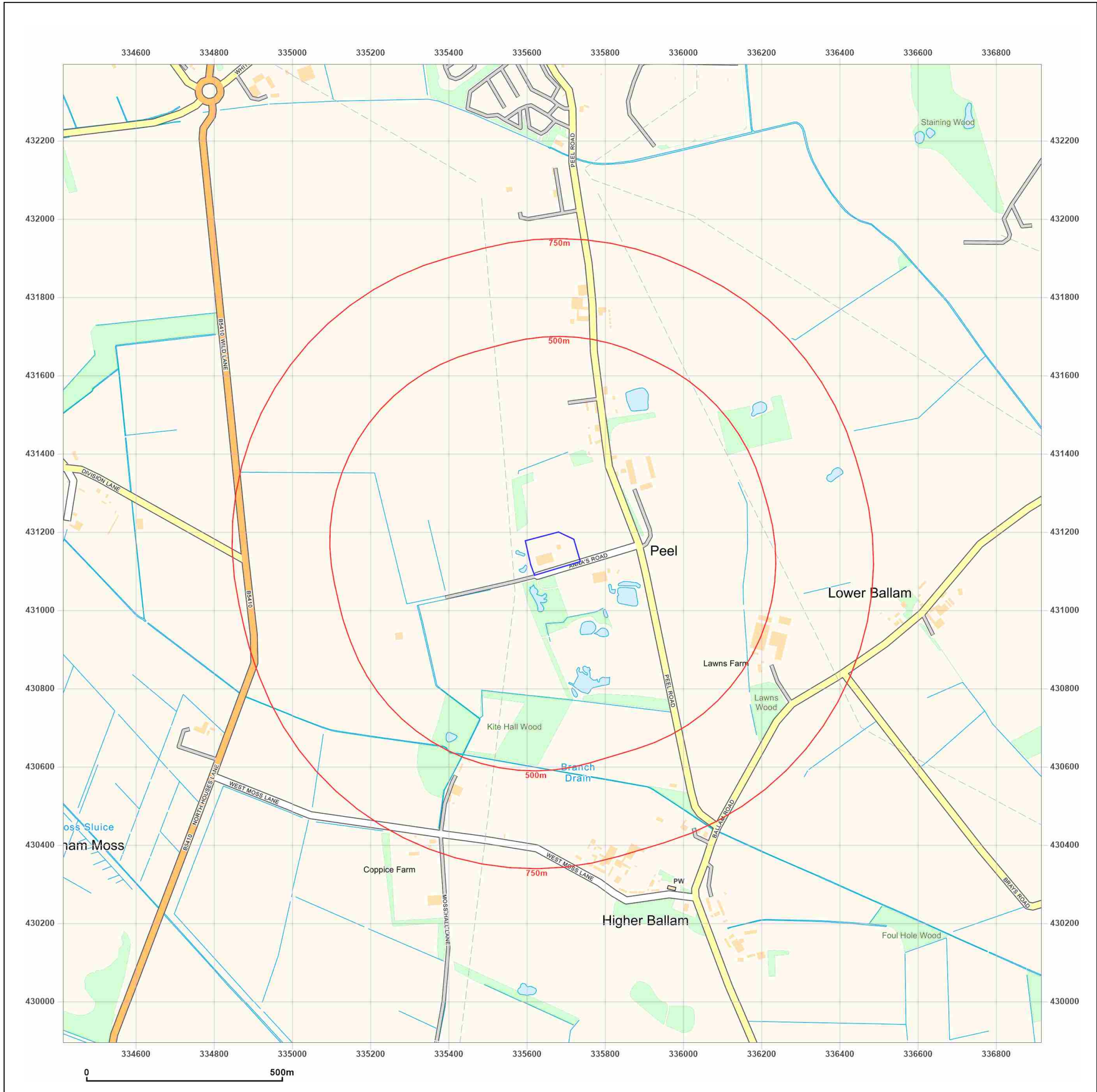


 Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: County Series

Map date: 1911

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1911
 Revised 1911
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1911
 Revised 1911
 Edition N/A
 Copyright N/A
 Levelled N/A



Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: County Series

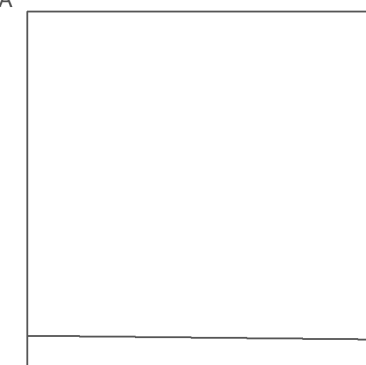
Map date: 1938

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1938
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

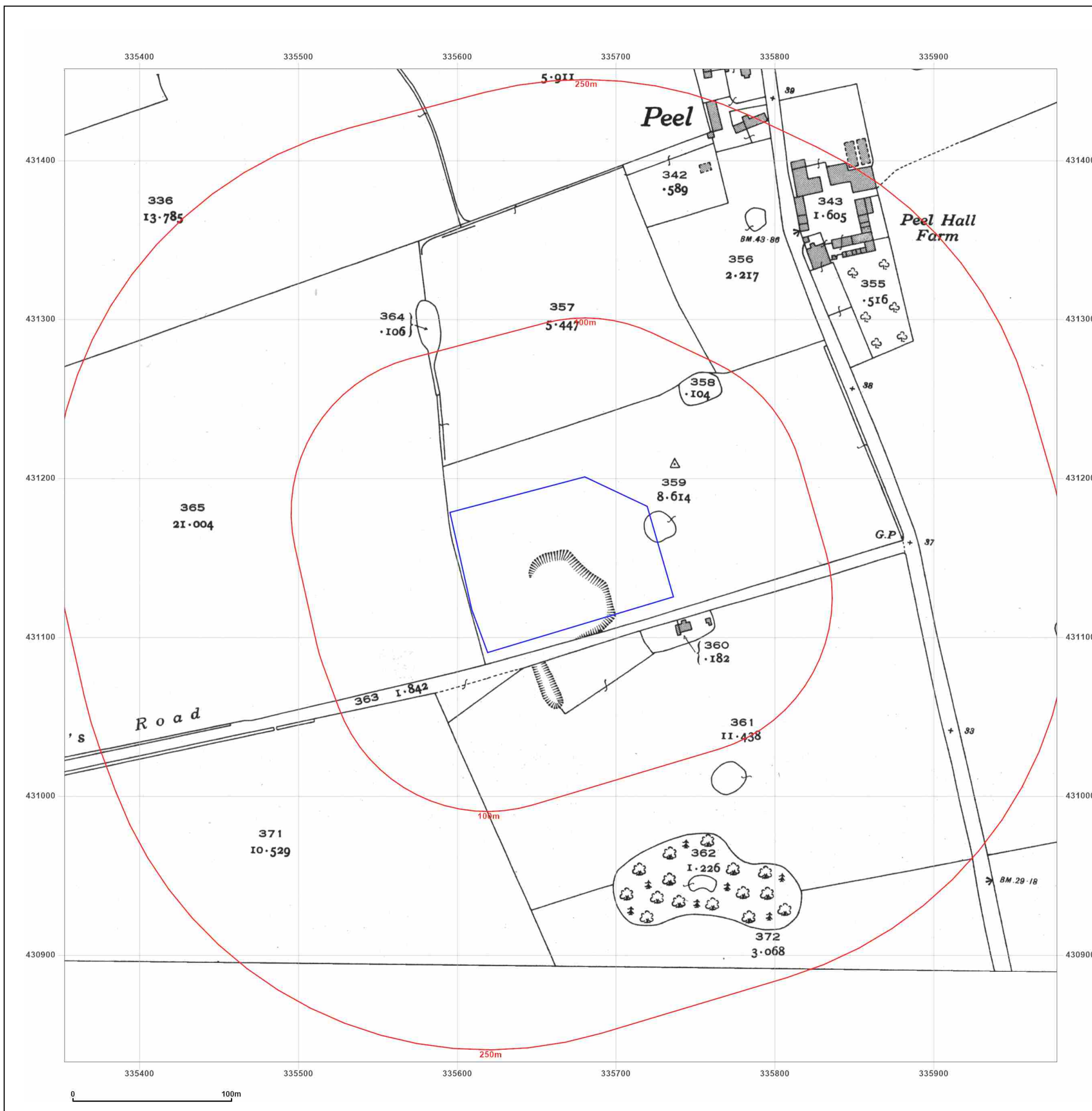


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
 Revised 1966
 Edition N/A
 Copyright 1967
 Levelled 1961

Surveyed 1966
 Revised 1966
 Edition N/A
 Copyright 1967
 Levelled 1960

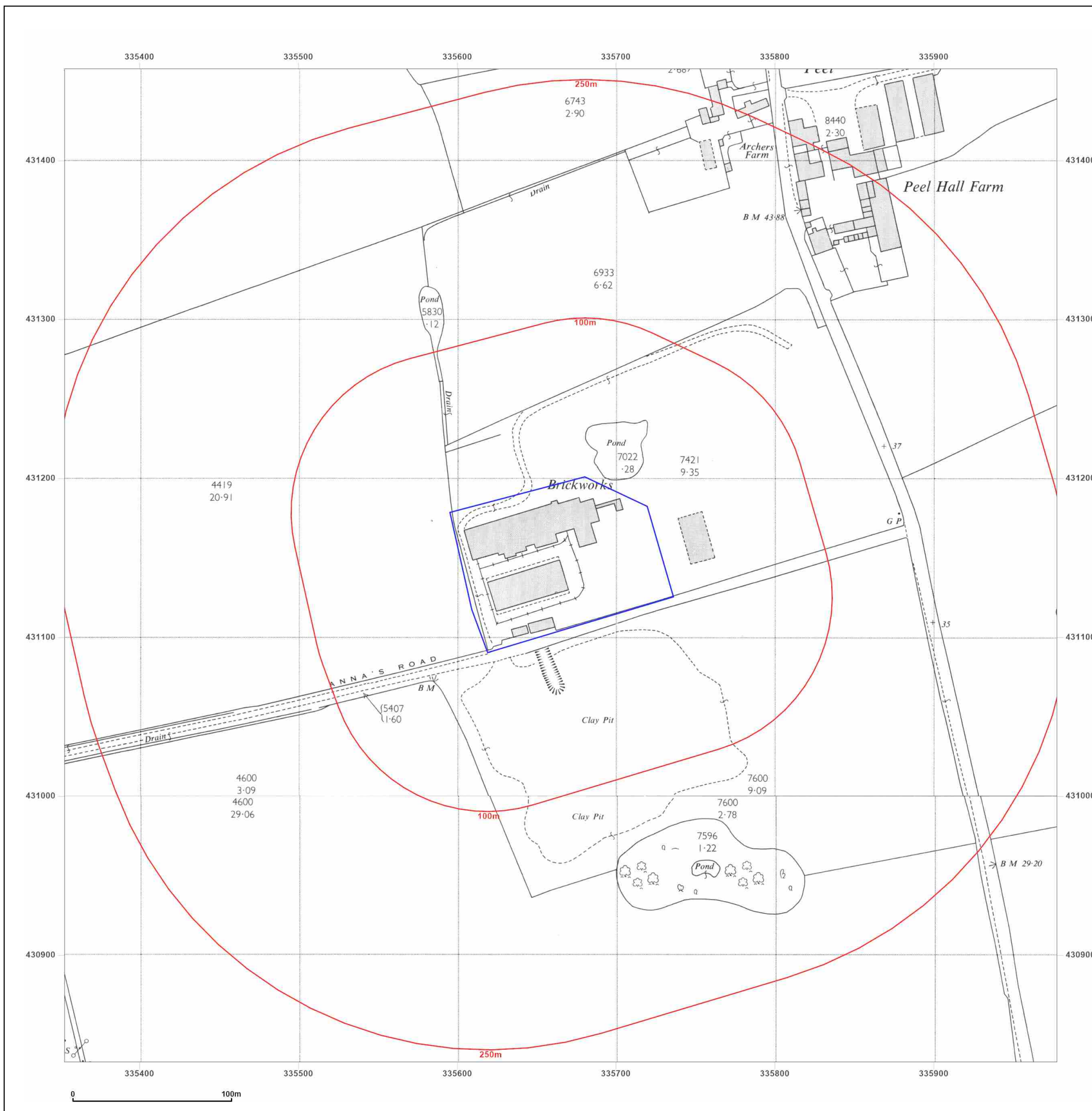


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

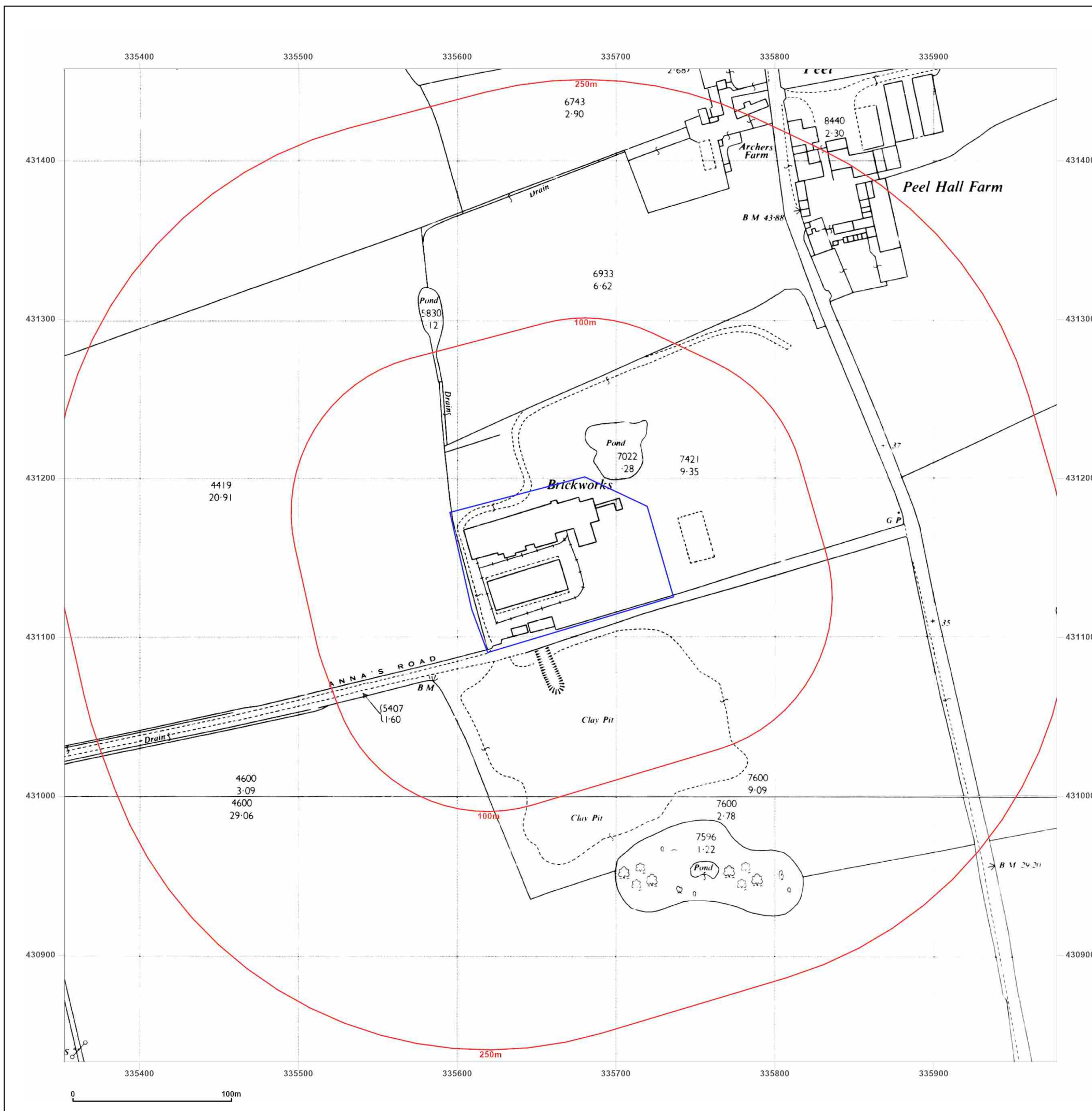


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

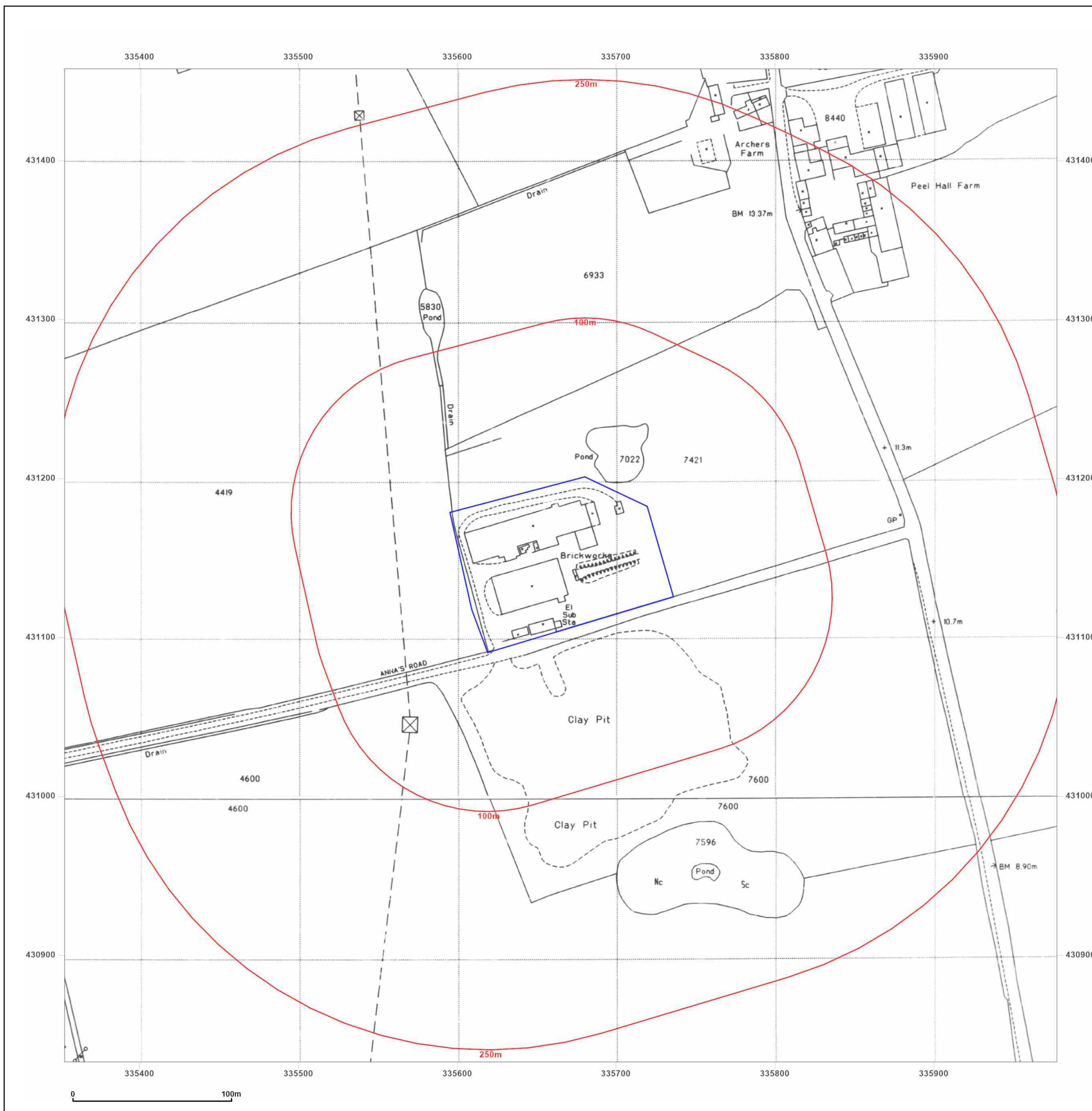


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

green future recycling

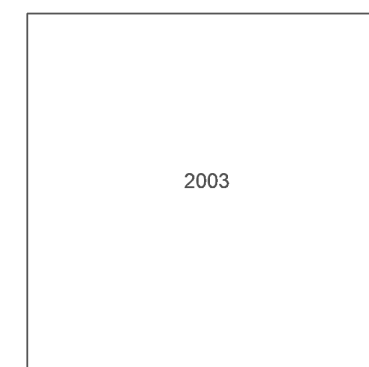
Client Ref: 122
Report Ref: GS-5JI-YTU-41K-6LP
Grid Ref: 335665, 431145

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

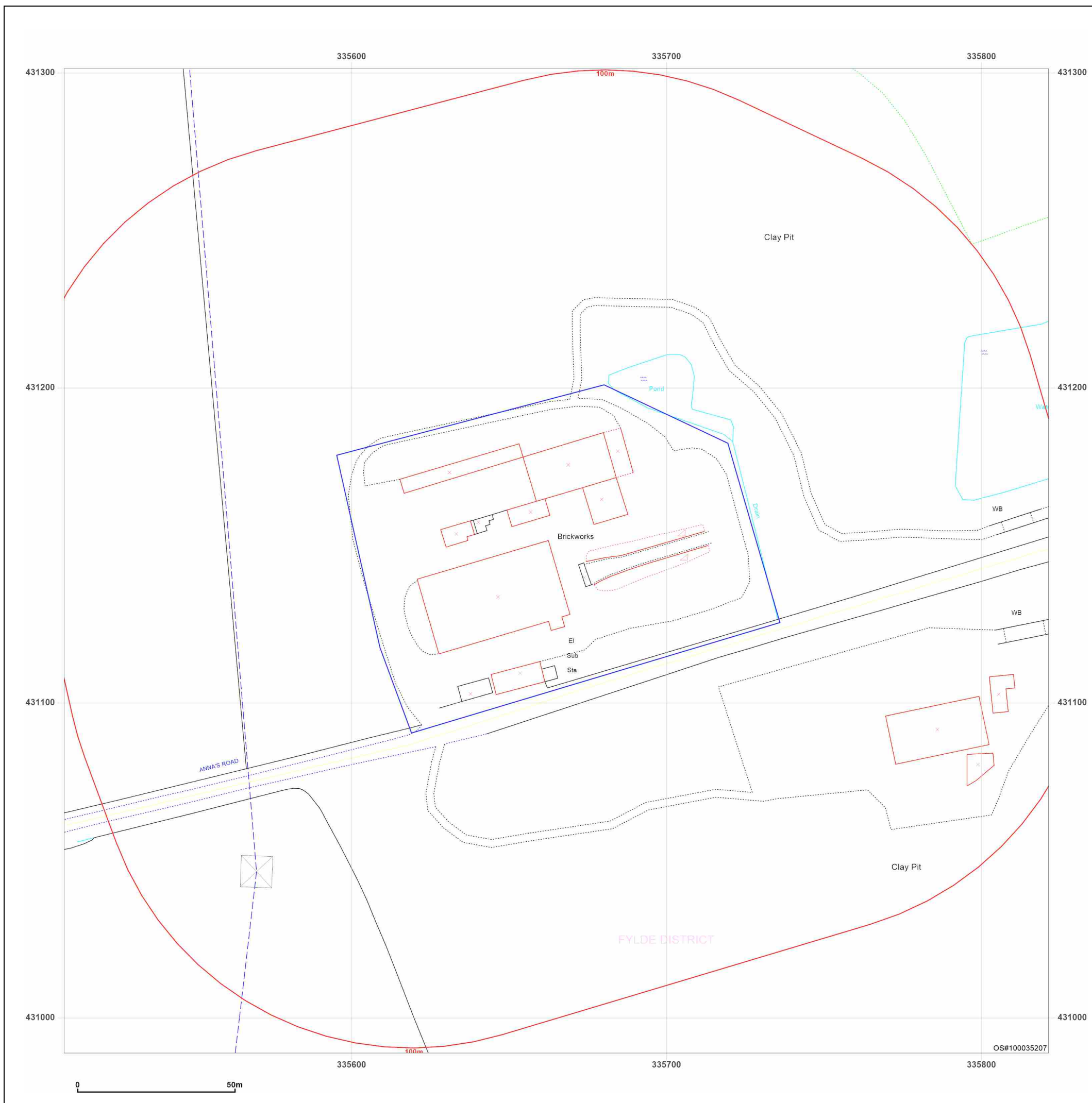


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 12 August 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



APPENDIX C

Google Earth Images and Site Photos

Google Earth 2024: Glass recycling being conducted by Green Future Recycling, fully restored Westby landfill (north) surrounding to the north, east and west, Westby landfill (south) currently being infilled by Woods Waste Limited



Google Earth 2012: fully restored Westby landfill (north) surrounding to the north, east and west, Westby landfill (south) currently being infilled by Woods Waste Limited



Google Earth 2005: landfilling at Westby landfill (north) surrounding to the north, east and west, Westby landfill (south) currently being infilled by Woods Waste Limited



Google Earth 2000: landfilling of the Westby landfill (north) surrounding to the north, east and west, Westby landfill (south) currently being infilled by Woods Waste Limited



Photo 1: Site entrance, weighbridge and main processing building



Photo 2: Dust filters and processing building in background, incoming processed glass product for processing in foreground



Photo 3: Surface water drain and concrete pad at entrance to main processing building



Photo 4: Gas storage tanks



Photo 5: Inside main processing building



APPENDIX D

Groundsure Report



green future recycling

Order Details

Date: 12/08/2024
Your ref: 122
Our Ref: GS-23P-B66-4FS-M27

Site Details

Location: 335662 431148
Area: 1.05 ha
Authority: [Fylde Borough Council](#) ↗



[Summary of findings](#)

[p. 2 >](#) [Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#) [Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	9	4	2	12	-
17	1.2	Historical tanks	0	0	0	0	-
17 >	1.3 >	Historical energy features >	1	0	0	0	-
17	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
19 >	2.1 >	Historical industrial land uses >	12	6	2	17	-
21	2.2	Historical tanks	0	0	0	0	-
21 >	2.3 >	Historical energy features >	1	0	0	0	-
21	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23 >	3.1 >	Active or recent landfill >	0	2	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24 >	3.4 >	Historical landfill (EA/NRW records) >	3	2	0	0	-
26 >	3.5 >	Historical waste sites >	1	2	0	0	-
26 >	3.6 >	Licensed waste sites >	0	2	3	0	-
28 >	3.7 >	Waste exemptions >	9	0	8	11	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
31 >	4.1 >	Recent industrial land uses >	1	0	4	-	-
32	4.2	Current or recent petrol stations	0	0	0	0	-
32	4.3	Electricity cables	0	0	0	0	-
32	4.4	Gas pipelines	0	0	0	0	-
32	4.5	Sites determined as Contaminated Land	0	0	0	0	-



33	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
33	4.7	Regulated explosive sites	0	0	0	0	-
33 >	4.8 >	<u>Hazardous substance storage/usage ></u>	0	0	1	0	-
33	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
34 >	4.10 >	<u>Licensed industrial activities (Part A(1)) ></u>	0	0	9	0	-
35 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	1	0	0	0	-
35	4.12	Radioactive Substance Authorisations	0	0	0	0	-
36 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	2	-
36	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
36	4.15	Pollutant release to public sewer	0	0	0	0	-
37	4.16	List 1 Dangerous Substances	0	0	0	0	-
37	4.17	List 2 Dangerous Substances	0	0	0	0	-
37 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	1	2	16	18	-
41 >	4.19 >	<u>Pollution inventory substances ></u>	0	0	1	0	-
54	4.20	Pollution inventory waste transfers	0	0	0	0	-
55	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
56 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
58 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
59 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
60	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
60	5.5	Groundwater vulnerability- local information	None (within 0m)				
61	5.6	Groundwater abstractions	0	0	0	0	0
62 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	1
62	5.8	Potable abstractions	0	0	0	0	0
62	5.9	Source Protection Zones	0	0	0	0	-
62	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
64 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	0	0	7	-	-



65 >	6.2 >	Surface water features >	0	3	12	-	-
65 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
66 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
66 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
67	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
67	7.2	Historical Flood Events	0	0	0	-	-
67	7.3	Flood Defences	0	0	0	-	-
68	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
68	7.5	Flood Storage Areas	0	0	0	-	-
69	7.6	Flood Zone 2	None (within 50m)				
69	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
70 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
72 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
73	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
74	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
74	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
74	10.4	Special Protection Areas (SPA)	0	0	0	0	0
74	10.5	National Nature Reserves (NNR)	0	0	0	0	0
75	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
75	10.7	Designated Ancient Woodland	0	0	0	0	0
75	10.8	Biosphere Reserves	0	0	0	0	0
75	10.9	Forest Parks	0	0	0	0	0
76	10.10	Marine Conservation Zones	0	0	0	0	0
76 >	10.11 >	Green Belt >	0	0	0	0	1
76	10.12	Proposed Ramsar sites	0	0	0	0	0



76	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
77	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
77	10.15	Nitrate Sensitive Areas	0	0	0	0	0
77	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
78 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
79	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
80	11.1	World Heritage Sites	0	0	0	-	-
80	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
80	11.3	National Parks	0	0	0	-	-
80	11.4	Listed Buildings	0	0	0	-	-
81	11.5	Conservation Areas	0	0	0	-	-
81	11.6	Scheduled Ancient Monuments	0	0	0	-	-
81	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	12.1 >	Agricultural Land Classification >	Grade 2 (within 250m)				
83	12.2	Open Access Land	0	0	0	-	-
83	12.3	Tree Felling Licences	0	0	0	-	-
83	12.4	Environmental Stewardship Schemes	0	0	0	-	-
84 >	12.5 >	Countryside Stewardship Schemes >	0	0	1	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
85 >	13.1 >	Priority Habitat Inventory >	0	3	0	-	-
86	13.2	Habitat Networks	0	0	0	-	-
86 >	13.3 >	Open Mosaic Habitat >	1	0	0	-	-
86	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
87 >	14.1 >	10k Availability >	Identified (within 500m)				
88 >	14.2 >	Artificial and made ground (10k) >	1	1	0	0	-
89 >	14.3 >	Superficial geology (10k) >	1	0	1	4	-



90	14.4	Landslip (10k)	0	0	0	0	-
91 >	14.5 >	Bedrock geology (10k) >	1	0	0	0	-
92	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	15.1 >	50k Availability >	Identified (within 500m)				
94	15.2	Artificial and made ground (50k)	0	0	0	0	-
94	15.3	Artificial ground permeability (50k)	0	0	-	-	-
95 >	15.4 >	Superficial geology (50k) >	1	0	2	1	-
96 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
96	15.6	Landslip (50k)	0	0	0	0	-
96	15.7	Landslip permeability (50k)	None (within 50m)				
97 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
98 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
98	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
99	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence >					
100 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
101 >	17.2 >	Running sands >	Very low (within 50m)				
102 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
103 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
104 >	17.5 >	Landslides >	Low (within 50m)				
106 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	18.1 >	BritPits >	1	0	0	0	-
109 >	18.2 >	Surface ground workings >	11	9	9	-	-
110	18.3	Underground workings	0	0	0	0	0
110	18.4	Underground mining extents	0	0	0	0	-
111 >	18.5 >	Historical Mineral Planning Areas >	1	0	0	0	-



111	18.6	Non-coal mining	0	0	0	0	0
111	18.7	JPB mining areas	None (within 0m)				
111	18.8	The Coal Authority non-coal mining	0	0	0	0	-
112	18.9	Researched mining	0	0	0	0	-
112	18.10	Mining record office plans	0	0	0	0	-
112	18.11	BGS mine plans	0	0	0	0	-
112	18.12	Coal mining	None (within 0m)				
112	18.13	Brine areas	None (within 0m)				
113	18.14	Gypsum areas	None (within 0m)				
113	18.15	Tin mining	None (within 0m)				
113	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
114	19.1	Natural cavities	0	0	0	0	-
114	19.2	Mining cavities	0	0	0	0	0
114	19.3	Reported recent incidents	0	0	0	0	-
114	19.4	Historical incidents	0	0	0	0	-
115	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
116 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
118 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
118	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
118	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
119	22.1	Underground railways (London)	0	0	0	-	-
119	22.2	Underground railways (Non-London)	0	0	0	-	-
120	22.3	Railway tunnels	0	0	0	-	-
120 >	22.4 >	Historical railway and tunnel features >	2	0	0	-	-
120	22.5	Royal Mail tunnels	0	0	0	-	-



120	22.6	Historical railways	0	0	0	-	-
121	22.7	Railways	0	0	0	-	-
121	22.8	Crossrail 1	0	0	0	0	-
121	22.9	Crossrail 2	0	0	0	0	-
121	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved

Capture Date: 10/08/2022

Site Area: 1.05ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 12 August 2024

Recent site history - 2019 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 22/04/2019

Site Area: 1.05ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 12 August 2024

Recent site history - 2015 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 22/04/2015

Site Area: 1.05ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 12 August 2024

Recent site history - 2012 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved

Capture Date: 26/03/2012

Site Area: 1.05ha



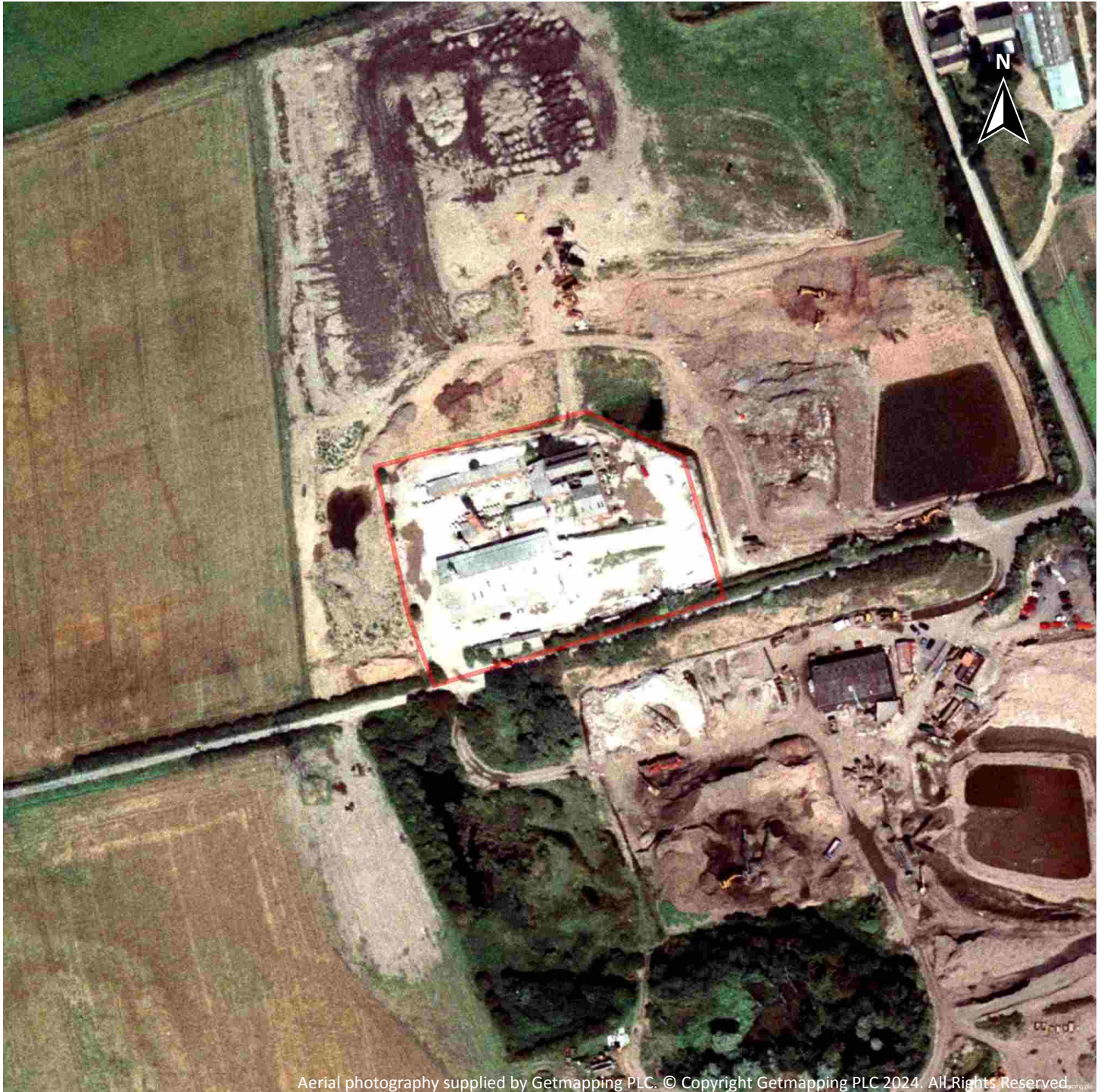
Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 12 August 2024

Recent site history - 2000 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 25/08/2000

Site Area: 1.05ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 12 August 2024

OS MasterMap site plan



Site Area: 1.05ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 12 August 2024

1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical energy features

1.1 Historical industrial land uses

Records within 500m

27

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	On site	Refuse Heap	1847	656256



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Pit	1938	742392
A	On site	Old Clay Pit	1909 - 1930	773849
A	On site	Unspecified Pit	1951	781165
A	On site	Unspecified Pit	1891	782751
B	On site	Unspecified Pit	1951	675850
B	On site	Railway Sidings	1951	705752
C	On site	Clay Pit	1951	678614
C	On site	Brick Works	1969 - 1992	787088
A	7m S	Unspecified Pit	1951	789433
1	11m SE	Clay Pit	1969 - 1992	783185
A	12m S	Unspecified Pit	1891	803814
2	20m SW	Unspecified Pit	1891	675849
D	183m NE	Unspecified Pit	1909	675844
D	186m NE	Unspecified Pump	1847	691486
3	334m NE	Unspecified Pit	1891	675848
E	336m N	Unspecified Pit	1969 - 1992	715310
E	338m N	Unspecified Pit	1909 - 1930	774530
E	341m N	Unspecified Ground Workings	1891	729612
E	341m N	Unspecified Ground Workings	1938	739698
E	348m N	Unspecified Pit	1951	799720
4	359m SW	Pipe	1847	700806
F	463m NE	Unspecified Heap	1930	688548
F	465m NE	Unspecified Ground Workings	1938	770806
F	465m NE	Unspecified Ground Workings	1909	778914
F	469m NE	Unspecified Pit	1951 - 1969	721902
F	472m NE	Unspecified Ground Workings	1978 - 1992	789647

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

0

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

1

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	On site	Electricity Substation	1993	48772

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical energy features

2.1 Historical industrial land uses

Records within 500m

37

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 19](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Pit	1938	742392
A	On site	Unspecified Pit	1891	782751
A	On site	Unspecified Pit	1951	781165



ID	Location	Land Use	Date	Group ID
A	On site	Old Clay Pit	1930	773849
A	On site	Refuse Heap	1847	656256
A	On site	Old Clay Pit	1909	773849
B	On site	Brick Works	1992	787088
B	On site	Brick Works	1969	787088
B	On site	Brick Works	1978	787088
B	On site	Clay Pit	1951	678614
C	On site	Railway Sidings	1951	705752
C	On site	Unspecified Pit	1951	675850
A	7m S	Unspecified Pit	1951	789433
D	11m SE	Clay Pit	1992	783185
D	11m SE	Clay Pit	1969	783185
D	11m SE	Clay Pit	1978	783185
A	12m S	Unspecified Pit	1891	803814
1	20m SW	Unspecified Pit	1891	675849
E	183m NE	Unspecified Pit	1909	675844
E	186m NE	Unspecified Pump	1847	691486
2	334m NE	Unspecified Pit	1891	675848
F	336m N	Unspecified Pit	1992	715310
F	336m N	Unspecified Pit	1969	715310
F	336m N	Unspecified Pit	1978	715310
F	338m N	Unspecified Pit	1909	774530
F	338m N	Unspecified Pit	1930	774530
F	341m N	Unspecified Ground Workings	1938	739698
F	341m N	Unspecified Ground Workings	1891	729612
F	348m N	Unspecified Pit	1951	799720
3	359m SW	Pipe	1847	700806
G	463m NE	Unspecified Heap	1930	688548



ID	Location	Land Use	Date	Group ID
G	465m NE	Unspecified Ground Workings	1938	770806
G	465m NE	Unspecified Ground Workings	1909	778914
G	469m NE	Unspecified Pit	1951	721902
G	472m NE	Unspecified Ground Workings	1992	789647
G	472m NE	Unspecified Pit	1969	721902
G	472m NE	Unspecified Ground Workings	1978	789647

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

0

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

1

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 19 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Electricity Substation	1993	48772

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.



This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

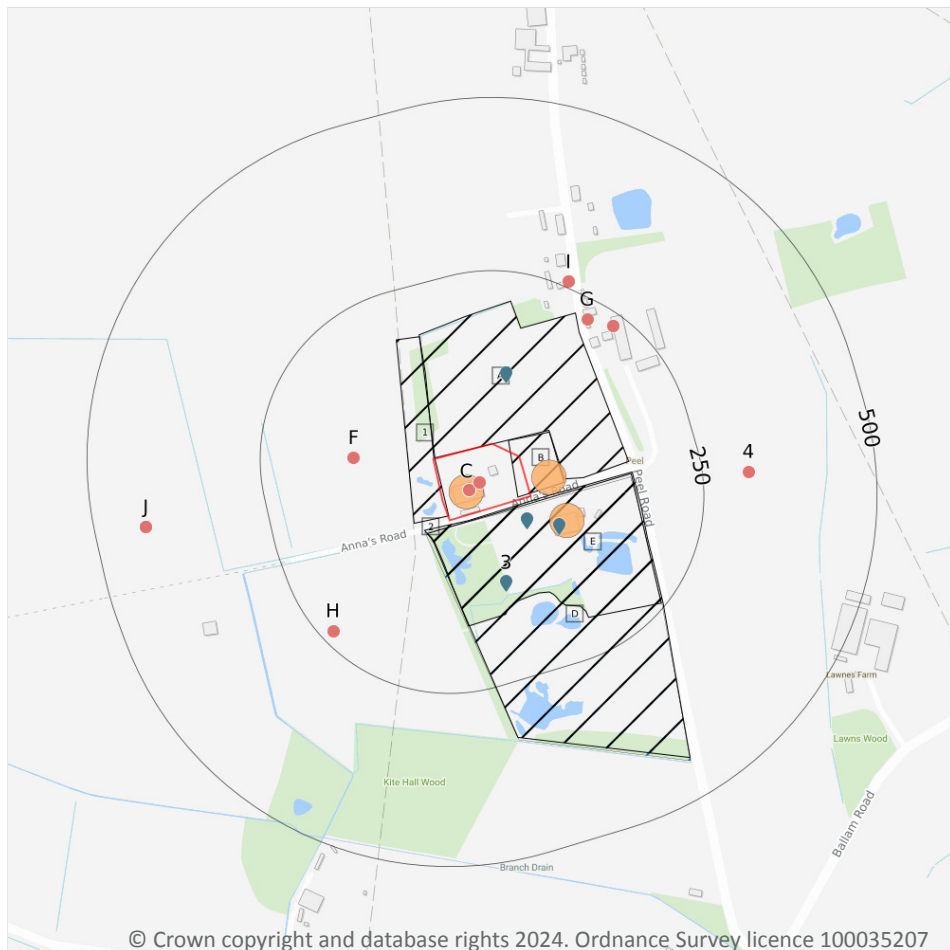
0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical landfill (EA/NRW)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

2

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 23](#) >

ID	Location	Details	
D	9m SW	Operator: Woods Waste Limited Site Address: Westby Landfill Site, Westby Landfill Site - Epr/jp3338st, Annas Road, Westby, Blackpool, Lancashire, FY4 5JY	WML Number: 0 EPR Reference: - Landfill type: Waste Landfilling; >10 T/D With Capacity >25,000T Excluding Inert Waste - 5.2 A(1) a) Status: Effective IPPC Reference: - EPR Number: EPR/JP3338ST



ID	Location	Details	
2	40m SW	Operator: Woods Waste Limited Site Address: Westby Landfill Site, Westby Landfill Site - Epr/jp3338st, Annas Road, Westby, Blackpool, Lancashire, FY4 5JY	WML Number: 0 EPR Reference: - Landfill type: Waste Landfilling; >10 T/D With Capacity >25,000T Excluding Inert Waste - 5.2 A(1) a) Status: Effective IPPC Reference: - EPR Number: EPR/JP3338ST

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0
----------------------------	----------

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0
----------------------------	----------

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	5
----------------------------	----------

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 23](#) >

ID	Location	Details		
1	On site	Site Address: Westby (South) L F S, Anna's Road, Blackpool, Westby, Lancashire Licence Holder Address: Anna's Road, Blackpool, Westby, Lancashire	Waste Licence: Yes Site Reference: - Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: NR1/L/WES003 Licence Issue: 17/09/1993 Licence Surrender: 20/03/2008	Operator: Woods Waste Ltd Licence Holder: Woods Waste Ltd First Recorded - Last Recorded: -
A	On site	Site Address: Westby Brick and Tile, Annas Road, Westby, St Annes, Lancashire Licence Holder Address: -	Waste Licence: Yes Site Reference: Licence No 302, K1/05/003, L1/05/373 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: NS1/L/WOO001 Licence Issue: 05/02/1990 Licence Surrender: -	Operator: Mr M Woods Licence Holder: Mr M Woods First Recorded 31/12/1990 Last Recorded: -
B	On site	Site Address: Westby (South) L F S, Anna's Road, Blackpool, Westby, Lancashire Licence Holder Address: Anna's Road, Blackpool, Westby, Lancashire	Waste Licence: Yes Site Reference: - Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: NR1/L/WES003 Licence Issue: 17/09/1993 Licence Surrender: 20/03/2008	Operator: Woods Waste Ltd Licence Holder: Woods Waste Ltd First Recorded - Last Recorded: -
D	6m SW	Site Address: Westby (South) L F S, Anna's Road, Blackpool, Westby, Lancashire Licence Holder Address: Anna's Road, Blackpool, Westby, Lancashire	Waste Licence: Yes Site Reference: - Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: NR1/L/WES003 Licence Issue: 17/09/1993 Licence Surrender: 20/03/2008	Operator: Woods Waste Ltd Licence Holder: Woods Waste Ltd First Recorded - Last Recorded: -
E	9m SW	Site Address: Westby Brick and Tile, Annas Road, Westby, St Annes, Lancashire Licence Holder Address: Westby, Lytham, St Annes	Waste Licence: Yes Site Reference: 172, WD100/147, K1/05/003, L1/05/147 Waste Type: Inert, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 15/12/1982 Licence Surrender: 01/05/1986	Operator: - Licence Holder: Westby Brick and Tile Company Limited First Recorded 31/12/1982 Last Recorded: 31/12/1986

This data is sourced from the Environment Agency and Natural Resources Wales.



3.5 Historical waste sites

Records within 500m

3

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on [page 23 >](#)

ID	Location	Address	Further Details	Date
C	On site	Site Address: Westby Landfill Site, BLACKPOOL, Lancashire, FY4 5JY	Type of Site: Waste Transfer Station (Cou) Planning application reference: 5/93/821 Description: Comprises cou to waste transfer station An application (ref: 5/93/821) for Detailed Planning permission was submitted to Fylde B.C. on 23rd December 1993. Data source: Historic Planning Application Data Type: Point	-
B	8m E	Site Address: Westby Landfill Site, BLACKPOOL, Lancashire, FY4 5JY	Type of Site: Storage/Waste Processing Planning application reference: 99/0027 Description: Scheme comprises the regularisation of the area to be used for the storage and processing of waste materials. Detailed plans were approved 29th June, 1999. The project will be carried out by the clients themselves. (22/05/2000) Data source: Historic Planning Application Data Type: Point	-
E	38m SE	Site Address: Westby Brickworks, Annas Road, Westby With Plumpton, Peel Road, BLACKPOOL, Lancashire, FY4 5JX	Type of Site: Recycling Plant Planning application reference: 09/0833 Description: Scheme comprises lancashire county council application for change of use of site and buildings from brick works to a glass recycling plant An application (ref: 09/0833) for detailed planning permission was granted by Fylde B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	22/05/2010

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m

5

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 23 >](#)



ID	Location	Details		
E	32m SE	Site Name: Westby (South) L F S Site Address: Anna's Road, Westby, Blackpool, Lancashire, FY4 5JY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 651716 EPR reference: EA/EPR/JP3391CT Operator: Woods Waste Limited Waste Management licence No: 54145 Annual Tonnage: 0	Issue Date: 17/09/1993 Effective Date: 17/09/1993 Modified: - Surrendered Date: 17/09/1993 Expiry Date: - Cancelled Date: - Status: Surrendered
E	32m SE	Site Name: Westby (South) L F S Site Address: Anna's Road, Westby, Blackpool, Lancashire, FY4 5JY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WES003 EPR reference: EA/EPR/JP3391CT/S002 Operator: Woods Waste Ltd Waste Management licence No: 54145 Annual Tonnage: 0	Issue Date: 17/09/1993 Effective Date: - Modified: - Surrendered Date: Mar 20 2008 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
E	60m SE	Site Name: Westby Transfer Station Site Address: Westby Transfer Station, Annas Road, Peel, Blackpool, Lancashire, FY4 5JX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 648790 EPR reference: EA/EPR/QP3691CJ Operator: Woods Waste Limited Waste Management licence No: 54163 Annual Tonnage: 300000	Issue Date: 03/05/1994 Effective Date: 03/05/1994 Modified: 03/05/1994 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
A	101m N	Site Name: Westby (North) L F S Site Address: Westby Landfill Site, Annas Road, Westby, Blackpool, Lancashire, FY4 5JY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 658412 EPR reference: EA/EPR/FP3691CF Operator: Mr M Woods Waste Management licence No: 54035 Annual Tonnage: 74999	Issue Date: 05/02/1990 Effective Date: 05/02/1990 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
3	110m S	Site Name: Westby Transfer Station Site Address: Westby Transfer Station, Annas Road, Peel, Blackpool, Lancashire, FY4 5JX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WES001 EPR reference: EA/EPR/QP3691CJ/V002 Operator: Woods Waste Ltd Waste Management licence No: 54163 Annual Tonnage: 300000	Issue Date: 03/05/1994 Effective Date: - Modified: 27/06/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	28
----------------------------	-----------

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 23 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
C	On site	The Old Brickworks, Peel Road, Blackpool, Fy4 5jx	WEX355305	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	On site	The Old Brickworks, Peel Road, Blackpool, Fy4 5jx	WEX355305	Storing waste exemption	Not on a farm	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
C	On site	The Old Brickworks, Peel Road, Blackpool, Fy4 5jx	WEX355305	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	On site	The Old Brickworks, Peel Road, Blackpool, Fy4 5jx	WEX229411	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	On site	The Old Brickworks, Peel Road, Blackpool, Fy4 5jx	WEX229411	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	On site	The Old Brickworks, Peel Road, Blackpool, Fy4 5jx	WEX229411	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	On site	The Old Brickworks Peel Road Blackpool Lancashire Fy4 5jx	EPR/JF0433EC /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
C	On site	The Old Brickworks Peel Road Blackpool Lancashire Fy4 5jx	EPR/JF0433EC /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
C	On site	The Old Brickworks Peel Road Blackpool Lancashire Fy4 5jx	EPR/JF0433EC /A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
F	115m W	Bensons Farm (Land At Anna's Road) Blackpool Fy4 5ll	EPR/NE5481D R/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
F	115m W	Bensons Farm (Land At Anna's Road) Peel Fy4 5ll	EPR/NE5041G H/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
G	220m NE	Lowlands Farm, Peel Road, Westby-With-Plumpton, Fy45jx	WEX124546	Using waste exemption	On a farm	Use of waste in construction
G	231m NE	Green Future Recycling Ltd, The Old Brickworks, Annas Road, Blackpool, Fy4 5jx	WEX082244	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	231m NE	Green Future Recycling Ltd, The Old Brickworks, Annas Road, Blackpool, Fy4 5jx	WEX082244	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	231m NE	Green Future Recycling Ltd, The Old Brickworks, Annas Road, Blackpool, Fy4 5jx	WEX082244	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
H	233m SW	Sollom House Farm Preston Fy8 4nq	EPR/WE5882C Z/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
H	233m SW	Sollom House Farm Pr5 Ouy	EPR/AE5547GR/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
I	258m NE	Lowlands Fatm, Peel Road, Blackpool, Fy45jx	WEX356851	Using waste exemption	On a farm	Use of waste in construction
I	258m NE	Lowlands Farm, Peel Road, Westby-With-Plumptions, Fy4 5jx	WEX394728	Using waste exemption	On a farm	Use of waste in construction
I	258m NE	Lowlands Fatm, Peel Road, Blackpool, Fy45jx	WEX230686	Using waste exemption	On a farm	Use of waste in construction
I	258m NE	-	WEX267022	Using waste exemption	On a farm	Use of waste in construction
4	316m E	Dawson House, Liverpool Road, Great Sankey, Warrington, Wa5 3lw	WEX094162	Storing waste exemption	On a farm	Storage of sludge
J	427m W	-	WEX197759	Storing waste exemption	On a farm	Storage of sludge
J	427m W	-	WEX156033	Storing waste exemption	On a farm	Storage of sludge
J	427m W	Bensons Farm (Land Ar Anna's Road) Blackpool Fy4 5ll	EPR/EE5881DA/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
J	427m W	Bensons Farm (Land At Anna's Road) Peel Fy4 5ll	EPR/ZE5241GS/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
J	427m W	-	WEX256377	Storing waste exemption	On a farm	Storage of sludge
J	427m W	-	WEX100765	Storing waste exemption	On a farm	Storage of sludge

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Hazardous substance storage/usage
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory substances

4.1 Recent industrial land uses

Records within 250m

5

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 31](#) >

ID	Location	Company	Address	Activity	Category
A	On site	Electricity Sub Station	Lancashire, FY4	Electrical Features	Infrastructure and Facilities
B	67m SW	Pylon	Lancashire, FY4	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
E	217m NE	Peel Hall Business Park	Lancashire, FY4	Business Parks and Industrial Estates	Industrial Features
E	232m NE	Auto Mirage Ltd	Units 7b and 7c Auto Mirage Ltd Peel Hall Business Park, Peel Road, Westby-with-Plumpton, Lancashire, FY4 5JX	Vehicle Repair, Testing and Servicing	Repair and Servicing
8	236m NE	Tank	Lancashire, FY4	Tanks (Generic)	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
----------------------------	----------

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
----------------------------	----------

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
----------------------------	----------

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
----------------------------	----------

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m**1**

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Details	
3	69m SE	Application reference number: No Details Application status: Approved Application date: No Details Address: Reliance Energy Ltd, Land at Anna's Road, Higher Ballam, Blackpool, FY4 5JX	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m**0**

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.10 Licensed industrial activities (Part A(1))

Records within 500m

9

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 31](#) >

ID	Location	Details	
C	84m E	Operator: WOODS WASTE LIMITED Installation Name: Westby Landfill Site - EPR/JP3338ST Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: JP3338ST Original Permit Number: JP3338ST	EPR Reference: EPR/JP3338ST Issue Date: 12/07/2017 Effective Date: 12/07/2017 Last date noted as effective: 25/06/2024 Status: Effective
C	84m E	Operator: WOODS WASTE LIMITED Installation Name: Westby Landfill Site - EPR/JP3338ST Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: JP3338ST Original Permit Number: JP3338ST	EPR Reference: EPR/JP3338ST Issue Date: 12/07/2017 Effective Date: 12/07/2017 Last date noted as effective: 25/06/2024 Status: Effective
C	84m E	Operator: WOODS WASTE LIMITED Installation Name: WESTBY LANDFILL SITE Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: LP3436AE Original Permit Number: JP3338ST	EPR Reference: - Issue Date: 12/06/2015 Effective Date: 12/06/2015 Last date noted as effective: 01/07/2016 Status: EFFECTIVE
C	84m E	Operator: Woods Waste Limited Installation Name: Westby Landfill Site - EPR/JP3338ST Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: DP3731DX Original Permit Number: JP3338ST	EPR Reference: - Issue Date: 12/07/2017 Effective Date: 12/07/2017 Last date noted as effective: 21/03/2023 Status: Effective
C	84m E	Operator: Woods Waste Limited Installation Name: Westby Landfill Site Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: ZP3036EB Original Permit Number: JP3338ST	EPR Reference: - Issue Date: 17/06/2014 Effective Date: 17/06/2014 Last date noted as effective: 21/03/2023 Status: Superseded
C	84m E	Operator: Woods Waste Limited Installation Name: Westby Landfill Site - EPR/JP3338ST Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: DP3731DX Original Permit Number: JP3338ST	EPR Reference: - Issue Date: 12/07/2017 Effective Date: 12/07/2017 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
C	84m E	Operator: Woods Waste Limited Installation Name: Westby Landfill Site Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: JP3338ST Original Permit Number: JP3338ST	EPR Reference: - Issue Date: 10/04/2006 Effective Date: 10/04/2006 Last date noted as effective: 21/03/2023 Status: Superseded
C	84m E	Operator: Woods Waste Limited Installation Name: Westby Landfill Site Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: LP3436AE Original Permit Number: JP3338ST	EPR Reference: - Issue Date: 12/06/2015 Effective Date: 12/06/2015 Last date noted as effective: 21/03/2023 Status: Superseded
C	84m E	Operator: Woods Waste Limited Installation Name: Westby Landfill Site Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: LP3436AE Original Permit Number: JP3338ST	EPR Reference: - Issue Date: 12/06/2015 Effective Date: 12/06/2015 Last date noted as effective: 21/03/2023 Status: Superseded

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	1
----------------------------	----------

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Address	Details	
A	On site	P D Edenhall, Westby Brick Co., Annas Road, Peel, Blackpool, FY4 2EE	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
----------------------------	----------

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.13 Licensed Discharges to controlled waters

Records within 500m**2**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 31](#) >

ID	Location	Address	Details	
9	324m S	WESTBY LANDFILL, ANNA'S ROAD, WESTBY, BLACKPOOL, LANCASHIRE	Effluent Type: WASTE SITE - DOMESTIC & INDUSTRIAL LANDFILL Permit Number: 017190583 Permit Version: 1 Receiving Water: TRIB BRANCH DRAIN	Status: REVOKED - UNSPECIFIED Issue date: 03/02/1998 Effective Date: 03/02/1998 Revocation Date: 10/04/2006
11	437m NE	PEEL HALL BUSINESS PARK, PEEL ROAD, BLACKPOOL, LANCASHIRE, FY4 5JX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRXB3896WF Permit Version: 1 Receiving Water: TRIBUTARY OF THE RIVER RIBBLE	Status: NEW ISSUED UNDER EPR 2010 Issue date: 25/01/2023 Effective Date: 25/01/2023 Revocation Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m

37

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Details	
1	On site	Incident Date: 13/05/2002 Incident Identification: 78382 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	5m SW	Incident Date: 26/08/2003 Incident Identification: 185000 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	41m S	Incident Date: 23/08/2001 Incident Identification: 26380 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	51m SW	Incident Date: 23/07/2001 Incident Identification: 18180 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
2	55m NE	Incident Date: 24/01/2003 Incident Identification: 133098 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
4	83m NE	Incident Date: 21/01/2003 Incident Identification: 132635 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	100m SW	Incident Date: 03/11/2001 Incident Identification: 40977 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	101m SW	Incident Date: 24/10/2001 Incident Identification: 38829 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	107m SW	Incident Date: 07/02/2002 Incident Identification: 56986 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	112m E	Incident Date: 11/04/2003 Incident Identification: 150335 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	126m E	Incident Date: 21/02/2002 Incident Identification: 60844 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	142m E	Incident Date: 28/04/2003 Incident Identification: 154648 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	144m E	Incident Date: 07/03/2003 Incident Identification: 141623 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	148m NE	Incident Date: 03/02/2003 Incident Identification: 134634 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
5	150m SW	Incident Date: 21/11/2001 Incident Identification: 51398 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
6	159m SW	Incident Date: 22/07/2003 Incident Identification: 175620 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	164m E	Incident Date: 14/04/2003 Incident Identification: 151014 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	164m E	Incident Date: 14/04/2003 Incident Identification: 151014 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
7	207m W	Incident Date: 09/06/2003 Incident Identification: 164247 Pollutant: Inert Materials and Wastes:General Biodegradable Materials and Wastes:Specific Waste Materials:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Other General Biodegradable Material or Waste:Household Waste:Other Specific Waste Material	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	255m NE	Incident Date: 05/09/2003 Incident Identification: 187893 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
F	258m NE	Incident Date: 30/07/2003 Incident Identification: 177756 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	258m NE	Incident Date: 17/08/2003 Incident Identification: 182846 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
F	258m NE	Incident Date: 24/01/2003 Incident Identification: 133072 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
F	258m NE	Incident Date: 12/08/2003 Incident Identification: 181627 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
F	274m N	Incident Date: 24/07/2003 Incident Identification: 176482 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	283m NE	Incident Date: 18/06/2010 Incident Identification: 791519 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
G	283m NE	Incident Date: 18/06/2010 Incident Identification: 791519 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
G	283m NE	Incident Date: 18/06/2010 Incident Identification: 791519 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
F	289m NE	Incident Date: 06/11/2002 Incident Identification: 125366 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	289m NE	Incident Date: 06/11/2002 Incident Identification: 125366 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	289m NE	Incident Date: 06/11/2002 Incident Identification: 125366 Pollutant: Inert Materials and Wastes:General Biodegradable Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Other General Biodegradable Material or Waste:Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	289m NE	Incident Date: 06/11/2002 Incident Identification: 125366 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
H	311m SW	Incident Date: 06/10/2005 Incident Identification: 351641 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	317m W	Incident Date: 18/04/2001 Incident Identification: 2632 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
H	328m W	Incident Date: 17/01/2006 Incident Identification: 371393 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
H	372m W	Incident Date: 17/05/2001 Incident Identification: 5827 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
10	396m N	Incident Date: 14/03/2001 Incident Identification: 326 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	1
----------------------------	----------

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID: C, Location: 84m E, Permit: JP3338ST
 Operator: Woods Waste Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Westby Landfill Site Annas Road Lancashire FY4 5JY
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Toxaphene	1kg	Below Reporting Threshold
Air	Particulate matter - PM2.5	1000kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs)	0.1kg	Below Reporting Threshold
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold
Air	Asbestos	1kg	Below Reporting Threshold
Controlled Waters	Indeno(1,2,3-cd)pyrene	1kg	Below Reporting Threshold
Wastewater	Indeno(1,2,3-cd)pyrene	1kg	Below Reporting Threshold
Controlled Waters	Trifluralin	0.001kg	Below Reporting Threshold
Wastewater	Dichloromethane (DCM) (Methylene chloride)	10kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Benzo(b)fluoranthene	1kg	Below Reporting Threshold
Wastewater	Chlorpyrifos	0.1kg	Below Reporting Threshold
Controlled Waters	Chlorpyrifos	0.1kg	Below Reporting Threshold
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	Below Reporting Threshold
Air	Fluorine and inorganic fluorine compounds - as HF	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Ethyl benzene	10kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold
Air	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Air	Dieldrin	1kg	Below Reporting Threshold
Air	Chlordane	1kg	Below Reporting Threshold
Air	Chlordecone	1kg	Below Reporting Threshold
Air	Endrin	1kg	Below Reporting Threshold
Air	Hexachlorobenzene (HCB)	1kg	Below Reporting Threshold
Air	Hexachlorocyclohexane (HCH) -all isomers	1kg	Below Reporting Threshold
Air	Pentachlorophenol (PCP)	1kg	Below Reporting Threshold
Controlled Waters	Hexachlorocyclohexane (HCH) -all isomers	0.01kg	Below Reporting Threshold
Controlled Waters	Hexachlorobutadiene	0.1kg	Below Reporting Threshold
Controlled Waters	Aldrin	0.0005kg	Below Reporting Threshold
Controlled Waters	Atrazine	0.05kg	Below Reporting Threshold
Controlled Waters	Dichlorodiphenyltrichloroethane (DDT)	0.0005kg	Below Reporting Threshold
Controlled Waters	Dichlorvos	0.0005kg	Below Reporting Threshold
Controlled Waters	Dieldrin	0.0005kg	Below Reporting Threshold
Controlled Waters	Endosulfan	0.0005kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Endrin	0.0005kg	Below Reporting Threshold
Controlled Waters	Naphthalene	1kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Di(2-ethylhexyl)phthalate (DEHP)	10kg	Below Reporting Threshold
Air	Ethylene oxide (1,2 Epoxyethane)	1000kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	Below Reporting Threshold
Air	Chlorofluorocarbons (CFCs)	1kg	Below Reporting Threshold
Air	Halons	1kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Aldrin	1kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Chloroform (Trichloromethane)	100kg	Below Reporting Threshold
Air	Dichlorodiphenyltrichloroethane (DDT)	1kg	Below Reporting Threshold
Wastewater	Endosulfan	0.0005kg	Below Reporting Threshold
Wastewater	Endrin	0.0005kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Naphthalene	1kg	Below Reporting Threshold
Wastewater	Pentachlorophenol (PCP)	0.05kg	Below Reporting Threshold
Wastewater	Simazine	0.01kg	Below Reporting Threshold
Wastewater	Tributyltin and compounds - as TBT	0.005kg	Below Reporting Threshold
Wastewater	Trifluralin	0.001kg	Below Reporting Threshold
Wastewater	Benzene	10kg	Below Reporting Threshold
Wastewater	Carbon tetrachloride (Tetrachloromethane)	1kg	Below Reporting Threshold
Wastewater	Chloroform (Trichloromethane)	5kg	Below Reporting Threshold
Wastewater	Ethylene dichloride (1,2-Dichloroethane)	10kg	Below Reporting Threshold
Wastewater	Toluene	10kg	Below Reporting Threshold
Wastewater	Trichlorobenzene - all isomers	0.01kg	Below Reporting Threshold
Wastewater	Xylene - all isomers	10kg	Below Reporting Threshold
Controlled Waters	Brominated diphenylethers - penta-, octa- and deca-BDE	0.1kg	Below Reporting Threshold
Controlled Waters	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Controlled Waters	Cyanides - as CN	50kg	Below Reporting Threshold
Controlled Waters	Fluorides - as F	2000kg	Below Reporting Threshold
Controlled Waters	Halogenated organic compounds - as AOX	1000kg	Below Reporting Threshold
Controlled Waters	Nitrogen - as total N	50000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Organotin compounds - as Sn	5kg	Below Reporting Threshold
Controlled Waters	Phenols - total as C	20kg	Below Reporting Threshold
Controlled Waters	Phosphorus - as total P	5000kg	Below Reporting Threshold
Controlled Waters	Short chain (C10-13) chlorinated paraffins (SCCPs)	0.1kg	Below Reporting Threshold
Controlled Waters	Total organic carbon (TOC)	50000kg	Below Reporting Threshold
Air	Heptachlor	1kg	Below Reporting Threshold
Air	Hexabromobiphenyl	0.1kg	Below Reporting Threshold
Air	Indeno(1,2,3-cd)pyrene	1kg	Below Reporting Threshold
Air	Lindane	1kg	Below Reporting Threshold
Air	Mirex	1kg	Below Reporting Threshold
Air	Naphthalene	100kg	Below Reporting Threshold
Air	Pentachlorobenzene	1kg	Below Reporting Threshold
Controlled Waters	Lead	20kg	Below Reporting Threshold
Controlled Waters	Nickel	20kg	Below Reporting Threshold
Controlled Waters	Zinc	100kg	Below Reporting Threshold
Controlled Waters	Asbestos	0.1kg	Below Reporting Threshold
Controlled Waters	Alachlor	0.1kg	Below Reporting Threshold
Controlled Waters	Anthracene	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(g,h,i)perylene	0.1kg	Below Reporting Threshold
Controlled Waters	Chlordane	0.1kg	Below Reporting Threshold
Controlled Waters	Chlordecone	0.1kg	Below Reporting Threshold
Controlled Waters	Chlorfenvinphos	0.1kg	Below Reporting Threshold
Controlled Waters	Ethylene oxide (1,2 Epoxyethane)	1kg	Below Reporting Threshold
Controlled Waters	Fluoranthene	0.1kg	Below Reporting Threshold
Controlled Waters	Heptachlor	0.1kg	Below Reporting Threshold
Controlled Waters	Hexabromobiphenyl	0.1kg	Below Reporting Threshold
Controlled Waters	Isodrin	0.0005kg	Below Reporting Threshold
Controlled Waters	Lindane	0.1kg	Below Reporting Threshold
Controlled Waters	Mirex	0.1kg	Below Reporting Threshold
Controlled Waters	Pentachlorobenzene	0.1kg	Below Reporting Threshold
Controlled Waters	Perfluoro octanyl sulphate (PFOS)	0.1kg	Below Reporting Threshold
Controlled Waters	Tetrachloroethylene (PER)	1kg	Below Reporting Threshold
Controlled Waters	Toxaphene	0.1kg	Below Reporting Threshold
Controlled Waters	Trichloroethylene	1kg	Below Reporting Threshold
Air	Hydrogen cyanide	100kg	Below Reporting Threshold
Controlled Waters	Benzo(a)pyrene	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(b)fluoranthene	1kg	Below Reporting Threshold
Controlled Waters	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Controlled Waters	Nonylphenols and nonylphenol ethoxylates	1kg	Below Reporting Threshold
Controlled Waters	Octylphenols and octylphenol ethoxylates	1kg	Below Reporting Threshold
Controlled Waters	Polychlorinated biphenyls (PCBs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Wastewater	Benzo(a)pyrene	1kg	Below Reporting Threshold
Wastewater	Benzo(b)fluoranthene	1kg	Below Reporting Threshold
Wastewater	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Wastewater	Nonylphenols and nonylphenol ethoxylates	1kg	Below Reporting Threshold
Wastewater	Octylphenols and octylphenol ethoxylates	1kg	Below Reporting Threshold
Wastewater	Polychlorinated biphenyls (PCBs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Controlled Waters	Copper	20kg	Below Reporting Threshold
Air	Trichlorobenzene - all isomers	1kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Cypermethrin	0.005kg	Below Reporting Threshold
Wastewater	Diuron	0.05kg	Below Reporting Threshold
Wastewater	Di(2-ethylhexyl)phthalate (DEHP)	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Hexabromocyclododecane	0.1kg	Below Reporting Threshold
Wastewater	Isoproturon	0.01kg	Below Reporting Threshold
Controlled Waters	Pentachlorophenol (PCP)	0.05kg	Below Reporting Threshold
Controlled Waters	Simazine	0.01kg	Below Reporting Threshold
Controlled Waters	Vinyl chloride	1kg	Below Reporting Threshold
Controlled Waters	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	0.0001kg	Below Reporting Threshold
Controlled Waters	Tributyltin and compounds - as TBT	0.005kg	Below Reporting Threshold
Controlled Waters	Benzene	10kg	Below Reporting Threshold
Controlled Waters	Carbon tetrachloride (Tetrachloromethane)	1kg	Below Reporting Threshold
Controlled Waters	Chloroform (Trichloromethane)	5kg	Below Reporting Threshold
Controlled Waters	Ethylene dichloride (1,2-Dichloroethane)	10kg	Below Reporting Threshold
Controlled Waters	Toluene	10kg	Below Reporting Threshold
Controlled Waters	Trichlorobenzene - all isomers	0.01kg	Below Reporting Threshold
Controlled Waters	Xylene - all isomers	10kg	Below Reporting Threshold
Controlled Waters	Hexachlorobenzene (HCB)	0.01kg	Below Reporting Threshold
Controlled Waters	Polychlorinated biphenyls (PCBs)	0.001kg	Below Reporting Threshold
Controlled Waters	Arsenic	5kg	Below Reporting Threshold
Controlled Waters	Cadmium	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Brominated diphenylethers - penta-, octa- and deca-BDE	0.1kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Wastewater	Fluorides - as F	2000kg	Below Reporting Threshold
Wastewater	Halogenated organic compounds - as AOX	1000kg	Below Reporting Threshold
Wastewater	Nitrogen - as total N	50000kg	Below Reporting Threshold
Wastewater	Organotin compounds - as Sn	5kg	Below Reporting Threshold
Wastewater	Phenols - total as C	20kg	Below Reporting Threshold
Wastewater	Phosphorus - as total P	5000kg	Below Reporting Threshold
Wastewater	Polychlorinated biphenyls (PCBs)	0.001kg	Below Reporting Threshold
Wastewater	Short chain (C10-13) chlorinated paraffins (SCCPs)	0.1kg	Below Reporting Threshold
Wastewater	Total organic carbon (TOC)	50000kg	Below Reporting Threshold
Controlled Waters	Cypermethrin	0.005kg	Below Reporting Threshold
Controlled Waters	Diuron	0.05kg	Below Reporting Threshold
Controlled Waters	Ethyl benzene	10kg	Below Reporting Threshold
Controlled Waters	Hexabromocyclododecane	0.1kg	Below Reporting Threshold
Controlled Waters	Isoproturon	0.01kg	Below Reporting Threshold
Controlled Waters	Dichloromethane (DCM) (Methylene chloride)	10kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Controlled Waters	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Controlled Waters	Triphenyltin and compounds - as TPT	0.1kg	Below Reporting Threshold
Controlled Waters	Di(2-ethylhexyl)phthalate (DEHP)	0.1kg	Below Reporting Threshold
Wastewater	Asbestos	0.1kg	Below Reporting Threshold
Wastewater	Alachlor	0.1kg	Below Reporting Threshold
Wastewater	Anthracene	0.1kg	Below Reporting Threshold
Wastewater	Benzo(g,h,i)perylene	0.1kg	Below Reporting Threshold
Wastewater	Chlordane	0.1kg	Below Reporting Threshold
Wastewater	Chlordecone	0.1kg	Below Reporting Threshold
Wastewater	Chlorfenvinphos	0.1kg	Below Reporting Threshold
Wastewater	Ethylene oxide (1,2 Epoxyethane)	1kg	Below Reporting Threshold
Wastewater	Fluoranthene	0.1kg	Below Reporting Threshold
Wastewater	Heptachlor	0.1kg	Below Reporting Threshold
Wastewater	Hexabromobiphenyl	0.1kg	Below Reporting Threshold
Wastewater	Isodrin	0.0005kg	Below Reporting Threshold
Wastewater	Lindane	0.1kg	Below Reporting Threshold
Wastewater	Mirex	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Pentachlorobenzene	0.1kg	Below Reporting Threshold
Wastewater	Perfluoro octanyl sulphate (PFOS)	0.1kg	Below Reporting Threshold
Wastewater	Tetrachloroethylene (PER)	1kg	Below Reporting Threshold
Wastewater	Toxaphene	0.1kg	Below Reporting Threshold
Wastewater	Trichloroethylene	1kg	Below Reporting Threshold
Wastewater	Vinyl chloride	1kg	Below Reporting Threshold
Wastewater	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	0.0001kg	Below Reporting Threshold
Wastewater	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Wastewater	Triphenyltin and compounds - as TPT	0.1kg	Below Reporting Threshold
Wastewater	Hexachlorocyclohexane (HCH) -all isomers	0.01kg	Below Reporting Threshold
Wastewater	Hexachlorobutadiene	0.1kg	Below Reporting Threshold
Wastewater	Aldrin	0.0005kg	Below Reporting Threshold
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Methane	10000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Sulphur hexafluoride	10kg	Below Reporting Threshold
Air	Tetrachloroethane (1,1,2,2-Tetrachloroethane)	10kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Perfluorocarbons (PFCs)	10kg	Below Reporting Threshold
Air	Anthracene	10kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Butadiene (1,3-Butadiene)	100kg	Below Reporting Threshold
Air	Trichloroethylene	1000kg	Below Reporting Threshold
Air	Arsenic	1kg	Below Reporting Threshold
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold
Air	Methyl chloroform (1,1,1-Trichloroethane)	10kg	Below Reporting Threshold
Air	Cadmium	1kg	Below Reporting Threshold
Air	Copper	10kg	Below Reporting Threshold
Air	Lead	100kg	Below Reporting Threshold
Air	Nickel	10kg	Below Reporting Threshold
Air	Selenium	100kg	Below Reporting Threshold
Air	Zinc	100kg	Below Reporting Threshold
Wastewater	Atrazine	0.05kg	Below Reporting Threshold
Wastewater	Dichlorodiphenyltrichloroethane (DDT)	0.0005kg	Below Reporting Threshold
Wastewater	Dichlorvos	0.0005kg	Below Reporting Threshold
Wastewater	Dieldrin	0.0005kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Vinyl chloride	1000kg	Below Reporting Threshold
Wastewater	Hexachlorobenzene (HCB)	0.01kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Controlled Waters	Chromium	20kg	Below Reporting Threshold
Air	Chromium	10kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Controlled Waters	Mercury	0.1kg	Below Reporting Threshold
Air	Mercury	1kg	Below Reporting Threshold

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



4.21 Pollution inventory radioactive waste

Records within 500m

0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 56 >](#)

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	118m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow



ID	Location	Designation	Description
3	249m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

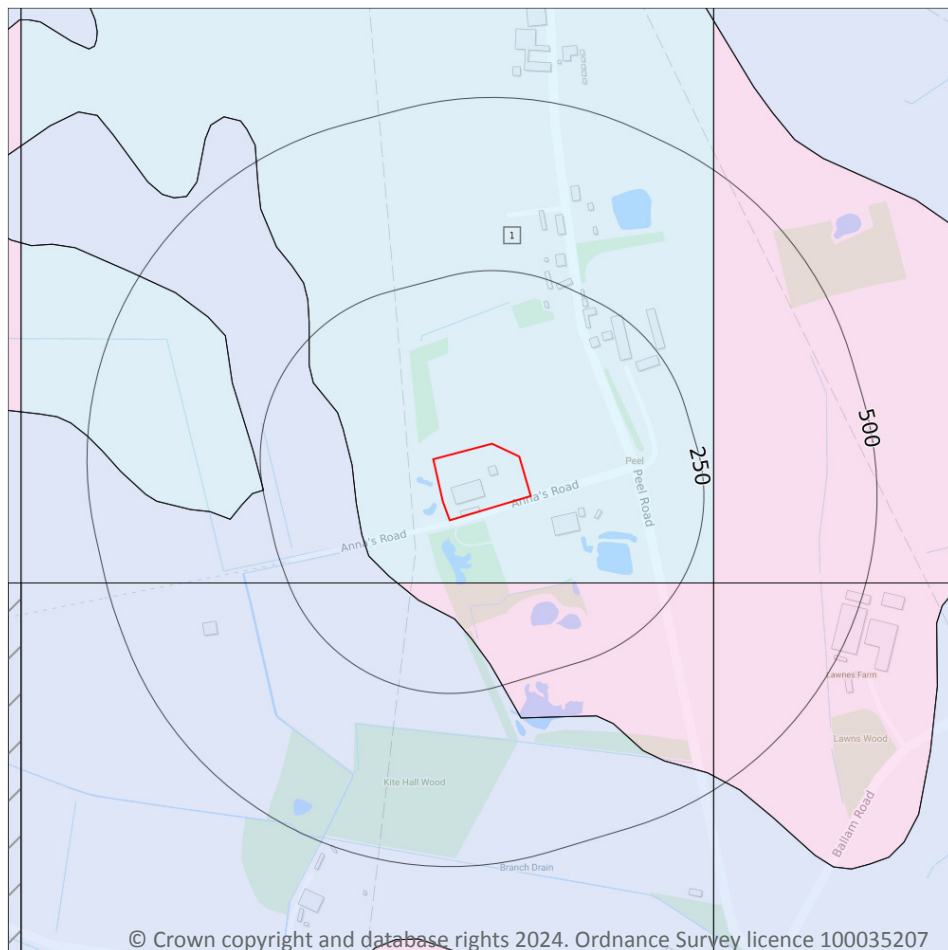
Features are displayed on the Bedrock aquifer map on [page 58](#) >

ID	Location	Designation	Description
1	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 59](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
------------------------	----------

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Point features
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

0

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m

1

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 61](#) >

ID	Location	Details	
-	1557m S	Status: Historical Licence No: 2671353013 Details: Spray Irrigation - Storage Direct Source: Surface, Non-Tidal - North West Region Point: LIGGARD BROOK WEETON PRESTON Data Type: Point Name: BRADLEY Easting: 335240 Northing: 429580	Annual Volume (m ³): 191000 Max Daily Volume (m ³): 6048 Original Application No: - Original Start Date: 14/07/2008 Expiry Date: 31/03/2014 Issue No: 1 Version Start Date: 14/07/2008 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.



This data is sourced from the Environment Agency and Natural Resources Wales.



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

7

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 64 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
D	118m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
E	126m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	159m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
H	161m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	163m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	169m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	228m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

15

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 64](#) >

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 64](#) >



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Main Drain (Ribble)	GB112071065651	Savick Brook and Fylde South Drains	Ribble

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 64 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1100m NE	River	Main Drain (Ribble)	GB112071065651 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 64 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	West Lancashire Quaternary Sand and Gravel Aquifers	GB41202G912700 ↗	Good	Good	Good	2019

This data is sourced from the Environment Agency and Natural Resources Wales.



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m

0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

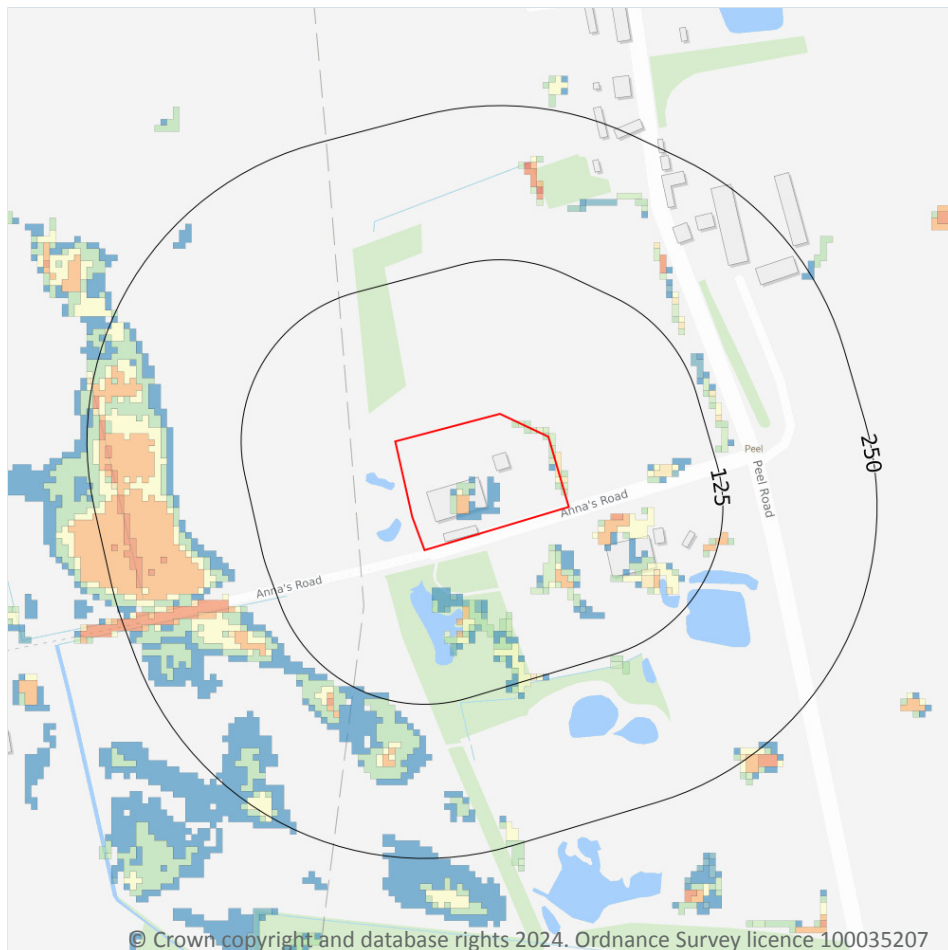
0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 70 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.



The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

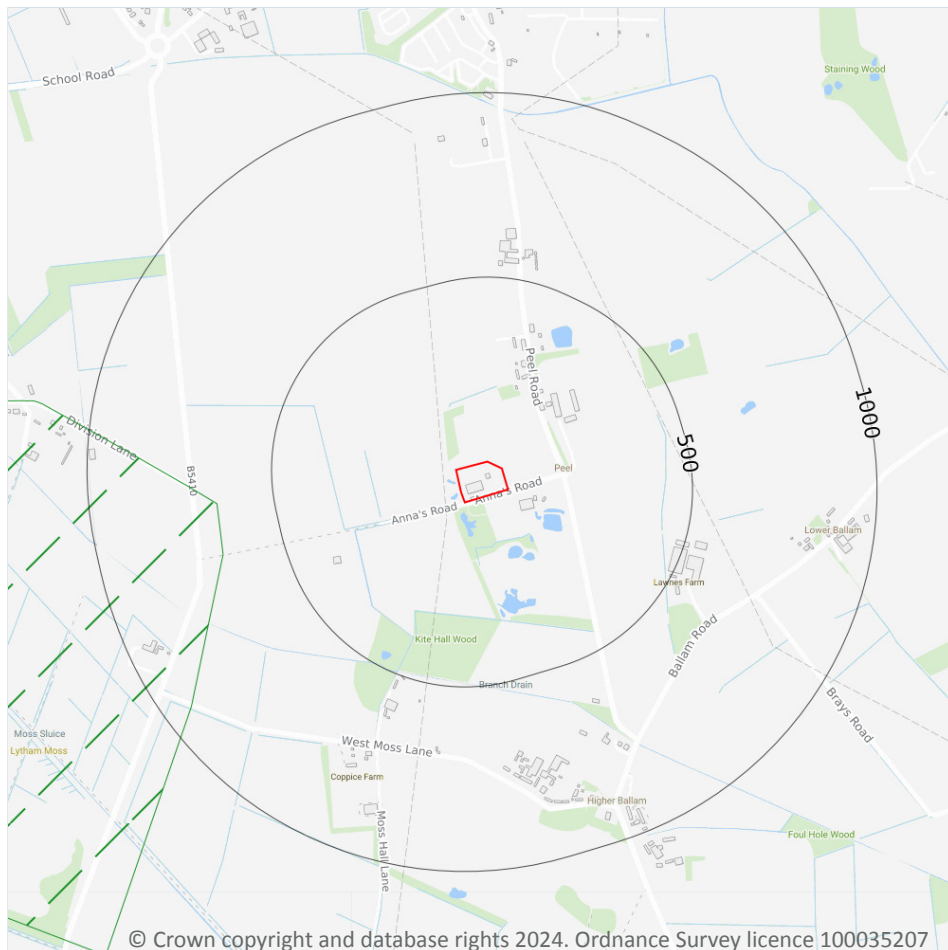
Low

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 72 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

1

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on [page 73 >](#)

ID	Location	Name	Local Authority name
1	654m W	Blackpool	Fylde

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

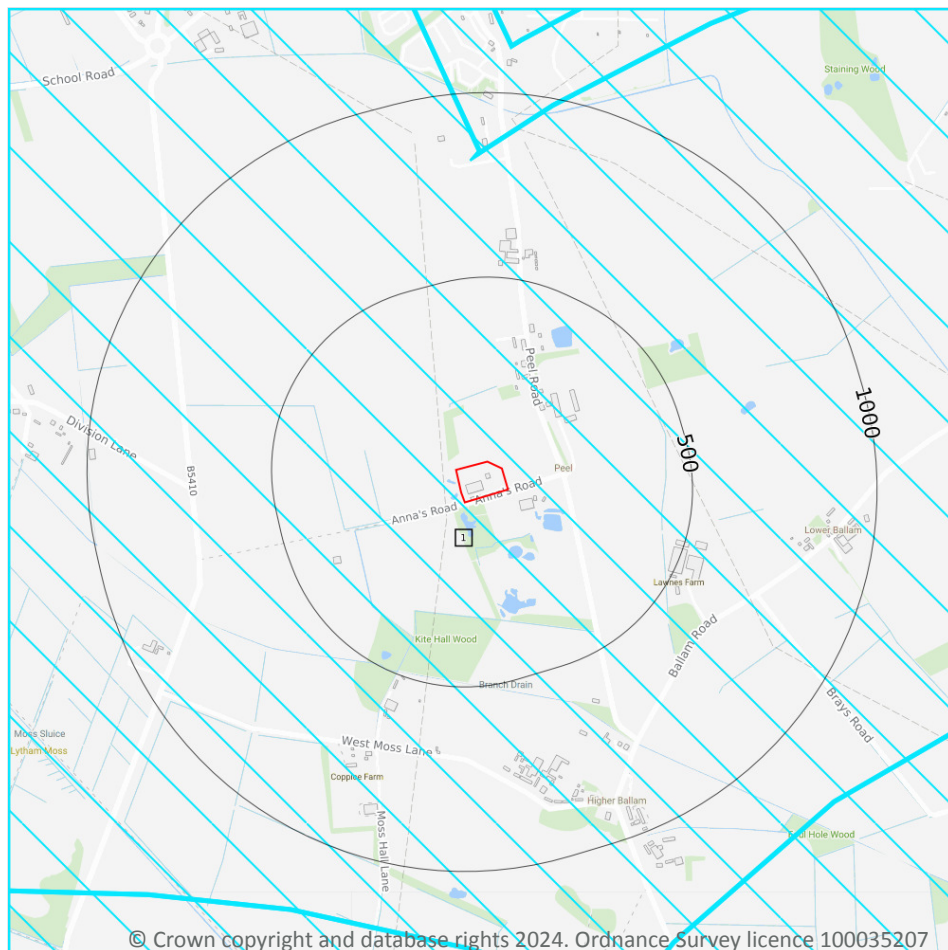
0

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 78](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t).</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: New residential developments in this area should consider recreational disturbance impacts on the coastal designated sites. Please consider this issue in the HRA screening.</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
----------------------	---

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 82](#) >



ID	Location	Classification	Description
1	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

1

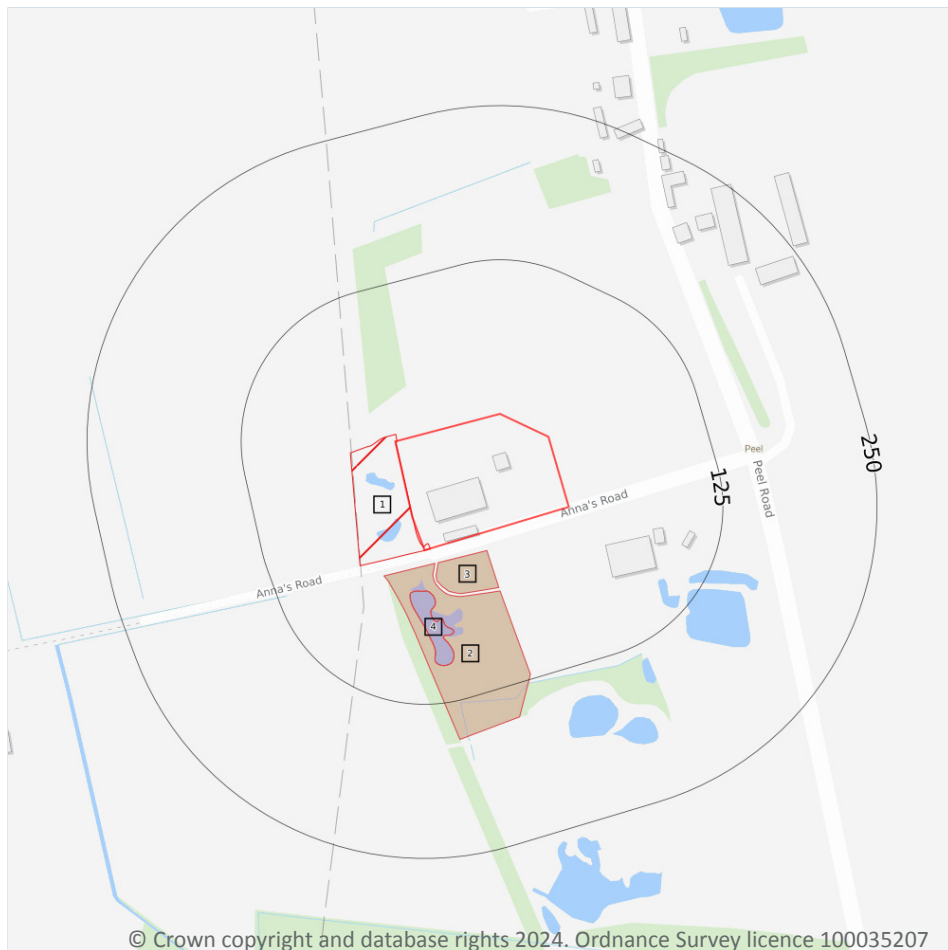
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
175m NW	1063942	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

3

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 85](#) >

ID	Location	Main Habitat	Other habitats
2	12m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	13m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	33m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.



13.2 Habitat Networks

Records within 250m

0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

1

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on [page 85 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	On site	BRITPITS ref: 92981; HLD_refs: EAHLD0755 1	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	Environment Agency Historic Landfill Sites

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

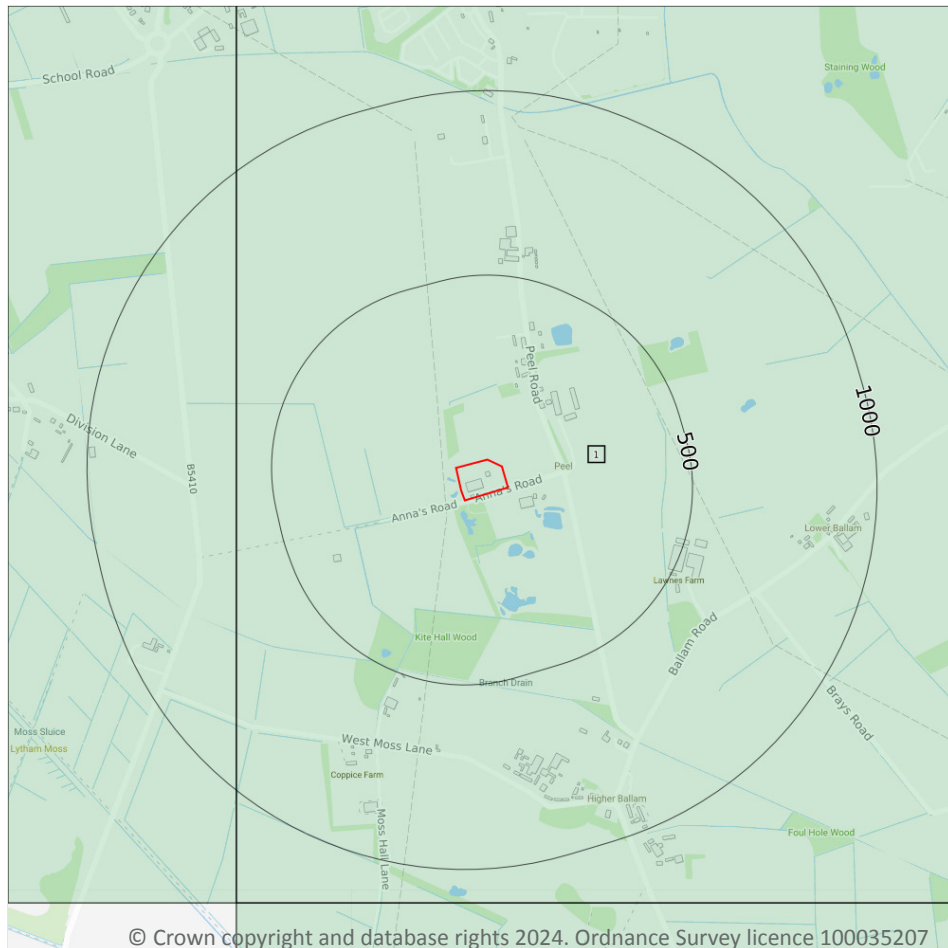
0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline**
- Search buffers in metres (m)**
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 87](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SD33SE

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground



- Site Outline**
- Search buffers in metres (m)**
- Reclaimed ground
 - Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

2

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

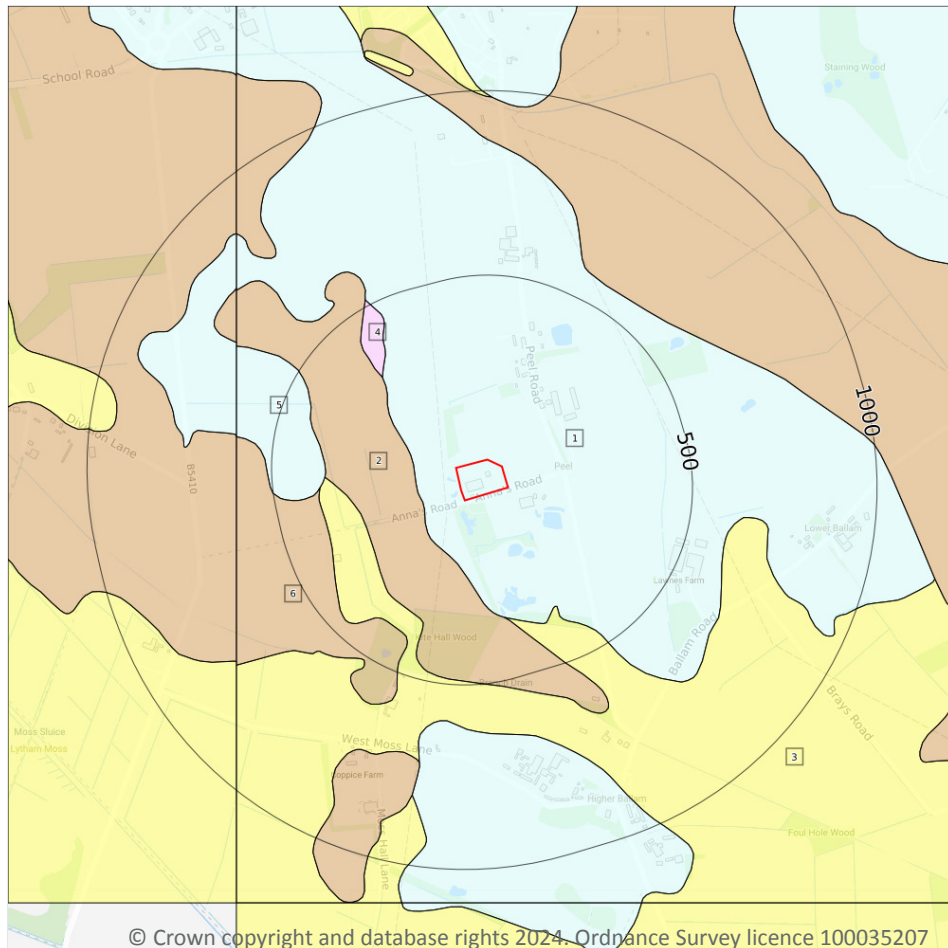
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 88](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit
2	18m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

6

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 89](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-CSVZ	Till, Devensian - Clay, Sandy, Gravelly, Silty (unlithified Deposits Coding Scheme)	Clay, Sandy, Gravelly, Silty
2	109m W	PEAT-P	Peat - Peat	Peat
3	275m SW	TFD1-XZCS	Tidal Flat Deposits, 1 - Silt, Clay And Sand	Silt, Clay And Sand



ID	Location	LEX Code	Description	Rock description
4	317m NW	GFICD-XVSZ	Glaciofluvial Ice Contact Deposits, Devensian - Gravel, Sand And Silt	Gravel, Sand And Silt
5	354m W	TILLD-CSVZ	Till, Devensian - Clay, Sandy, Gravelly, Silty (unlithified Deposits Coding Scheme)	Clay, Sandy, Gravelly, Silty
6	373m W	PEAT-P	Peat - Peat	Peat

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

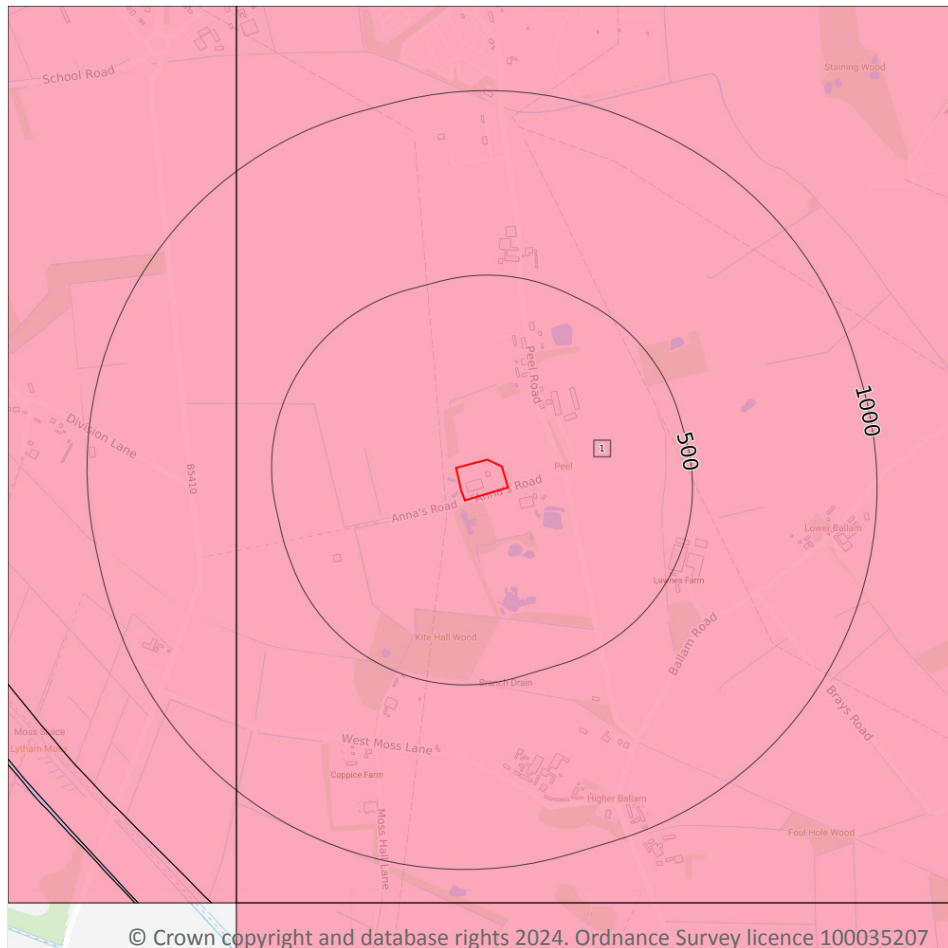
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

1

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 91](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	SIM-MDST	Sidmouth Mudstone Formation - Mudstone	Carnian Age - Olenekian Age

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

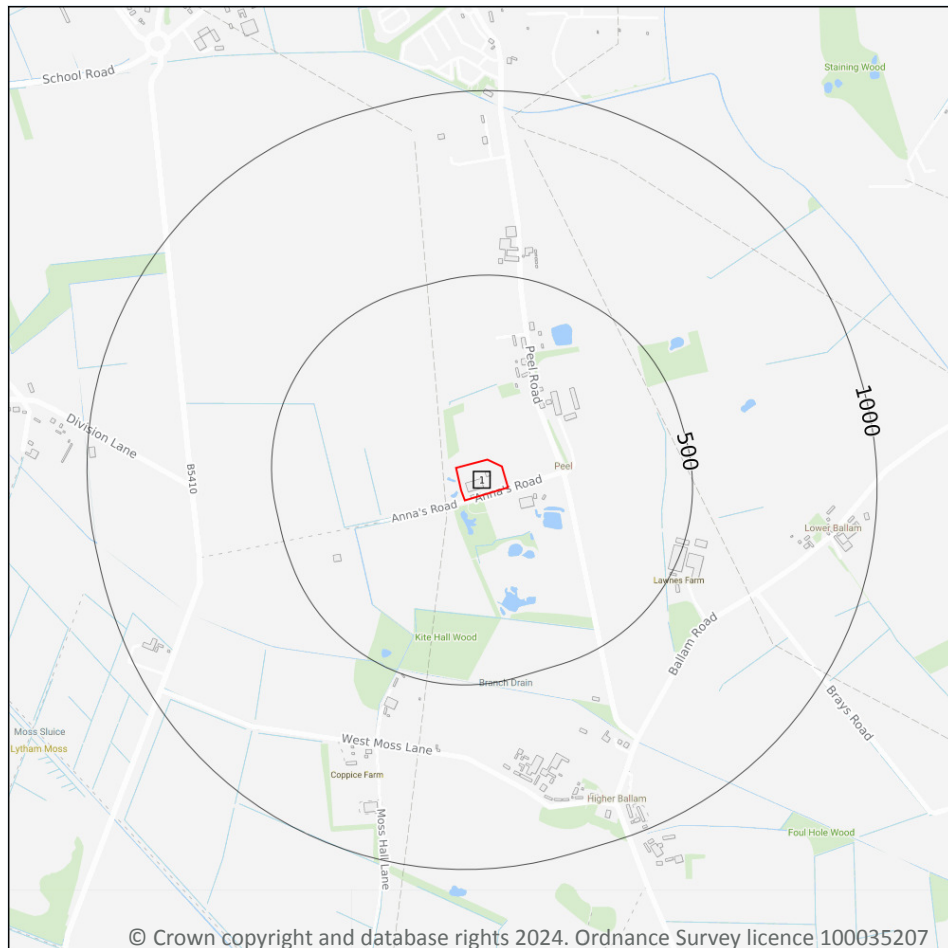
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 93](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW074_southport_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

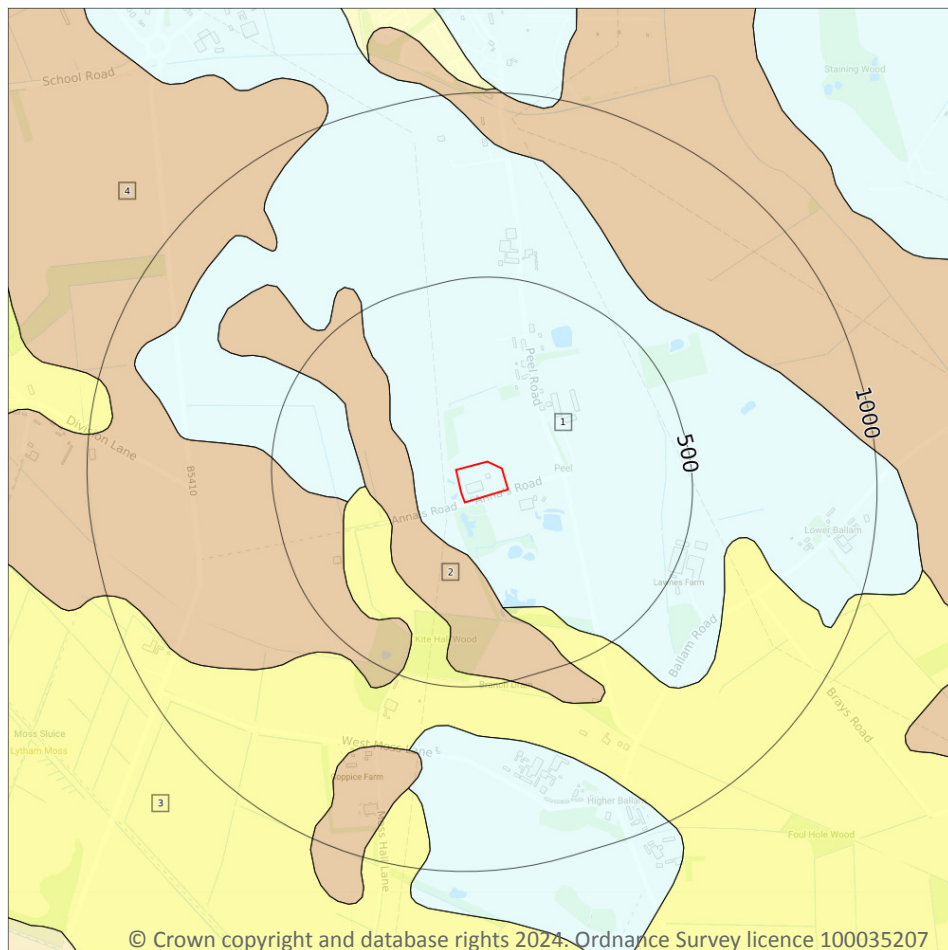
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

4

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 95 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON
2	118m W	PEAT-P	PEAT	PEAT
3	207m SW	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT



ID	Location	LEX Code	Description	Rock description
4	305m W	PEAT-P	PEAT	PEAT

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0
----------------------------	----------

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

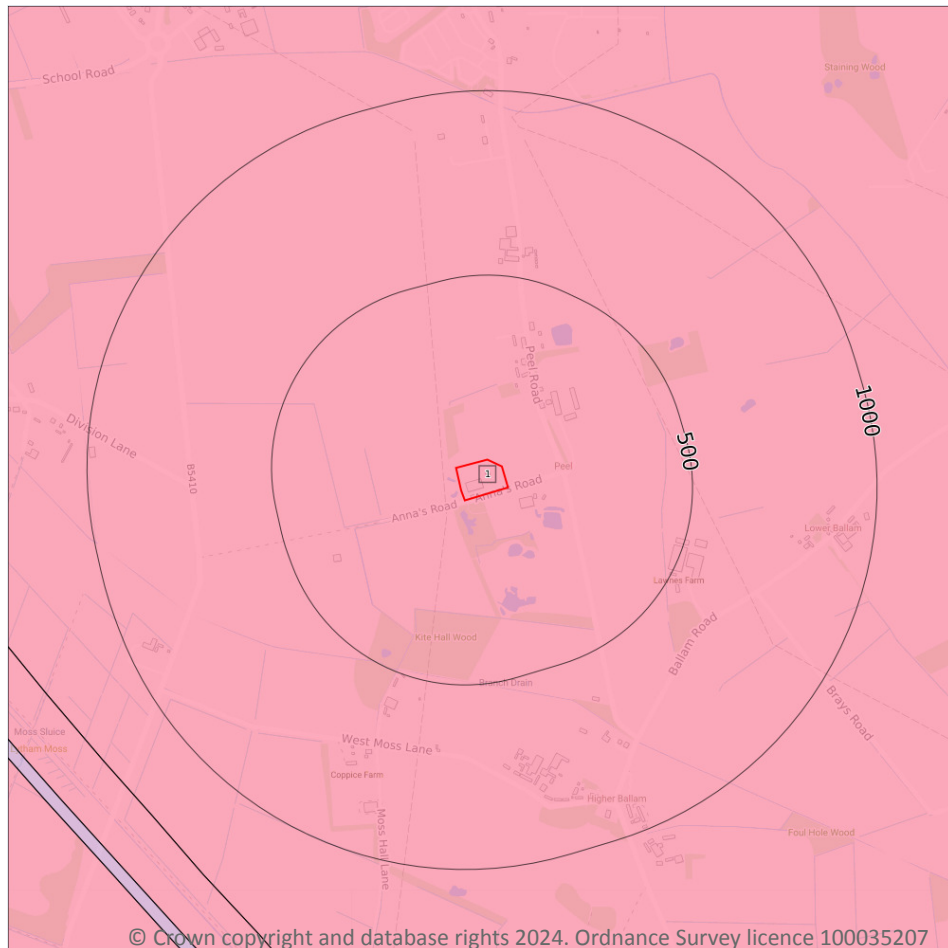
15.7 Landslip permeability (50k)

Records within 50m	0
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

1

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 97](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	KRM-MDST	KIRKHAM MUDSTONE MEMBER - MUDSTONE	ANISIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m

1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Low	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



16 Boreholes

16.1 BGS Boreholes

Records within 250m

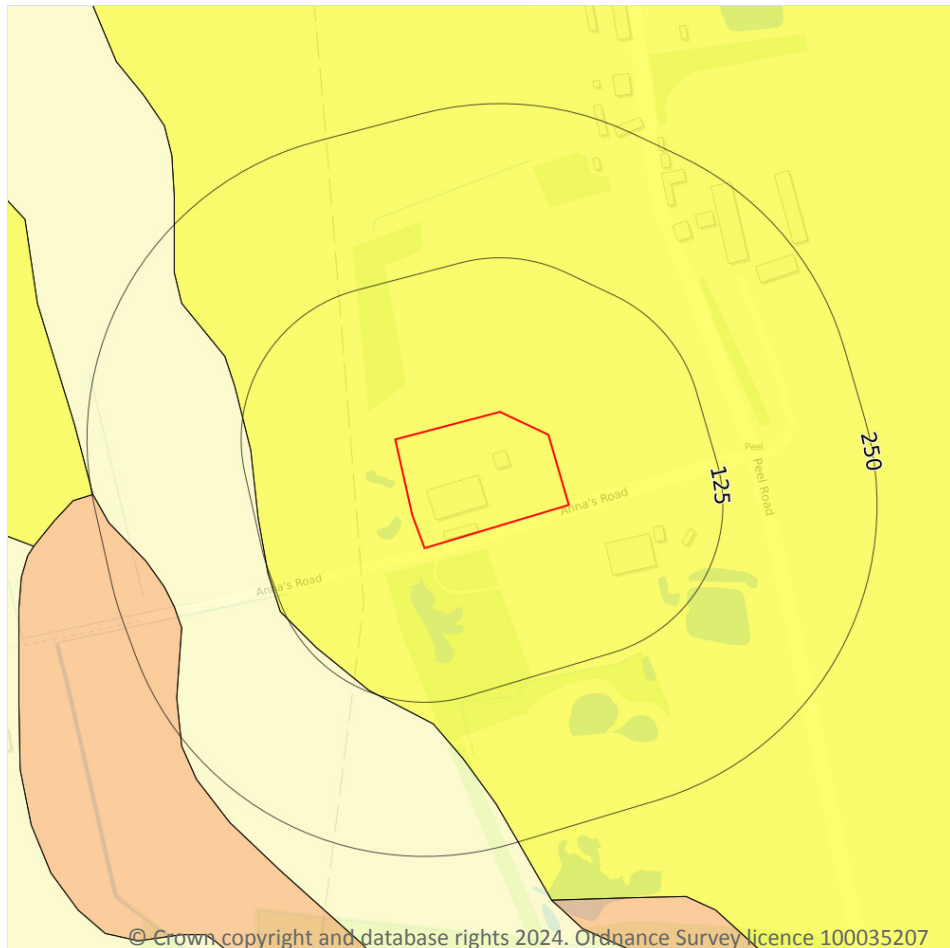
0

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

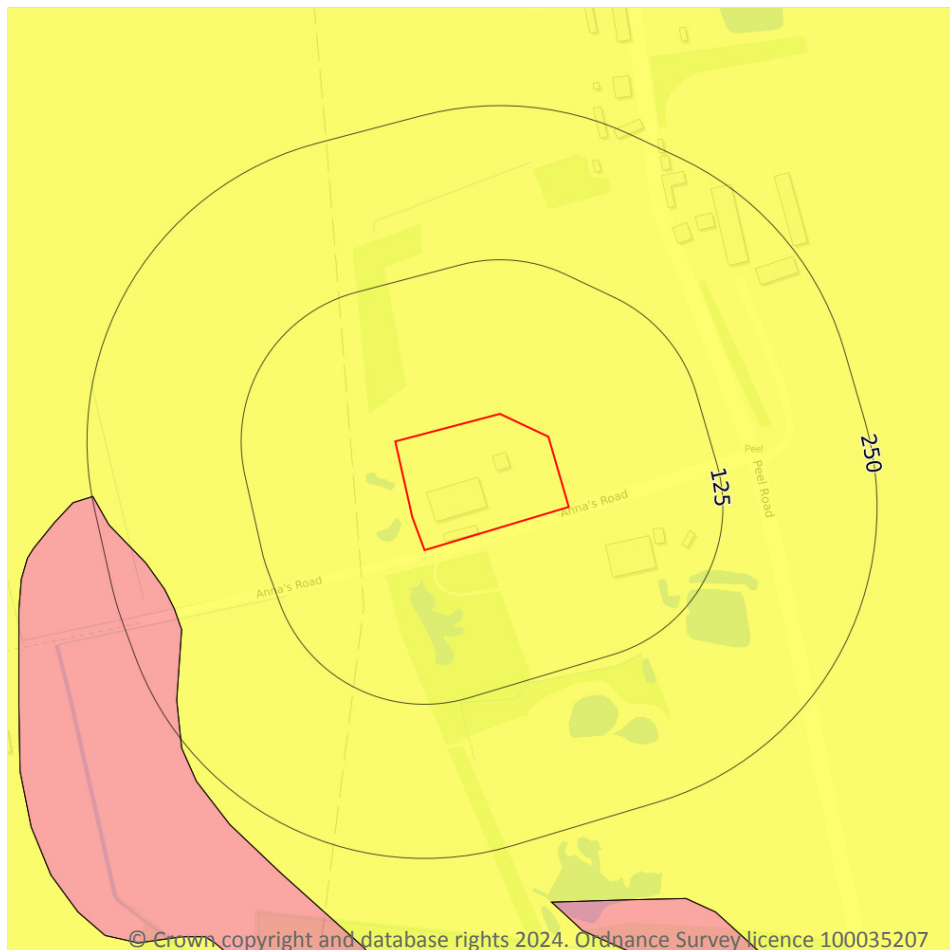
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 100](#) >

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

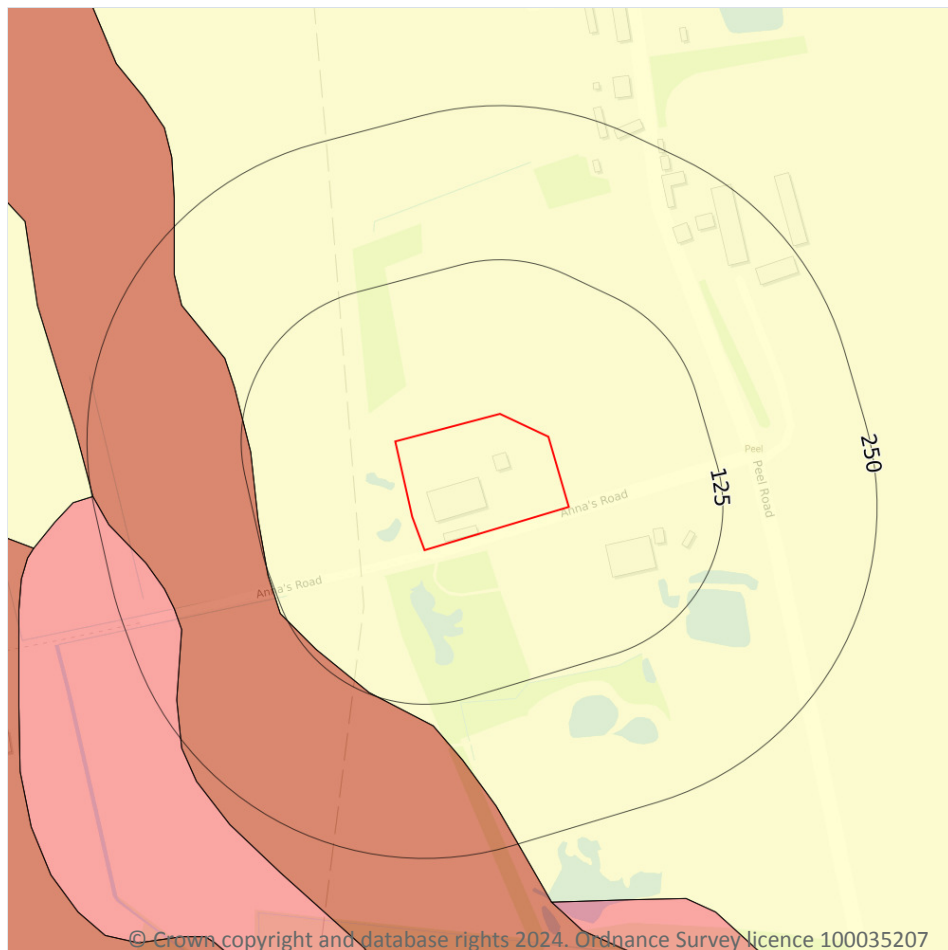
Features are displayed on the Natural ground subsidence - Running sands map on [page 101](#) >

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

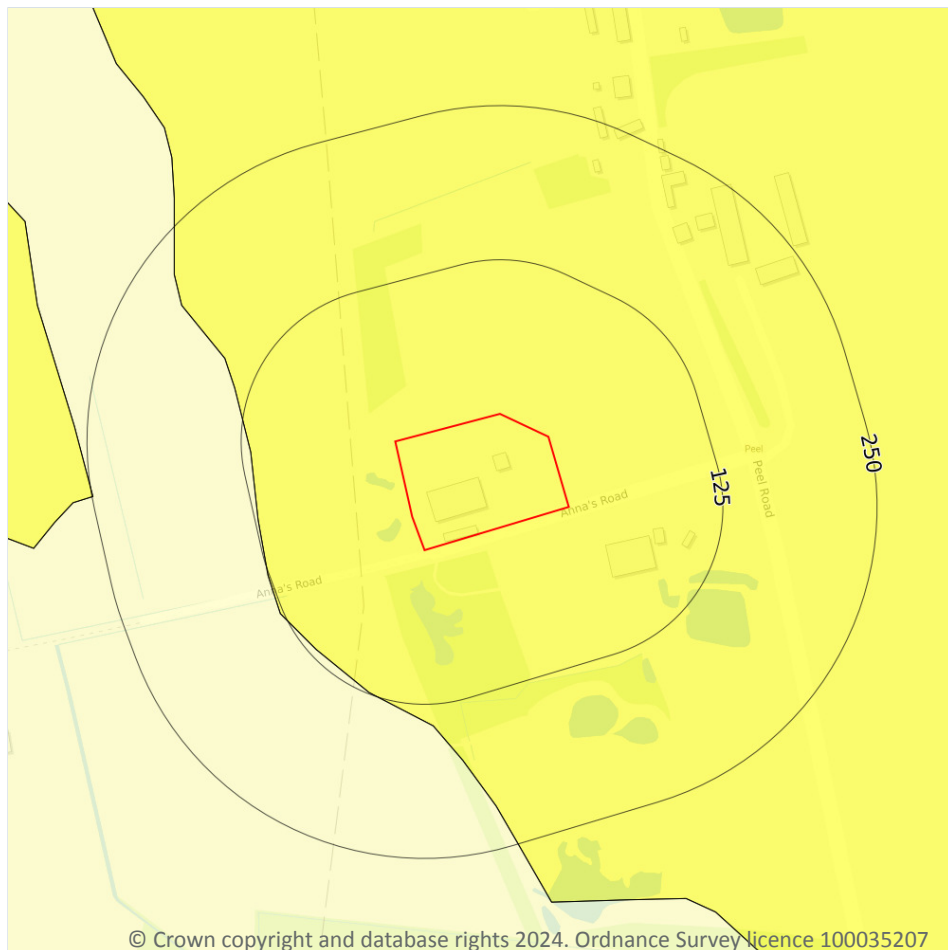
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 102 >](#)

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

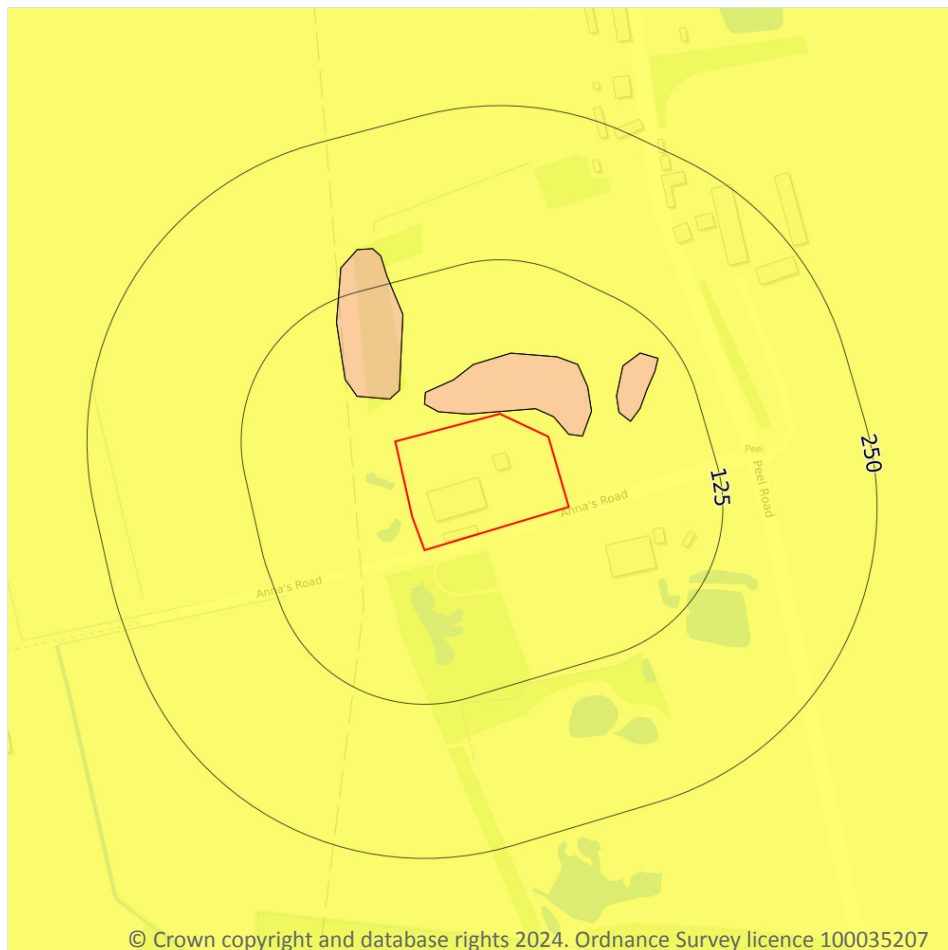
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 103 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

17.5 Landslides

Records within 50m

3

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 104](#) >

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

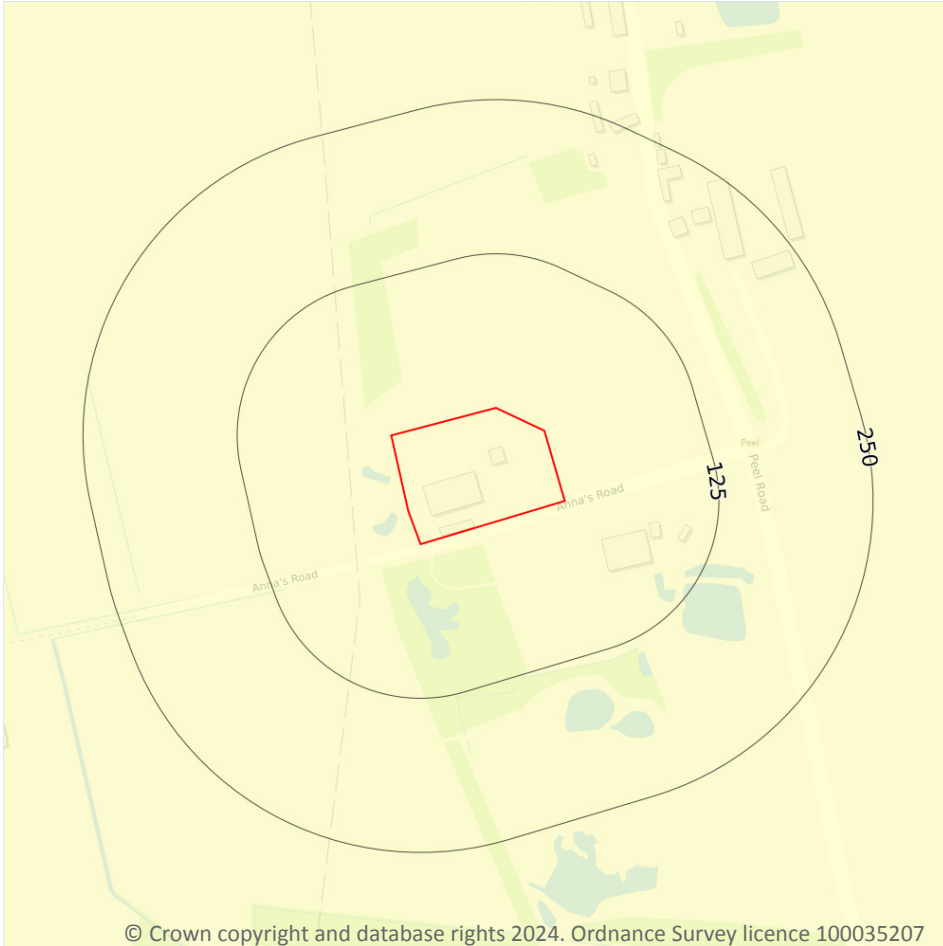


Location	Hazard rating	Details
2m N	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
34m NW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



— Site Outline
Search buffers in metres (m)

- ☐ No data
- ☐ Negligible
- ☐ Very low
- ☐ Low
- ☐ Moderate
- ☐ High

© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 106](#) >

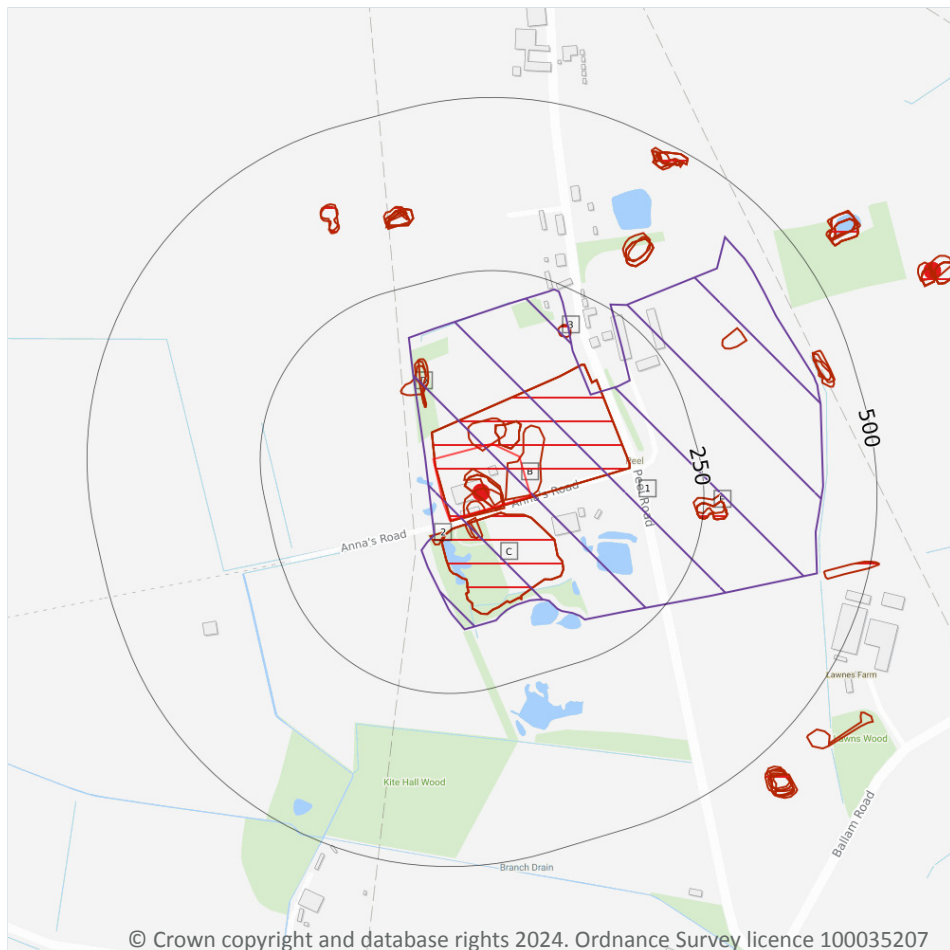
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

1

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 108](#) >



ID	Location	Details	Description
A	On site	Name: Peel Address: Peel, Higher Ballam, LYTHAM ST ANNES, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	29
----------------------------	-----------

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 108](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Old Clay Pit	1930	1:10560
A	On site	Unspecified Pit	1938	1:10560
A	On site	Old Clay Pit	1909	1:10560
A	On site	Unspecified Pit	1891	1:10560
A	On site	Unspecified Pit	1951	1:10560
A	On site	Refuse Heap	1847	1:10560
B	On site	Clay Pit	1951	1:10560
B	On site	Brick Works	1992	1:10000
B	On site	Brick Works	1969	1:10000
B	On site	Brick Works	1978	1:10000
B	On site	Unspecified Pit	1951	1:10560
B	4m NE	Pond	1992	1:10000
B	4m NE	Pond	1969	1:10000
B	4m NE	Pond	1978	1:10000
A	7m S	Unspecified Pit	1951	1:10560
C	11m SE	Clay Pit	1992	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
C	11m SE	Clay Pit	1969	1:10000
C	11m SE	Clay Pit	1978	1:10000
A	12m S	Unspecified Pit	1891	1:10560
2	20m SW	Unspecified Pit	1891	1:10560
D	76m NW	Ponds	1891	1:10560
D	81m NW	Pond	1951	1:10560
D	103m NW	Pond	1847	1:10560
3	183m NE	Unspecified Pit	1909	1:10560
E	235m E	Pond	1951	1:10560
E	240m E	Pond	1930	1:10560
E	240m E	Pond	1891	1:10560
E	240m E	Pond	1938	1:10560
E	240m E	Pond	1909	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

1

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on [page 108 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
1	On site	Westby	Clay	Surface mineral working	Valid	12/1/48

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.



18.14 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
-----------------	---

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

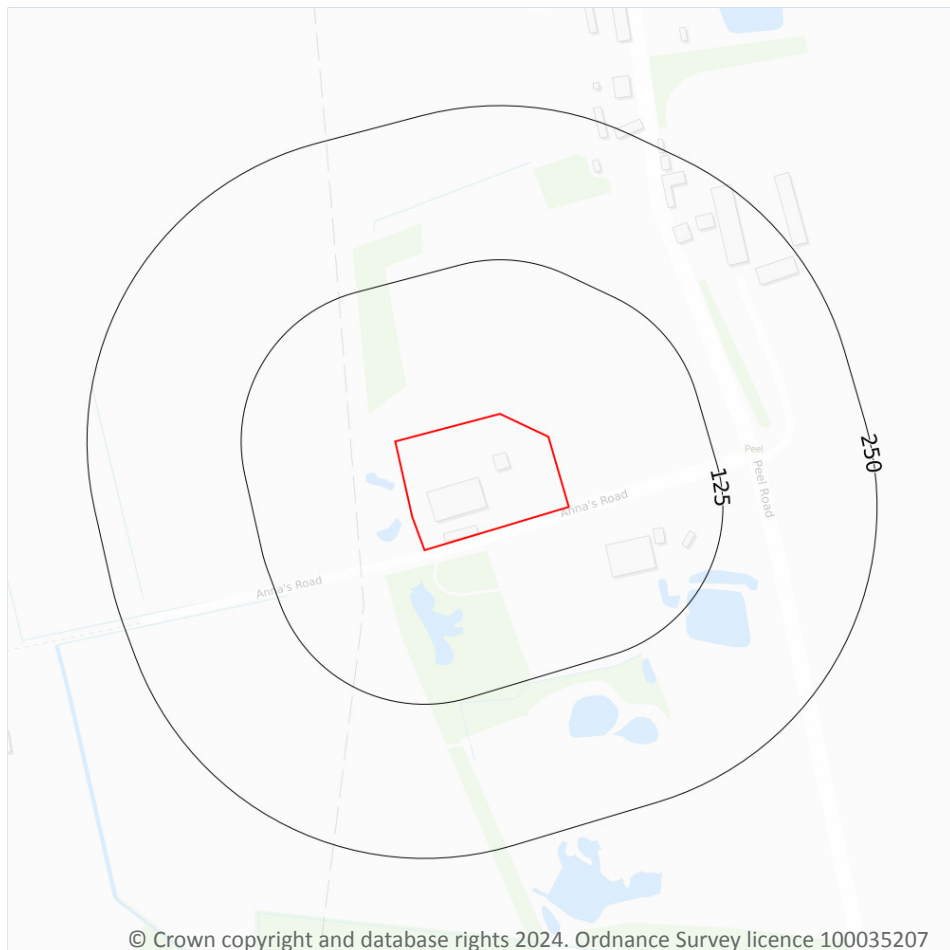
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

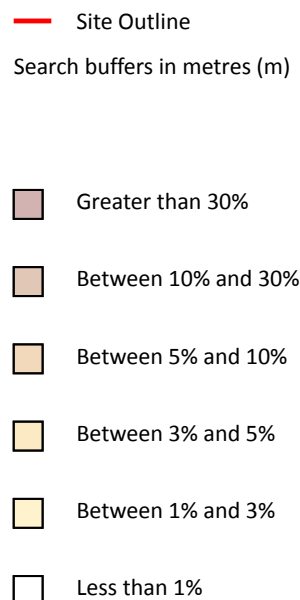
This data is sourced from the British Geological Survey.



20 Radon



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 116](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

2

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 119 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1967	2500
On site	Railway Sidings	1951	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.



22.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.





Starling
Environmental
Limited