



SITE CONDITION REPORT

STAGE 1-3

SAR Metals Ltd

**3 Manby Road
South Killingholme
Immingham
DN40 3DX**

Olive Compliance Ltd

Plant House, Northumbrian Way,

admin@olivecompliance.com

Basis of Report

This report has been prepared by Olive Compliance Ltd with all reasonable skill, care, and diligence, and taking account of the manpower and resources devoted to it by agreement with the client. Information reported herein is based on the interpretation of data collected and has been accepted in good faith as being accurate and valid.

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Version History

Revision	Date	Originator	Description of changes
V1	01/01/2026	Olive Compliance Ltd	New for Permit Application

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REFERENCED APPENDIX

Appendix 1 Groundsure Report (2025)

Appendix 2 Safety Data Sheets

1.0 Introduction

This report has been produced on the behalf of SAR Metals Ltd.

This document represents the Site Condition Report (SCR) submitted as part of the Application package to the Environment Agency. and has relied on information supplied by the site and various third party information sources.

The material processing facility ('the Site') is located at 3 Manby Road, South Killingholme, Immingham, DN40 3DX.

On 17th December 2010, the European Commission (EC) published the Industrial Emissions Directive 2010/75/EU [1] 1(IED). This Directive is the basis of a common system of environmental operating permits and supervision by the competent authorities for pollutant emissions from industrial installations. The IED came into force on 6th January 2011 and had to be implemented in Member States by 7th January 2013.

Provisions on the baseline report are included in Article 22 of the IED. The baseline report must contain the information necessary to determine the state of soil and groundwater contamination so as to make a quantified comparison with the state upon definitive cessation of activities.

The European Commission has produced guidance concerning baseline reports to clarify the IED requirements

The baseline report collects information on the state of soil and groundwater contamination (pollution) by relevant hazardous substances when the permit is revised or issued so this can be compared with the state of the land when the permit is surrendered.

This Baseline Site Condition Report is inclusive of Steps 2-8 as defined below

A comprehensive review of the Relevant Hazardous Substances that are used produced or released from the facility have been identified and are discussed in within this report.

The site is not currently operational at the time of writing this report and therefore the identified substances will be subject to change over time however based on the equipment and operations required for the facility have been identified within this document through discussions and operational knowledge from the SAR Management Team.

2.0 Initial Site Condition

1.0 SITE DETAILS	
Name of the applicant	SAR Metals Ltd
Activity address	3 Manby Road, South Killingholme, Immingham, DN40 3DX
National grid reference	TA 18610 15493

2.0 CONDITION OF THE LAND

Environment setting including:

- Geology
- Hydrology
- Surface waters

Site Location and current use

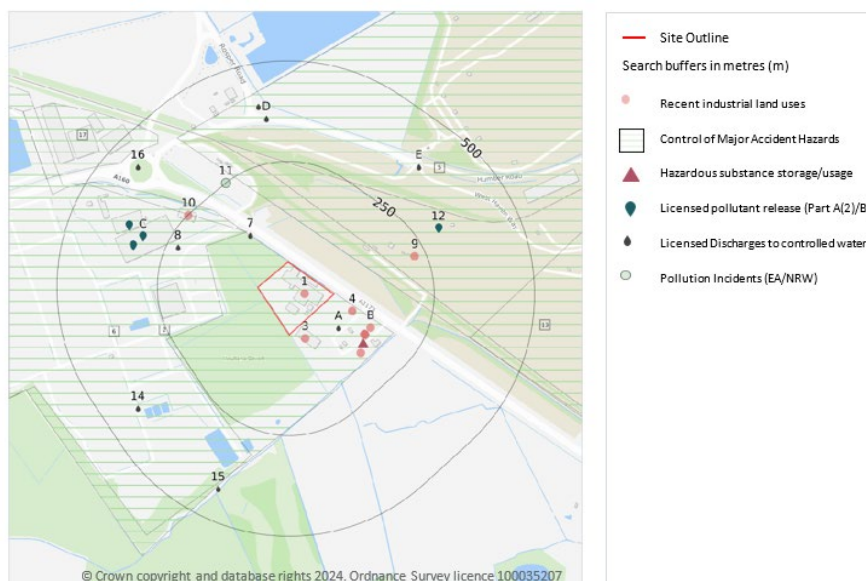
Image 1 below shows the site and its immediate location.



Image 2 below defines the site area and building layout.



Image 3 below identifies the sites current use and industrial features.



Infrastructure

The site is made up of a large industrial factory building to be split into separate waste activities by activity sector with one additional external building located within the footprint of the site.

There is no high voltage underground electricity transmission cable within 500m of the site.

There are no high-pressure underground gas transmission pipelines within 500m of the site.

Checks made for sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER) record none within 500m.

Geology, Hydrogeology and Surface Waters

Desk-based research of the local geology, hydrogeology and surface waters has been carried out in order to establish the potential for migration of contamination onto or away from the Site, and to assess the surface water and groundwater sensitivity of the Site area. Information was obtained from a number of sources, namely:

- Environment Agency Flood Risk Map;
- Information provided by Groundsure Report (Annex C).
- Geological maps produced by the British Geological Survey (BGS) and the BGS Geology of Britain Viewer (<http://maps.bgs.ac.uk/geologyviewer>).
- MAGIC <http://magic.defra.gov.uk>

Geology

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.

Superficial Deposit

Till, Devensian - Diamicton. Sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

Bedrock

Burnham Chalk Formation - Chalk. Sedimentary bedrock formed between 93.9 and 83.6 million years ago during the Cretaceous period.

Summary Classification: Secondary superficial aquifer

High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer

Vulnerability: Low Aquifer type: Principal Flow mechanism: Well-connected fractures

Radon

According to data issued by the National Radiological Protection Board (NRPB) in 2002 (now the Health Protection Agency), the site is located in an area that is in a lower probability radon area, as less than 1% of homes are above the action level. No radon protection measures would be considered necessary.

The site is not located in an area that might be affected by coal mining.

Hydrogeology

The site is not located within Source Protection Zone (SPZ).

The groundwater vulnerability at the site is not classified.

The site is not located within a Nitrate Vulnerable Zone (NVZ).

The site is considered to be situated in an area of low sensitivity with respect to groundwater resources, despite its setting upon two aquifers. This is due to the lack of groundwater abstractions within 2km, it not being within a SPZ and the overlying Made Ground and superficial deposits being cohesive in nature.

Surface Water

The nearest surface water feature is a number of unnamed tributaries located within m of the site. These feed into the River Humber.

Flood Risk

According to the Flood Map ([Your long term flood risk assessment - Check your long term flood risk - GOV.UK \(check-long-term-flood-risk.service.gov.uk\)](#) accessed Dec2025, the site has a very low risk of flooding from Rivers and Seas and surface waters.

Flooding from groundwater and reservoirs is also classed as a very low risk.

EA Flood Risk Information Surface Water

Surface water

[More about your surface water flood risk](#)

Yearly chance of flooding

Very low

Low

Medium

High

Yearly chance of flooding between 2040 and 2060

Very low

Low

Medium

High

What surface water is

Surface water flooding is sometimes known as flash flooding. It happens when rainwater cannot drain away through normal drainage systems.

EA Flood Risk Information Rivers and Seas

Rivers and the sea

[More about your rivers and sea flood risk](#)

Yearly chance of flooding

Very low

Low

Medium

High

Yearly chance of flooding between 2036 and 2069

Very low

Low

Medium

High

What makes rivers and sea flooding more likely

Low-lying areas that are close to rivers or the sea are more likely to flood when water levels rise.

This information takes into account any flood defences.

EA Flood Risk Information Groundwater

Groundwater[More about your groundwater flood risk](#)

We use groundwater flood alert areas to check the risk of flooding from groundwater.

This location is outside of a groundwater flood alert area.

► [What this means](#)

What groundwater is

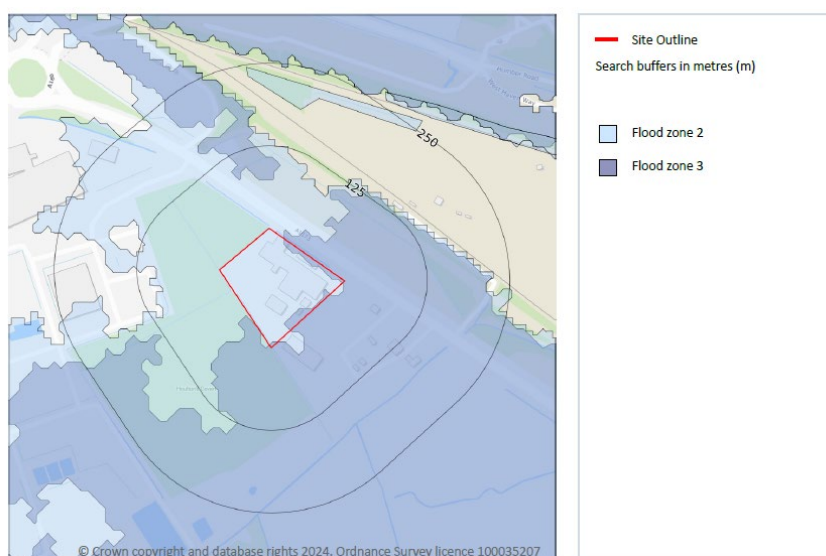
Groundwater is the water that is usually held in rocks and soil underground.

Groundwater flooding happens when this water rises and flows above the surface.

Flooding from rivers is more likely when groundwater levels are high.

Flood Risk Zones

The site is classed as being in a Flood Risk Zone 2¹.

Image 13 – Flood Risk Zones (SAR)

In support of the potential risk of a flood event, a Flood Risk Assessment Plan is included within the application.

Designated Sites

Environment Agency H1 and H5 guidance states that the potential impacts of the site should be assessed for the following habitat sites within 2km of the site.

- Sites of Special Scientific Interest (SSSI) established by the 1981 Wildlife and Countryside Act;

¹ Groundsure Report

- Special Areas of Conservations (SACs) and candidate SACs (cSACs) designated under the EC Habitats Directive;
- Special Protection Areas (SPAs) and potential SPAs designated under the EC Birds Directive; and
- Ramsar Sites designated under the Convention of Wetlands of International Importance.
- National Nature Reserves (NNR);
- Local Nature Reserves (LNR);
- Local Wildlife Sites (LWS), County Wildlife Sites (CWS) and potential wildlife sites (PWS);
- Sites of Importance for Nature Conservation (SINC); and
- Ancient Woodland.

Protected Species - European Water Vole up to 500m from the site

Protected Habitats – Chalk Rivers and Deciduous Woodland up to 50m from the site

Information from the Multi Agency Geographic Information for the Countryside (MAGIC) website (<http://magic.defra.gov.uk/>) and the EA Screening Tool has been used to obtain the above information.

Local Receptors

The below local receptors including sensitive receptors have been identified.

Receptor	Distance	Contact
A1173	50m	Highways Agency 0300 123 5000
Woodland (Deciduous Woodland)	50m	Natural England 0300 060 3900
Chalk River		
Protected Habitats (Water Course)	500m	Natural England 0300 060 3900
Oxbow Uk	1km	01469 577635
Immington West Fire station	488m	01482 565333
Humber Refinery	155m	01469573186
The Canon Peter Hall CofE Primary School	730m	01469510300

	Aldi	700m	08000420800					
	<u>AQMA</u> The site is located within an Air Quality Management Area for PM10 approximately 2km from the site which have subsequently been revoked. The facility has no environmental emissions to land or controlled waters and minimal emission to atmosphere and therefore it is the conclusion of this assessment that there will be no direct or indirect effects on any of the statutory sites described above.							
Pollution history including: • Pollution incidents that may have affected land • Historical land uses and associated contamination • Any visual/olfactory evidence of existing contamination	<u>Environmental Database Records</u> The following information has been obtained from a search of a publicly available database of environmental information (Groundsure Report, provided in Annex C). The database contains records of information from public registers held by environmental regulatory authorities and can be used to assess the site’s sensitivity, the potential for neighbouring activities to pose a risk to the site and to determine whether specific records of pollution relate to the subject site. <u>Pollution Incidents</u> Checks have been made in relation to records of substantiated pollution incidents. There is only one historic pollution incident recorded within 500m of the site. 11 250m NW Incident Date: 30/09/2002 Incident Identification: 111635 Pollutant: Oils and Fuel Pollutant Description: Diesel Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact) <u>Landfill</u> There are 3 historical landfills recorded within 500m of the site. <table><tr><td>ID</td><td>Location</td><td>Details</td><td></td><td></td></tr></table>			ID	Location	Details		
ID	Location	Details						

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	B	180m N	Site Address: Landfill Site - South	Waste Licence: Yes	Operator: Landfill Site - South
			Killingholme, Humber Road,	Site Reference: -	Killingholme
			Grimsby, Lincolnshire	Waste Type: Industrial	Licence Holder: Landfill Site - South
			Licence Holder Address: Moody	Environmental Permitting	Killingholme
			Lane, Grimsby, Lincolnshire	Regulations (Waste) Reference:	
				YP2/L/POR001	
				Licence Issue: 08/10/1991	
				Licence Surrender: 06/11/2007	
			1 263m W	Site Address: Conoco, Killingholme	Waste Licence: Yes
	1	263m W	Licence Holder Address: -	Site Reference: 55/19/0148, 1480,	
				2000/5296	First Recorded 31/07/1975
				Waste Type: Industrial, Liquid	
				sludge	
				Environmental Permitting	
				Regulations (Waste) Reference: -	
				Licence Issue: 10/12/1987	
				Licence Surrender: -	
			2 274m SW	Site Address: Conoco, Killingholme	Waste Licence: Yes
	2	274m SW	Licence Holder Address: -	Site Reference: 55/19/0148, 1480,	Operator: Conoco

2000/5295

First Recorded
30/06/1975

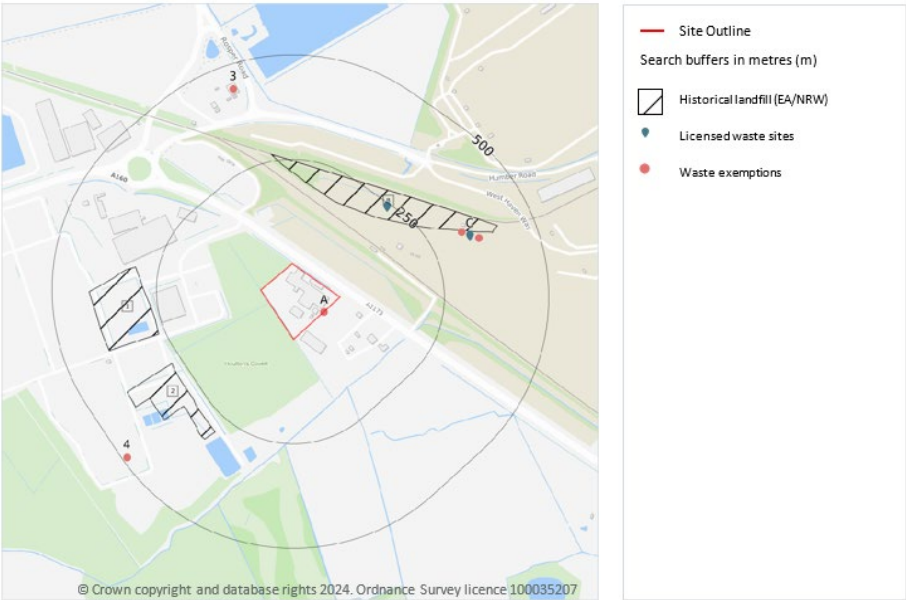
Waste Type:
Industrial, Liquid

sludge

Environmental
Permitting

Regulations (Waste)

Licence Issue:
18/12/1987



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

Checks made on the EA public register identifies the below waste facilities and installations within 1km of the site.

Waste Sites and Installation Facilities within 1km of the Site				
Company / Location	Distance and Direction	Permit Number	Activity	Status
Donald Ward	0.3km	WE0282AC	Scrap Metal Recycling	Active

PHILLIPS 66 LIMITED	0.8km	YP3995NG	Biological Treatment	Active
CPL PRODUCTS LIMITED	0.8km	EPR/DP3134LK	Pyrolysis /Coal Treatment	Active – Installation

Discharge Consents

There are 13 Licensed Discharge Consents within 500 m of the site.

Abstractions

There are 24 Licensed Water Discharge Abstractions within 2km of the site. There are no abstractions within 500m of the site.

Historical Land Uses

Available historic maps for the site have been reviewed to determine if there is the potential for contamination to be present on Site associated with the Sites historical uses.

Historic mapping provided in the Groundsure report (Appendix C) also support previous land use.

A summary of the historical development of the Site and surroundings is included below:

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Works	1983	20020513
A	34m N	Unspecified Commercial/Industrial	1947	2025178
A	34m N	Dock	1947	2030354
A	34m N	Railway Sidings	1938 - 1947	2030791
B	71m SE	Unspecified Depot	1974 - 1983	2032463
A	97m NE	Docks	1951	2030397
A	103m NE	Dock	1968	2027074
A	115m NE	Railway Sidings	1972 - 1974	2026332
A	115m NE	Railway Sidings	1983	2030201
A	122m NE	Railway Sidings	1951 - 1952	2033094

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	C	128m NE	Railway Sidings	1968	2021079
	C	135m NE	Railway Sidings	1930	2032808
	2	146m N	Docks	1974 - 1983	2031749
	3	180m NW	Unspecified Depot	1974 - 1983	2028359
	5	416m W	Unspecified Commercial/Industrial	1974 - 1983	2032880
	E	418m NW	Unspecified Depot	1974	2018914
	E	418m NW	Unspecified Warehouses	1983	2019352
	6	425m W	Unspecified Tanks	1983	2019754
	7	469m NE	Electric Substation	1983	2017452
	F	482m W	Unspecified Tanks	1974 - 1983	2022639
	9	491m NE	Ore Terminal	1974 - 1983	2024993
Site Reconnaissance Visual/Olfactory Evidence of Existing Contamination - All areas of the site have been subject to a visual inspection at the time of this application by Olive Compliance Ltd. This was undertaken on the 1st May 2024 with the storage area empty and the warehouse being cleared by the current occupants for the resale process. All aspects of the installation boundary have been inspected. External hard standing around the site was observed to be in good condition. Internal surfaces around the site were observed to be in good condition. Apart from the above, at the time of the site walkover, there was no sign of any potentially contaminative uses or visual contamination (see site images Appendix A and B). Since 1947 the site has been used for industrial purposes.					
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and	No records				

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verification reports (where available)	
Baseline soil and groundwater reference data	Non available
Supporting information	See Groundsure Report (Appendix C)

The hazardous substances assessment comprises a 1 to 3 stage assessment procedure.

The assessment follows a three-stage approach:

Stage 1 – Identify all potentially hazardous substances on-site;

Stage 2 – Identify those substances that are Relevant Hazardous Substances;

Stage 3 – Assess the site-specific pollution risk from each relevant hazardous substance using a Source - Pathway – Receptor style of assessment taking due consideration of control measures that will be in place to minimise pollution risk.

Where a potential risk to soil and groundwater is identified, site baseline condition data must be submitted as part of the Permit application and a plan established for monitoring of soil and groundwater monitoring throughout the lifetime of the permit.

3.0 Stage 1 Identify hazardous substances

Stage 1 requires the identification and production a list of any hazardous substances SAR are proposing to use, produce or release within the permit boundary.

Hazardous substances for the purpose of a site condition report are defined in Article 3 of the Classification, Labelling and Packaging of Substances and Mixtures Regulations 2008 (CLPR).

A directly associated activity means an operation that:

- has a technical connection with your activity
- is carried out on the same site
- could also cause pollution

The list of hazardous substances must include:

- raw materials – See Table 3
- effluent discharges - **Not applicable to SAR**
- products and by-products, intermediaries - **Not applicable to SAR**
- Emissions, products or wastes produced – See Table 4
- substances in firefighting systems if they are part of your installation or a directly associated activity – **Not applicable to SAR**

The installation will accept a range of hazardous and non-hazardous wastes for storage and treatment.

Table 2 below identifies the waste types proposed and waste activities.

Table 2 - SAR Proposed Activities

Catalytic Converters			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1 – Catalytic converter recycling	S5.3 A1 (a)(vi)	R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials	From receipt of hazardous waste catalytic converters to treatment consisting of manual sorting, separation and mechanical shearing. Treatment activities shall not exceed 50 tonnes per day. Activities shall take place within a building on an impermeable surface with sealed drainage.

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AR2 – Hazardous waste storage	S5.6 A(1)(a)	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) D15: Storage of hazardous wastes pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of hazardous catalytic converters, RCF matting and WEEE. Activities shall take within a building on an impermeable surface with sealed drainage. Catalytic converter and RCF matting wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery.
Directly Associated Activity -			
	Physical treatment of catalytic converters for the purpose of recycling	R3: Recycling/ reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials	Treatment consisting only of sorting, separation, shearing of non-hazardous catalytic converters. Non-hazardous waste types suitable for acceptance are limited to those non-hazardous wastes specified within the permit. Undertaken in relation to activity AR1.
AR4	Physical treatment for the purpose of recycling	R3: Recycling/ reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of metals and metal compounds	Treatment consisting only of milling of non-hazardous Honeycomb cores for the purpose of recycling. Undertaken in relation to activity AR1. Non-hazardous waste types suitable for acceptance are limited to those non-hazardous wastes specified in the permit
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR5	Storage of processed materials, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a)	R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	From storage of processed catalytic converter and milled Honeycomb cores non-hazardous material to dispatch off site for recovery. Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery. Undertaken in relation to activity AR1.

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AR6	Bulking non-hazardous waste	R13: Recycling/reclamation of other inorganic materials	Bulking of non-hazardous Honeycomb cores milled onsite with imported milled non-hazardous Honeycomb cores. Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery. Undertaken in relation to Activity AR1.
AR7	Storage of waste, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a)	R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt of non-hazardous catalytic converters waste to treatment. Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery. Undertaken in relation to Activity AR1.

Table 3 identifies the types of raw materials used in at the facility. The specific raw materials in use and stored will be required to be on site as part of the SAR operational need.

No raw materials are required for any waste treatment activities other than fuels and maintenance products.

Table 3 - Raw Materials – SAR Metals Ltd

Raw Material	Required Stage	Chemical Composition	Typical Usage per Annum	Quantity Stored on Site at One Time	Use of material	Hazardous Properties	Assessment of alternatives / Reduction
Lubricating Oil	Plant and machinery Maintenance	Petroleum Hydrocarbon + Additives	Unknown	150 litres Stored in a suitable can / drum in a bund or drip tray.	Used for plant and equipment maintenance.	Prolonged or repeated contact with skin may cause mild irritation and possibly dermatitis. Mildly irritating to eyes. Waste oils may be carcinogenic.	Essential to proper operation of plant and machinery, no alternative available. Servicing of plant and machinery carried out in accordance with manufacturer's recommendations.
Hydraulic oil	Plant and machinery maintenance	Petroleum Hydrocarbon + Additives	Unknown	75 litres Stored in a suitable can / drum in a bund or drip tray.	Used in plant and equipment maintenance.	Dangerous to aquatic life.	Essential to proper operation of plant and machinery. Use will be minimised by correct servicing of plant and machinery to reduce the risks of leaks.
Diesel	Plant operation	C12H23	Unknown	5000 litres Stored in a double skinned tank with relevant signage externally.	Fuel for site plant	Irritates the skin, eyes and respiratory tract.	Currently best option for fuel. Options are kept under review.

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				Stored in accordance with the oil storage regulations.			
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Table 4 - List of hazardous substances used or produced– SAR Metals Ltd

Substance Name	Usage	Site(s) where Used	Supplier	Hazard Numbers	Precautionary Numbers	Associated Risk Assessment(s)	Last Saved Date	Hazard Icons
Flash with bleach spray	Cleaning product	Units 1&2 Pelham Industrial Estate	Asda			COSHH008	27/08/2021	
1000 qg/ml Zinc	For Laboratory use only	Main Site	YourLab	H315, H319	P264, P280, P321, P362, P302+352, P305+351+338, P332+313, P337+313	COSHH38	07/02/2024	
AdBlue	Reactant for reducing NOx-emissions.	Main Site	N/A			COSHH85	27/03/2025	
Agri-Linc Red Lithium Complex EP2 Grease Gun Cartridges	Lubricant for the machinery and plant	Brand Site	Amazon			COSHH88	20/02/2026	
Alkaline Battery	Storage	Main Site	N/A			COSHH022	26/08/2022	

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Argon Gas	Laboratory microwave	Main Site	Air Product		P282, P315, P336, P403	COSHH43	08/07/2024	
Brake&Clutch Cleaner	Industrial use, maintenance department - lubricant.	Main Site	FILO Wholesale Ltd	H225, H304, H315, H319, H336, H411	P210, P273, P280, P301+310, P303+361+353, P304+340, P305+351+338	COSHH45	14/08/2024	
Chemizorb H+	for absorption and neutralisation of Hydrochloric, Nitric and Sulphuric Acids used in the Lab	Main Site	Merck (Sigma Aldrich)	H319	P264, P280, P305+351+338, P337+313	COSHH035	17/11/2023	
CIF Brilliance Ocean - floor cleaner	liquid General Purpose Cleaner - Floors	Main Site	Asda		P102, P305, P313, P337, P338, P351	COSHH46	28/08/2024	
Cif Cream Lemon	Hard Surface Cleaning	Main Site	Asda		P102, P280, P312, P305+351+338	COSHH49	04/09/2024	
Cillit Bang 100% Limescale Remover	Surface Care - lime scale remover	Main Site	Asda	H302, H314, H315, H318, H319		COSHH51	06/09/2024	
Colour It - Gloss Finish Spray Paint	Aerosol spray paint is to be used for marking catalytic converters	Main Site	Paint Factory (online shop)	H222, H315, H317, H319, H335, H229	P210, P211, P251, P261, P264, P271, P280, P302+352, P304+340, P305+351+338,	COSHH52	17/10/2024	

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	while grading.				P403+233, P410+412, P501			
CT-90 Cutting and Tapping Fluid	Cutting, drilling, thread cutting of hard metals	Main Site	Amazon	EUH066, H410, H226, H302, H315, H317, H319, H334, H362, H400	P273, P391, P501	COSHH023	31/01/2023	
Diesel fuel	Fuel for use in automotive vehicles	Brand Site	Local Garage	H304, H315, H226, H332, H351, H373, H411	P102, P210, P273, P280, P331, P301+310, P405, P501	COSHH53	28/02/2025	
Domestos	General Cleaning	Units 1&2 Pelham Industrial Estate	Asda	R38, R41	S2, S26, S46, S64, S24/25, S37/39	COSHH001	09/07/2021	
ELBOW GREASE GLASS CLEANER	General cleaning of glass surfaces	Main Site	Asda	EUH208, H225, H319, H336	P101, P102, P103, P260	COSHH47	28/08/2024	
Ethyl Alcohol Completely Denatured	Example SDS uploaded for now till original sought.	Main Site	Ebay	H225, H319	P210, P280, P305+351+338, P370+378, P403+235, P501	COSHH37	06/02/2024	
Everbuild Surveyline spray paint	Semi-permanent, line marking spray paint	Main Site	Amazon	H222, H319, H336, EUH066, H412, H229	P101, P102, P211, P251, P271, P280, P410+412, P501	COSHH011	11/07/2024	
Substance Name	Usage	Site(s) where Used	Supplier	Hazard Numbers	Precautionary Numbers	Associated Risk Assessment(s)	Last Saved Date	Hazard Icons
Finish dishwash er rinse aid	Glass cleaner.	Units 1&2 Pelham Industrial Estate	Asda	H226, H319, H336	P210, P240, P241, P242, P243, P261, P264, P271, P280, P312,	COSHH007	27/08/2021	

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					P303+361+353, P304+340, P305+351+338, P337+313, P370+378, P405, P403+233, P403+235, P501			
FLASH ALL PURPOSE CLEANER	Cleaning/wa shing g agents and additives. Not for direct contact with Food or Beverage stuffs. Not for oral consumptio n	Units 1&2 Pelham Industrial Estate	Asda	H319	P264, P280, P305+351+338, P337+313, P404, P501	COSHH009	27/08/2021	
HARPIC 100% Limescal e Remover Original	Toilet Bowl Cleaner	Main Site	Asda	H314		COSHH48	28/08/2024	
Holts Professio nal	Car maintenanc e product. Cleaning agent.	Main Site	ZORO	H222, H315, H336, H411, H229	P101, P102, P210, P211, P251, P261, P271, P273, P280, P312, P321, P362, P391, P302+352, P304+340, P332+313, P405, P403+233, P410+412, P501	COSHH025	27/02/2023	   

Site Condition Report Stage 1-3

Hydraulic Oil	Hydraulic oil.	Units 1&2 Pelham Industrial Estate	N/A			COSHH014	14/09/2021	
Substance Name	Usage	Site(s) where Used	Supplier	Hazard Numbers	Precautionary Numbers	Associated Risk Assessment(s)	Last Saved Date	Hazard Icons
Hydrochloric acid	Sample preparation for ICP	Main Site	YourLab	H290, H314, H335	P280, P310, P303+361+353, P304+340, P305+351+338	COSHH029	15/09/2023	
Hydrochloric acid	For ICP	Main Site	YourLab	H290, H314, H335	P280, P310, P303+361+353, P304+340, P305+351+338	COSHH031	19/09/2023	
Jangro - alcohol gel rub	Alcoholic Hand Rub	Units 1&2 Pelham Industrial Estate, Unit 4	Jangro	H225, H319, H336	P102, P210, P233, P261, P301, P313, P305+351+338, P337+313, P370+378, P403+235, P501	COSHH002	09/07/2021	
Lead Acid Battery	Repackaging	Main Site	N/A	R21, R23, R24, R25, R35, R36, R37, R49, R52, R21/22, R37/38, R52/53	S1, S2, S26, S30, S45	COSHH019	24/08/2022	
Lithium Ion Battery	Storage	Main Site	N/A	H301, H314, H317, H330, H334, H350, H372, H410, H413	P102	COSHH021	26/08/2022	
Nickel Cadmium Battery	Repackaging	Main Site	N/A	H302, H312, H315, H319, H330, H334, H341, H350, H360, H372	P201, P202, P264, P270, P271, P272, P281, P284, P285, P301, P302, P304, P305	COSHH018	24/08/2022	
Nickel Metal Hydride	Repackaging / Storage	Main Site	N/A	H302, H314, H317, H334, H341, H350, H372	P201, P202, P260, P264, P270, P272,	COSHH020	26/08/2022	

Site Condition Report Stage 1-3

Battery					P280, P281, P285, P301, P305, P310, P338, P351, P301+310, P303+361+353, P304+340, P332+313			
Substance Name	Usage	Site(s) where Used	Supplier	Hazard Numbers	Precautionary Numbers	Associated Risk Assessment(s)	Last Saved Date	Hazard Icons
Nitric acid	For ICP	Main Site	YourLab	H272, H290, H314, H331	P210, P220, P280, P303+361+353, P304+340, P305+351+338	COSHH033	19/09/2023	
Nitrogen Gas	Laboratory use - ICP	Main Site	Air Product	H280	P403	COSHH44	09/07/2024	
Oust All Purpose Descaler	descales	Main Site	Asda	H319	P101, P102, P280, P305+351+338, P337+313	COSHH024	23/02/2023	
Palladium liquid standard	Palladium liquid standard 10% for ICP	Main Site	YourLab	H315, H318, H335		COSHH027	15/09/2023	
Phosphoric acid	For ICP	Main Site	YourLab	H290, H302, H314	P234, P270, P280, P301+312, P303+361+353, P305+351+338	COSHH032	19/09/2023	
Platinum liquid standard	Platinum liquid standard 10% for ICP	Main Site	YourLab	H315, H318, H335		COSHH028	15/09/2023	
Propane	For removal of machinery	Main Site	Mark Vitow	H220, H280	P210, P260, P271, P377, P381, P403	COSHH017	16/07/2024	

Site Condition Report Stage 1-3

	screws, bolts or bearing.							
RCF - Refractory Ceramic Fibres	Not used, generated as part of a catalytic converter dismantling process.	Units 1&2 Pelham Industrial Estate	N/A	H315, H350	P270, P304, P302+350, P305+351+338, P405	COSHH004	15/07/2021	
Rhodium liquid standard	Rhodium liquid standard 10% for ICP	Main Site	YourLab	H315, H318, H335		COSHH026	15/09/2023	
RS Pro High Temp Grease	used as a lubricant	Main Site	RS Components			COSHH36	06/02/2024	
Substance Name	Usage	Site(s) where Used	Supplier	Hazard Numbers	Precautionary Numbers	Associated Risk Assessment(s)	Last Saved Date	Hazard Icons
Screen wash	Glass Cleaner	Units 1&2 Pelham Industrial Estate	Local Garage	H226	P102, P210, P233, P240, P241, P242, P243, P280, P303+361+353, P370+378, P403+235, P501	COSH005	27/07/2021	
SPEAR & JACKSON MOSSGONE	Garden Moss cleaner	Main Site	N/A	H226, H312, H314	P102, P270, P273, P280, P501	COSHH84	13/03/2025	
Surf Professional	Laundry detergent	Main Site	Asda	H319	P101, P102	COSHH50	04/09/2024	
Tetrafluoroboric acid	For ICP	Main Site	YourLab	H314, H360	P280, P310, P301+330+331, P303+361+353,	COSHH030	19/09/2023	

Site Condition Report Stage 1-3

					P305+351+338			
VINYL SILK PURE BRILLIAN T WHITE PAINT	General office wall painting	Main Site	Dulux Trade		P101, P102, P262, P312, P501	COSHH41	24/05/2024	
Vytac ACX Powder	For use in laboratory in neutralising acid spillages	Main Site	ZORO	H302, H315, H319	P102, P260, P262, P271, P280, P301+310, P305+351+338	COSHH034	22/09/2023	
Substance Name	Usage	Site(s) where Used	Supplier	Hazard Numbers	Precautionary Numbers	Associated Risk Assessment(s)	Last Saved Date	Hazard Icons
WD-40 Specialist Contact Cleaner – Quick Drying 500ml	Isolate all electricity and allow hot surfaces to cool. Make sure all stored power is drained from the system. Shake well before use. Hold can 15cm to 20cm away from the surface and spray directly onto the	Brand Site	Local Garage	H222, H304, H315, H336, H410, H229	P210, P211, P251, P261, P264, P271, P273, P280	COSHH87	30/07/2025	

Site Condition Report Stage 1-3

	electronic device or circuit board to eliminate and remove contaminants that may cause loss of electrical contact. Tilt the surface while cleaning and allow any excess cleaner to run off. Allow the product to dry completely and thoroughly vent the system before restoring power.							
Weedol	outdoor weed killer	Brand Site	B&Q			COSHH86	13/05/2025	
White Lithium Grease Spray	Lubricant	Main Site	Local Garage	H336, H229	P101, P210, P312, P405, P501	COSHH42	08/07/2024	
Zoflora Concentrated Disinfect	Household disinfectant.	Units 1&2 Pelham Industrial Estate	Asda	H225, H315, H317, H319, EUH208, H412	P102, P210, P280, P305+351+338, P337+313, P501	COSHH013	27/08/2021	

Site Condition Report Stage 1-3

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4.0 Stage 2 Identify relevant hazardous substances

Stage 2 of the assessment is to identify substances which are Relevant Hazardous Substances or substances with pollution potential.

If the hazardous substances are capable of contaminating soil or groundwater they are called relevant hazardous substances.

For stage 2, a review of the chemical and physical properties of each substance by assessing the:

- physical state – solid, liquid or gas
- solubility
- toxicity
- mobility
- persistence - for example, degradation rates, breakdown products and the potential for bio-accumulation
- biodegradability

Information on the physical and chemical properties has been found in:

- material safety data sheets
- the [eChemPortal](#)

A Stage 3 assessment must be carried out if identified relevant hazardous substances.

5.0 Stage 3 Assessment of site-specific pollution possibility

Stage 3 is the assessment of the site-specific pollution possibility for the relevant substances identified in Stage 2.

A substance may be considered to be of concern where:

- The substance is a Relevant Hazardous Substance;
- The substance is highly toxic and persistent and if released, even in small quantities, could result in a pollution risk and;
- The substance is relatively benign, although the quantity managed is such that the effect of a catastrophic leak could result in a pollution risk:
- Numerous small, seemingly insignificant drips or leaks have occurred over a long period of time and may have resulted in an accumulation of the substance in the environment;
- There is insufficient information on which to determine the potential risks.

A substance may be considered *not* to be of concern where:

- The substance is highly toxic and persistent but used/stored in such small quantities that it could never enter the environment (even on a cumulative basis) at levels which could result in a pollution risk;
- The substance is highly toxic and a pollution risk if released, however the operator has sufficient measures in place to ensure it could never be released;
- Large quantities of a non-hazardous substance are used, but even if there were a catastrophic leak it could not result in a pollution risk or the site being in an unsatisfactory state.

The substances (and groups of substances based on physico-chemical properties) used and stored (including temporary storage) at the Installation that are identified in Stage 2 as a relevant Hazardous Substances or substances with pollution potential (i.e. relevant substance) do not require further assessment.

Upon review of the substances/products used on site or produced from site activities quantities are in such small quantities or are contained within a building in appropriate bunding and containment no further assessment is required.

6.0 Statement of the Site Condition

No historic sources of contamination have been identified in the SCR (Appendix 1). The areas proposed for inclusion are considered to be of a satisfactory state based on the desk study above.

No known incidents appear to have taken place in the area proposed to be included within the permit boundary. It is considered that the majority of the proposed area to be included within the permit boundary has not been polluted by site activities because it has yet to be excavated and has had no permitted activities undertaken on it.

The waste types, storage and containment of pollutants have been identified in this report. Suitable containment for storage of substances has been implemented reducing the pollution risk from these substances. The substances that are stored within the proposed area to be included within the permit boundary do not pose a pollution potential due to the containment measures in place.

7.0 Conclusion – Baseline Sampling Plan

SAR will conduct sampling every 5 yrs for Groundwater and soil to assess the impact of site activities on land and water.

Appendix 1 – Site Condition Report – Baseline and Groundsure



OLIVE
Compliance

SITE CONDITION REPORT

SAR Metals Ltd

3 Manby Road

South Killingholme

Immingham

DN40 3DX

SITE CONDITON REPORT (SCR)

Issue and Revision Record

Revision	Date	Originator	Description of Change
V1	01/01/2025	Olive Compliance Ltd	New - Permit Application 2025



SITE CONDITION REPORT (SCR)

BASIS OF REPORT

This report has been prepared by Olive Compliance Ltd with all reasonable skill, care and diligence, and taking account of the manpower and resources devoted to it by agreement with the client. Information reported herein is based on the interpretation of data collected and has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of SAR Metals Ltd; no warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from Olive Compliance Ltd.

Olive Compliance Ltd disclaims any responsibility to the client and others in respect of any matters outside the agreed scope of the work.

Information reported herein may be based on the interpretation of public domain data collected by Olive Compliance Ltd, and/or information supplied by the Client and/or its other advisors and associates. The data has been accepted in good faith as being accurate and valid.

The copyright and intellectual property in all drawings, reports, specifications, bills of quantities, calculations and other information set out in this report remain vested in Olive Compliance Ltd unless the terms of appointment state otherwise.



SITE CONDITION REPORT (SCR)

This report has been produced on the behalf of SAR Metals Ltd.

This document represents the Site Condition Report (SCR) submitted as part of the Application package to the Environment Agency. and has relied on information supplied by the site and various third party information sources.

The material processing facility ('the Site') is located at 3 Manby Road, South Killingholme, Immingham, DN40 3DX.

1.0 SITE DETAILS	
Name of the applicant	SAR Metals Ltd
Activity address	3 Manby Road, South Killingholme, Immingham, DN40 3DX
National grid reference	TA 18610 15493

Document reference and dates for Site Condition Report at permit application and surrender	V1 New for permit application
Document reference for site plans (including location and boundaries)	Drawing 001 Location Plan Drawing 002 Permitted Area

2.0 CONDITION OF THE LAND	
Environment setting including: • Geology • Hydrology • Surface waters	Site Location and current use Image 1 below shows the site and its immediate location.



SITE CONDITON REPORT (SCR)

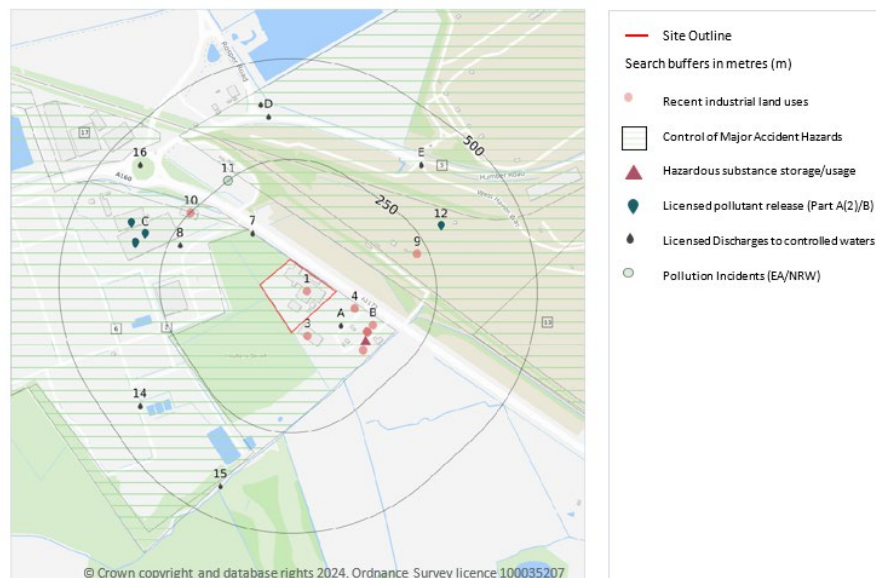


Image 2 below defines the site area and building ariel layout.



SITE CONDITON REPORT (SCR)

Image 3 below identifies the sites current use and industrial features.



Infrastructure

The site is made up of a large industrial factory building to be split into separate waste activities by activity sector with one additional external building located within the footprint of the site.

There is no high voltage underground electricity transmission cable within 500m of the site.

There are no high-pressure underground gas transmission pipelines within 500m of the site.

Checks made for sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER) record none within 500m.

Geology, Hydrogeology and Surface Waters

Desk-based research of the local geology, hydrogeology and surface waters has been carried out in order to establish the potential for migration of contamination onto or away from the Site, and to assess the surface water and groundwater sensitivity of the Site area. Information was obtained from a number of sources, namely:

- Environment Agency Flood Risk Map;
- Information provided by Groundsure Report (Annex C).
- Geological maps produced by the British Geological Survey (BGS) and the BGS Geology of Britain Viewer (<http://maps.bgs.ac.uk/geologyviewer>).
- MAGIC <http://magic.defra.gov.uk>



SITE CONDITION REPORT (SCR)

Geology

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.

Superficial Deposit

Till, Devensian - Diamicton. Sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

Bedrock

Burnham Chalk Formation - Chalk. Sedimentary bedrock formed between 93.9 and 83.6 million years ago during the Cretaceous period.

Summary Classification: Secondary superficial aquifer

High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer

Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

Radon

According to data issued by the National Radiological Protection Board (NRPB) in 2002 (now the Health Protection Agency), the site is located in an area that is in a lower probability radon area, as less than 1% of homes are above the action level. No radon protection measures would be considered necessary.

The site is not located in an area that might be affected by coal mining.

Hydrogeology

The site is not located within Source Protection Zone (SPZ).

The groundwater vulnerability at the site is not classified.

The site is not located within a Nitrate Vulnerable Zone (NVZ).

The site is considered to be situated in an area of low sensitivity with respect to groundwater resources, despite its setting upon two aquifers. This is due to the lack of groundwater abstractions within



SITE CONDITON REPORT (SCR)

2km, it not being within a SPZ and the overlying Made Ground and superficial deposits being cohesive in nature.

Surface Water

The nearest surface water feature is a number of unnamed tributaries located within m of the site. These feed into the River Humber.

Flood Risk

According to the Flood Map ([Your long term flood risk assessment - Check your long term flood risk - GOV.UK \(check-long-term-flood-risk.service.gov.uk\)](#) accessed Dec2025, the site has a very low risk of flooding from Rivers and Seas and surface waters.

Flooding from groundwater and reservoirs is also a classed as a very low risk.

EA Flood Risk Information Surface Water

Surface water

[More about your surface water flood risk](#)

Yearly chance of flooding

Very low

Low

Medium

High

Yearly chance of flooding between 2040 and 2060

Very low

Low

Medium

High

What surface water is

Surface water flooding is sometimes known as flash flooding. It happens when rainwater cannot drain away through normal drainage systems.

EA Flood Risk Information Rivers and Seas

Rivers and the sea

[More about your rivers and sea flood risk](#)

Yearly chance of flooding

Very low

Low

Medium

High

Yearly chance of flooding between 2036 and 2069

Very low

Low

Medium

High

What makes rivers and sea flooding more likely

Low-lying areas that are close to rivers or the sea are more likely to flood when water levels rise.

This information takes into account any flood defences.

EA Flood Risk Information Groundwater



SITE CONDITON REPORT (SCR)

Groundwater[More about your groundwater flood risk](#)

We use groundwater flood alert areas to check the risk of flooding from groundwater.

This location is outside of a groundwater flood alert area.

► [What this means](#)

What groundwater is

Groundwater is the water that is usually held in rocks and soil underground.

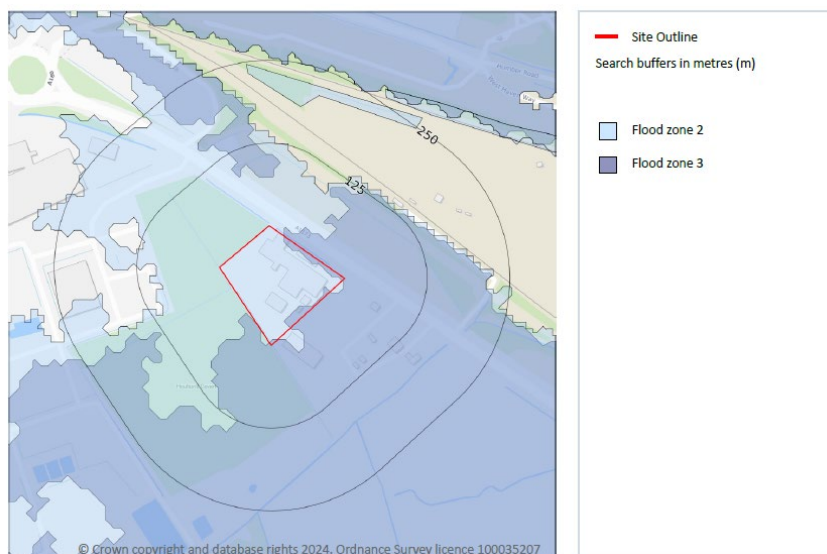
Groundwater flooding happens when this water rises and flows above the surface.

Flooding from rivers is more likely when groundwater levels are high.

Flood Risk Zones

The site is classed as being in a Flood Risk Zone 2¹.

Image 13 – Flood Risk Zones (SAR)



In support of the potential risk of a flood event, a Flood Risk Assessment Plan is included within the application.

Designated Sites

Environment Agency H1 and H5 guidance states that the potential impacts of the site should be assessed for the following habitat sites within 2km of the site.

¹ Groundsure Report



SITE CONDITION REPORT (SCR)

- Sites of Special Scientific Interest (SSSI) established by the 1981 Wildlife and Countryside Act;
- Special Areas of Conservation (SACs) and candidate SACs (cSACs) designated under the EC Habitats Directive;
- Special Protection Areas (SPAs) and potential SPAs designated under the EC Birds Directive; and
- Ramsar Sites designated under the Convention of Wetlands of International Importance.
- National Nature Reserves (NNR);
- Local Nature Reserves (LNR);
- Local Wildlife Sites (LWS), County Wildlife Sites (CWS) and potential wildlife sites (PWS);
- Sites of Importance for Nature Conservation (SINC); and
- Ancient Woodland.

Protected Species - European Water Vole up to 500m from the site

Protected Habitats – Chalk Rivers and Deciduous Woodland up to 50m from the site

Information from the Multi Agency Geographic Information for the Countryside (MAGIC) website (<http://magic.defra.gov.uk/>) and the EA Screening Tool has been used to obtain the above information.

Local Receptors

The below local receptors including sensitive receptors have been identified.

Receptor	Distance	Contact
A1173	50m	Highways Agency 0300 123 5000
Woodland (Deciduous Woodland) Chalk River	50m	Natural England 0300 060 3900
Protected Habitats (Water Course)	500m	Natural England 0300 060 3900
Oxbow Uk	1km	01469 577635
Immington West Fire station	488m	01482 565333
Humber Refinery	155m	01469573186



SITE CONDITION REPORT (SCR)

	The Canon Peter Hall CofE Primary School	730m	01469510300
	Aldi	700m	08000420800
	<u>AQMA</u> The site is located within an Air Quality Management Area for PM10 approximately 2km from the site which have subsequently been revoked. The facility has no environmental emissions to land or controlled waters and minimal emission to atmosphere and therefore it is the conclusion of this assessment that there will be no direct or indirect effects on any of the statutory sites described above.		
Pollution history including: • Pollution incidents that may have affected land • Historical land uses and associated contamination • Any visual/olfactory evidence of existing contamination	<u>Environmental Database Records</u> The following information has been obtained from a search of a publicly available database of environmental information (Groundsure Report, provided in Annex C). The database contains records of information from public registers held by environmental regulatory authorities and can be used to assess the site's sensitivity, the potential for neighbouring activities to pose a risk to the site and to determine whether specific records of pollution relate to the subject site. <u>Pollution Incidents</u> Checks have been made in relation to records of substantiated pollution incidents. There is only one historic pollution incident recorded within 500m of the site. 11 250m NW Incident Date: 30/09/2002 Incident Identification: 111635 Pollutant: Oils and Fuel Pollutant Description: Diesel Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)		



SITE CONDITON REPORT (SCR)

<u>Landfill</u>				
There are 3 historical landfills recorded within 500m of the site.				
ID	Location	Details		
B	180m N	Site Address: Landfill Site - South	Waste Licence: Yes	Operator: Landfill Site - South
		Killingholme, Humber Road,	Site Reference: -	Killingholme
		Grimsby, Lincolnshire	Waste Type: Industrial	Licence Holder: Landfill Site - South
		Licence Holder Address: Moody	Environmental Permitting	Killingholme
		Lane, Grimsby, Lincolnshire	Regulations (Waste) Reference:	First Recorded -
			YP2/L/POR001	Last Recorded: -
			Licence Issue: 08/10/1991	
			Licence Surrender: 06/11/2007	
1	263m W	Site Address: Conoco, Killingholme	Waste Licence: Yes	Operator: -
		Licence Holder Address: -	Site Reference: 55/19/0148, 1480,	Licence Holder: -
			2000/5296	First Recorded 31/07/1975
			Waste Type: Industrial, Liquid sludge	Last Recorded: -
			Environmental Permitting	
			Regulations (Waste) Reference: -	



SITE CONDITON REPORT (SCR)

		Licence Issue: 10/12/1987	
		Licence Surrender: -	
2	274m SW	Site Address: Conoco, Killingholme	Waste Licence: Yes Operator: Conoco
		Licence Holder Address: -	Licence Holder: -
		Site Reference: 55/19/0148, 1480,	First Recorded 30/06/1975
		2000/5295	
		Waste Type: Industrial, Liquid sludge	Last Recorded: -
		Environmental Permitting Regulations (Waste) Reference: -	
		Licence Issue: 18/12/1987	
		Licence Surrender: -	
		 — Site Outline Search buffers in metres (m) Historical landfill (EA/NRW) Licensed waste sites Waste exemptions © Crown copyright and database rights 2024. Ordnance Survey licence 100035207	



SITE CONDITON REPORT (SCR)

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

Checks made on the EA public register identifies the below waste facilities and installations within 1km of the site.

Waste Sites and Installation Facilities within 1km of the Site				
Company / Location	Distance and Direction	Permit Number	Activity	Status
Donald Ward	0.3km	WE0282AC	Scrap Metal Recycling	Active
PHILLIPS 66 LIMITED	0.8km	YP3995NG	Biological Treatment	Active
CPL PRODUCTS LIMITED	0.8km	EPR/DP3134LK	Pyrolysis /Coal Treatment	Active – Installation

Discharge Consents

There are 13 Licensed Discharge Consents within 500 m of the site.

Abstractions

There are 24 Licensed Water Discharge Abstractions within 2km of the site. There are no abstractions within 500m of the site.

Historical Land Uses

Available historic maps for the site have been reviewed to determine if there is the potential for contamination to be present on Site associated with the Sites historical uses.

Historic mapping provided in the Groundsure report (Appendix C) also Support previous land use.

A summary of the historical development of the Site and surroundings is included below:



SITE CONDITON REPORT (SCR)

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Works	1983	
20020513				
A	34m N	Unspecified Commercial/Industrial	1947	2025178
A	34m N	Dock	1947	2030354
A	34m N	Railway Sidings	1938 - 1947	2030791
B	71m SE	Unspecified Depot	1974 - 1983	2032463
A	97m NE	Docks	1951	2030397
A	103m NE	Dock	1968	2027074
A	115m NE	Railway Sidings	1972 - 1974	2026332
A	115m NE	Railway Sidings	1983	2030201
A	122m NE	Railway Sidings	1951 - 1952	2033094
C	128m NE	Railway Sidings	1968	2021079
C	135m NE	Railway Sidings	1930	2032808
2	146m N	Docks	1974 - 1983	2031749
3	180m NW	Unspecified Depot	1974 - 1983	2028359
5	416m W	Unspecified Commercial/Industrial	1974 - 1983	2032880
E	418m NW	Unspecified Depot	1974	2018914
E	418m NW	Unspecified Warehouses	1983	2019352
6	425m W	Unspecified Tanks	1983	2019754
7	469m NE	Electric Substation	1983	2017452



SITE CONDITION REPORT (SCR)

	F 482m W	Unspecified Tanks	1974 - 1983	2022639
	9 491m NE	Ore Terminal	1974 - 1983	2024993
<u>Site Reconnaissance</u> Visual/Olfactory Evidence of Existing Contamination - All areas of the site have been subject to a visual inspection at the time of this application by Olive Compliance Ltd. This was undertaken on the 1st May 2024 with the storage area empty and the warehouse being cleared by the current occupants for the resale process. All aspects of the installation boundary have been inspected. External hard standing around the site was observed to be in good condition. Internal surfaces around the site were observed to be in good condition. Apart from the above, at the time of the site walkover, there was no sign of any potentially contaminative uses or visual contamination (see site images Appendix A and B). Since 1947 the site has been used for industrial purposes.				
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	No records			
Baseline soil and groundwater reference data	Non available			



SITE CONDITION REPORT (SCR)

Supporting
information

See Groundsure Report (Appendix C)

3.0 PERMITTED ACTIVITIES**Permitted
activities****Description of the Process**

The Installation is comprised of:

- A one large industrial unit, sectioned off, which will house three separate waste activities (catalytic converter recycling, WEEE recycling)
- One external building for the acceptance, sorting and future proposed treatment of Lead acid batteries (Building 3).
- An external yard made up of hard standing which will be used for the storage of clean and uncontaminated metals, bulk batteries and waste created on site.

The activities will meet the definition of an '*Installation*' by virtue of Schedule 1:

The process is permitted by the Environment Agency as a Part A(1) Installation and will be operated in accordance with the Environmental Permitting (England and Wales) (Amendment) Regulations 2018.

Planning Permission

Planning history is detailed in Appendix D of this report.

Substances Used at the Installation**Chemical and Hazardous Materials Summary**

Material	Nature of storage	Location	Fate
Hydraulic Oils	Bunded 1110lt IBC	External	Consumed within plant
Oils, Grease, Lubricants	Small quantities (<10 m3 per	Internal	Consumed within plant



SITE CONDITION REPORT (SCR)

	annum) stored within internal bunded area		All waste oils disposed of site to appropriately qualified contractor.
Diesel	5,000 litre Self bunded tank	External	Consumed within mobile plant

Waste

The facility will not inherently produce significant quantities of waste due to the strict specification for recovered materials on site. Domestic wastes and welfare facilities will be appropriately segregated for offsite recycling or disposal. The table below outlines expected type of product / waste produced by the installation.

Waste	Source	R / D Code	Environmental Fate
General waste (Food waste/Packaging/)	Welfare/Office	R5(Off site recycling)	Exported off site for further processing
Package site (Plastic/wood/)	Waste receipt and storage (pallets/packaging)	R5(Off site recycling)	Exported off site for further processing
Reject Materials	Supplier	R5 (Off site recycling) D1 (disposal)	Exported off site for further processing /or disposal
Electrical wastes	Office/Plant generated	R5(On or Off site recycling)	Recovered on site or Exported off site for further processing

Drainage Systems

There are no process effluents produced from the site's activities. The



SITE CONDITION REPORT (SCR)

entire site is located on impermeable concrete surfacing internally and hard standing externally for clean and uncontaminated metals. All recovery take place internally within the building, which is curbed and self-bunded.

There is no internal drainage within each waste storage and treatment buildings.

Uncontaminated surface water run-off (e.g. from roofs) discharges via a separate surface water drainage system off site.

Any spillages, leaks or incidents arising onsite will be effectively contained and captured in accordance with the sites spill response procedure, utilising spill kits which will be strategically located around the site. Any spillages / leaks etc. would be of small volume and be non-hazardous in their nature.

In the event of a fire, any contaminated firewater would be captured within the buildings prior to transport offsite for appropriate disposal.

Storage Tanks

All storage tanks will be installed with secondary containment and be designed to comply with the following standards and guidance requirements:

- Environment Agency Pollution Prevention Guideline Note 2: Above Ground Oil Tanks (PPG2);
- Environment Agency Pollution Prevention Guideline Note 11: Preventing Pollution on Industrial Sites (PPG11);
- Environment Agency Pollution Prevention Guideline Note 26: Pollution Prevention in the Storage and Handling Drums and Intermediate Bulk Containers (IBC's);
- CIRIA C958: Chemical Storage Tank Systems – Good Practice; and
- CIRIA 738: Design of Containment Systems for the Prevention of Water Pollution from Industrial Sites.

Potential for Fugitive Releases to Soil, Groundwater and Surface Water

The materials and substances arising from the site are not considered to have significant potential to cause ground or groundwater contamination under general storage or operating procedures.

The following measures have been incorporated into the design of the new



SITE CONDITION REPORT (SCR)

	activity to protect groundwater and soil from installation substances: • All treatment and waste storage operations take place internally; • Emergency Spill kits will be provided throughout the site and strategically placed in locations; • There will be no subsurface infrastructure used for the storage or transfer of hazardous waste; and When constructed and operated in the manner described above the proposed operations will not introduce any sub surface or potentially polluting activities to the site. <u>Based on this assessment, the potential for the facility to impact on soil and groundwater underlying the installation is considered to be low.</u>
Non-permitted activities	Not applicable
Document references for: • Plan showing activity • Environmental risk assessment.	See Drawing 002 Permit Boundary See Drawing 004 Receptor Plan See ERA_SAR



Appendix A - Site Photos 01/05/2024



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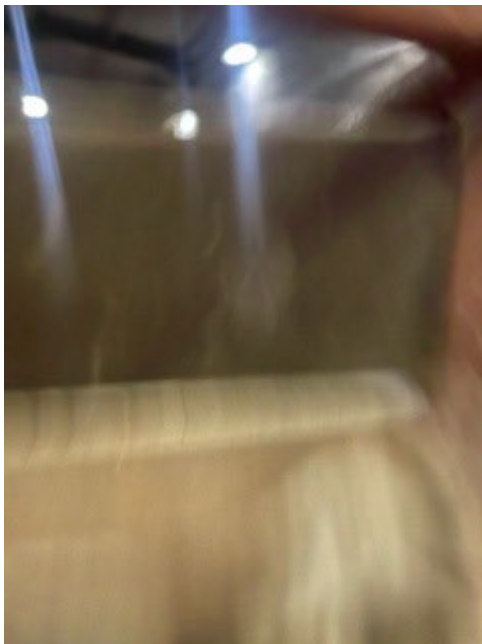
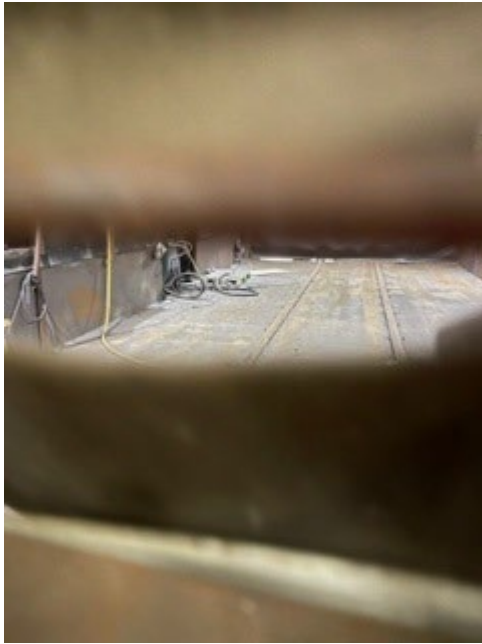
Appendix A - Site Photos 01/05/2024



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Appendix A - Site Photos 01/05/2024



Appendix A - Site Photos 01/05/2024













































Appendix B - Site Images 10.02.2025



Appendix B - Site Images 10.02.2025



Appendix B - Site Images 10.02.2025



Appendix B - Site Images 10.02.2025



SAR METALS, UNIT 3, MANBY ROAD, SOUTH KILLINGHOLME, NORTH LINCOLNSHIRE, DN40 3DX

Order Details

Date: 13/12/2024
Your ref: PO21
Our Ref: GS-8OV-UZ4-RUJ-V9G

Site Details

Location: 517387 416279
Area: 1.71 ha
Authority: [North Lincolnshire Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 8 >](#)

[OS MasterMap site plan](#)

[p.13 >](#)

[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
14 >	1.1 >	Historical industrial land uses >	1	3	10	7	-
15 >	1.2 >	Historical tanks >	0	0	2	2	-
16 >	1.3 >	Historical energy features >	0	0	3	3	-
16	1.4	Historical petrol stations	0	0	0	0	-
16	1.5	Historical garages	0	0	0	0	-
17	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
18 >	2.1 >	Historical industrial land uses >	1	4	13	10	-
19 >	2.2 >	Historical tanks >	0	0	2	2	-
20 >	2.3 >	Historical energy features >	0	0	5	6	-
20	2.4	Historical petrol stations	0	0	0	0	-
20	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
21	3.1	Active or recent landfill	0	0	0	0	-
21	3.2	Historical landfill (BGS records)	0	0	0	0	-
22	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
22 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	2	-
23	3.5	Historical waste sites	0	0	0	0	-
23 >	3.6 >	Licensed waste sites >	0	0	2	1	-
24 >	3.7 >	Waste exemptions >	0	4	0	4	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
25 >	4.1 >	Recent industrial land uses >	1	1	8	-	-
26	4.2	Current or recent petrol stations	0	0	0	0	-
26	4.3	Electricity cables	0	0	0	0	-
26	4.4	Gas pipelines	0	0	0	0	-
26	4.5	Sites determined as Contaminated Land	0	0	0	0	-



26 >	4.6 >	Control of Major Accident Hazards (COMAH) >	1	0	2	2	-
27	4.7	Regulated explosive sites	0	0	0	0	-
27 >	4.8 >	Hazardous substance storage/usage >	0	0	1	0	-
28	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
28	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
28 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	4	-
28	4.12	Radioactive Substance Authorisations	0	0	0	0	-
29 >	4.13 >	Licensed Discharges to controlled waters >	0	0	4	9	-
30	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
31	4.15	Pollutant release to public sewer	0	0	0	0	-
31	4.16	List 1 Dangerous Substances	0	0	0	0	-
31	4.17	List 2 Dangerous Substances	0	0	0	0	-
31 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	1	0	-
31	4.19	Pollution inventory substances	0	0	0	0	-
32	4.20	Pollution inventory waste transfers	0	0	0	0	-
32	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
33 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
34 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
35 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
36	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
36	5.5	Groundwater vulnerability- local information	None (within 0m)				
37 >	5.6 >	Groundwater abstractions >	0	0	0	0	24
41 >	5.7 >	Surface water abstractions >	0	0	0	0	1
42	5.8	Potable abstractions	0	0	0	0	0
42 >	5.9 >	Source Protection Zones >	1	0	0	1	-
42	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
43 >	6.1 >	Water Network (OS MasterMap) >	1	2	31	-	-



46 >	6.2 >	Surface water features >	1	3	19	-	-
46 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
46 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
47 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
48 >	7.1 >	Risk of flooding from rivers and the sea >	Very Low (within 50m)				
49 >	7.2 >	Historical Flood Events >	0	0	1	-	-
49	7.3	Flood Defences	0	0	0	-	-
49	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
49	7.5	Flood Storage Areas	0	0	0	-	-
50 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
50 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding					
52	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
53 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
54 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	1
55 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	2
59 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
59 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	1
60	10.5	National Nature Reserves (NNR)	0	0	0	0	0
60	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
60	10.7	Designated Ancient Woodland	0	0	0	0	0
60	10.8	Biosphere Reserves	0	0	0	0	0
60	10.9	Forest Parks	0	0	0	0	0
61	10.10	Marine Conservation Zones	0	0	0	0	0
61	10.11	Green Belt	0	0	0	0	0
61	10.12	Proposed Ramsar sites	0	0	0	0	0



61	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
61	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
62	10.15	Nitrate Sensitive Areas	0	0	0	0	0
62 >	10.16 >	Nitrate Vulnerable Zones >	2	0	2	0	0
63 >	10.17 >	SSSI Impact Risk Zones >	2	-	-	-	-
65 >	10.18 >	SSSI Units >	0	0	0	0	4
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
72	11.1	World Heritage Sites	0	0	0	-	-
72	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
72	11.3	National Parks	0	0	0	-	-
72	11.4	Listed Buildings	0	0	0	-	-
73	11.5	Conservation Areas	0	0	0	-	-
73	11.6	Scheduled Ancient Monuments	0	0	0	-	-
73	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
74 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
75	12.2	Open Access Land	0	0	0	-	-
75	12.3	Tree Felling Licences	0	0	0	-	-
75 >	12.4 >	Environmental Stewardship Schemes >	0	0	1	-	-
75 >	12.5 >	Countryside Stewardship Schemes >	0	0	2	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
77 >	13.1 >	Priority Habitat Inventory >	1	1	2	-	-
78	13.2	Habitat Networks	0	0	0	-	-
78 >	13.3 >	Open Mosaic Habitat >	0	0	1	-	-
78	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
79 >	14.1 >	10k Availability >	Identified (within 500m)				
80	14.2	Artificial and made ground (10k)	0	0	0	0	-
81	14.3	Superficial geology (10k)	0	0	0	0	-

81	14.4	Landslip (10k)	0	0	0	0	-
82	14.5	Bedrock geology (10k)	0	0	0	0	-
82	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
83 >	15.1 >	50k Availability >	Identified (within 500m)				
84 >	15.2 >	Artificial and made ground (50k) >	0	0	1	0	-
84	15.3	Artificial ground permeability (50k)	0	0	-	-	-
85 >	15.4 >	Superficial geology (50k) >	1	1	0	0	-
86 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
86	15.6	Landslip (50k)	0	0	0	0	-
86	15.7	Landslip permeability (50k)	None (within 50m)				
87 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
87 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
88	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
89 >	16.1 >	BGS Boreholes >	0	0	1	-	-
Page	Section	Natural ground subsidence >					
90 >	17.1 >	Shrink swell clays >	Low (within 50m)				
91 >	17.2 >	Running sands >	Moderate (within 50m)				
92 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
93 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
94 >	17.5 >	Landslides >	Low (within 50m)				
95 >	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
96	18.1	BritPits	0	0	0	0	-
96 >	18.2 >	Surface ground workings >	0	2	4	-	-
97	18.3	Underground workings	0	0	0	0	0
97	18.4	Underground mining extents	0	0	0	0	-
97	18.5	Historical Mineral Planning Areas	0	0	0	0	-



97	18.6	Non-coal mining	0	0	0	0	0
98	18.7	JPB mining areas	None (within 0m)				
98	18.8	The Coal Authority non-coal mining	0	0	0	0	-
98	18.9	Researched mining	0	0	0	0	-
98	18.10	Mining record office plans	0	0	0	0	-
98	18.11	BGS mine plans	0	0	0	0	-
99	18.12	Coal mining	None (within 0m)				
99	18.13	Brine areas	None (within 0m)				
99	18.14	Gypsum areas	None (within 0m)				
99	18.15	Tin mining	None (within 0m)				
99	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
100	19.1	Natural cavities	0	0	0	0	-
100	19.2	Mining cavities	0	0	0	0	0
100	19.3	Reported recent incidents	0	0	0	0	-
100	19.4	Historical incidents	0	0	0	0	-
101	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
102 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	3	-	-	-
103	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
103	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
104	22.1	Underground railways (London)	0	0	0	-	-
104	22.2	Underground railways (Non-London)	0	0	0	-	-
105	22.3	Railway tunnels	0	0	0	-	-
105 >	22.4 >	Historical railway and tunnel features >	0	1	11	-	-
105	22.5	Royal Mail tunnels	0	0	0	-	-

106	22.6	Historical railways	0	0	0	-	-
<u>106</u> >	<u>22.7</u> >	<u>Railways</u> >	0	0	22	-	-
107	22.8	Crossrail 2	0	0	0	0	-
107	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 11/04/2022

Site Area: 1.71ha



Recent site history - 2019 aerial photograph



Capture Date: 17/09/2019

Site Area: 1.71ha



Recent site history - 2014 aerial photograph



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

Capture Date: 27/09/2014

Site Area: 1.71ha



Recent site history - 2007 aerial photograph



Capture Date: 27/08/2007

Site Area: 1.71ha



Recent site history - 1999 aerial photograph

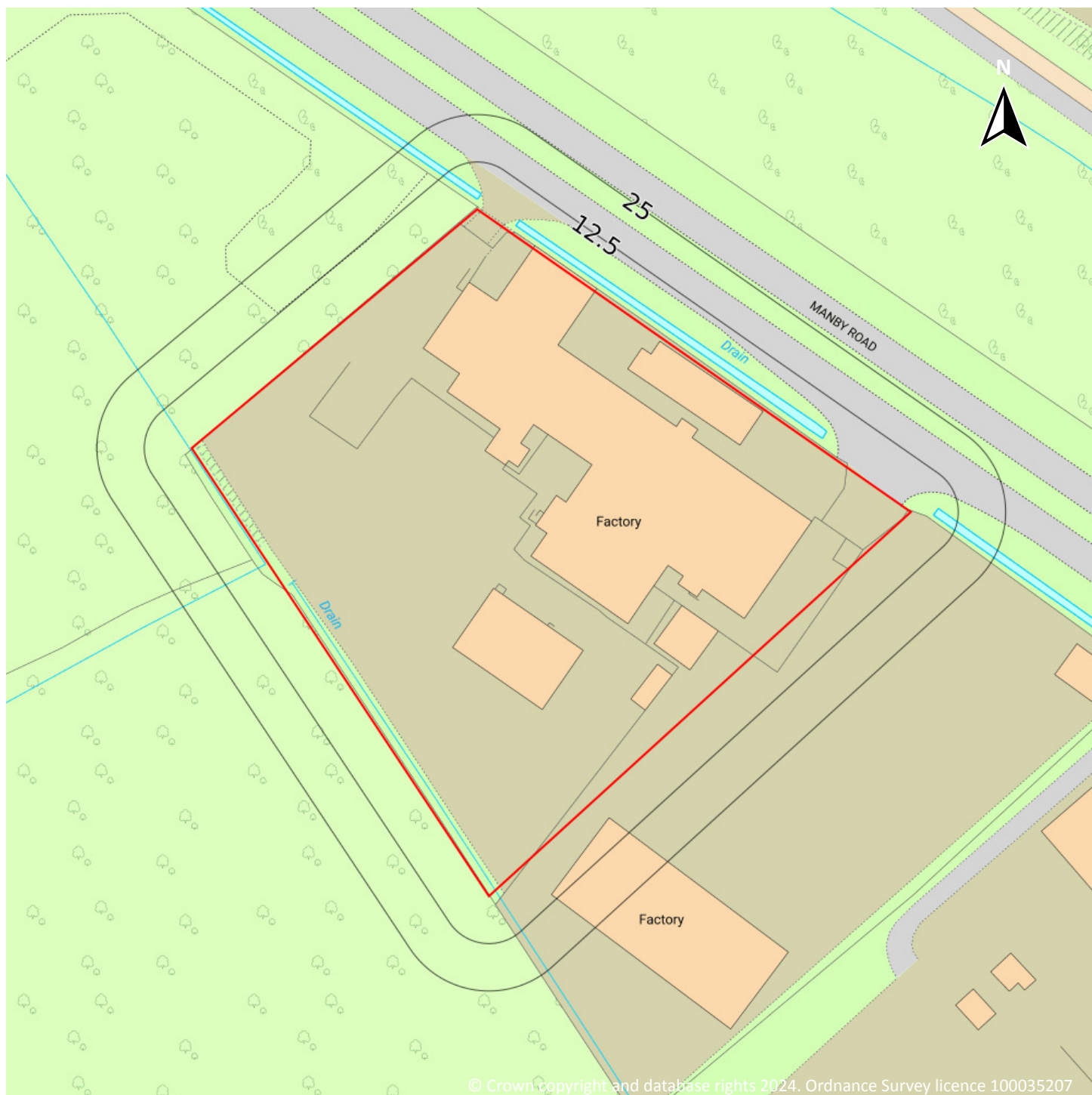


Capture Date: 29/04/1999

Site Area: 1.71ha



OS MasterMap site plan

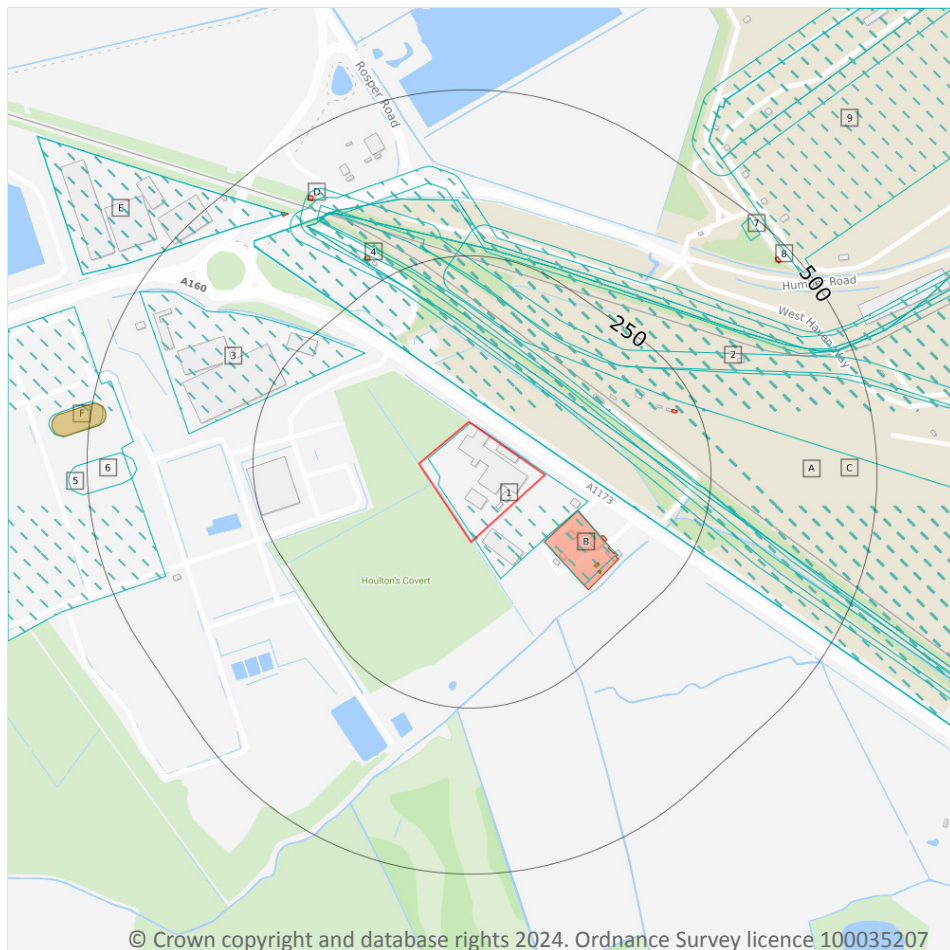


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Site Area: 1.71ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

21

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Works	1983	2020513



ID	Location	Land use	Dates present	Group ID
A	34m N	Unspecified Commercial/Industrial	1947	2025178
A	34m N	Dock	1947	2030354
A	34m N	Railway Sidings	1938 - 1947	2030791
B	71m SE	Unspecified Depot	1974 - 1983	2032463
A	97m NE	Docks	1951	2030397
A	103m NE	Dock	1968	2027074
A	115m NE	Railway Sidings	1972 - 1974	2026332
A	115m NE	Railway Sidings	1983	2030201
A	122m NE	Railway Sidings	1951 - 1952	2033094
C	128m NE	Railway Sidings	1968	2021079
C	135m NE	Railway Sidings	1930	2032808
2	146m N	Docks	1974 - 1983	2031749
3	180m NW	Unspecified Depot	1974 - 1983	2028359
5	416m W	Unspecified Commercial/Industrial	1974 - 1983	2032880
E	418m NW	Unspecified Depot	1974	2018914
E	418m NW	Unspecified Warehouses	1983	2019352
6	425m W	Unspecified Tanks	1983	2019754
7	469m NE	Electric Substation	1983	2017452
F	482m W	Unspecified Tanks	1974 - 1983	2022639
9	491m NE	Ore Terminal	1974 - 1983	2024993

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

4

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'.

Features are displayed on the Past land use map on [page 14 >](#)



ID	Location	Land use	Dates present	Group ID
B	151m SE	Unspecified Tank	1973	349109
B	161m SE	Unspecified Tank	1982	349107
4	287m NW	Unspecified Tank	1982	349471
F	477m W	Tanks	1973	348460

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	6
----------------------------	----------

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
B	73m E	Liquid Gas Depot	1973	240395
B	125m SE	Electricity Substation	1973 - 1982	242226
A	213m E	Electricity Substation	1973 - 1982	242478
D	408m NW	Electricity Substation	1973 - 1982	242842
D	415m NW	Electricity Substation	1973 - 1982	241164
8	475m NE	Electricity Substation	1973 - 1982	243398

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

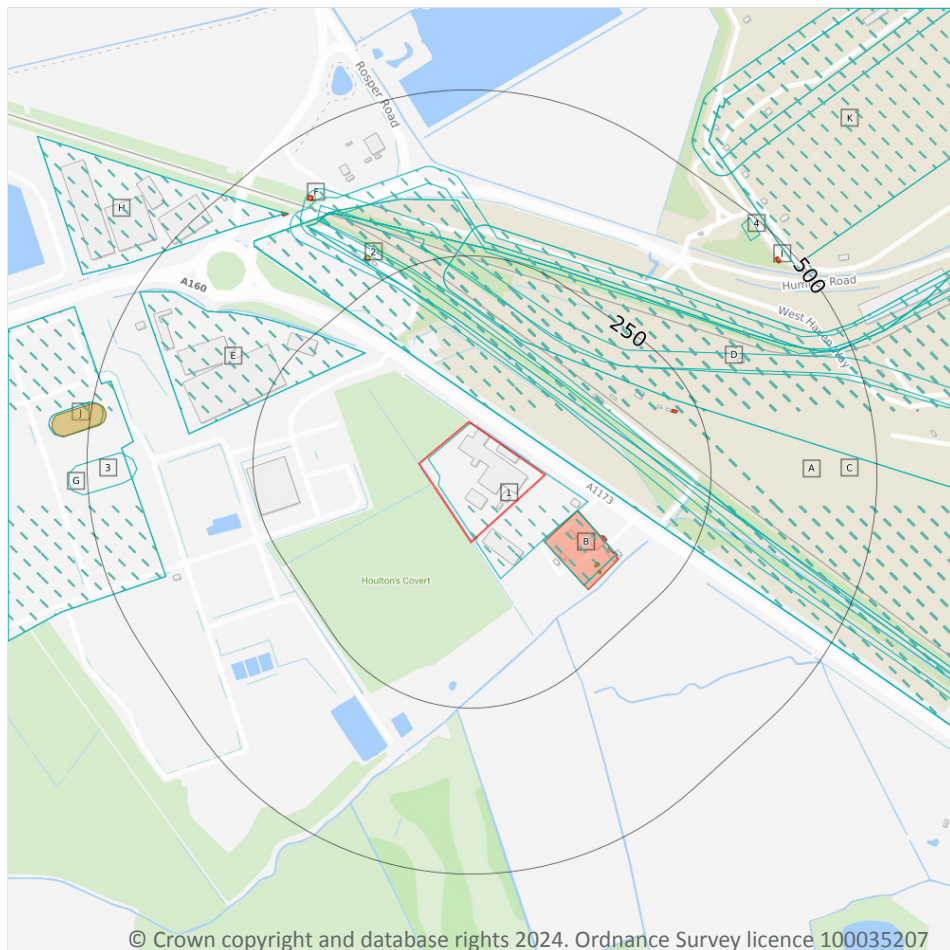
0

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 tanks
- Historical energy features

2.1 Historical industrial land uses

Records within 500m

28

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 18](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Works	1983	2020513
A	34m N	Dock	1947	2030354
A	34m N	Unspecified Commercial/Industrial	1947	2025178



ID	Location	Land Use	Date	Group ID
A	34m N	Railway Sidings	1947	2030791
A	34m N	Dock	1947	2030354
B	71m SE	Unspecified Depot	1974	2032463
B	71m SE	Unspecified Depot	1983	2032463
A	97m NE	Docks	1951	2030397
A	103m NE	Dock	1968	2027074
A	115m NE	Railway Sidings	1974	2026332
A	115m NE	Railway Sidings	1983	2030201
A	122m NE	Railway Sidings	1951	2033094
C	128m NE	Railway Sidings	1968	2021079
C	135m NE	Railway Sidings	1930	2032808
D	146m N	Docks	1974	2031749
D	146m N	Docks	1983	2031749
E	180m NW	Unspecified Depot	1974	2028359
E	180m NW	Unspecified Depot	1983	2028359
G	416m W	Unspecified Commercial/Industrial	1974	2032880
G	416m W	Unspecified Commercial/Industrial	1983	2032880
H	418m NW	Unspecified Depot	1974	2018914
H	418m NW	Unspecified Warehouses	1983	2019352
3	425m W	Unspecified Tanks	1983	2019754
4	469m NE	Electric Substation	1983	2017452
J	482m W	Unspecified Tanks	1974	2022639
J	482m W	Unspecified Tanks	1983	2022639
K	491m NE	Ore Terminal	1974	2024993
K	491m NE	Ore Terminal	1983	2024993

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

4

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'.

Features are displayed on the Past land use - un-grouped map on [page 18 >](#)

ID	Location	Land Use	Date	Group ID
B	151m SE	Unspecified Tank	1973	349109
B	161m SE	Unspecified Tank	1982	349107
2	287m NW	Unspecified Tank	1982	349471
J	477m W	Tanks	1973	348460

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

11

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 18 >](#)

ID	Location	Land Use	Date	Group ID
B	73m E	Liquid Gas Depot	1973	240395
B	125m SE	Electricity Substation	1982	242226
B	128m SE	Electricity Substation	1973	242226
A	213m E	Electricity Substation	1982	242478
A	214m E	Electricity Substation	1973	242478
F	408m NW	Electricity Substation	1973	242842
F	409m NW	Electricity Substation	1982	242842
F	415m NW	Electricity Substation	1973	241164
F	416m NW	Electricity Substation	1982	241164
I	475m NE	Electricity Substation	1982	243398



ID	Location	Land Use	Date	Group ID
I	476m NE	Electricity Substation	1973	243398

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)
- Historical landfill (EA/NRW)
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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
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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	3
---------------------	---

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 21 >](#)

ID	Location	Details		
B	180m N	Site Address: Landfill Site - South Killingholme, Humber Road, Grimsby, Lincolnshire Licence Holder Address: Moody Lane, Grimsby, Lincolnshire	Waste Licence: Yes Site Reference: - Waste Type: Industrial Environmental Permitting Regulations (Waste) Reference: YP2/L/POR001 Licence Issue: 08/10/1991 Licence Surrender: 06/11/2007	Operator: Landfill Site - South Killingholme Licence Holder: Landfill Site - South Killingholme First Recorded - Last Recorded: -
1	263m W	Site Address: Conoco, Killingholme Licence Holder Address: -	Waste Licence: Yes Site Reference: 55/19/0148, 1480, 2000/5296 Waste Type: Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 10/12/1987 Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/07/1975 Last Recorded: -
2	274m SW	Site Address: Conoco, Killingholme Licence Holder Address: -	Waste Licence: Yes Site Reference: 55/19/0148, 1480, 2000/5295 Waste Type: Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 18/12/1987 Licence Surrender: -	Operator: Conoco Licence Holder: - First Recorded 30/06/1975 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m**0**

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

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

3.6 Licensed waste sites

Records within 500m**3**

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

Features are displayed on the Waste and landfill map on [page 21 >](#)

ID	Location	Details		
B	241m NE	Site Name: Landfill Site - South Killingholme Site Address: Tioxide Europe Ltd, Humber Road, Grimsby, N E Linc Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TIO003 EPR reference: EA/EPR/JP3095NJ/A001 Operator: Tioxide Europe Ltd Waste Management licence No: 70833 Annual Tonnage: 475000	Issue Date: 08/10/1991 Effective Date: - Modified: - Surrendered Date: Nov 6 2007 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
B	241m NE	Site Name: Humber Road Site Address: Humber Road, Grimsby, DN40 3DX Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 627783 EPR reference: EA/EPR/JP3095NJ Operator: Venator Materials Uk Limited Waste Management licence No: 70833 Annual Tonnage: 475000	Issue Date: 08/10/1991 Effective Date: 08/10/1991 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
C	343m E	Site Name: WARD - Pad3 Site Address: Pad 3, Immingham Dock, Immingham, DN40 2QT Correspondence Address: -	Type of Site: 75kte Metal Recycling Site Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE0282AC/A001 Operator: Donald Ward Limited Waste Management licence No: 120787 Annual Tonnage: 0	Issue Date: 01/11/2023 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	8
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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 21 >](#)

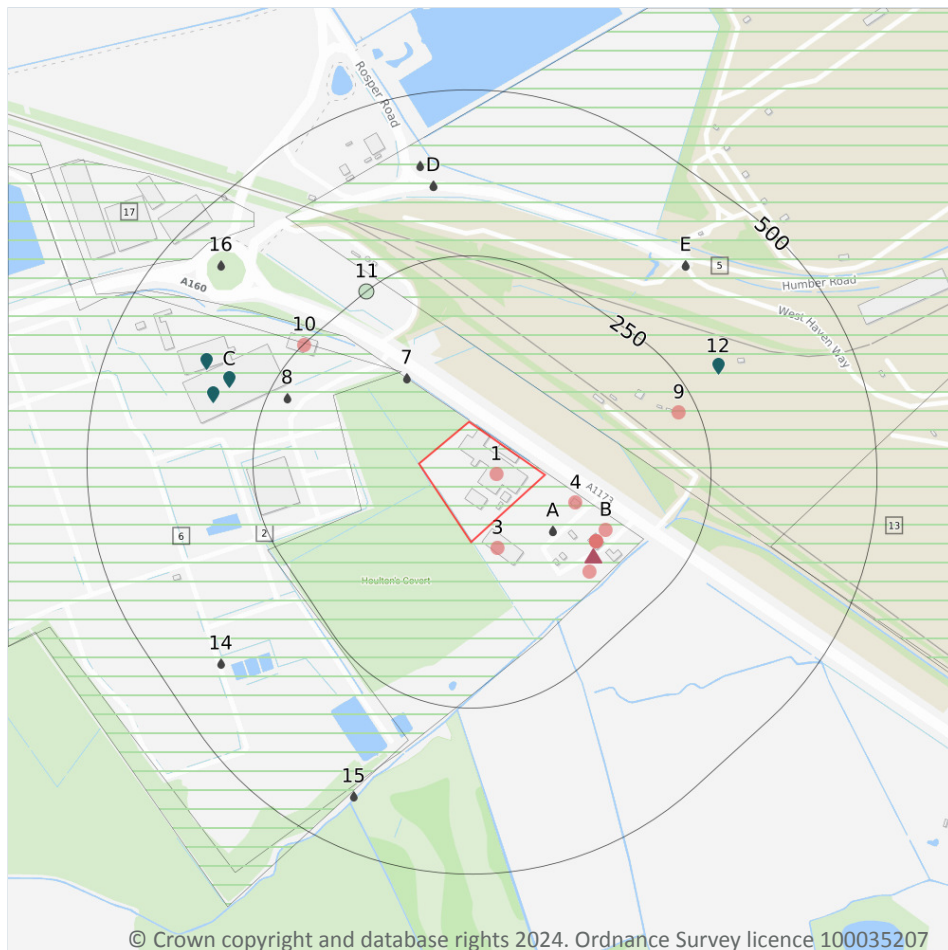
ID	Location	Site	Reference	Category	Sub-Category	Description
A	2m SE	-	WEX404546	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	2m SE	-	WEX404546	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	2m SE	-	WEX404546	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	2m SE	Manby Road, Immingham, Dn40 3dx	EXP/DP3241YA	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
C	329m E	-	WEX255485	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	360m E	-	WEX253450	Storing waste exemption	Not on a farm	Storage of waste in a secure place
3	442m N	Able Humber Ports Facility, Rosper Road, Immingham, South Humberside, Dn40 3dz	WEX279786	Disposing of waste exemption	Not on a farm	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
4	489m SW	Phillips 66 Humber Oil Refinery Bund Area 17 On South Tank Farm Dn40 3dw	EPR/TE5744KV /A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction

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
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

10

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 25 >](#)

ID	Location	Company	Address	Activity	Category
1	On site	Works	Lincolnshire, DN40	Unspecified Works Or Factories	Industrial Features
3	33m S	Factory	Lincolnshire, DN40	Unspecified Works Or Factories	Industrial Features



ID	Location	Company	Address	Activity	Category
4	63m E	Delta Engineering Group Ltd	Delta Engineering Group Ltd Unit 3, Manby Road, South Killingholme, Lincolnshire, DN40 3DX	Mechanical Engineers	Engineering Services
B	124m E	Electricity Sub Station	Lincolnshire, DN40	Electrical Features	Infrastructure and Facilities
B	126m SE	Calor Gas Ltd	Workshop, Manby Road, South Killingholme, Lincolnshire, DN40 3DX	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
B	126m SE	Immingham Calor Centre	Workshop, Manby Road, South Killingholme, Lincolnshire, DN40 3DX	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
B	126m SE	Calor	Workshop, Manby Road, South Killingholme, Lincolnshire, DN40 3DX	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
B	152m SE	Tank	Lincolnshire, DN40	Tanks (Generic)	Industrial Features
9	222m E	Electricity Sub Station	Lincolnshire, DN40	Electrical Features	Infrastructure and Facilities
10	249m NW	Factory	Lincolnshire, DN40	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
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Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m	0
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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	5
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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.

Features are displayed on the Current industrial land use map on [page 25 >](#)

ID	Location	Company	Address	Operational status	Tier
2	On site	Conoco Manufacturing Ltd	Conoco Manufacturing Ltd, South Tank Farm, South Killingholme, Immingham	Historical NIHHS Site	-
5	99m N	Associated British Ports	Associated British Ports, Immingham Dock, Immingham, Lincolnshire, DN40 2NS	Current COMAH Site	COMAH Upper Tier Operator
6	101m W	Phillips 66 Limited	Phillips 66 Limited, Humber Refinery, Humber Refinery, Eastfield Road, Grimsby, North Lincolnshire, DN40 3DW	Current COMAH Site	COMAH Upper Tier Operator
13	357m E	Exolum Immingham Limited	Exolum Immingham Limited, Immingham West Terminal, Immingham Dock, Immingham, North East Lincolnshire, DN40 2QU	Current COMAH Site	COMAH Upper Tier Operator
17	433m NW	Humberside Sea&land Services Ltd	Humberside Sea&land Services Ltd, Units1&2, Humber Road, South KillInngholme	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
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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 25 >](#)

ID	Location	Details	
B	138m SE	Application reference number: PA/1999/0998 Application status: Approved Application date: 26/11/1999 Address: Calor Gas Ltd, Manby Road, South Killingholme, North Lincolnshire, England, DN40 3DX	Details: Hazardous Substances Consent to increase the amount of LPG cylinder storage from 25 tonnes to 44 tonnes Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

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

0

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

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

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

Records within 500m

4

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 25 >](#)



ID	Location	Address	Details	
12	307m NE	Associated British Ports Pad 1, Western Access Road, Immingham Dock, Immingham, North East Lincolnshire, DN40 2LZ	Process: Coal & Coke Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	313m W	P D Port Services Ltd, Unit 2 Humber Road, South Killingholme, DN40 3DU	Process: Coal & Coke Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	327m W	Phillips 66 Limited, Unit 2, Humber Road, South Killingholme, DN40 3DW	Process: Coal & Coke Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	355m NW	Phillips 66 Limited, Unit 1, Humber Road, South Killingholme, DN40 3DW	Process: Coal & Coke Status: Current 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
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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	13
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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 25 >](#)

ID	Location	Address	Details	
A	70m SE	MANBYROADDEPOT,SOUTHKILLIN GHOLME	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR3NFF560 Permit Version: 1 Receiving Water: Unknown Trib.	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 26/06/1966 Effective Date: 26/06/1966 Revocation Date: -



ID	Location	Address	Details	
A	70m SE	MANBYROADDEPOT,SOUTHKILLIN GHOLME	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR3NFF560 Permit Version: 1 Receiving Water: Unknown Trib.	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 26/06/1966 Effective Date: 26/06/1966 Revocation Date: -
7	111m NW	COMMONPUMPINGSTATION,ASSO CIATEDPETROLEUMLTD,QUEENSRO AD,IMMINGHAM,NORTHEASTLINC OLNSHIRE,DN402PN	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: PRNNF18603 Permit Version: 1 Receiving Water: TRIB. OF HABROUGH MARSH DRAIN	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/03/2007 Effective Date: 31/03/2007 Revocation Date: -
8	222m NW	COMMONPUMPSTATION,IMMING HAM,GRIMSBY,SOUTH HUMBERSID E,DN402PW	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR3NFF927 Permit Version: 1 Receiving Water: Unknown Trib	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 28/03/1972 Effective Date: 28/03/1972 Revocation Date: 19/01/1994
D	360m N	MANBYROADIMMINGHAM,NEWO FFICESMANBYROAD,SOUTHKILLIN G HOLME,IMMINGHAM,DN403EG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR3NFF1093 Permit Version: 1 Receiving Water: Unknown Trib	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/07/1974 Effective Date: 17/07/1974 Revocation Date: 03/02/1992
D	360m N	MANBYROADIMMINGHAM,NEWO FFICESMANBYROAD,SOUTHKILLIN G HOLME,IMMINGHAM,DN403EG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR3NFF1093 Permit Version: 2 Receiving Water: into drain	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 04/02/1992 Effective Date: 04/02/1992 Revocation Date: 25/07/2000
D	360m N	MANBYROADIMMINGHAM,NEWO FFICESMANBYROAD,SOUTHKILLIN G HOLME,IMMINGHAM,DN403EG	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR3NFF1095 Permit Version: 1 Receiving Water: Unknown Trib	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/07/1974 Effective Date: 17/07/1974 Revocation Date: 11/02/1992
E	380m NE	OFFICEWESTENTRANCEIMMINGHA MDOCK,IMMINGHAM,DN40	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR3NF653 Permit Version: 1 Receiving Water: South Killingholme Main Drain	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 01/07/1988 Effective Date: 01/07/1988 Revocation Date: 12/03/1993



ID	Location	Address	Details	
E	380m NE	OFFICEWESTENTRANCEIMMINGHAMDOCK,IMMINGHAM,DN40	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR3NFF1226 Permit Version: 1 Receiving Water: Trib. South Killingholme Main	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 05/02/1981 Effective Date: 05/02/1981 Revocation Date: 23/04/1996
D	393m N	NEWIMMINGHAMWESTFIRESTATION,ROSPERROAD,IMMINGHAM,NLINCOLNSHIRE,DN403DZ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRNNF12221 Permit Version: 1 Receiving Water: SOUTH KILLINGHOLME MAIN DRAIN	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 24/08/1999 Effective Date: 26/11/1998 Revocation Date: -
14	415m SW	MESSROOMATMAINTENANCEWORKSHOP,MANBYRD,IMMINGHAM	Effluent Type: UNSPECIFIED Permit Number: PR3LFU914 Permit Version: 1 Receiving Water: Land	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 25/11/1977 Effective Date: 25/11/1977 Revocation Date: 01/10/1996
15	422m S	SITESTHKILLINGHOLME,CONOCOCENTRE,WARWICKTECHPARK,GALLOWSHILLWARWICK,CV346DA	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: PR3NFF855A Permit Version: 1 Receiving Water: Unknown trib	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/09/1970 Effective Date: 24/09/1970 Revocation Date: 25/10/1993
16	423m NW	COMMONPUMPSTATION,SOUTHKILLINGHOLME,IMMINGHAM,DN40	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: PR3NFF782 Permit Version: 1 Receiving Water: unknown Trib	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 18/09/1969 Effective Date: 18/09/1969 Revocation Date: 30/09/1993

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**1**

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 25 >](#)

ID	Location	Details	
11	250m NW	Incident Date: 30/09/2002 Incident Identification: 111635 Pollutant: Oils and Fuel Pollutant Description: Diesel	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**0**

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.

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.

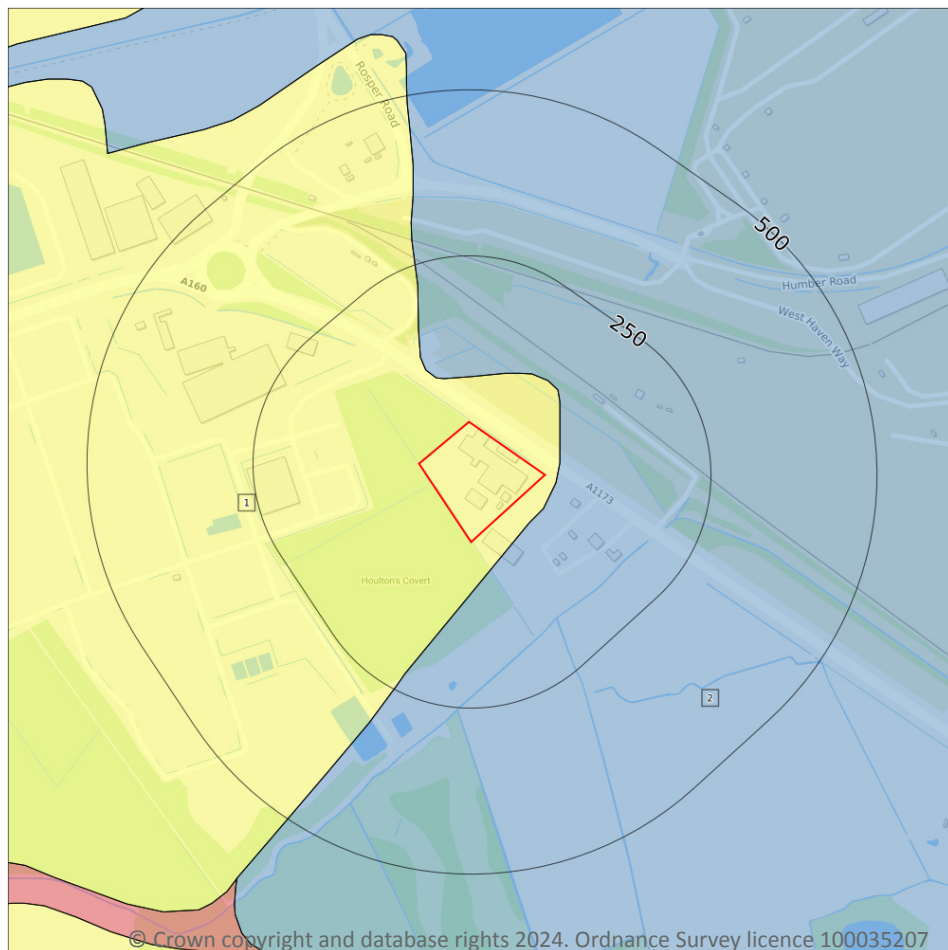
4.21 Pollution inventory radioactive waste

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

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 33](#) >

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	19m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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.

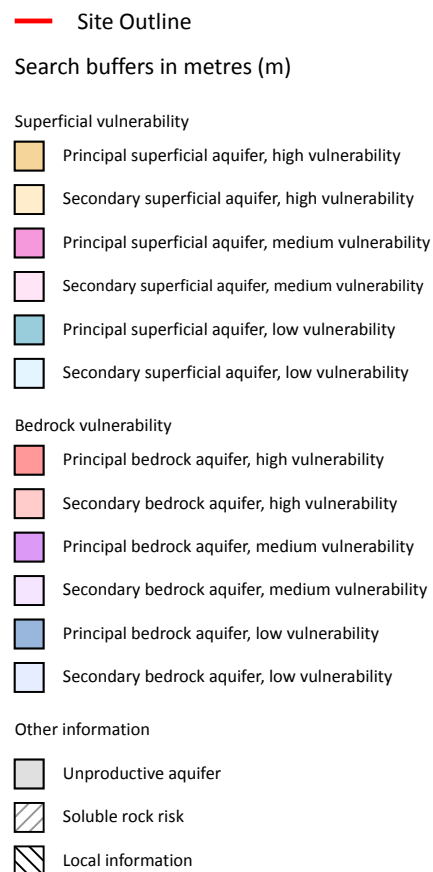
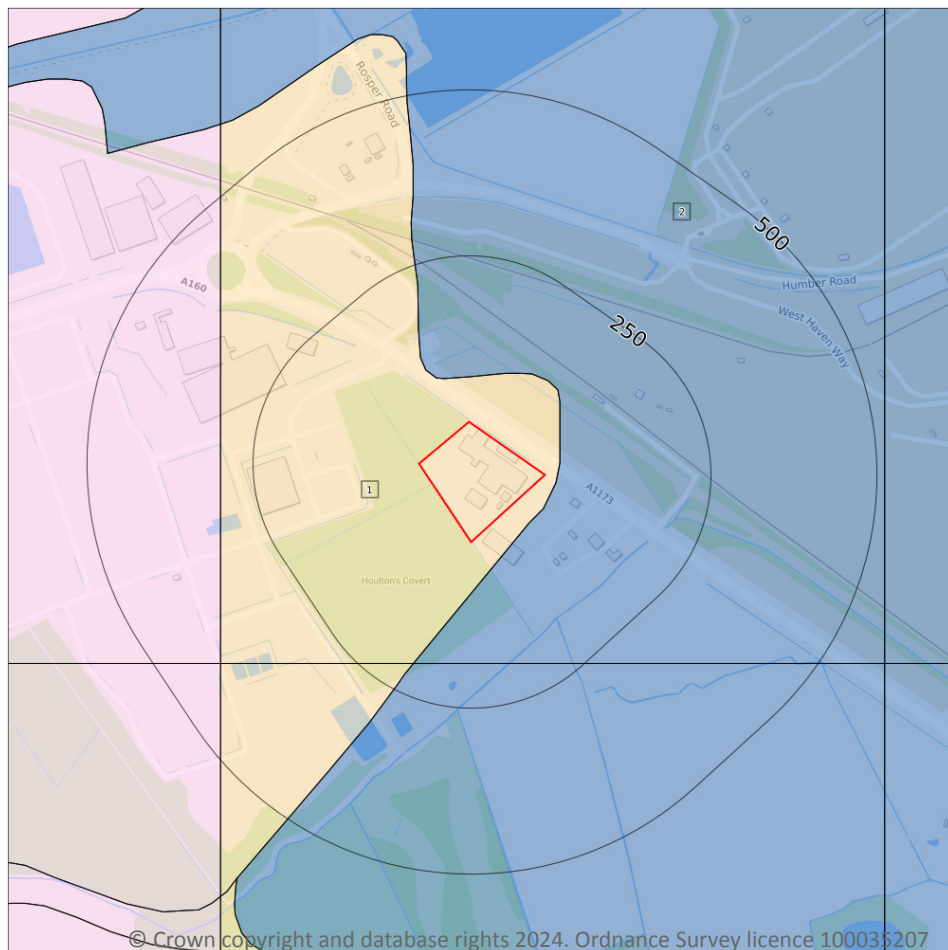
Features are displayed on the Bedrock aquifer map on [page 34](#) >

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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 35](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
2	19m E	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal 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
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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.

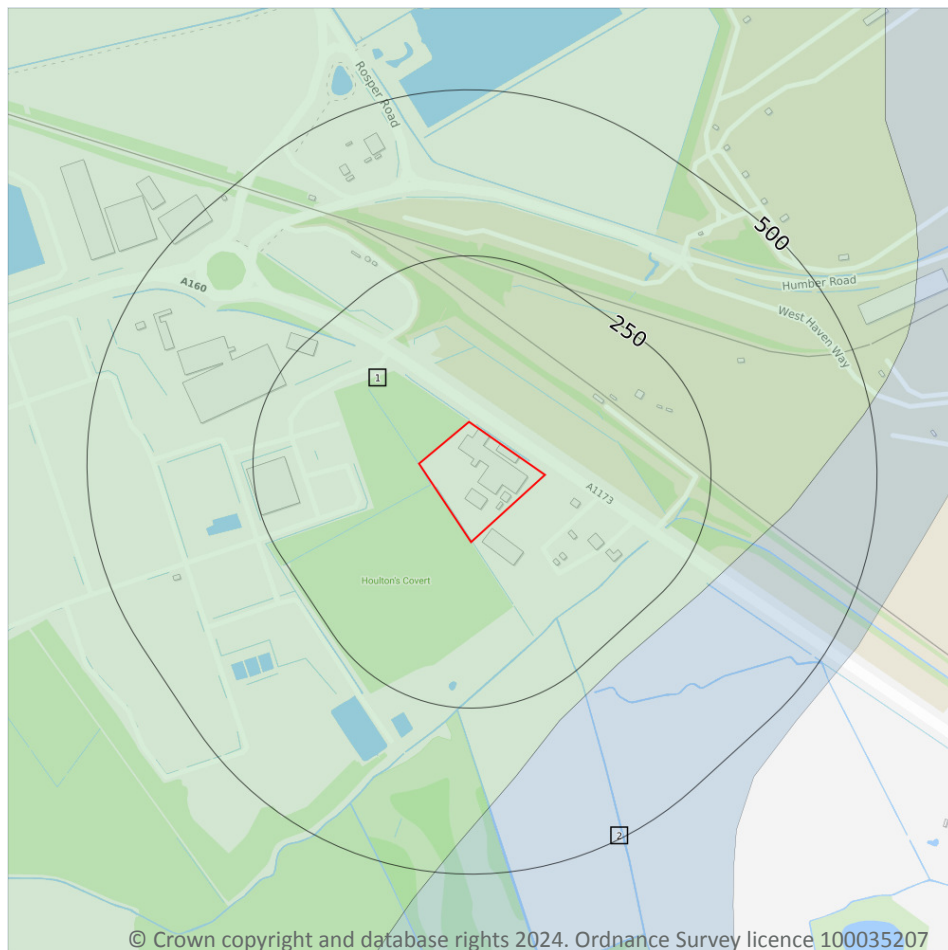
5.5 Groundwater vulnerability- local information

Records on site	0
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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

24

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 37](#) >

ID	Location	Details	
-	772m E	Status: Active Licence No: 4/29/09/*G/0045 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RECEPTION BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518197 Northing: 415977	Annual Volume (m ³): 1750000 Max Daily Volume (m ³): 13360 Original Application No: NPS/WR/037291 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 12/09/2023 Version End Date: -
-	772m E	Status: Active Licence No: 4/29/09/*G/0045 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RECEPTION BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518197 Northing: 415977	Annual Volume (m ³): 1750000 Max Daily Volume (m ³): 13360 Original Application No: NPS/WR/037291 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 12/09/2023 Version End Date: -
-	772m E	Status: Historical Licence No: 4/29/09/*G/0045 Details: Raw Water Supply Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RECEPTION BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518197 Northing: 415977	Annual Volume (m ³): 1400000 Max Daily Volume (m ³): 5480 Original Application No: NPS/WR/023334 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 05/10/2017 Version End Date: -
-	772m E	Status: Historical Licence No: 4/29/09/*G/0045 Details: Raw Water Supply Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RECEPTION BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518197 Northing: 415977	Annual Volume (m ³): 1750000 Max Daily Volume (m ³): 13360 Original Application No: NPS/WR/037291 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 12/09/2023 Version End Date: -
-	809m SE	Status: Historical Licence No: 4/29/09/*G/0045 Details: Raw Water Supply Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RECEPTION BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518200 Northing: 415900	Annual Volume (m ³): 945588 Max Daily Volume (m ³): 2619 Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1997 Version End Date: -



ID	Location	Details	
-	1143m N	Status: Active Licence No: 4/29/09/*G/0129 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: INLAND CAVERN BORE 1 Data Type: Point Name: Phillips 66 Limited Easting: 517760 Northing: 417440	Annual Volume (m ³): 14000 Max Daily Volume (m ³): 1056 Original Application No: NPS/WR/011065 Original Start Date: 08/05/1985 Expiry Date: - Issue No: 102 Version Start Date: 13/07/2012 Version End Date: -
-	1147m N	Status: Active Licence No: 4/29/09/*G/0129 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: INLAND CAVERN BORE 2 Data Type: Point Name: Phillips 66 Limited Easting: 517770 Northing: 417440	Annual Volume (m ³): 14000 Max Daily Volume (m ³): 1056 Original Application No: NPS/WR/011065 Original Start Date: 08/05/1985 Expiry Date: - Issue No: 102 Version Start Date: 13/07/2012 Version End Date: -
-	1150m E	Status: Active Licence No: 4/29/09/*G/0045 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: TIMBER YARD BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518578 Northing: 416651	Annual Volume (m ³): 1750000 Max Daily Volume (m ³): 13360 Original Application No: NPS/WR/037291 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 12/09/2023 Version End Date: -
-	1150m E	Status: Active Licence No: 4/29/09/*G/0045 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: TIMBER YARD BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518578 Northing: 416651	Annual Volume (m ³): 1750000 Max Daily Volume (m ³): 13360 Original Application No: NPS/WR/037291 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 12/09/2023 Version End Date: -
-	1150m E	Status: Historical Licence No: 4/29/09/*G/0045 Details: Raw Water Supply Direct Source: GROUND WATER SOURCE OF SUPPLY Point: TIMBER YARD BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518578 Northing: 416651	Annual Volume (m ³): 1400000 Max Daily Volume (m ³): 5480 Original Application No: NPS/WR/023334 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 05/10/2017 Version End Date: -



ID	Location	Details	
-	1150m E	Status: Historical Licence No: 4/29/09/*G/0045 Details: Raw Water Supply Direct Source: GROUND WATER SOURCE OF SUPPLY Point: TIMBER YARD BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518578 Northing: 416651	Annual Volume (m ³): 1750000 Max Daily Volume (m ³): 13360 Original Application No: NPS/WR/037291 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 12/09/2023 Version End Date: -
-	1156m E	Status: Historical Licence No: 4/29/09/*G/0045 Details: Raw Water Supply Direct Source: GROUND WATER SOURCE OF SUPPLY Point: TIMBER YARD BORE Data Type: Point Name: ASSOCIATED BRITISH PORTS Easting: 518600 Northing: 416600	Annual Volume (m ³): 945588 Max Daily Volume (m ³): 2619 Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1997 Version End Date: -
-	1612m W	Status: Active Licence No: AN/029/0009/001/R01 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 S.KILLINGHOLME Data Type: Point Name: Phillips 66 Limited Easting: 515730 Northing: 416670	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: NPS/WR/023735 Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1612m W	Status: Historical Licence No: 4/29/09/*G/0124 Details: Process water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: CONOCO BORE1 S.KILLINGHOLME Data Type: Point Name: CONOCO LTD Easting: 515730 Northing: 416670	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1980 Expiry Date: 31/07/2002 Issue No: 100 Version Start Date: 01/07/1997 Version End Date: -
-	1612m W	Status: Historical Licence No: 4/29/09/*G/0145 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: CONOCO BORE1 S.KILLINGHOLME Data Type: Point Name: CONOCOPHILLIPS LTD Easting: 515730 Northing: 416670	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: - Original Start Date: 02/07/2002 Expiry Date: 31/03/2010 Issue No: 2 Version Start Date: 15/07/2003 Version End Date: -



ID	Location	Details	
-	1612m W	Status: Historical Licence No: AN/029/0009/001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: CONOCO BORE1 S.KILLINGHOLME Data Type: Point Name: Phillips 66 Ltd Easting: 515730 Northing: 416670	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: - Original Start Date: 01/04/2010 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 01/04/2010 Version End Date: -
-	1612m W	Status: Historical Licence No: AN/029/0009/001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 S.KILLINGHOLME Data Type: Point Name: Phillips 66 Limited Easting: 515730 Northing: 416670	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: - Original Start Date: 01/04/2010 Expiry Date: 31/03/2018 Issue No: 2 Version Start Date: 13/07/2012 Version End Date: -
-	1642m NE	Status: Active Licence No: 4/29/09/*G/0129 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RIVERSIDE CAVERN BORE 1 Data Type: Point Name: Phillips 66 Limited Easting: 518170 Northing: 417800	Annual Volume (m ³): 14000 Max Daily Volume (m ³): 1056 Original Application No: NPS/WR/011065 Original Start Date: 08/05/1985 Expiry Date: - Issue No: 102 Version Start Date: 13/07/2012 Version End Date: -
-	1647m NE	Status: Active Licence No: 4/29/09/*G/0129 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RIVERSIDE CAVERN BORE 2 Data Type: Point Name: Phillips 66 Limited Easting: 518180 Northing: 417800	Annual Volume (m ³): 14000 Max Daily Volume (m ³): 1056 Original Application No: NPS/WR/011065 Original Start Date: 08/05/1985 Expiry Date: - Issue No: 102 Version Start Date: 13/07/2012 Version End Date: -
-	1800m W	Status: Active Licence No: AN/029/0009/001/R01 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 S.KILLINGHOLME Data Type: Point Name: Phillips 66 Limited Easting: 515620 Northing: 416950	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: NPS/WR/023735 Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -



ID	Location	Details	
-	1800m W	Status: Historical Licence No: 4/29/09/*G/0124 Details: Process water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: CONOCO BORE2 S.KILLINGHOLME Data Type: Point Name: CONOCO LTD Easting: 515620 Northing: 416950	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1980 Expiry Date: 31/07/2002 Issue No: 100 Version Start Date: 01/07/1997 Version End Date: -
-	1800m W	Status: Historical Licence No: 4/29/09/*G/0145 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: CONOCO BORE2 S.KILLINGHOLME Data Type: Point Name: CONOCOPHILLIPS LTD Easting: 515620 Northing: 416950	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: - Original Start Date: 02/07/2002 Expiry Date: 31/03/2010 Issue No: 2 Version Start Date: 15/07/2003 Version End Date: -
-	1800m W	Status: Historical Licence No: AN/029/0009/001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: CONOCO BORE2 S.KILLINGHOLME Data Type: Point Name: Phillips 66 Ltd Easting: 515620 Northing: 416950	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: - Original Start Date: 01/04/2010 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 01/04/2010 Version End Date: -
-	1800m W	Status: Historical Licence No: AN/029/0009/001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 S.KILLINGHOLME Data Type: Point Name: Phillips 66 Limited Easting: 515620 Northing: 416950	Annual Volume (m ³): 619000 Max Daily Volume (m ³): 1700 Original Application No: - Original Start Date: 01/04/2010 Expiry Date: 31/03/2018 Issue No: 2 Version Start Date: 13/07/2012 Version End Date: -

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 37 >](#)



ID	Location	Details	
-	858m SE	Status: Historical Licence No: 4/29/09/*S/0127 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: TRIB. OF HABROUGH MARSH DRAIN Data Type: Point Name: IMMINGHAM TOWN COUNCIL Easting: 517910 Northing: 415510	Annual Volume (m ³): 4092 Max Daily Volume (m ³): 46 Original Application No: - Original Start Date: 01/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
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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	2
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on [page 37 >](#)

ID	Location	Type	Description
1	On site	3	Total catchment
2	285m SE	2	Outer catchment

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

5.10 Source Protection Zones (confined aquifer)

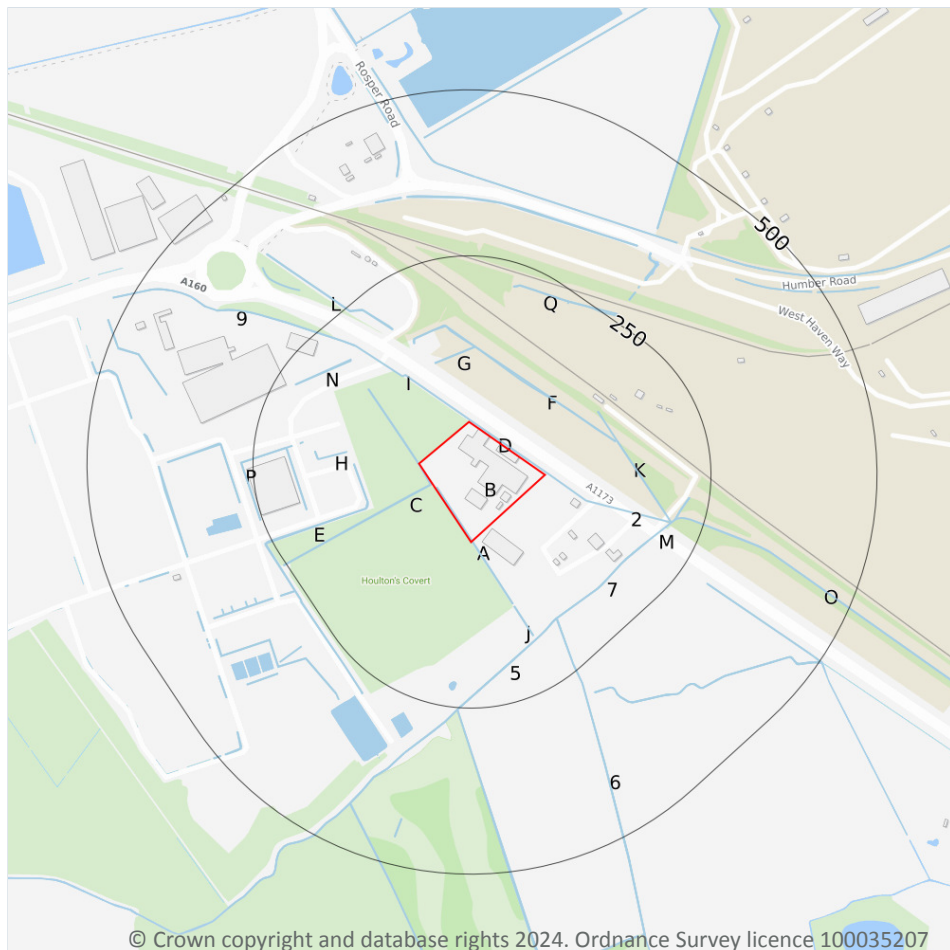
Records within 500m	0
----------------------------	----------

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

34

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 43](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	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
C	1m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	3m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
2	73m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	92m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	96m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	101m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	110m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	114m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	116m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	116m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	117m NW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
K	119m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	152m W	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
5	171m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	172m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	172m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	177m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	180m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	182m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	184m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
N	185m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	190m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
H	192m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	197m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	198m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	201m W	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
M	203m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	204m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	208m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	208m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	214m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	231m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	235m NE	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

23

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 43](#) >

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 43 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	North Beck Drain	GB104029067575	Becks Northern	Louth Grimsby and Ancholme

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 43 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	3593m SE	River	North Beck Drain	GB104029067575 ↗	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 43 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	North Lincolnshire Chalk Unit	GB40401G401500 ↗	Poor	Poor	Poor	2019

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

1

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).

Features are displayed on the River and coastal flooding map on [page 48 >](#)

Distance	Flood risk category
On site	Very Low
0 - 50m	Very Low

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

7.2 Historical Flood Events

Records within 250m	1
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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.

Features are displayed on the River and coastal flooding map on [page 48 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
A	186m N	Lna_2013_12_Tidal_Witham_Haven	2013-12-05 2013-12-05	Sea	Overtopping of defences	Tidal

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

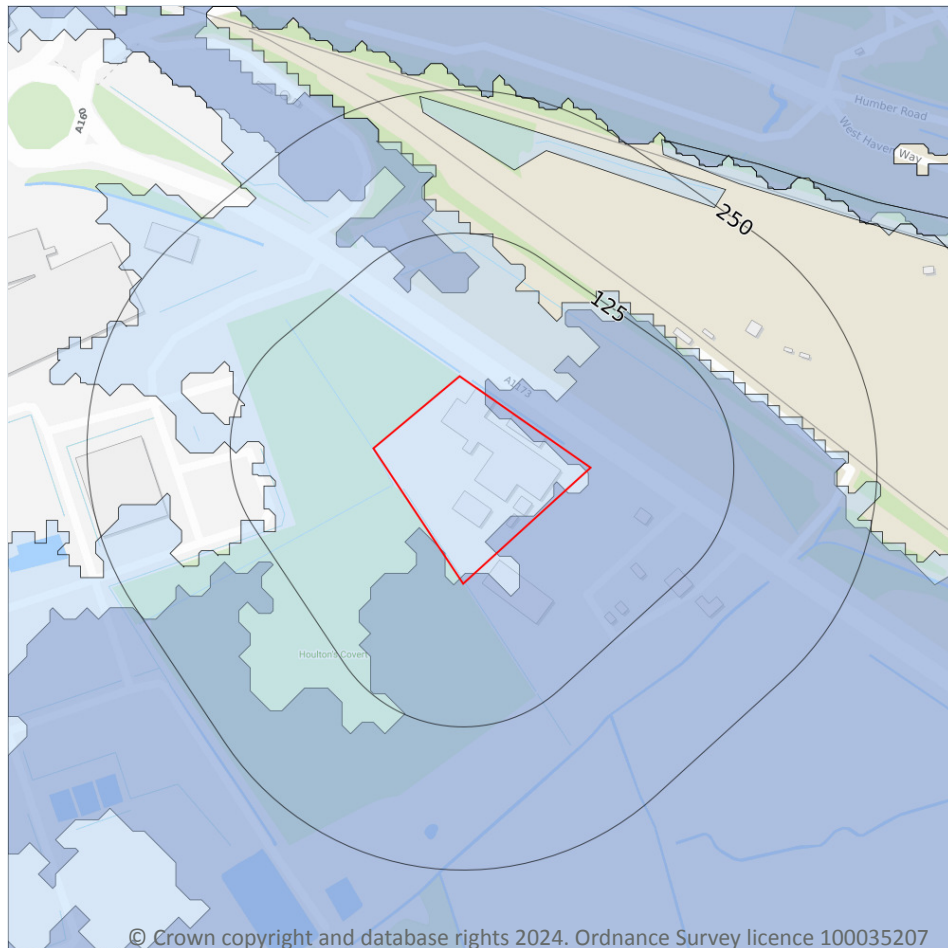
0

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



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on [page 48 >](#)

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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



7.7 Flood Zone 3

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on [page 48](#) >

Location	Type
On site	Zone 3 - (Fluvial Models)

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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.

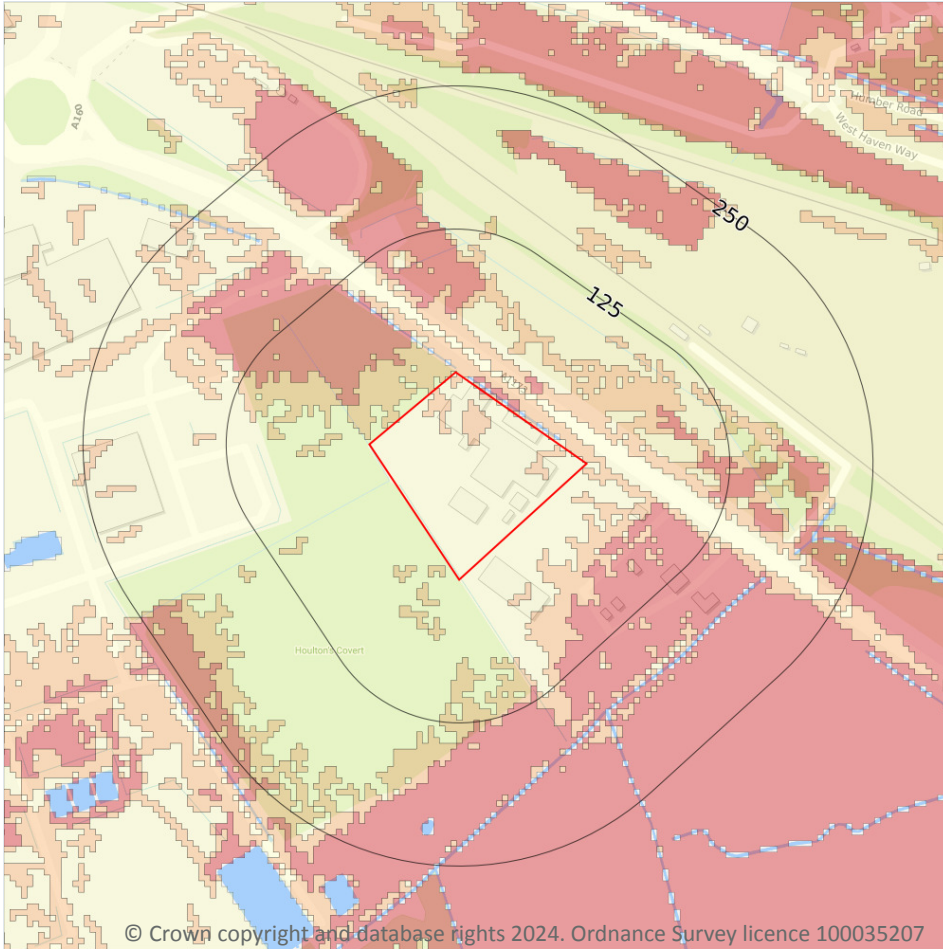
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

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9.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

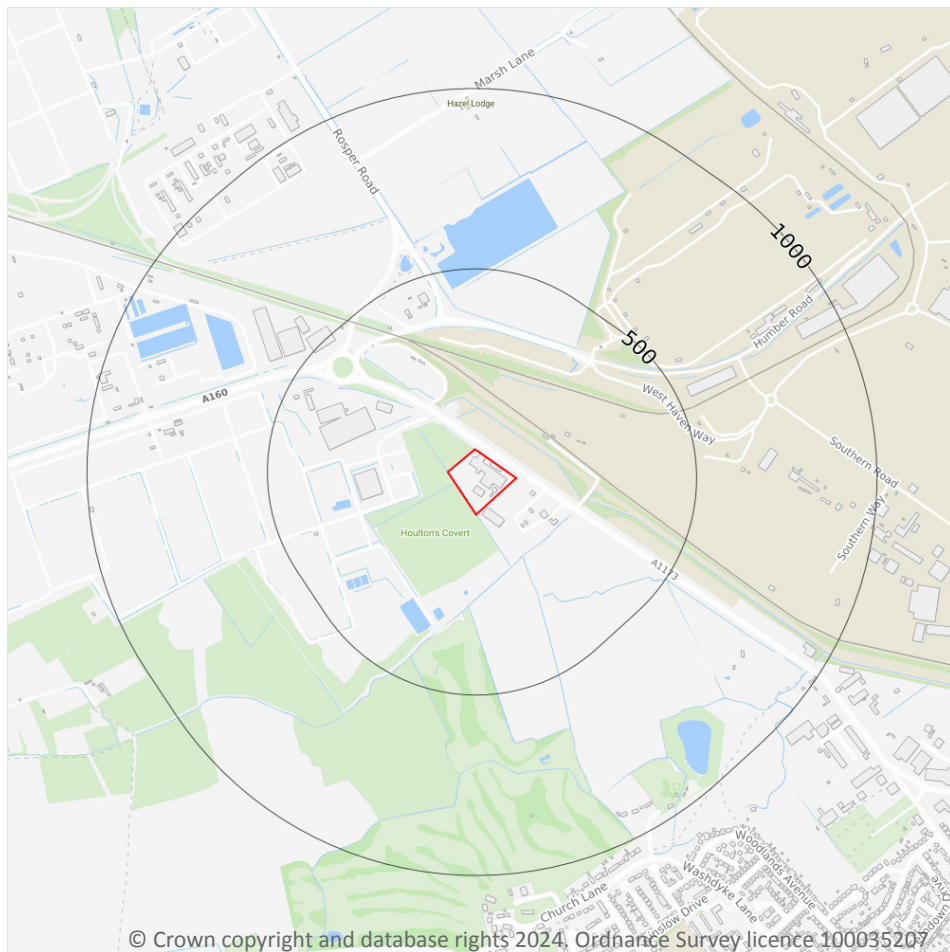
High

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 53 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- × Conserved wetland sites (Ramsar sites)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

1

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.

Features are displayed on the Environmental designations map on [page 54 >](#)

ID	Location	Name	Data source
A	1476m NE	Humber Estuary	Natural England



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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

2

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.

Features are displayed on the Environmental designations map on [page 54](#) >





ID	Location	Site	Details
1	1476m NE	Name: Humber Estuary Site status: Listed Data source: Natural England	Overview: The Humber Estuary is the largest macro-tidal estuary on the British North Sea coast. It drains a catchment of some 24,240 square kilometres and is the site of the largest single input of freshwater from Britain into the North Sea. It has the second-highest tidal range in Britain (max 7.4 m) and approximately one-third of the estuary is exposed as mud or sand flats at low tide. The inner estuary supports extensive areas of reedbed with areas of mature and developing saltmarsh backed in places by limited areas of grazing marsh in the middle and outer estuary. On the north Lincolnshire coast the saltmarsh is backed by low sand dunes with marshy slacks and brackish pools. The Estuary regularly supports internationally important numbers of waterfowl in winter and nationally important breeding populations in summer. Ramsar criteria: Ramsar criterion 1 The site is a representative example of a near-natural estuary with the following component habitats: dune systems and humid dune slacks, estuarine waters, intertidal mud and sand flats, saltmarshes, and coastal brackish/saline lagoons. It is a large macro-tidal coastal plain estuary with high suspended sediment loads, which feed a dynamic and rapidly changing system of accreting and eroding intertidal and subtidal mudflats, sandflats, saltmarsh and reedbeds. Examples of both strandline, foredune, mobile, semi-fixed dunes, fixed dunes and dune grassland occur on both banks of the estuary and along the coast. The estuary supports a full range of saline conditions from the open coast to the limit of saline intrusion on the tidal rivers of the Ouse and Trent. Wave exposed sandy shores are found in the outer/open coast areas of the estuary. These change to the more moderately exposed sandy shores and then to sheltered muddy shores within the main body of the estuary and up into the tidal rivers. The lower saltmarsh of the Humber is dominated by common cordgrass <i>Spartina anglica</i> and annual glasswort <i>Salicornia</i> communities. Low to mid marsh communities are mostly represented by sea aster <i>Aster tripolium</i>, common saltmarsh grass <i>Puccinellia maritima</i> and sea purslane <i>Atriplex portulacoides</i> communities. The upper portion of the saltmarsh community is atypical, dominated by sea couch <i>Elytrigia atherica</i> (<i>Elymus pycnanthus</i>) saltmarsh community. In the upper reaches of the estuary, the tidal marsh community is dominated by the common reed <i>Phragmites australis</i> fen and sea club rush <i>Bolboschoenus maritimus</i> swamp with the couch grass <i>Elytrigia repens</i> (<i>Elymus repens</i>) saltmarsh community. Within the Humber Estuary Ramsar site there are good examples of four of the five physiographic types of saline lagoon. Ramsar criterion 3 The Humber Estuary Ramsar site supports a breeding colony of grey seals <i>Halichoerus grypus</i> at Donna Nook. It is the second largest grey seal colony in England and the furthest south regular breeding site on the east coast. The dune slacks at Saltfleetby-Theddlethorpe on the southern extremity of the Ramsar site are the most north-easterly breeding site in Great Britain of the natterjack toad <i>Bufo calamita</i>. Ramsar criterion 5 Assemblages of international importance: 153,934 waterfowl, non-breeding season (5 year peak mean 1996/97-2000/2001) Ramsar criterion 6 – species/populations occurring at levels of international



ID	Location	Site	Details
-	1721m NE	Name: Humber Estuary Site status: Listed Data source: Natural England	Overview: The Humber Estuary is the largest macro-tidal estuary on the British North Sea coast. It drains a catchment of some 24,240 square kilometres and is the site of the largest single input of freshwater from Britain into the North Sea. It has the second-highest tidal range in Britain (max 7.4 m) and approximately one-third of the estuary is exposed as mud or sand flats at low tide. The inner estuary supports extensive areas of reedbed with areas of mature and developing saltmarsh backed in places by limited areas of grazing marsh in the middle and outer estuary. On the north Lincolnshire coast the saltmarsh is backed by low sand dunes with marshy slacks and brackish pools. The Estuary regularly supports internationally important numbers of waterfowl in winter and nationally important breeding populations in summer. Ramsar criteria: Ramsar criterion 1 The site is a representative example of a near-natural estuary with the following component habitats: dune systems and humid dune slacks, estuarine waters, intertidal mud and sand flats, saltmarshes, and coastal brackish/saline lagoons. It is a large macro-tidal coastal plain estuary with high suspended sediment loads, which feed a dynamic and rapidly changing system of accreting and eroding intertidal and subtidal mudflats, sandflats, saltmarsh and reedbeds. Examples of both strandline, foredune, mobile, semi-fixed dunes, fixed dunes and dune grassland occur on both banks of the estuary and along the coast. The estuary supports a full range of saline conditions from the open coast to the limit of saline intrusion on the tidal rivers of the Ouse and Trent. Wave exposed sandy shores are found in the outer/open coast areas of the estuary. These change to the more moderately exposed sandy shores and then to sheltered muddy shores within the main body of the estuary and up into the tidal rivers. The lower saltmarsh of the Humber is dominated by common cordgrass <i>Spartina anglica</i> and annual glasswort <i>Salicornia</i> communities. Low to mid marsh communities are mostly represented by sea aster <i>Aster tripolium</i>, common saltmarsh grass <i>Puccinellia maritima</i> and sea purslane <i>Atriplex portulacoides</i> communities. The upper portion of the saltmarsh community is atypical, dominated by sea couch <i>Elytrigia atherica</i> (<i>Elymus pycnanthus</i>) saltmarsh community. In the upper reaches of the estuary, the tidal marsh community is dominated by the common reed <i>Phragmites australis</i> fen and sea club rush <i>Bolboschoenus maritimus</i> swamp with the couch grass <i>Elytrigia repens</i> (<i>Elymus repens</i>) saltmarsh community. Within the Humber Estuary Ramsar site there are good examples of four of the five physiographic types of saline lagoon. Ramsar criterion 3 The Humber Estuary Ramsar site supports a breeding colony of grey seals <i>Halichoerus grypus</i> at Donna Nook. It is the second largest grey seal colony in England and the furthest south regular breeding site on the east coast. The dune slacks at Saltfleetby-Theddlethorpe on the southern extremity of the Ramsar site are the most north-easterly breeding site in Great Britain of the natterjack toad <i>Bufo calamita</i>. Ramsar criterion 5 Assemblages of international importance: 153,934 waterfowl, non-breeding season (5 year peak mean 1996/97-2000/2001) Ramsar criterion 6 – species/populations occurring at levels of international



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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	1
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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.

Features are displayed on the Environmental designations map on [page 54 >](#)

ID	Location	Name	Features of interest	Habitat description	Data source
A	1476m NE	Humbe r Estuary	Subtidal sandbanks; Estuaries; Intertidal mudflats and sandflats; Lagoons; Annual vegetation of drift lines; Glasswort and other annuals colonising mud and sand; Cord-grass swards; Atlantic salt meadows; Shifting dunes; Shifting dunes with marram; Dune grassland; Dunes with sea-buckthorn; Sea lamprey; River lamprey; Allis shad; Twaite shad; Grey seal; Common seal.	Bogs, Marshes, Water fringed vegetation, Fens; Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins)	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m	1
-----------------------------	----------

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.

Features are displayed on the Environmental designations map on [page 54 >](#)

ID	Location	Name	Species of interest	Habitat description	Data source
A	1476m NE	Humbe r Estuary	Great bittern; Great bittern; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Common pochard; Greater scaup; Common goldeneye; Eurasian marsh harrier; Hen harrier; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Ringed plover; European golden plover; Grey plover; Grey plover; Northern lapwing; Red knot; Red knot; Sanderling; Sanderling; Ruff; Bar-tailed godwit; Whimbrel; Eurasian curlew; Common redshank; Common redshank; Common greenshank; Ruddy turnstone; Little tern; Black-tailed godwit; Black-tailed godwit; Dunlin; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Inland water bodies (Standing water, Running water); Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens	Natural England

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

0

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

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**4**

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.

Location	Name	Type	NVZ ID	Status
On site	North Beck Drain NVZ	Surface Water	359	Existing

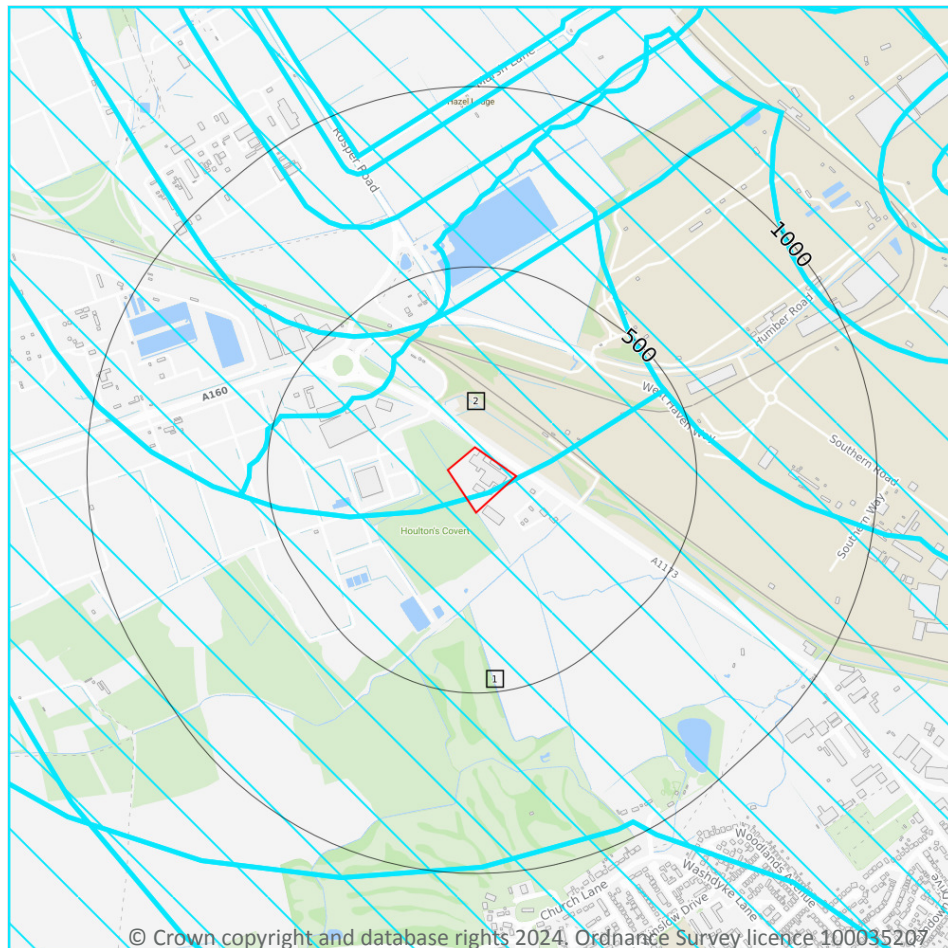


Location	Name	Type	NVZ ID	Status
On site	Lincolnshire Chalk	Groundwater	80	Existing
201m S	North Beck Drain NVZ	Surface Water	359	Existing
235m SW	Lincolnshire Chalk	Groundwater	80	Existing

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

2

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 63](#) >

ID	Location	Type of developments requiring consultation
1	On site	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. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. 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. 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. Residential - Residential development of 50 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.



ID	Location	Type of developments requiring consultation
2	On site	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. 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. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. 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. 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. Residential - Residential development of 50 units or more. Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

4

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.

Features are displayed on the SSSI Impact Zones and Units map on [page 63](#) >

ID: 14
 Location: 1476m NE
 SSSI name: Humber Estuary
 Unit name: Pipeline Jetty To South Killingholme Haven
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-



Feature name	Feature condition	Date of assessment
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Littoral sediment	Unfavourable - Recovering	30/03/2010
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
River lamprey, <i>Lampetra fluviatilis</i> - Passage	-	-
River lamprey, <i>Lampetra fluviatilis</i>	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, <i>Petromyzon marinus</i>	-	-
S1099 River lamprey, <i>Lampetra fluviatilis</i>	-	-
Sea lamprey, <i>Petromyzon marinus</i> - Passage	-	-
Sea lamprey, <i>Petromyzon marinus</i>	-	-
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022



ID: -
 Location: 1721m NE
 SSSI name: Humber Estuary
 Unit name: Hit To Second Jetty
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Bar-tailed godwit, Limosa lapponica - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, Limosa lapponica - Wintering	-	-
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, Pluvialis apricaria - A140, nb	Favourable	29/03/2022
Golden plover, Pluvialis apricaria - Passage	-	-
Golden plover, Pluvialis apricaria - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
H1310 Salicornia and other annuals colonising mud and sand	Favourable	24/02/2022
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	24/02/2022
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Littoral sediment	Unfavourable - Recovering	30/03/2010
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
S1095 Sea lamprey, <i>Petromyzon marinus</i>	-	-
S1099 River lamprey, <i>Lampetra fluviatilis</i>	-	-
SM4-28 - Saltmarsh	Favourable	24/02/2022
Sea lamprey, <i>Petromyzon marinus</i> - Passage	-	-
Sea lamprey, <i>Petromyzon marinus</i>	-	-
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -
 Location: 1862m N
 SSSI name: Humber Estuary
 Unit name: Jetty To North Killingholme Haven
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, Calidris alba	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, Arenaria interpres	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Avocet, Recurvirostra avosetta - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, Limosa lapponica - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, Limosa lapponica - Wintering	-	-
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, Pluvialis apricaria - A140, nb	Favourable	29/03/2022
Golden plover, Pluvialis apricaria - Passage	-	-
Golden plover, Pluvialis apricaria - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
H1310 Salicornia and other annuals colonising mud and sand	Favourable	24/02/2022
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	24/02/2022
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-



Feature name	Feature condition	Date of assessment
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Littoral sediment	Unfavourable - Recovering	30/03/2010
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, Petromyzon marinus	-	-
S1099 River lamprey, Lampetra fluviatilis	-	-
SM4-28 - Saltmarsh	Favourable	24/02/2022
Sea lamprey, Petromyzon marinus - Passage	-	-
Sea lamprey, Petromyzon marinus	-	-
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -
 Location: 1896m NE
 SSSI name: Humber Estuary
 Unit name: Humber Bridge To Grimsby Dock Subtidal
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022



Feature name	Feature condition	Date of assessment
Estuaries	Unfavourable - Recovering	21/12/2010
Estuary	-	-
H1110 Sandbanks which are slightly covered by sea water all the time	-	-
H1130 Estuaries	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	Unfavourable - Recovering	21/12/2010
S1095 Sea lamprey, Petromyzon marinus	-	-
S1099 River lamprey, Lampetra fluviatilis	-	-
Sea lamprey, Petromyzon marinus - Passage	-	-
Sea lamprey, Petromyzon marinus	Unfavourable - Recovering	21/12/2010
Waterbird assemblage - Wintering	-	-

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

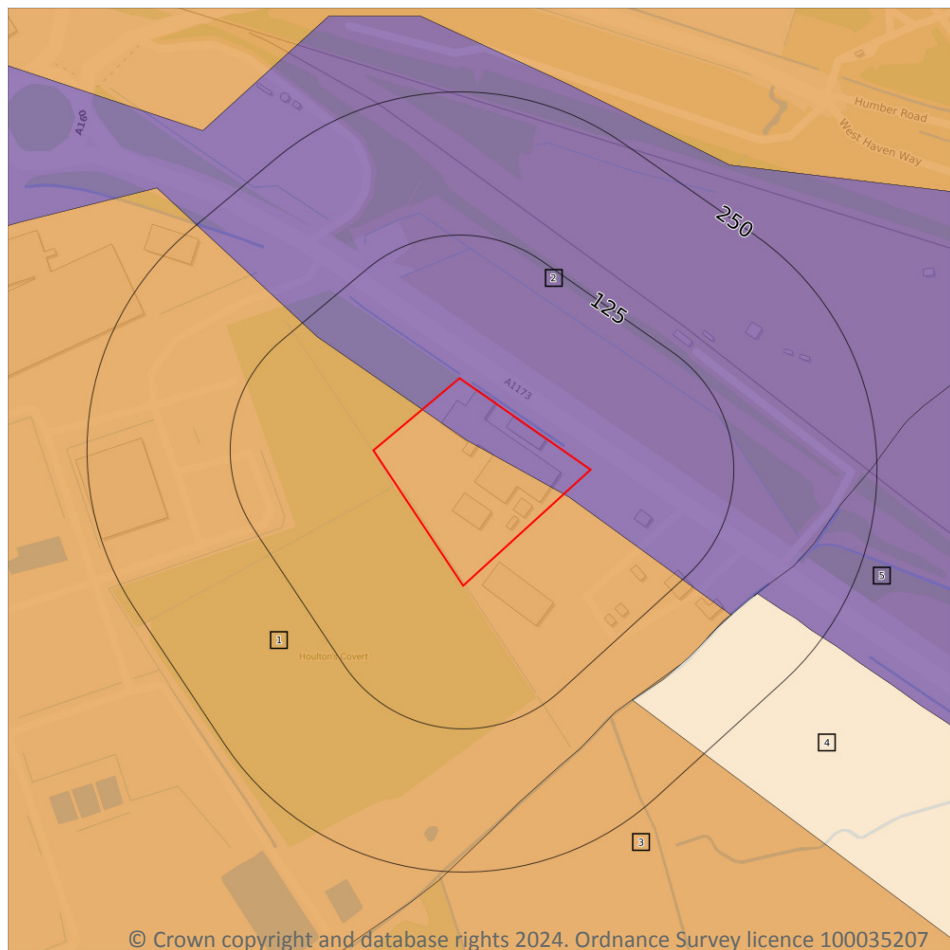
0

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

5

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 74](#) >

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
2	On site	Urban	Non-agricultural/no quality assigned



ID	Location	Classification	Description
3	171m SE	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
4	173m SE	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
5	176m SE	Urban	Non-agricultural/no quality assigned

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

1

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.

Location	Reference	Scheme	Start Date	End date
171m SE	AG00314086	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m**2**

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
171m SE	1430000	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
171m SE	1272162	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026

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

4

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 77 >](#)

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	3m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	71m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	117m S	No main habitat but additional habitats present	Additional: 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 77 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
5	175m N	HLD_refs: EAHLD3578 2	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	-

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 79 >](#)

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

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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.

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

14.5 Bedrock geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

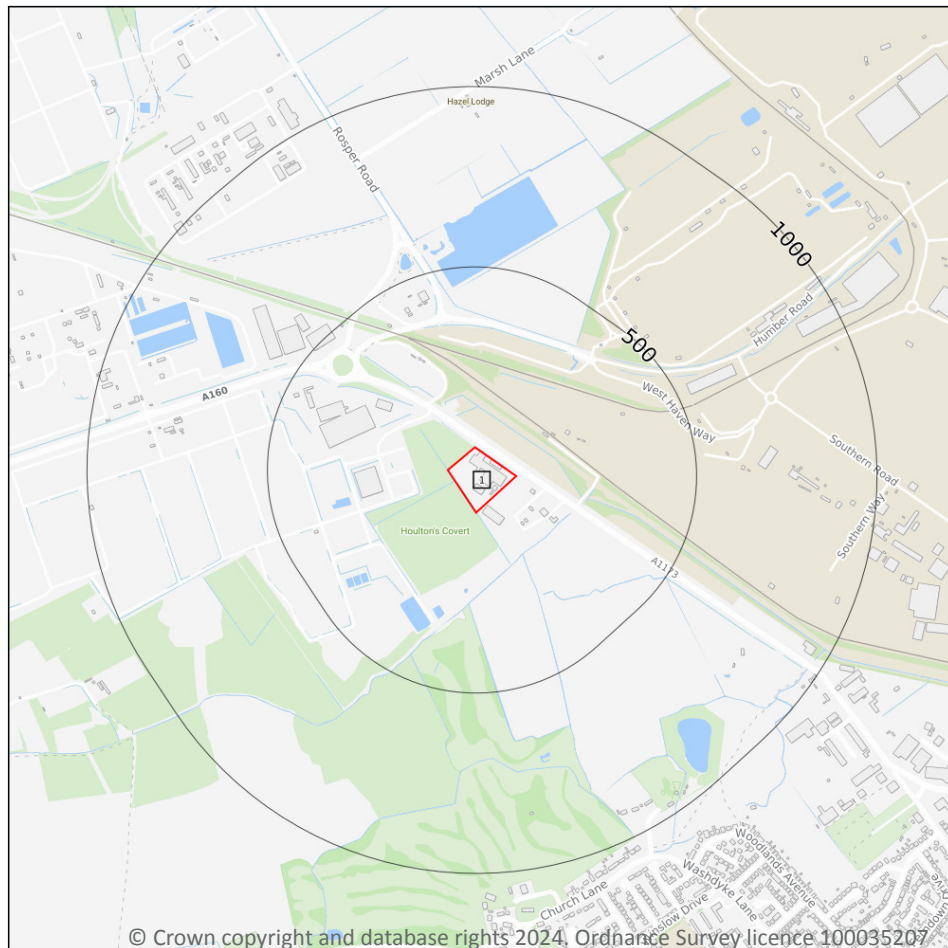
0

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.

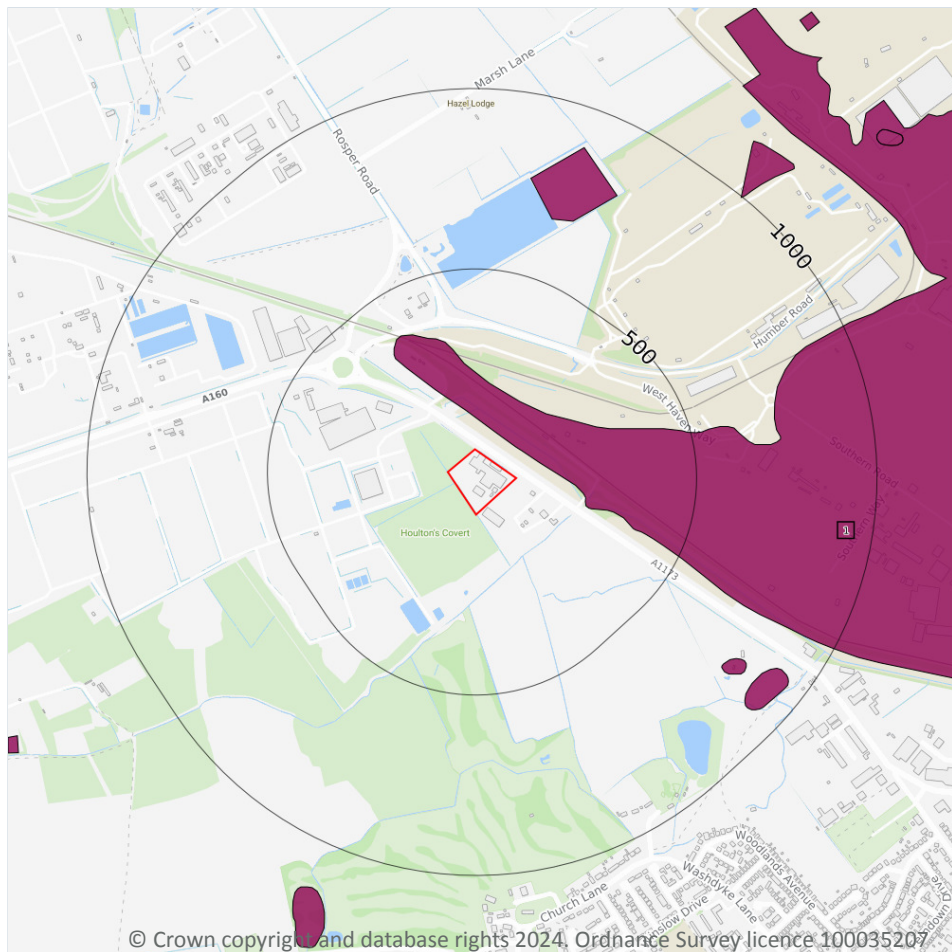
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 83](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW081_082_pattrington_and_spurn_v4

This data is sourced from the British Geological Survey.



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



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

15.2 Artificial and made ground (50k)

Records within 500m

1

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.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 84](#) >

ID	Location	LEX Code	Description	Rock description
1	70m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

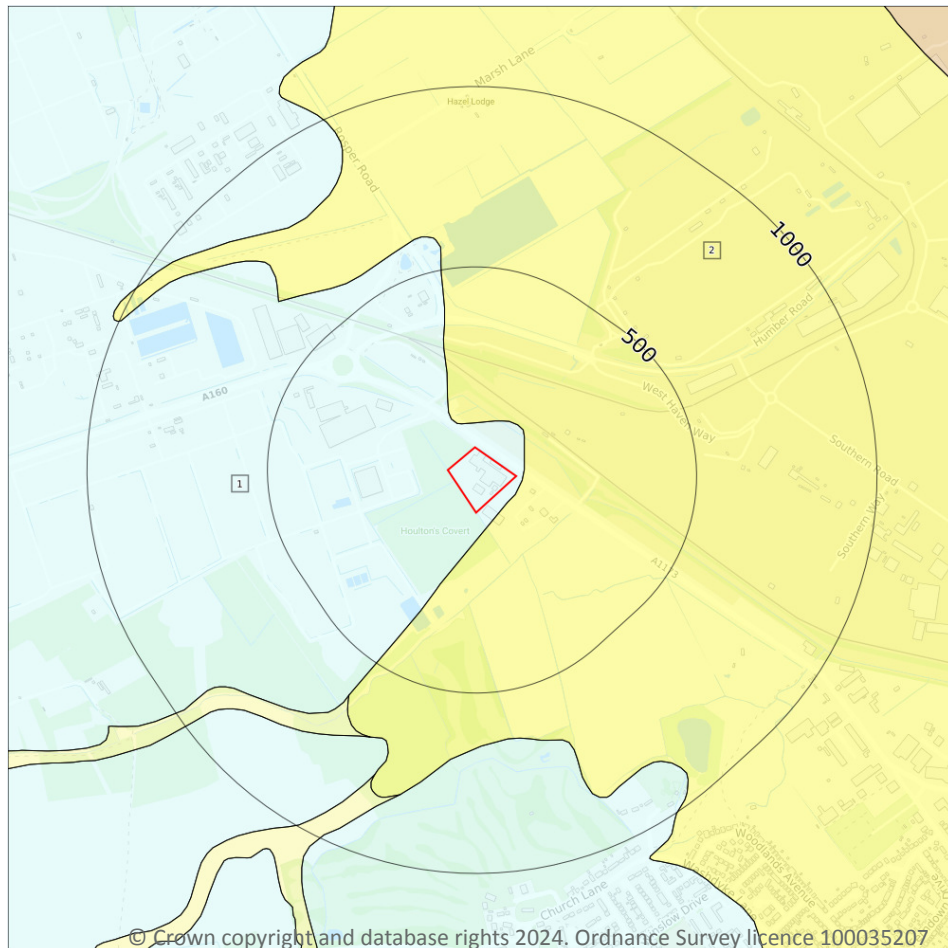
0

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

2

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 85 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON
2	19m E	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m**2**

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
19m E	Intergranular	Low	Very 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 87 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	BCK-CHLK	BURNHAM CHALK FORMATION - CHALK	TURONIAN

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	Very High	Very High

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



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

1

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.

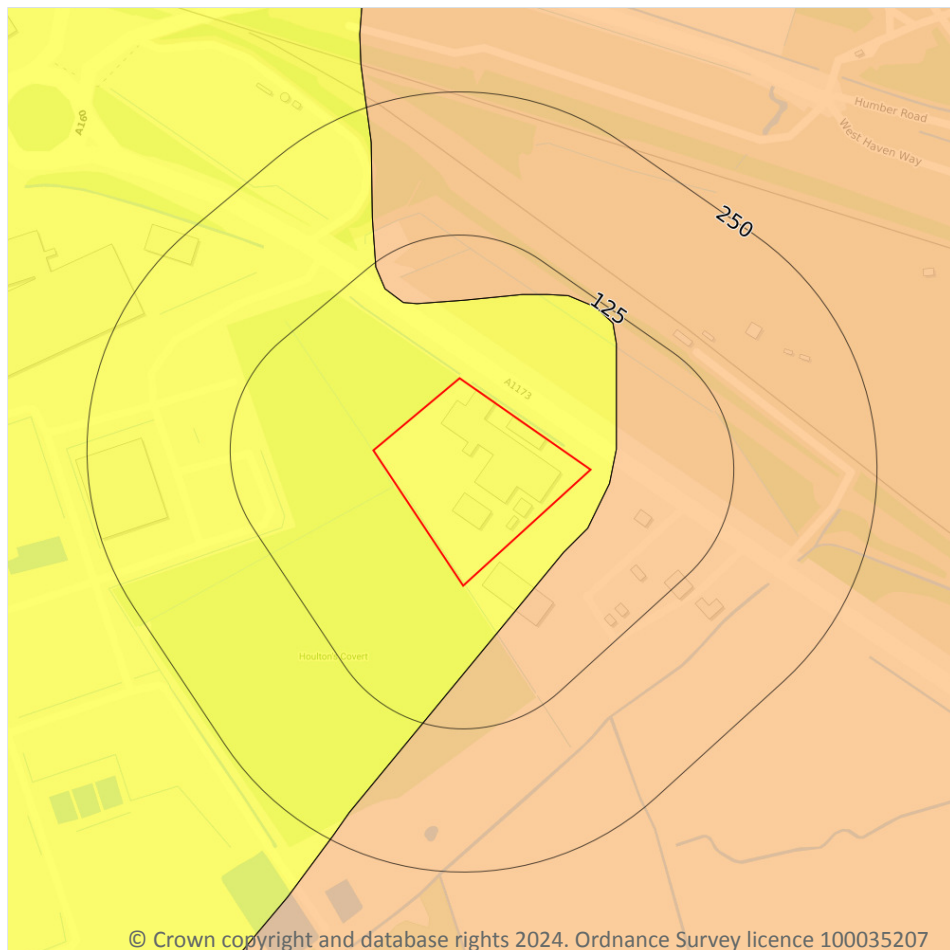
Features are displayed on the Boreholes map on [page 89](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	153m SE	517580 416160	IMMINGHAM DOCK JOBSONS FIELD 9	64.01	N	461254 ↗

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

2

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).

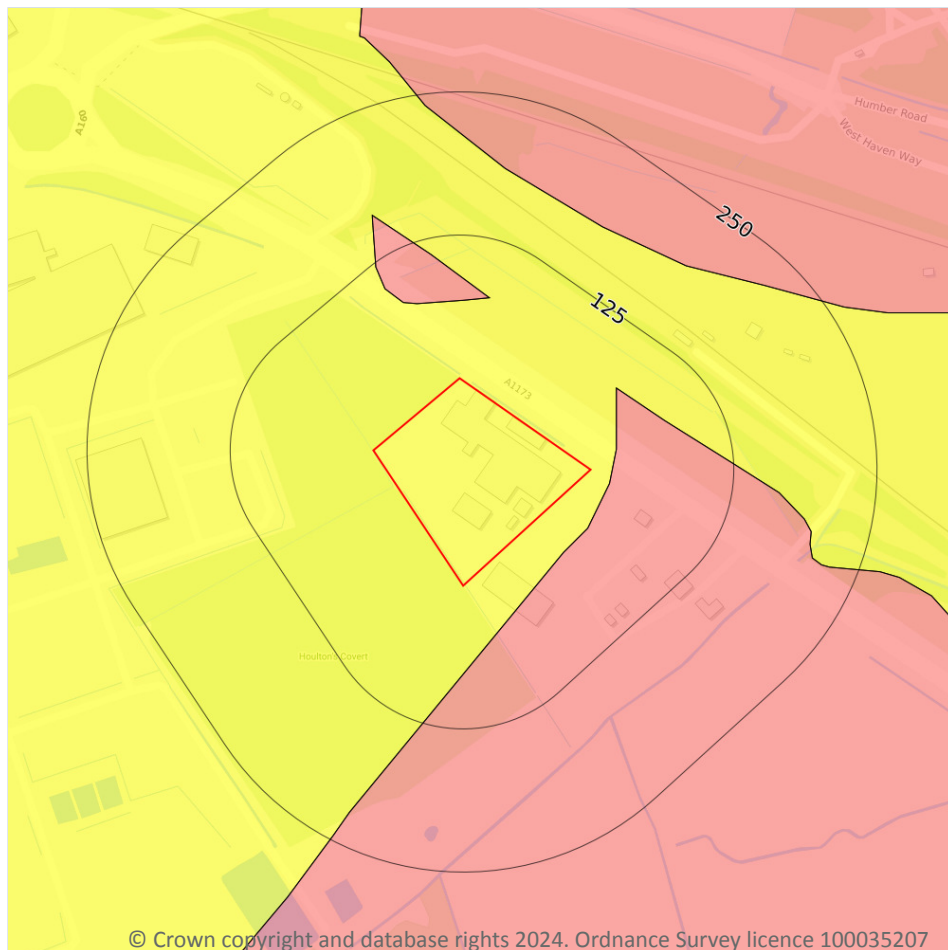
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 90 >](#)

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
19m E	Low	Ground conditions predominantly medium 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

2

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 91](#) >

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.

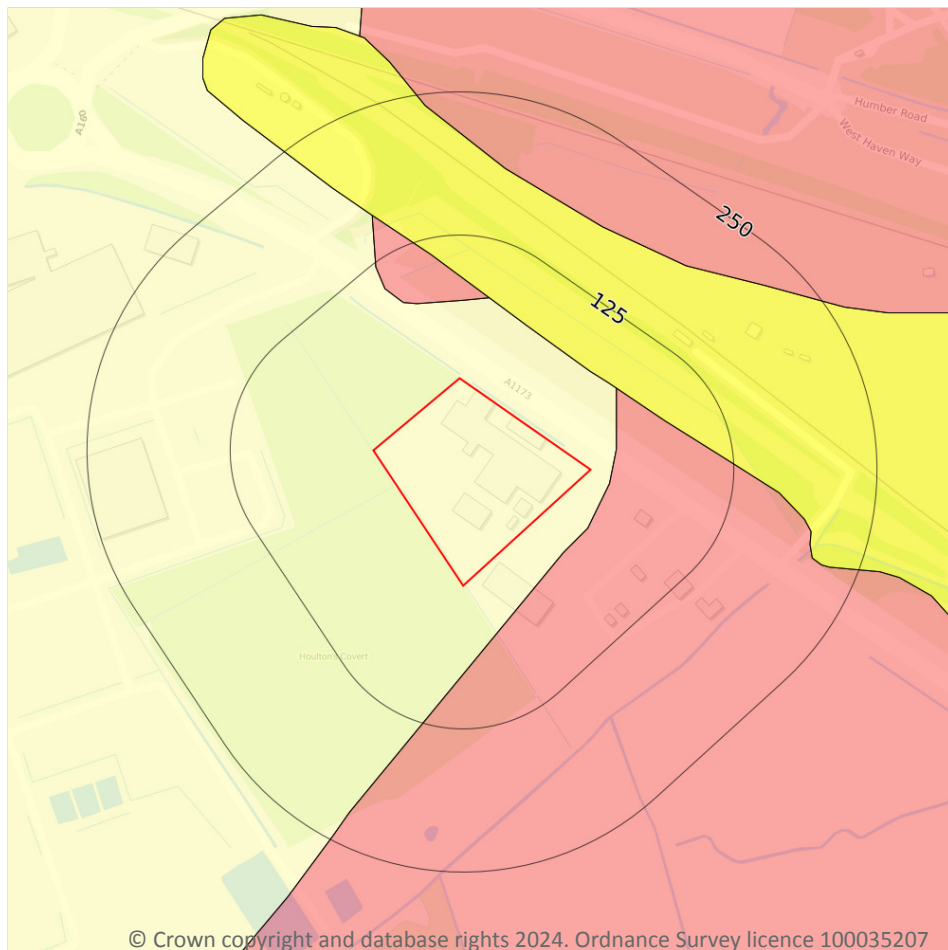


Location	Hazard rating	Details
19m E	Moderate	Running sand conditions are probably present. Constraints may apply to land uses involving excavation or the addition or removal of water.

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

2

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 92 >](#)

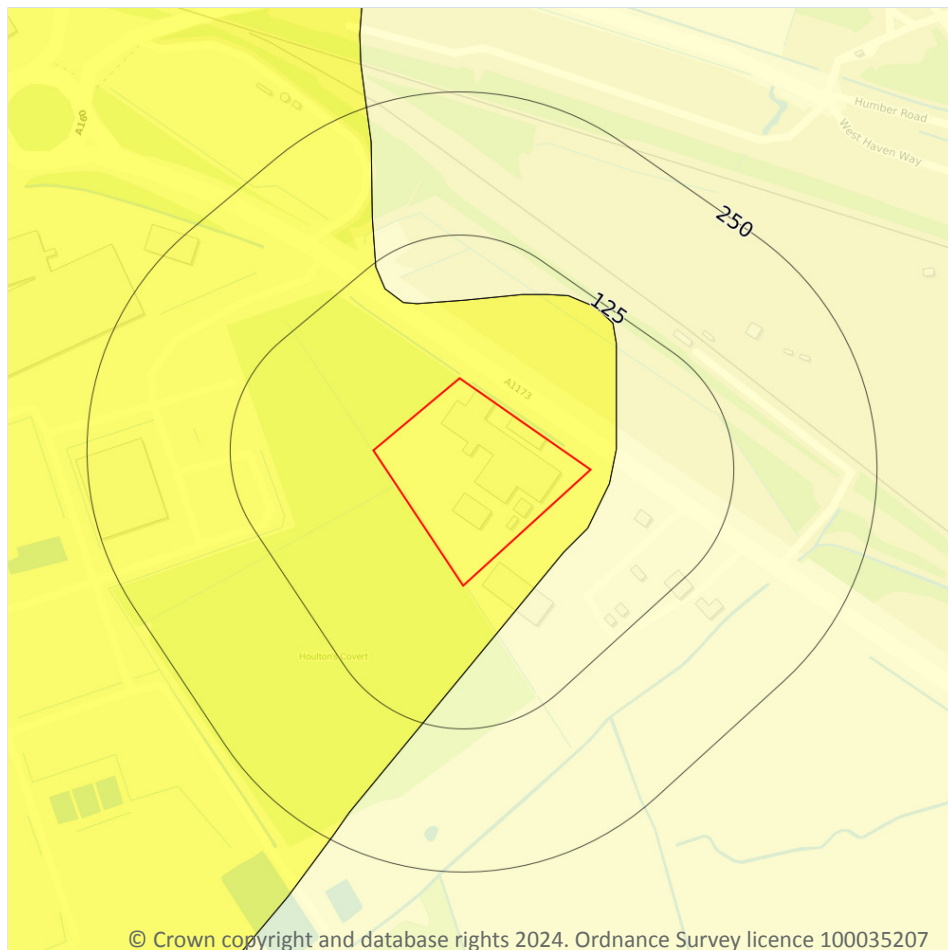
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
19m E	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



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

17.4 Collapsible deposits

Records within 50m

2

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.

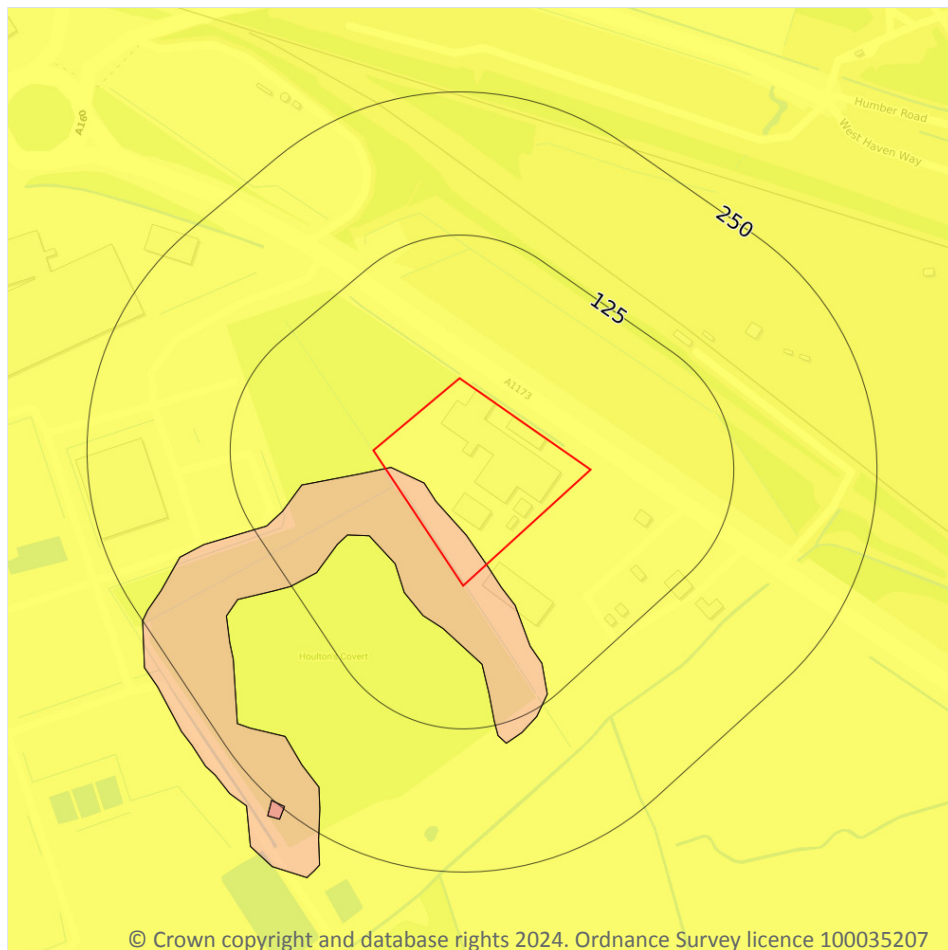
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 93 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
19m E	Negligible	Deposits with potential to collapse when loaded and saturated are believed not 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

17.5 Landslides

Records within 50m

2

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 94](#) >

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.

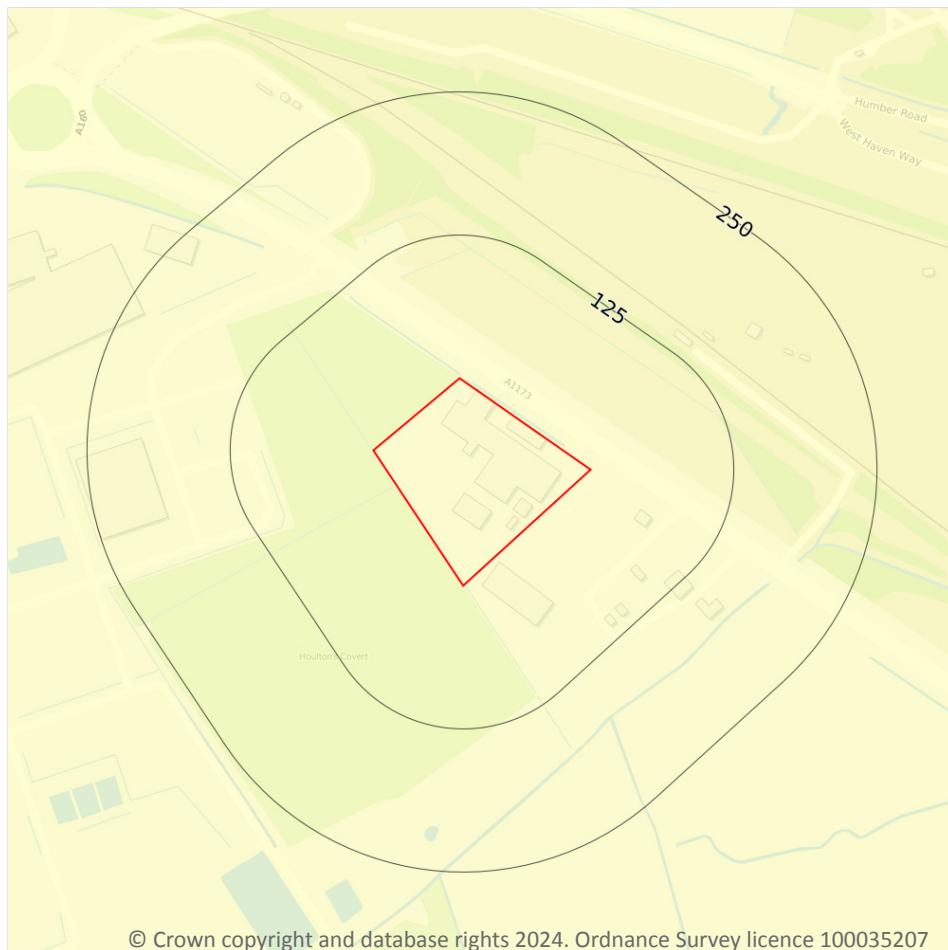


Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

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

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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 95](#)

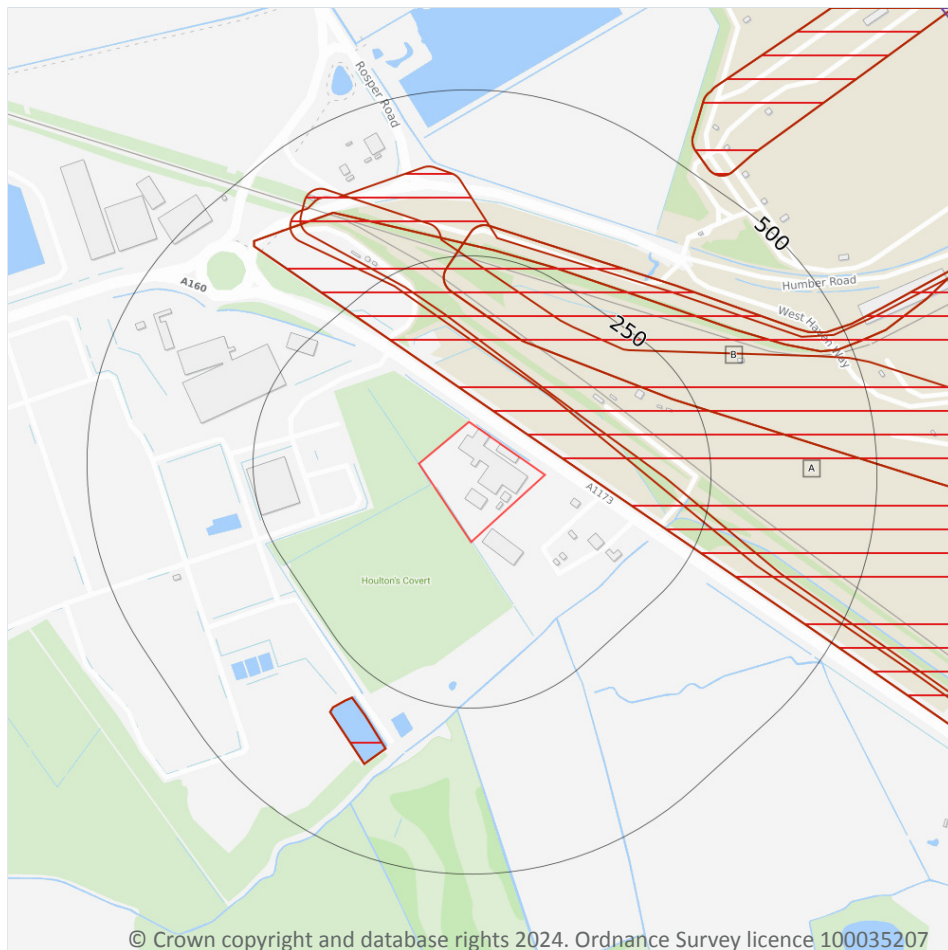
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



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

0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

6

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 96 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	34m N	Dock	1947	1:10560
A	34m N	Dock	1947	1:10560
A	97m NE	Docks	1951	1:10560
A	103m NE	Dock	1968	1:10560
B	146m N	Docks	1974	1:10000
B	146m N	Docks	1983	1:10000

This 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 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

0

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.

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.

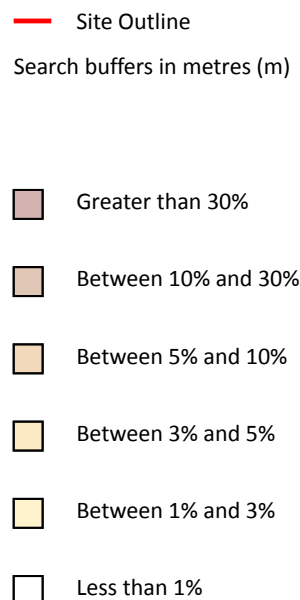
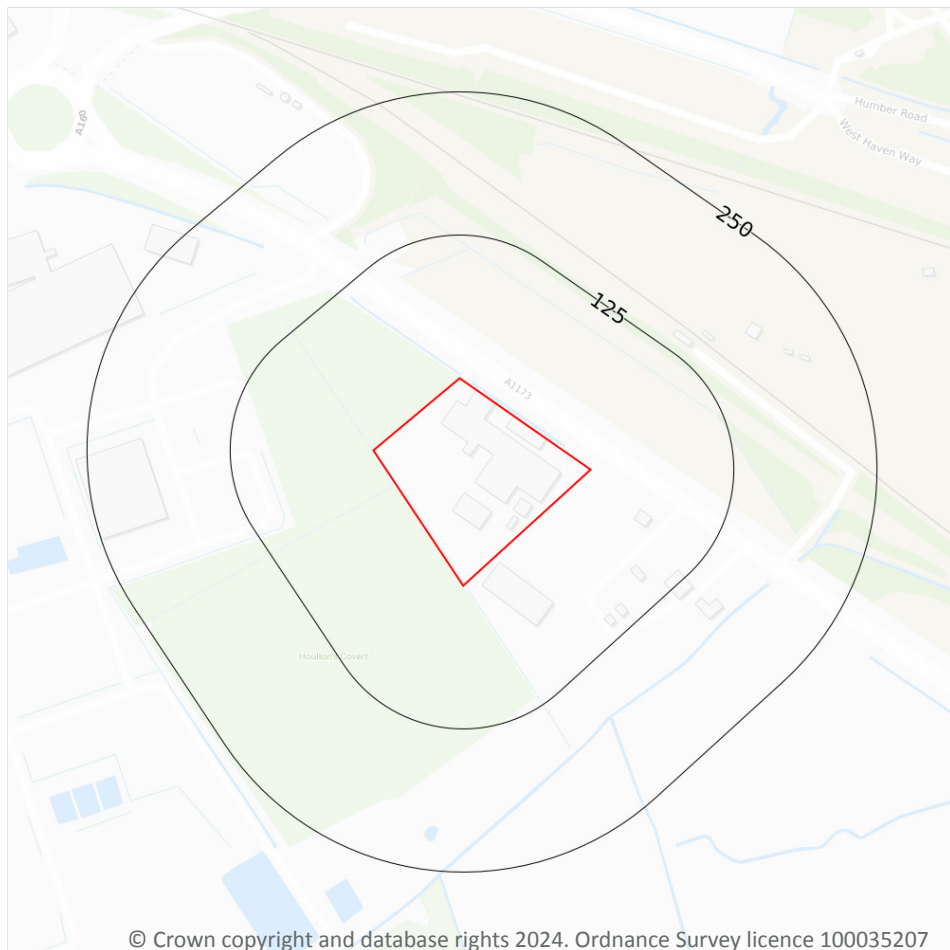
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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



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 102 >](#)

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

4

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	90 - 120 mg/kg	30 - 45 mg/kg
5m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
12m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
24m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 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

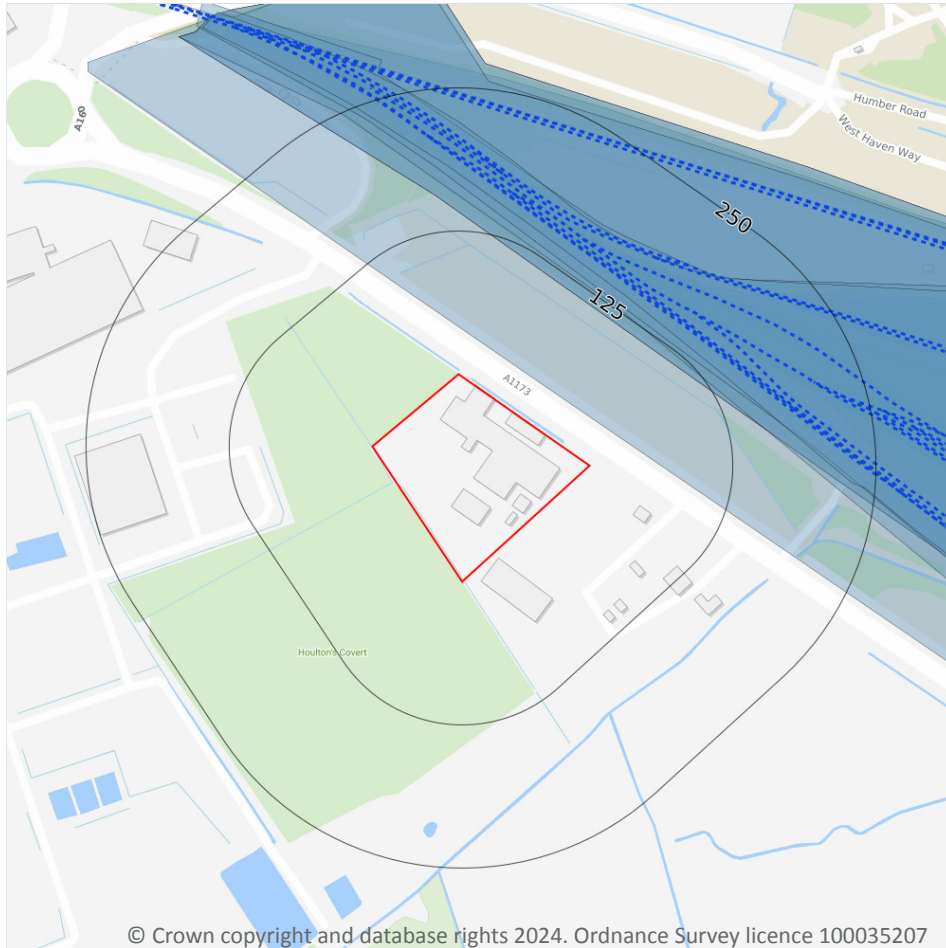
0

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)
- 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

12

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 104 >](#)

Location	Land Use	Year of mapping	Mapping scale
34m N	Railway Sidings	1947	10560
115m NE	Railway Sidings	1974	10000
115m NE	Railway Sidings	1983	10000
122m NE	Railway Sidings	1951	10560
128m NE	Railway Sidings	1968	10560
135m NE	Railway Sidings	1930	10560
150m NE	Railway Sidings	1932	2500
153m NE	Railway Sidings	1973	2500
153m NE	Railway Sidings	1964	2500
153m NE	Railway Sidings	1982	2500
224m NE	Railway Sidings	1982	2500
225m NE	Railway Sidings	1973	2500

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**22**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 104 >](#)

Location	Name	Type
147m NE	Brocklesby and Immingham Branch	rail
149m NE	Not given	Multi Track
149m NE	Not given	Multi Track
151m NE	Brocklesby and Immingham Branch	rail
151m NE	Not given	Multi Track
157m NE		rail
159m NE		rail
161m N	Shunt Spur	rail
162m NE		rail
165m N		rail
169m N	Not given	Multi Track
169m N		rail



Location	Name	Type
179m N		rail
182m NE		rail
185m E	Not given	Multi Track
205m N	Not given	Single Track
209m E		rail
212m N	Brocklesby and Immingham Branch	rail
227m E		rail
231m N	Killingholme Branch	rail
234m N	Not given	Multi Track
234m N	Killingholme Branch	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 HS2

Records within 500m

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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

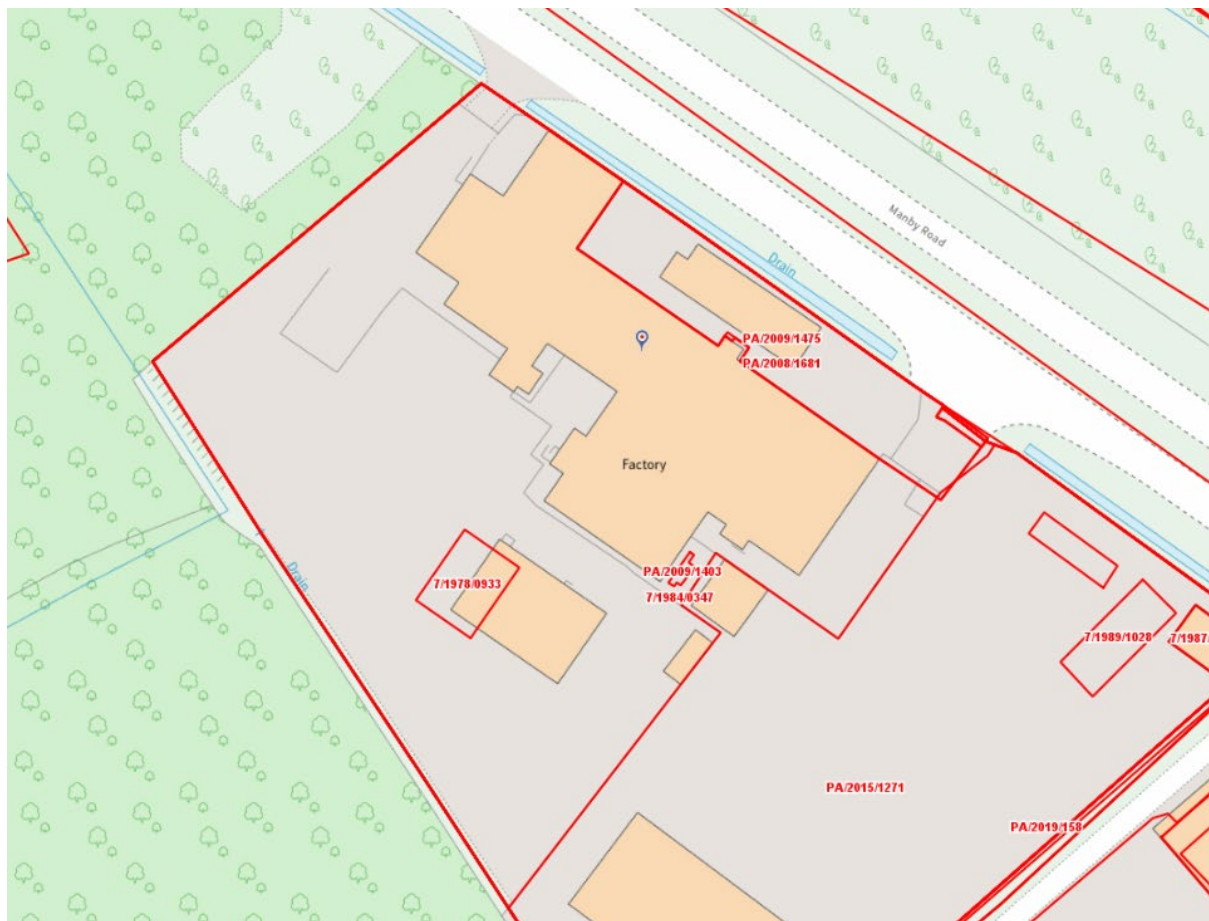
Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

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



Site Location and Planning Reference Map



Planning Applications

Ref No: [7/1978/0631](#)

Proposal: Erect a gate security control building and to alter an existing access to a highway.

Decision: Approve with Conditions

Decision Date: 17/08/1978

Ref No: [7/1985/0673](#)

Proposal: Retain extension to an existing factory for a spin liner facility boiler room and store.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0674](#)

Proposal: Retain factory extension forming shot reclaim unit and l p g storage tank.

Appendix D – Planning History

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0675](#)

Proposal: Retain extension to existing factory forming a shot reclaim facility.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0676](#)

Proposal: Retain extension to existing factory to form a primer facility.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0694](#)

Proposal: Retain 8 portacabin units as portable office and mess accommodation.

Decision: Approve with Conditions

Decision Date: 31/10/1985

Ref No: [7/1979/0428](#)

Proposal: Construct temporary office accommodation.

Decision: Approve with Conditions

Decision Date: 12/07/1979

Ref No: [7/1990/0779](#)

Proposal: Erect extensions to existing portal frame workshops.

Decision: Approve with Conditions

Decision Date: 27/11/1990

Ref No: [7/1986/0577](#)

Proposal: The erection of a boiler enclosure.

Decision: Approve with Conditions

Decision Date: 15/09/1986

Ref No: [PA/2009/1403](#)

Appendix D – Planning History

Proposal: Planning permission to retain a change of use to a mixed use of B2 and B8 and retain extensions and plant equipment

Decision: Approve with Conditions

Decision Date: 19/01/2010

Ref No: [7/1992/0313](#)

Proposal: Erect an extension to existing factory production unit pipe coating process.

Decision: Approve with Conditions

Decision Date: 23/07/1992

Ref No: [7/1988/0917](#)

Proposal: Erection of a welfare building for employees use.

Decision: Approve with Conditions

Decision Date: 12/10/1988

Ref No: [7/1991/0330](#)

Proposal: Erect 2 no units for storage use 1 no unit for mess accommodation and 1 no water storage tank.

Decision: Approve with Conditions

Decision Date: 13/06/1991

Ref No: [PA/1998/1270](#)

Proposal: Planning permission for change of use from B2 (general industrial) to B8 (storage and distribution).

Decision: Approve with Conditions

Decision Date: 20/01/1999

Ref No: [7/1977/0709](#)

Proposal: Erect buildings and change the use of adjoining land for the purposes of engineering and corrosion coating of steel.

Decision: Approve with Conditions

Decision Date: 06/10/1977

Ref No: [7/1978/0669](#)

Proposal: Erect administration offices canteen and welfare block.

Appendix D – Planning History

Decision: Approve with Conditions

Decision Date: 07/09/1978

Ref No: [7/1983/0794](#)

Proposal: Erect a storage building for plant and materials.

Decision: Approve with Conditions

Decision Date: 06/01/1984

Ref No: [7/1984/0347](#)

Proposal: Construct two vehicular accesses.

Decision: Approve with Conditions

Decision Date: 05/07/1984

Planning Applications

Ref No: [7/1978/0631](#)

Proposal: Erect a gate security control building and to alter an existing access to a highway.

Decision: Approve with Conditions

Decision Date: 17/08/1978

Ref No: [7/1985/0673](#)

Proposal: Retain extension to an existing factory for a spin liner facility boiler room and store.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0674](#)

Proposal: Retain factory extension forming shot reclaim unit and l p g storage tank.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0675](#)

Proposal: Retain extension to existing factory forming a shot reclaim facility.

Decision: Approve with Conditions

Appendix D – Planning History

Decision Date: 16/10/1985

Ref No: [7/1985/0676](#)

Proposal: Retain extension to existing factory to form a primer facility.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0694](#)

Proposal: Retain 8 portacabin units as portable office and mess accommodation.

Decision: Approve with Conditions

Decision Date: 31/10/1985

Ref No: [7/1979/0428](#)

Proposal: Construct temporary office accommodation.

Decision: Approve with Conditions

Decision Date: 12/07/1979

Ref No: [7/1990/0779](#)

Proposal: Erect extensions to existing portal frame workshops.

Decision: Approve with Conditions

Decision Date: 27/11/1990

Ref No: [7/1986/0577](#)

Proposal: The erection of a boiler enclosure.

Decision: Approve with Conditions

Decision Date: 15/09/1986

Ref No: [7/1992/0313](#)

Proposal: Erect an extension to existing factory production unit pipe coating process.

Decision: Approve with Conditions

Decision Date: 23/07/1992

Ref No: [7/1988/0917](#)

Proposal: Erection of a welfare building for employees use.

Decision: Approve with Conditions

Appendix D – Planning History

Decision Date: 12/10/1988

Ref No: [7/1991/0330](#)

Proposal: Erect 2 no units for storage use 1 no unit for mess accommodation and 1 no water storage tank.

Decision: Approve with Conditions

Decision Date: 13/06/1991

Ref No: [7/1978/0933](#)

Proposal: Erect a building to be used for a paint shop for a temporary period.

Decision: Approve with Conditions

Decision Date: 27/11/1978

Ref No: [PA/1998/1270](#)

Proposal: Planning permission for change of use from B2 (general industrial) to B8 (storage and distribution).

Decision: Approve with Conditions

Decision Date: 20/01/1999

Ref No: [7/1977/0709](#)

Proposal: Erect buildings and change the use of adjoining land for the purposes of engineering and corrosion coating of steel.

Decision: Approve with Conditions

Decision Date: 06/10/1977

Ref No: [7/1978/0669](#)

Proposal: Erect administration offices canteen and welfare block.

Decision: Approve with Conditions

Decision Date: 07/09/1978

Ref No: [7/1983/0794](#)

Proposal: Erect a storage building for plant and materials.

Decision: Approve with Conditions

Decision Date: 06/01/1984

Ref No: [7/1984/0347](#)

Proposal: Construct two vehicular accesses.

Decision: Approve with Conditions

Decision Date: 05/07/1984

Planning Applications

Ref No: [PA/2008/1681](#)

Proposal: Planning permission to erect a two-storey office block (resubmission of PA/2008/1287)

Decision: Approve with Conditions

Decision Date: 02/02/2009

Ref No: [7/1978/0631](#)

Proposal: Erect a gate security control building and to alter an existing access to a highway.

Decision: Approve with Conditions

Decision Date: 17/08/1978

Ref No: [7/1985/0673](#)

Proposal: Retain extension to an existing factory for a spin liner facility boiler room and store.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0674](#)

Proposal: Retain factory extension forming shot reclaim unit and l p g storage tank.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0675](#)

Proposal: Retain extension to existing factory forming a shot reclaim facility.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Appendix D – Planning History

Ref No: [7/1985/0676](#)

Proposal: Retain extension to existing factory to form a primer facility.

Decision: Approve with Conditions

Decision Date: 16/10/1985

Ref No: [7/1985/0694](#)

Proposal: Retain 8 portacabin units as portable office and mess accommodation.

Decision: Approve with Conditions

Decision Date: 31/10/1985

Ref No: [PA/2008/1287](#)

Proposal: Planning permission to erect a two-storey office block

Decision: Refuse

Decision Date: 03/11/2008

Ref No: [7/1979/0428](#)

Proposal: Construct temporary office accommodation.

Decision: Approve with Conditions

Decision Date: 12/07/1979

Ref No: [7/1990/0779](#)

Proposal: Erect extensions to existing portal frame workshops.

Decision: Approve with Conditions

Decision Date: 27/11/1990

Ref No: [7/1986/0577](#)

Proposal: The erection of a boiler enclosure.

Decision: Approve with Conditions

Decision Date: 15/09/1986

Ref No: [7/1992/0313](#)

Proposal: Erect an extension to existing factory production unit pipe coating process.

Decision: Approve with Conditions

Decision Date: 23/07/1992

Appendix D – Planning History

Ref No: [7/1988/0917](#)

Proposal: Erection of a welfare building for employees use.

Decision: Approve with Conditions

Decision Date: 12/10/1988

Ref No: [7/1991/0330](#)

Proposal: Erect 2 no units for storage use 1 no unit for mess accommodation and 1 no water storage tank.

Decision: Approve with Conditions

Decision Date: 13/06/1991

Ref No: [PA/2009/1475](#)

Proposal: Application for non material amendment following grant of permission PA/2008/1681 granted 02/02/09 to allow alterations to roof

Decision: Approve

Decision Date: 11/01/2010

Ref No: [PA/1998/1270](#)

Proposal: Planning permission for change of use from B2 (general industrial) to B8 (storage and distribution).

Decision: Approve with Conditions

Decision Date: 20/01/1999

Ref No: [7/1977/0709](#)

Proposal: Erect buildings and change the use of adjoining land for the purposes of engineering and corrosion coating of steel.

Decision: Approve with Conditions

Decision Date: 06/10/1977

Ref No: [7/1978/0669](#)

Proposal: Erect administration offices canteen and welfare block.

Decision: Approve with Conditions

Decision Date: 07/09/1978

Ref No: [7/1983/0794](#)

Appendix D – Planning History

Proposal: Erect a storage building for plant and materials.

Decision: Approve with Conditions

Decision Date: 06/01/1984

Ref No: [7/1984/0347](#)

Proposal: Construct two vehicular accesses.

Decision: Approve with Conditions

Decision Date: 05/07/1984

Appendix D – Planning History

