

Hazcare Limited

Site Condition Report

Application for a Bespoke Environmental Permit for a Waste Transfer Station

Gibson Lane South, Melton, Hull, East Riding of
Yorkshire, HU14 3HN

Report Ref: CE-GL-1817-RP02-SCR-Final



Science, Technology & Prototyping Centre, University of Wolverhampton Science Park, Glaisher Drive,
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December 2021

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Final	20/12/2021	Louise Parsons BSc (Hons), MSc	Stuart Thompson BSc (Hons), MCIWM, CEnv

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We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

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DRAWINGS

Drawing No CE-GL-1817-DWG01 Site Boundary and Layout Plan

APPENDICES

Appendix 1 Groundsure Enviro Insight Report

1 SITE DETAILS

1.1 BACKGROUND

- 1.1.1 Crestwood Environmental Ltd. have been instructed by Hazcare Ltd (*the Operator*), who will be operating the facility, to prepare and submit a Site Condition Report in support of the application for a Bespoke Environmental Permit for a Waste Transfer Station at Gibson Road South, Melton, Hull, HU14 3HN (*the Site*).
- 1.1.2 The Site will accept both hazardous and non-hazardous waste streams. Given that no more than 10 tonnes of hazardous wastes will be received per day with no more than 50 tonnes stored on-Site at any one time, the Site is classified as a Schedule 9 'Waste Operation' under the Environmental Permitting (England and Wales) Regulations 2016 and not under Schedule 1 of the Regulations as it is not an Installation.
- 1.1.3 This Site Condition Report has been prepared using the Environment Agency H5 Guidance and supporting Template.
- 1.1.4 Site details are shown in Table 1 below.

Table 1: Site Details

Site Details	
Name of the Applicant	Hazcare Ltd.
Activity Address	Gibson Lane South, Melton, Hull, HU14 3HN
National Grid Reference	SE 96885 25640
Document Reference and Dates for Site Condition Report at Permit Application and Surrender	CE-GL-1817-RP02-SCR-Final December 2021
Document References for Site Plans (including location and boundaries)	Drawing No CE-GL-1817-DWG01

2 CONDITION OF LAND AT PERMIT ISSUE

2.1 THE SITE AND SURROUNDING AREA

- 2.1.1 The Operator intends to store and process non-hazardous and hazardous waste at the Site, the location of which is shown on Drawing No. CE-GL-1817-DWG01. Hazardous wastes will be stored and processed in a fully enclosed dedicated building whilst the non-hazardous wastes will be stored and processed in dedicated bays at a designated area of the Site entirely separate from the hazardous waste building.
- 2.1.2 All degradable and combustible non-hazardous wastes will be stored on an engineered concrete

pavement with sealed drainage system. Inert wastes may be stored on hardstanding or concrete. Wastes will be stored in engineered bays (according to the waste type), where materials will be bulked up and processed according to customer requirements, prior to removal from the Site to authorised facilities.

- 2.1.3 The Site, centred on National Grid Reference: SE 96885 25640 is located in the village of Melton, East Riding of Yorkshire approximately 13km west of the city centre of Hull. Access to the Site is gained via Gibson Lane on the eastern edge of the Site which in turn is accessed from the A63 to the north. Bayram Timber is the closest business unit located directly west of the Site's permit boundary and extending to the south, refer to Drawing No CE-GL-1817-DWG01
- 2.1.4 Other businesses in close proximity include M-AR off-site Construction Specialists c. 60m to the west, Melton Enterprise Park at c.240m to the north east and Transwaste at c. 235m to the north. There is a sewage works c. 105m north of the Site and a Water Ski Club c.588m to the west of the Site. There is parcel of derelict land adjacent to the west, fields directly to the east on the opposite side of Gibson lane whilst the River Humber is located south of the Site beyond Bayram Timber at c.220m at the closest point.
- 2.1.5 In terms of residential receptors, the closest are a row of bungalows located c. 825m north of the Site. Within a radius of 1000m from the permit boundary, there are no further residential receptors identified. The village of North Ferriby, which comprises mostly of residential properties is c 1.40m to the east of the Site, the residential area of Melton is c.155m to the north and the village of Welton is located c.170m to the north west.
- 2.1.6 Although the immediate vicinity of the Site consists of industrial units and businesses, the wider surrounding landscape is predominantly rural with agricultural fields. The tributary Old Drain is located c. 83m to the north east of the Site at the most proximal point and flows in an east to south direction into the River Humber.
- 2.1.7 Within a 2km radius of the application, there are eight European Designated Environmental sites consisting of three Sites of Special Scientific Interest (SSSI), one Special Area of Conservation (SAC), two Special Protection Area (SPA) and two RAMSAR sites. There are no identified National Nature Reserves or Local Nature Reserves within 2km of the Site. Reference should be made to Section 2.6 for further details.
- 2.1.8 A H1 Accidents and Amenity Risk Assessment has been prepared as part of the Environmental Permit Application. Reference should be made to document CE-GL-1817-RP03.

2.2 GEOLOGY

- 2.2.1 The British Geological Survey (BGS) maps (<http://mapapps.bgs.ac.uk/geologyofbritain/home.html>) state that the superficial deposits on the Site and the immediate vicinity are Alluvium and comprise of clay, silt, sand and gravel, fluvial in origin.
- 2.2.2 In terms of bedrock geology, the Site is underlain with Mudstone, Siltstone and Sandstone of the Ancholme Group which consists of the West Walton Formation, the Amptill Formation and the Kimmeridge Formation (undifferentiated) . These deposits are typically coarse to fine grained detrial

sediments forming interbedded sequences that are shallow-marine in origin. As such, there is some carbonate content locally.

- 2.2.3 The Site is not on or adjacent to land designated nationally or locally for its geological importance.

2.3 HYDROLOGY AND HYDROGEOLOGY

Surface Water / Rivers

- 2.3.1 Within a 250m radius of the Site's boundary, there is one identified water feature, termed as the Old Drain located 83m to the north-east of the Site at its closest extent. With a south easterly flow regime, this merges into the Redcliff Channel of the River Humber orientated to the south of the Site at c. 395m. It does not fall under a water body catchment as it is located in a coastal catchment area. The operational catchment is Lower Hull whilst the management catchment is Hull and East Riding.

- 2.3.2 Under the Water Framework Directive, there are no surface water bodies identified within a 250m radius of the Site.

Licensed Discharges to Controlled Waters

- 2.3.3 Based on information from the Groundsure Enviro Insight Report (refer to Appendix 1), there are three records of discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991. For ease of reference, these have been tabulated below in Table 2.

Table 2: Licensed Discharges to Controlled waters within 500m of the Site

Distance/ Direction	License Holder	Details	Status
396m SE	Capper Pass Ltd, Melton Works, North Ferriby	Trade Discharges, Process Effluent into the River Humber	Revoked 15/02/1998
396m SE	Capper Pass Ltd, No 2 outfall	Trade Discharges, Process Effluent into the River Humber	Post NRA legislation where issue date is before 31/08/1989
474m E	Capper Pass Ltd, Melton Works, North Ferriby	Trade Discharges – Site Drainage into the River Humber	Revoked 01/03/2000

Surface Water Abstractions

- 2.3.4 Within 2000m of the Site, records indicate that there is one licensed surface water abstraction which is located 1548m to the north-west. Its status is historical and its purpose was for direct spray irrigation. The maximum daily volume was 72.736m³ and the water was sourced from the tributary Pool Beck.

Groundwater Abstractions

- 2.3.5 Licensed groundwater abstractions are for sites that extract more than 20 cubic metres of water per day. There are twenty such licences identified, one active and nineteen historical, within 2000m of the Site's permit boundary. Table 3 below provides details.

2.3.6 **Table 3 : Groundwater Abstraction within 2000m**

Location	Licence Holder	Details	Status
629m N	OMYA UK Ltd	General Cooling (Low Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
629m N	OMYA UK Ltd	General Cooling (High Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
629m N	OMYA UK Ltd	Effluent/Slurry Dilution, sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
629m N	OMYA UK Ltd	General Cooling (Low Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
629m N	OMYA UK Ltd	General Cooling (High Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
629m N	OMYA UK Ltd	Effluent/Slurry Dilution, sourced from Superficial Drift	Historical 20/01/1966-02/07/2013
629m N	OMYA UK Ltd	General Cooling (High Loss), sourced from Superficial Drift	Historical 20/01/1966-02/07/2013
629m N	OMYA UK Ltd	General Cooling (Low Loss), sourced from Superficial Drift	Historical 20/01/1966-02/07/2013
755m N	OMYA UK Ltd	General Cooling (Low Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
755m N	OMYA UK Ltd	General Cooling (High Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
755m N	OMYA UK Ltd	Effluent/Slurry Dilution, sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
755m N	OMYA UK Ltd	General Cooling (Low Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
755m N	OMYA UK Ltd	General Cooling (High Loss), sourced from Superficial Drift	Historical 20/01/1966-01/05/1998
755m N	OMYA UK Ltd	Effluent/Slurry Dilution, sourced from Superficial Drift	Historical 20/01/1966-02/07/2013
755m N	OMYA UK Ltd	General Cooling (Low Loss), sourced from Superficial Drift	Historical 20/01/1966-02/07/2013
755m N	OMYA UK Ltd	General Cooling (High Loss), sourced from Superficial Drift	Historical 20/01/1966-02/07/2013
1880m NW	Sayer	Direct Spray Irrigation sourced from Kellaway Beds	Historical 17/04/1975-01/02/1998

Location	Licence Holder	Details	Status
1880m NW	Sayer	Direct Spray Irrigation sourced from Kellaway Beds	Historical 17/04/1975-01/02/1998
1880m NW	Sayer	Direct Spray Irrigation sourced from Kellaway Beds	Historical 17/04/1975-01/02/1998
1881m NW	Robert M Sayer	Direct Spray Irrigation sourced from Kellaway Beds	Active Original Start Date 17/04/1975-Version Start Date 09/01/2008

Aquifer Classification

- 2.3.7 Based on records gathered from the British Geological Survey website <http://mapapps.bgs.ac.uk/geologyofbritain/home.html> and information in the Groundsure report, the groundwater on Site would be held within the superficial deposits which has an aquifer status of Secondary A, that being permeable layers capable of supporting water supplies at a local rather than strategic scale and in some cases, forming an important source of base flow to rivers.
- 2.3.8 Designated as an Unproductive aquifer, the bedrock geology on-Site are rock layers with low permeability that have a negligible significance for water supply or river base flows.

Groundwater Source Protection Zones

- 2.3.9 These zones ensure water is consumable as well as assisting in the monitoring of the risk of contamination from any activities that potentially cause pollution in the area. A Source Protection Zone defines the sensitivity around a deep groundwater abstraction to contamination. The Site location is not defined as a Groundwater Source Protection Zone although the Superficial Deposits on-Site are defined as having a high vulnerability whereas the bedrock geology is classified as an unproductive vulnerability.

Nitrate Vulnerable Zone

- 2.3.10 Nitrate Vulnerable Zones (NVZ), under the EC Nitrate Directive (91/676/EEC), are designated areas of land that drain into nitrate polluted waters or waters which have the potential to become polluted by nitrates. They are defined as 'catchments where nitrate concentrations in sources of public drinking water exceed, or are likely to exceed, the EC limit of 50 milligrams per litre'. Records show that within 2000m of the Site, there are two identified NVZ. Both are within the groundwater held in the Yorkshire Chalk Formation with the NVZ identification of G106 at 1303m to the north and 1495m to the east of the Site.

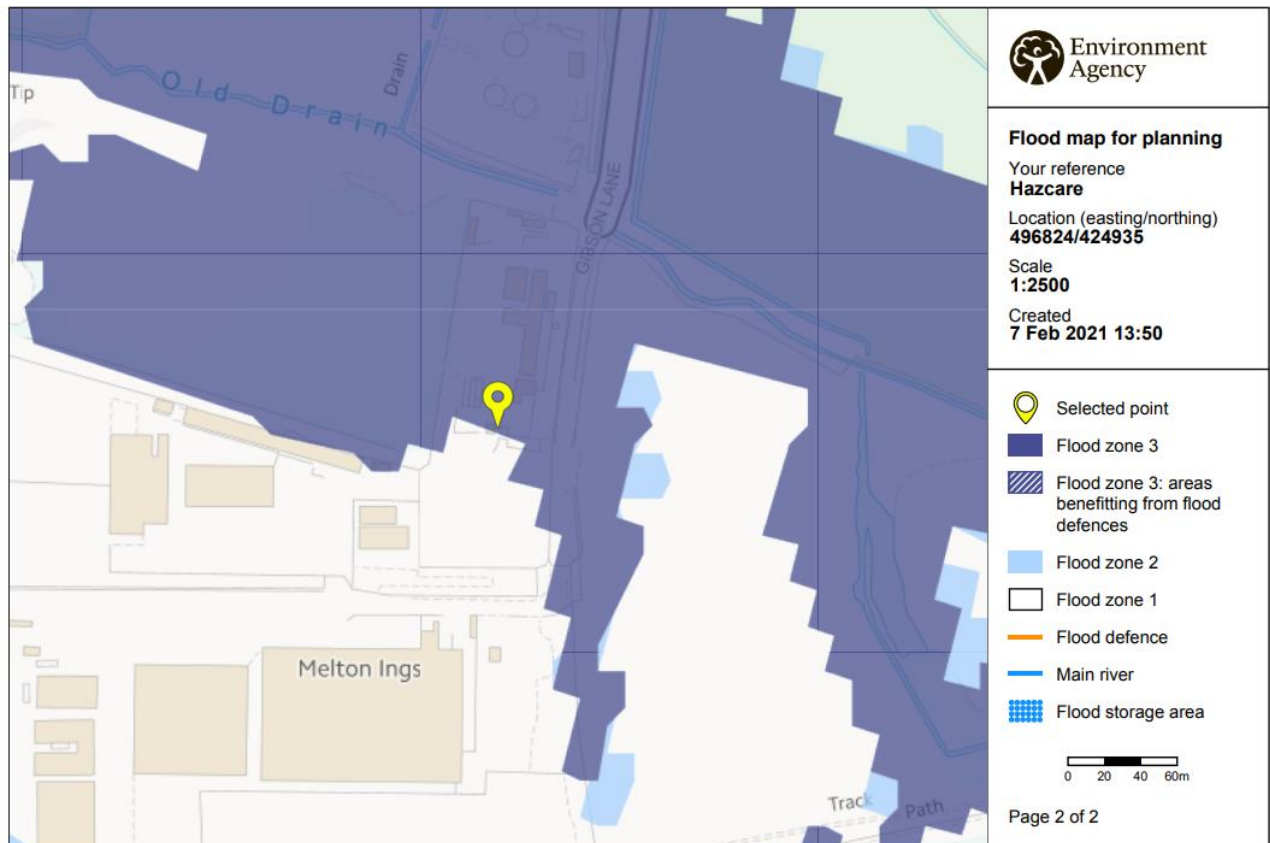
2.4 FLOOD RISK

Surface Water Flood Risk

- 2.4.1 According to Environment Agency (EA) records and as indicated in the appended Groundsure Report, in terms of river and coastal flooding, the Site occupies an area of land categorised as both a flood zone 2 and a flood zone 3.

2.4.2 A flood zone 3 is defined as an area of land pertaining to a 1% chance of flooding each year from rivers and a 0.5% chance of flooding from the sea each year. By being in a flood zone 2, the Site has a medium probability of flooding from rivers or the sea where the likelihood of 0.1% each year (see Figure 1 below. Note that the flood zone 2, denoted as a lighter blue than flood zone 3, is not visible on the map where the Site is located due to the area occupying both zones).

Figure 1. Surface Water Flood Risk Map for Planning



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2.4.3 Within 250m of the Site, there are no records of historical flood events or flood storage areas. There is an area that benefits from flood defenses situated approximately 250m to the north of the Site at its closest extent.

2.4.4 Despite records indicating that there is a Flood Zone 2 or 3 areas within 50m of the Site, the Ambient Risk Analytics surface water FloodMap identifies that the highest risk of flooding on the Site as a result of an extreme rainfall event i.e. land naturally vulnerable to surface water flooding or ponding, is negligible and would occur 1 in 30 years, 0.1-0.3m.

Groundwater Flood Risk

2.4.5 The risk assessment for groundwater flooding is based on a 1 in 100 year return period and a Digital Terrain Model (DTM) which indicates that the highest risk on Site and within 50m of the boundary is high.

2.5 INFILLED LAND

2.5.1 Infilled land is 'areas where the ground has been cut away then wholly or partially backfilled'. According to EA regulation, BGS records and Local Authority (LA) and historical mapping records, the Groundsure report (appended as Appendix 1) identifies one active or recent landfilled area and four historical landfilled areas within a 500m radius of the Site.

2.5.2 Of the four identified historical landfill, three are known historical landfill sites where there is no PPC permit or waste management licence currently in force. This includes sites that existed prior to the waste licensing regime and sites that were licenced in the past but the licence was revoked, ceased to exist or surrendered with a certificate of completion issued. Table 4 below outlines the details of these sites.

Table 4: Active, Recent or Historical Landfill within 500m

Location	Operator/Address	Waste Types/Details	Dates/Status
235m W	Sam Allon Ltd, Melton Ings, Gibson Lane, Melton, East Yorkshire, HU14 3HF	Household, Commercial and Industrial	Dates not specified/closed
186m W	APCM Ltd, Melton, Yorkshire	Not specified	Dates not specified/historical
On Site	A.P.C.M. Limited, Melton, Yorkshire	Inert and Industrial	First recorded 31/12/1947/historical
11m E	Capper Pass and Son limited, Brickyard Lane, Melton	Inert and Industrial	01/01/1992-08/06/1993
102m NE	Capper Pass and Son limited, Brickyard Lane, Melton	Inert, Industrial and Commercial	01/01/1937-31/12/1992

2.6 ENVIRONMENTAL DESIGNATIONS/PROTECTED SITES

2.6.1 The Magic Map website (<http://www.natureonthemap.naturalengland.org.uk/magicmap.aspx>) shows that there are eight European Sites (i.e. Special Area of Conservation (SAC), Special Protection Areas (SPA`s), RAMSAR sites), Sites of Special Scientific Interest (SSSI), national Nature Reserve (NNR), Local Nature Reserve (LNR) or other statutory within a 2km radius of the application.

2.6.2 Of these, three are designated statutory SSSI, the closest being the Humber Estuary which is 221m south of the Site`s boundary. A further section of the Humber Estuary is also a SSSI at 551m to the east of the Site. Melton Bottom Chalk Pit at 1736m to the north is another identified SSSI within 2000m of the Site.

2.6.3 There are two Conserved wetland sites (Ramsar Sites), designated under the Convention on Wetlands of International Importance, within 2000m of the Site`s boundary. Both are portions of the Humber Estuary, the largest macro-tidal estuary on the British North Sea coast, at 220m to the south and

1944m to the west of the Site. Detailed overviews of the species these areas support can be found in the Groundsure report in Appendix 1.

- 2.6.4 The portion of the Humber Estuary located at 221m to the south of the Site is also designated as a SAC with the features of interest being the 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 and common seal.
- 2.6.5 In addition, there are two sections of the Humber Estuary classified as a SPA at 221m to the south and 1877m to the east of the Site. The species of interest along with the habitat description is outlined in the appended Groundsure Report.
- 2.6.6 SSSI Impact Risk Zones have been developed in order to allow for the assessment of potential risks that development proposals may pose to SSSI's. Records indicate that the Site itself occupies an area defined as a SSSI Impact Zone. As such, some types of developments require consultation; details of which are:
- 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, 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 development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores).
 - Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

- Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.
- Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.
- Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream (NB this does not include discharges to mains sewer which are unlikely to pose a risk at this location).
- 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.

2.6.7 Within a 2000m radius of the Site, there are no identified NNR, LNR, Designated Ancient Woodland, Biosphere Reserves, Forest Parks, marine Conservation Zones, green Belt or Proposed Ramsar, Possible SAC or Potential SPA.

2.7 POLLUTION HISTORY

Pollution Incidents that may have affected the Land

- 2.7.1 The Groundsure report shows that there have been no reported pollution incidents on the Site itself whilst three are recorded to have occurred within 500m of the boundary. At the closest extent, there was a pollution incident 365m to the south west of the Site categorised as causing significant environmental impact to air i.e. it may have persistent and extensive effects on the quality of the environment, there may be major damage to the ecosystem, agriculture and commerce and it may have a serious impact upon man. The pollutant in this instance was smoke and the incident occurred on 26 September 2019, incident number 1741510. There was no impact to water and a minor impact to land.
- 2.7.2 A further significant impact to air was recorded 466m north of the Site on 16 January 2019 (incident number 1674492), with the pollutant described as `other odour`. This incident posed no impact to water or land.
- 2.7.3 The final pollution event involved asbestos, incident identification 90269, took place on 09 July 2002 at 495m north east of the Site where a significant impact was caused on land, a minor air impact and no impact to water.
- 2.7.4 There are no records indicating within 500m of the Site that there are any Sites determined as Contaminated Land, there are no Control of Major Accident Hazards, Regulated Explosive Sites, Hazardous Substance Storage/Usage, Historical Licenced Industrial Activities or Licenced Industrial Activities (Part A(1)).
- 2.7.5 Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances into the environment indicate three sites within 500m of the Site, the closest of which is 26m to the north. The licence holder is Hodge Clemco Ltd, Gibson Lane, Melton HU14 3HN and the status of the permit is a current Part B for `Other`

Mineral Processes.

Historical Land Uses and Associated Contaminants

2.7.6 On the Site itself, there have been four historical industrial land uses identified that were potentially contaminative. These have been digitised from historical Ordnance Survey mapping from the original un-grouped map features (records that are intelligently grouped show three industrial land uses), and are tabulated below in Table 5. Within 500m of the Site, a further twenty-six industrial land uses recorded ranging from between 2m and 482m from the boundary of the Site.

Table 5: Historical Industrial Land Uses on the Site

Land Use	Dates Present
Tramway Sidings	1928
Refuse Heap	1971-1994
Unspecified Works	1994

2.7.7 In addition, original un-grouped map features from digitised Ordnance Survey mapping show three Historical tanks were present on-Site with one identified in 1995 and two in 1987. Between 8m at the closest extent to 477m at the furthest, fourteen more tanks have been recorded with the earliest being in 1927 and no more recorded since 1995.

2.7.8 Historical maps of the Site obtained from www.old-maps.co.uk have been reviewed as part of this Site Condition Report. The plans date back to 1855, refer to Table 2 below:

Table 6: Sequence of Historical Activities on Site

Date	Land Use
1855	The Site and surrounding area is predominantly agricultural land and plantations. There is a brick and tiles work located to the south-east of the Site adjacent to the river Humber and a railway to the north.
1891	Largely no change.
1892	No change from the previous map
1906	Largely no change
1910	The Brick and Tile yard has extended westwards and northwards with evidence of quarried areas and there is a tramline traversing through it leading to the jetty. The Site and land immediately bounding it is unchanged and remains undeveloped.
1927	The brick and Tile Yard is no longer operational and the buildings are now residential properties marked as Brickyard Cottages. Hasslers indicate raised heaps of various sizes are present to the south of the Site whilst the Site itself is vacant.
1952-1953	The raised heaps observed in the previous map are shown as disused clay pits. A smelting works occupies a piece of land to the north-east of the Site whilst the Site remains unchanged.
1969-1970	Largely unchanged
1971-1972	The disused clat pit to the south of the Site is infilled with water and what appears to be sandy gravelly material covers the land adjacent. A larger pit is also infilled with water to the south west and is marked as a Water Ski Club. The Site is unchanged

Date	Land Use
1972-1995	There are two small buildings erected on the Site marked as Works which are similar to those at present. A square patch of baron land is immediately to the south. A Timber Yard is shown beyond this to the south adjacent to the River Humber and there are three buildings north of this adjacent to the south west of the Site.

Evidence of Historic Contamination

2.7.9 The Site Walkover was undertaken on the 22 October 2020 by a Technical Director from Crestwood Environmental Ltd. The majority of the external area of the Site consists of a yard with a made ground surface. There is also enclosed, dedicated buildings comprising a fully concreted floor. There were no visible signs of likely ground contamination, oil or diesel contamination or ground staining by hydrocarbons. There was no evidence of vegetation stress in the vicinity of the Site.

3 PERMITTED ACTIVITIES

3.1 OVERVIEW

3.1.1 The Operator, Hazcare Ltd propose to operate a waste transfer station which comprises of a dedicated building containing four bays for the sorting, storage and transfer of hazardous and non-hazardous materials.

3.1.2 Waste streams will be stored in IBC's and sealed drums within the bays constructed of fireproof walls. A list of waste types accepted at the Site can be found in the facilities Environmental Management System (EMS), document reference: CE-GL-1817-RP01-Final.

3.1.3 Activities fall under The Waste Framework Directive (2008/98/EC) by virtue of Annex II, R5, R 10 and R13

Table 3: Permitted Activities

Storage / Treatment Process	Annex IIA/IIB operations
Transfer of waste: hazardous	Annex IIA D15 Annex IIB R13
Transfer of waste: non-hazardous	Annex IIB R13
Secure storage of waste prior to transfer	Annex IIB R13

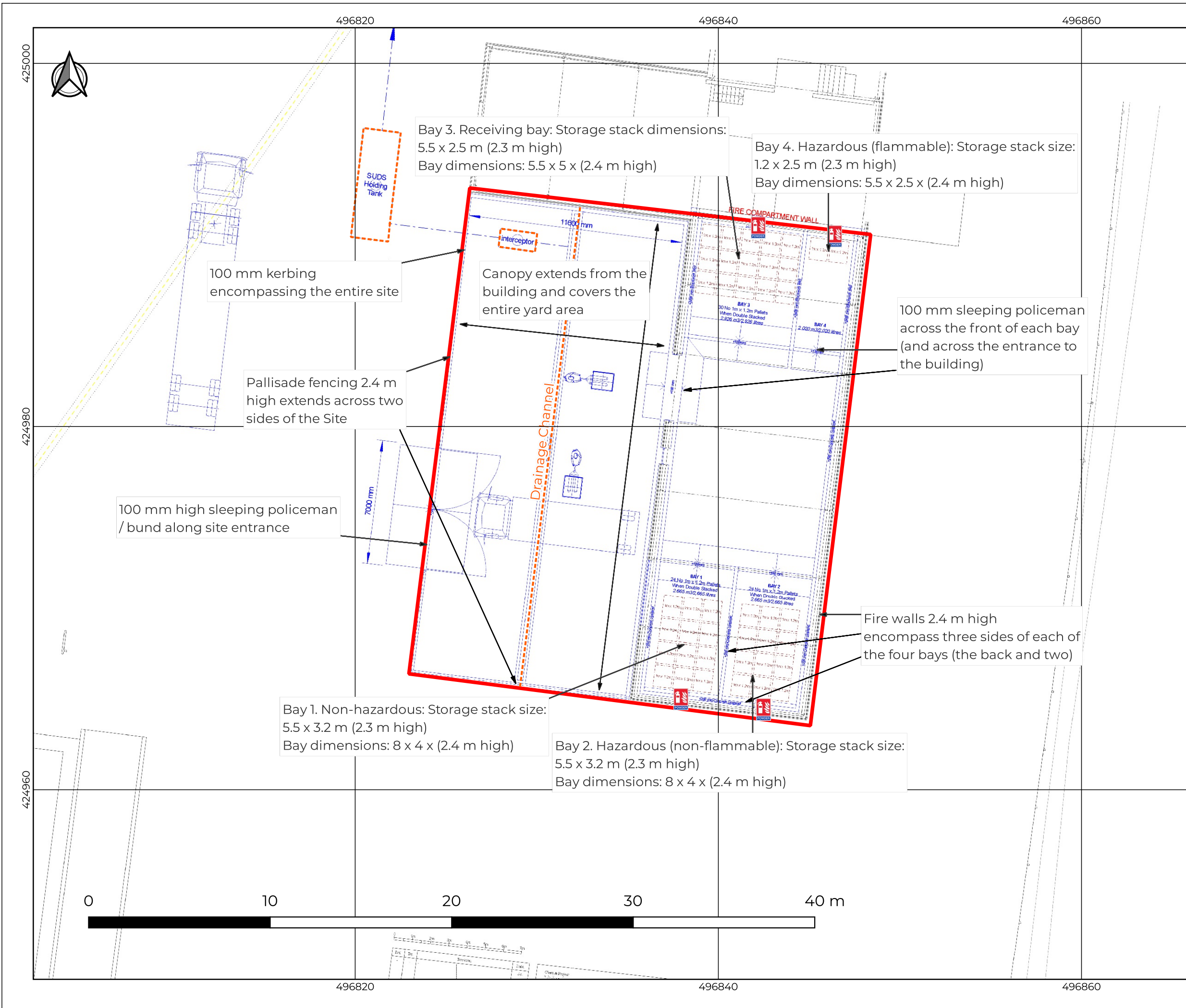
Substances

3.1.1 Oils and grease will be required for maintenance of the treatment facility.

3.1.2 No substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) Regulations will be used at the Site.

DRAWING

CE-GL-1817-DWG01 SITE BOUNDARY AND LAYOUT PLAN



- Legend:**
- Permit Boundary
 - Fire extinguishers
 - Drainage features

CONFIDENTIAL

Consultant:
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Client:

Waste Management Limited

Site: Gibson Lane			
Drawing title: Site boundary and layout plan			
Date: 20 / 12 / 2021	Scale: 1:200	Paper size: A3 (420x297mm)	
Drawn by: AA	Checked by: LP	Status: Final	Final revision: A
Drawing Ref: CE-GL-1817-DWG01		Drawing: DRAWING 1	

APPENDICES

Appendix 1 Groundsure Enviro Insights Report

WASTEGE WASTE MANAGEMENT LIMITED, GIBSON LANE SOUTH, MELTON, HU14 3HN

Order Details

Date: 27/01/2021
Your ref: Wasteage
Our Ref: GS-7519632
Client: Crestwood Environmental Ltd.

Site Details

Location: 496825 424935
Area: 0.36 ha
Authority: [East Riding of Yorkshire Council](#)



Summary of findings

p. 2

Aerial image

p. 6

OS MasterMap site plan

p.11

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
12	1.1	<u>Historical industrial land uses</u>	3	5	11	10	-
14	1.2	<u>Historical tanks</u>	3	1	0	11	-
14	1.3	<u>Historical energy features</u>	0	0	0	1	-
15	1.4	Historical petrol stations	0	0	0	0	-
15	1.5	Historical garages	0	0	0	0	-
15	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
16	2.1	<u>Historical industrial land uses</u>	4	8	14	12	-
18	2.2	<u>Historical tanks</u>	3	1	0	12	-
19	2.3	<u>Historical energy features</u>	0	0	0	1	-
19	2.4	Historical petrol stations	0	0	0	0	-
19	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
20	3.1	<u>Active or recent landfill</u>	0	0	1	0	-
21	3.2	<u>Historical landfill (BGS records)</u>	0	0	1	0	-
21	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
21	3.4	<u>Historical landfill (EA/NRW records)</u>	1	1	1	0	-
22	3.5	<u>Historical waste sites</u>	0	0	0	1	-
23	3.6	<u>Licensed waste sites</u>	0	0	2	7	-
26	3.7	<u>Waste exemptions</u>	0	1	10	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
28	4.1	<u>Recent industrial land uses</u>	2	3	5	-	-
29	4.2	Current or recent petrol stations	0	0	0	0	-
29	4.3	Electricity cables	0	0	0	0	-
29	4.4	Gas pipelines	0	0	0	0	-
30	4.5	Sites determined as Contaminated Land	0	0	0	0	-



30	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
30	4.7	Regulated explosive sites	0	0	0	0	-
30	4.8	Hazardous substance storage/usage	0	0	0	0	-
30	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
31	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
31	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	1	1	1	-
31	4.12	Radioactive Substance Authorisations	0	0	0	0	-
32	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	3	-
32	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
32	4.15	Pollutant release to public sewer	0	0	0	0	-
33	4.16	List 1 Dangerous Substances	0	0	0	0	-
33	4.17	List 2 Dangerous Substances	0	0	0	0	-
33	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	3	-
34	4.19	Pollution inventory substances	0	0	0	0	-
34	4.20	Pollution inventory waste transfers	0	0	0	0	-
34	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Geology (basic)					
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35	5.1	<u>Superficial geology (625k)</u>	Identified (within 500m)				
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35	5.2	<u>Bedrock geology (625k)</u>	Identified (within 500m)				
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Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
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36	6.1	<u>Superficial aquifer</u>	Identified (within 500m)				
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38	6.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
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40	6.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
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41	6.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
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41	6.5	Groundwater vulnerability- local information	None (within 0m)				
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42	6.6	<u>Groundwater abstractions</u>	0	0	0	0	20
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47	6.7	<u>Surface water abstractions</u>	0	0	0	0	1
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48	6.8	Potable abstractions	0	0	0	0	0
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48	6.9	Source Protection Zones	0	0	0	0	-
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48	6.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
49	7.1	<u>Water Network (OS MasterMap)</u>	0	0	10	-	-
50	7.2	<u>Surface water features</u>	0	0	5	-	-
51	7.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
51	7.4	WFD Surface water bodies	0	0	0	-	-
51	7.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
52	8.1	<u>Risk of Flooding from Rivers and Sea (RoFRaS)</u>	Medium (within 50m)				
53	8.2	Historical Flood Events	0	0	0	-	-
53	8.3	Flood Defences	0	0	0	-	-
53	8.4	<u>Areas Benefiting from Flood Defences</u>	0	0	1	-	-
53	8.5	Flood Storage Areas	0	0	0	-	-
54	8.6	<u>Flood Zone 2</u>	Identified (within 50m)				
55	8.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
56	9.1	<u>Surface water flooding</u>	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
58	10.1	<u>Groundwater flooding</u>	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
59	11.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	1	0	2
60	11.2	<u>Conserved wetland sites (Ramsar sites)</u>	0	0	1	0	1
64	11.3	<u>Special Areas of Conservation (SAC)</u>	0	0	1	0	0
64	11.4	<u>Special Protection Areas (SPA)</u>	0	0	1	0	1
65	11.5	National Nature Reserves (NNR)	0	0	0	0	0
65	11.6	Local Nature Reserves (LNR)	0	0	0	0	0
65	11.7	Designated Ancient Woodland	0	0	0	0	0
66	11.8	Biosphere Reserves	0	0	0	0	0
66	11.9	Forest Parks	0	0	0	0	0



66	11.10	Marine Conservation Zones	0	0	0	0	0
66	11.11	Green Belt	0	0	0	0	0
66	11.12	Proposed Ramsar sites	0	0	0	0	0
67	11.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
67	11.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
67	11.15	Nitrate Sensitive Areas	0	0	0	0	0
67	11.16	<u>Nitrate Vulnerable Zones</u>	0	0	0	0	2
69	11.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
70	11.18	<u>SSSI Units</u>	0	0	1	0	6
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
75	12.1	World Heritage Sites	0	0	0	-	-
75	12.2	Area of Outstanding Natural Beauty	0	0	0	-	-
75	12.3	National Parks	0	0	0	-	-
75	12.4	Listed Buildings	0	0	0	-	-
76	12.5	Conservation Areas	0	0	0	-	-
76	12.6	Scheduled Ancient Monuments	0	0	0	-	-
76	12.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
77	13.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
78	13.2	Open Access Land	0	0	0	-	-
78	13.3	Tree Felling Licences	0	0	0	-	-
78	13.4	Environmental Stewardship Schemes	0	0	0	-	-
79	13.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
80	14.1	<u>Priority Habitat Inventory</u>	0	0	4	-	-
81	14.2	<u>Habitat Networks</u>	1	0	4	-	-
81	14.3	<u>Open Mosaic Habitat</u>	0	1	0	-	-
82	14.4	Limestone Pavement Orders	0	0	0	-	-



Recent aerial photograph



Capture Date: 19/09/2019

Site Area: 0.36ha



Recent site history - 2016 aerial photograph



Capture Date: 20/04/2016

Site Area: 0.36ha



Recent site history - 2014 aerial photograph



Capture Date: 27/09/2014

Site Area: 0.36ha



Recent site history - 2007 aerial photograph



Capture Date: 24/08/2007

Site Area: 0.36ha



Recent site history - 1999 aerial photograph

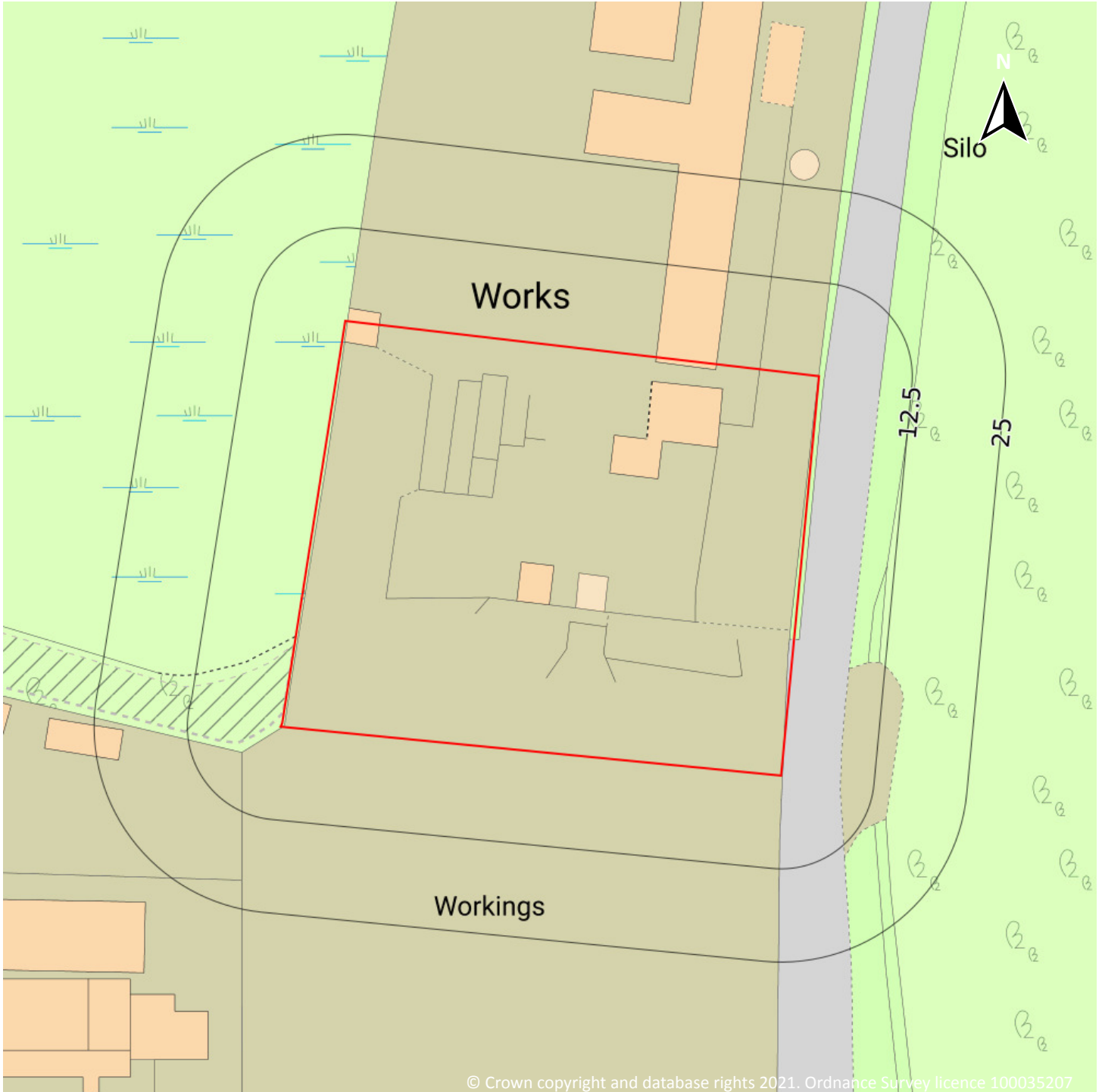


Capture Date: 28/04/1999

Site Area: 0.36ha



OS MasterMap site plan



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Site Area: 0.36ha



1 Past land use



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

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1.1 Historical industrial land uses

Records within 500m

29

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 12**

ID	Location	Land use	Dates present	Group ID
1	On site	Tramway Sidings	1928	1430885

ID	Location	Land use	Dates present	Group ID
2	On site	Refuse Heap	1971 - 1994	1518755
A	On site	Unspecified Works	1994	1438786
3	2m SW	Disused Clay Pit	1950	1503715
A	3m E	Unspecified Tank	1950	1434857
A	9m E	Unspecified Tank	1928 - 1950	1489578
B	33m SE	Brick and Tile Yard	1950	1553571
B	36m SE	Brick and Tile Works	1906	1441744
4	54m SE	Unspecified Ground Workings	1906 - 1908	1552304
5	76m S	Timber Yard	1994	1410439
C	108m S	Unspecified Heaps	1906	1464928
C	109m S	Unspecified Heaps	1950	1480470
D	125m S	Brick and Tile Yard	1908	1499930
B	144m SE	Tramway Sidings	1906	1482829
6	144m E	Refuse Heap	1994	1437790
B	149m SE	Tramway Sidings	1950	1476194
7	165m SE	Unspecified Heap	1928	1484111
D	222m SE	Tramway Sidings	1908	1430886
8	236m E	Unspecified Disused Tip	1994	1420238
9	319m N	Refuse Heap	1970 - 1983	1530707
10	372m NW	Railway Sidings	1950	1461916
11	378m W	Unspecified Heap	1886	1417288
12	390m NW	Railway Sidings	1967	1529277
F	401m SW	Unspecified Commercial/Industrial	1928	1410888
G	414m NE	Smelting Works	1967	1512269
G	414m NE	Smelting Works	1970 - 1983	1519327
G	418m NE	Smelting Works	1950	1543239
15	442m E	Refuse Heap	1971	1437795
F	482m SW	Railway Sidings	1886	1409593

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m	15
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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 12**

ID	Location	Land use	Dates present	Group ID
A	On site	Tanks	1987	234273
A	On site	Tanks	1995	245626
A	On site	Tanks	1987	249498
A	8m E	Unspecified Tank	1927	228024
E	255m N	Settling Tank	1987	229997
E	305m N	Unspecified Tank	1987	228025
14	404m E	Unspecified Tank	1987	228026
H	427m NE	Unspecified Tank	1987	228023
H	456m NE	Tanks	1987	232268
I	466m N	Unspecified Tank	1968	228018
I	469m N	Settling Tanks	1968 - 1987	239648
H	477m NE	Unspecified Tank	1987	228022
16	483m E	Unspecified Tank	1987	228032
H	489m NE	Unspecified Tank	1968	228021
I	498m N	Settlings Tanks	1968	229958

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	1
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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 12**

ID	Location	Land use	Dates present	Group ID
13	400m NE	Electricity Substation	1987	130708

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

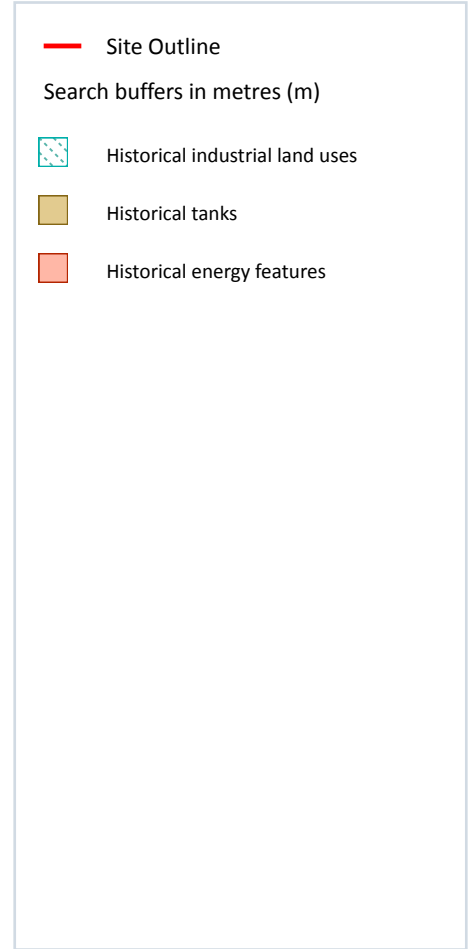
Records within 500m

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



2.1 Historical industrial land uses

Records within 500m

38

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 16**

ID	Location	Land Use	Date	Group ID
1	On site	Refuse Heap	1971	1518755
2	On site	Tramway Sidings	1928	1430885
A	On site	Unspecified Works	1994	1438786

ID	Location	Land Use	Date	Group ID
B	On site	Refuse Heap	1994	1518755
C	2m SW	Disused Clay Pit	1950	1503715
A	3m E	Unspecified Tank	1950	1434857
A	9m E	Unspecified Tank	1950	1489578
A	10m E	Unspecified Tank	1928	1489578
C	12m SW	Disused Clay Pit	1950	1503715
D	33m SE	Brick and Tile Yard	1950	1553571
D	33m SE	Brick and Tile Yard	1950	1553571
D	36m SE	Brick and Tile Works	1906	1441744
B	54m SE	Unspecified Ground Workings	1906	1552304
3	76m S	Timber Yard	1994	1410439
B	108m S	Unspecified Heaps	1906	1464928
B	109m S	Unspecified Heaps	1950	1480470
B	109m S	Unspecified Heaps	1950	1480470
E	125m S	Brick and Tile Yard	1908	1499930
4	131m S	Unspecified Ground Workings	1908	1552304
D	144m SE	Tramway Sidings	1906	1482829
5	144m E	Refuse Heap	1994	1437790
D	149m SE	Tramway Sidings	1950	1476194
B	165m SE	Unspecified Heap	1928	1484111
B	165m SE	Unspecified Heap	1928	1484111
E	222m SE	Tramway Sidings	1908	1430886
6	236m E	Unspecified Disused Tip	1994	1420238
G	319m N	Refuse Heap	1983	1530707
G	319m N	Refuse Heap	1970	1530707
7	372m NW	Railway Sidings	1950	1461916
8	378m W	Unspecified Heap	1886	1417288
9	390m NW	Railway Sidings	1967	1529277



ID	Location	Land Use	Date	Group ID
H	401m SW	Unspecified Commercial/Industrial	1928	1410888
I	414m NE	Smelting Works	1983	1519327
I	414m NE	Smelting Works	1970	1519327
I	414m NE	Smelting Works	1967	1512269
I	418m NE	Smelting Works	1950	1543239
12	442m E	Refuse Heap	1971	1437795
H	482m SW	Railway Sidings	1886	1409593

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

16

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 16**

ID	Location	Land Use	Date	Group ID
A	On site	Tanks	1995	245626
A	On site	Tanks	1987	249498
A	On site	Tanks	1987	234273
A	8m E	Unspecified Tank	1927	228024
F	255m N	Settling Tank	1987	229997
F	305m N	Unspecified Tank	1987	228025
11	404m E	Unspecified Tank	1987	228026
J	427m NE	Unspecified Tank	1987	228023
J	456m NE	Tanks	1987	232268
K	466m N	Unspecified Tank	1968	228018
K	469m N	Settling Tanks	1968	239648
K	469m N	Settling Tanks	1987	239648
J	477m NE	Unspecified Tank	1987	228022



ID	Location	Land Use	Date	Group ID
13	483m E	Unspecified Tank	1987	228032
J	489m NE	Unspecified Tank	1968	228021
K	498m N	Settlings Tanks	1968	229958

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

1

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

Features are displayed on the Past land use - un-grouped map on **page 16**

ID	Location	Land Use	Date	Group ID
10	400m NE	Electricity Substation	1987	130708

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

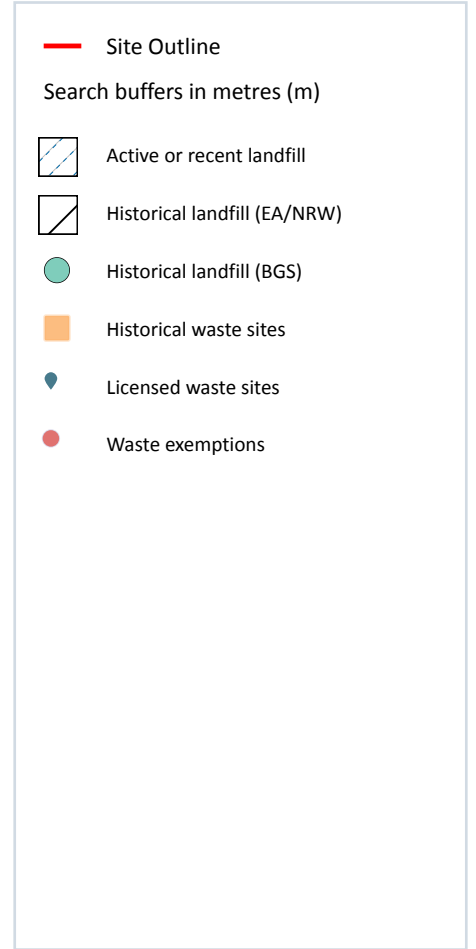
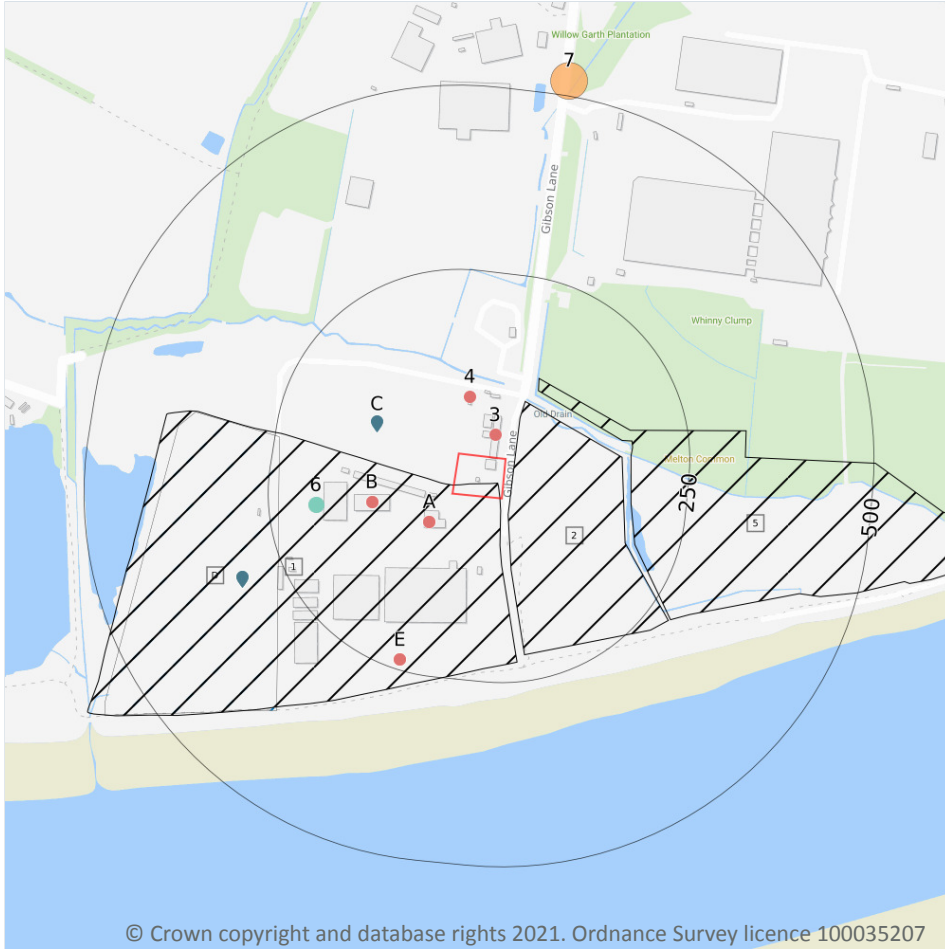
0

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



3.1 Active or recent landfill

Records within 500m

1

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 20**

ID	Location	Details
D	235m W	<p>Operator: Sam Allon (Hull) Ltd Site Address: Melton Ings, Gibson Lane, Melton, East Yorkshire, HU14 3HF</p> <p>WML Number: 60903 EPR Reference: SAM001 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Closure IPPC Reference: - EPR Number: EA/EPR/DP3799ZS/A001</p>

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

3.2 Historical landfill (BGS records)

Records within 500m

1

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.

Features are displayed on the Waste and landfill map on **page 20**

ID	Location	Address	BGS Number	Risk	Waste Type
6	186m W	APCM Ltd, Melton, Yorks	2112	No risk to aquifer	NGR as given

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

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 20**

ID	Location	Details		
1	On site	Site Address: A. P. C. M. Limited Melton, Melton, Yorkshire Licence Holder Address: -	Waste Licence: Yes Site Reference: A094 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 16/05/1988 Licence Surrender: -	Operator: Associated Portland Cement Manufacturers Limited Licence Holder: Sam Allon (Hull) Limited First Recorded 31/12/1947 Last Recorded: -

ID	Location	Details		
2	11m E	Site Address: Brickyard Lane, Melton Licence Holder Address: -	Waste Licence: Yes Site Reference: 55/19/0827, 2000/A827 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 15/07/1992 Licence Surrender: 08/06/1993	Operator: - Licence Holder: Capper Pass and Son Limited First Recorded 01/01/1992 Last Recorded: 08/06/1993
5	102m NE	Site Address: Brickyard Lane, Melton, Beverley, Humberside Licence Holder Address: North Ferriby, North Humberside	Waste Licence: Yes Site Reference: 55/19/0093, 2000/A093, 55/19/93/3 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 11/06/1980 Licence Surrender: 25/11/1992	Operator: Capper Pass and Son Limited Licence Holder: Capper Pass Limited First Recorded 01/01/1937 Last Recorded: 31/12/1992

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

3.5 Historical waste sites

Records within 500m	1
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Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 20**

ID	Location	Address	Further Details	Date
7	495m N	Site Address: Transwaste Recycling & Aggrega, Gibson Lane, Melton, North Ferriby, Humberside, HU14 3HH	Type of Site: Waste Recycling Plant Planning application reference: 17/02116/CM Description: Scheme comprises construction of a detached building to create a wood burning plant for the use of drying green waste, including suds. The associated works include sewer systems, landscaping, cable laying, infrastructure, enabling works and access roads. Data source: Historic Planning Application Data Type: Point	03/01/2018

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



3.6 Licensed waste sites

Records within 500m

9

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

 Features are displayed on the Waste and landfill map on **page 20**

ID	Location	Details		
C	118m W	Site Name: Transwate Recycling And Aggregates Limited Site Address: Melton Ings, Gibson Lane, Melton, North Ferriby, East Yorkshire, HU14 3HH Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRA169 EPR reference: EA/EPR/AB3607CU/A001 Operator: Transwate Recycling & Aggregates Limited Waste Management licence No: 400765 Annual Tonnage: 90000	Issue Date: 27/12/2013 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	118m W	Site Name: Transwate Recycling And Aggregates Limited Site Address: Melton Ings, Gibson Lane, Melton, North Ferriby, East Yorkshire, HU14 3HH Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRA169 EPR reference: EA/EPR/AB3607CU/A001 Operator: Transwate Recycling & Aggregates Ltd Waste Management licence No: 400765 Annual Tonnage: 90000	Issue Date: 27/12/2013 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	308m W	Site Name: Melton Ings Landfill Site Site Address: Melton Ings, Gibson Lane, Melton, HU14 3HF Correspondence Address: -	Type of Site: Other Landfill Site taking Special Waste Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAM001 EPR reference: - Operator: Sam Allon Hull Ltd Waste Management licence No: 60903 Annual Tonnage: 0	Issue Date: 16/05/1988 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	308m W	Site Name: Transfer Station Site Address: - Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: SAM004 EPR reference: - Operator: Sam Allon (hull) Ltd Waste Management licence No: 65048 Annual Tonnage: 0	Issue Date: 21/09/2000 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	308m W	Site Name: Melton Ings Landfill Site Site Address: Melton Ings, Gibson Lane, Melton, East Yorkshire, HU14 3HF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAM001 EPR reference: EA/EPR/DP3799ZS/A001 Operator: Sam Allon (hull) Ltd Waste Management licence No: 60903 Annual Tonnage: 25000	Issue Date: 16/05/1988 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	308m W	Site Name: Transfer Station Site Address: Melton Ings, Gibson Lane, Melton, East Yorkshire, HU14 3HH Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAM004 EPR reference: EA/EPR/FP3794ZA/A001 Operator: Sam Allon (hull) Ltd Waste Management licence No: 65048 Annual Tonnage: 74999	Issue Date: 21/09/2000 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	308m W	Site Name: Melton Ings Landfill Site Site Address: Melton Ings, Gibson Lane, Melton, East Yorkshire, HU14 3HF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAM001 EPR reference: EA/EPR/DP3799ZS/A001 Operator: Sam Allon (Hull) Ltd Waste Management licence No: 60903 Annual Tonnage: 25000	Issue Date: 16/05/1988 Effective Date: - Modified:: 29/11/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
D	308m W	Site Name: Transfer Station Site Address: Melton Ings, Gibson Lane, Melton, East Yorkshire, HU14 3HH Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAM004 EPR reference: EA/EPR/FP3794ZA/A001 Operator: Sam Allon (Contracts) Ltd Waste Management licence No: 65048 Annual Tonnage: 74999	Issue Date: 21/09/2000 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	308m W	Site Name: Transfer Station Site Address: Melton Ings, Gibson Lane, Melton, East Yorkshire, HU14 3HH Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAM004 EPR reference: EA/EPR/FP3794ZA/A001 Operator: Sam Allon (Hull) Ltd Waste Management licence No: 65048 Annual Tonnage: 74999	Issue Date: 21/09/2000 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

11

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 20**

ID	Location	Site	Reference	Category	Sub-Category	Description
3	30m N	GIBSON LANE, MELTON, NORTH FERRIBY, HU14 3HN	WEX122286	Treating waste exemption	Not on a farm	Screening and blending of waste
A	50m SW	GIBSON LANE, MELTON, NORTH FERRIBY, HU14 3HF	WEX235647	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	50m SW	GIBSON LANE, MELTON, NORTH FERRIBY, HU14 3HF	WEX235647	Treating waste exemption	Not on a farm	Screening and blending of waste
A	50m SW	GIBSON LANE, MELTON, NORTH FERRIBY, HU14 3HF	WEX235647	Using waste exemption	Not on a farm	Use of waste in construction
4	78m N	Hodge Clemco Limited Gibson Lane NORTH FERRIBY North Humberside HU14 3HN	EPR/DE5444FZ /A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
B	110m W	The Road Planing Recycling Operation, Gibson Lane South, Melton, North Ferriby, HU14 3HF	WEX090195	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	110m W	The Road Planing Recycling Operation, Gibson Lane South, Melton, North Ferriby, HU14 3HF	WEX090195	Treating waste exemption	Not on a farm	Screening and blending of waste
B	110m W	The Road Planing Recycling Operation, Gibson Lane South, Melton, North Ferriby, HU14 3HF	WEX090195	Using waste exemption	Not on a farm	Use of waste in construction
E	237m S	The Road Planing Recycling Operation Gibson Lane NORTH FERRIBY North Humberside HU14 3HF	EPR/GF0030W Z/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
E	237m S	The Road Planing Recycling Operation Gibson Lane NORTH FERRIBY North Humberside HU14 3HF	EPR/GF0030W Z/A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste

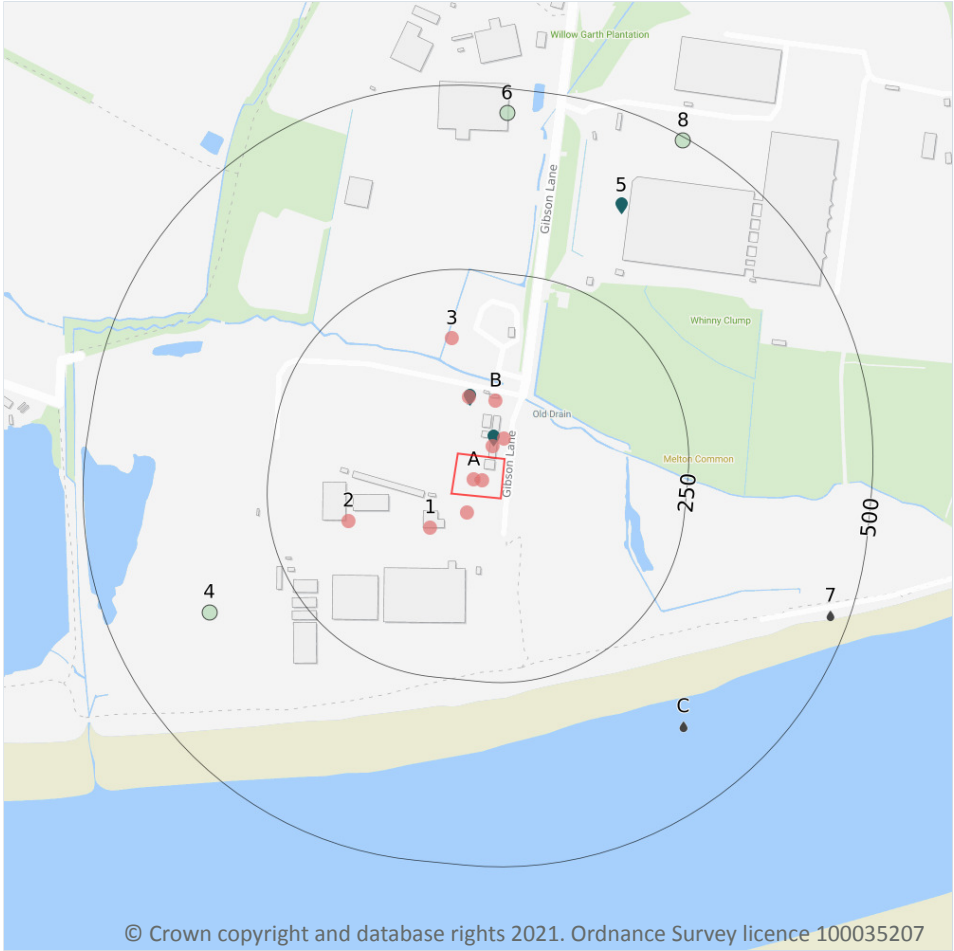


ID	Location	Site	Reference	Category	Sub-Category	Description
E	237m S	The Road Planing Recycling Operation Gibson Lane NORTH FERRIBY North Humberside HU14 3HF	EPR/GF0030W Z/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction

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
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

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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 28**

ID	Location	Company	Address	Activity	Category
A	On site	Tank	East Riding of Yorkshire, HU14	Tanks (Generic)	Industrial Features
A	On site	Tank	East Riding of Yorkshire, HU14	Tanks (Generic)	Industrial Features
A	15m N	Works	East Riding of Yorkshire, HU14	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
A	24m S	Workings	East Riding of Yorkshire, HU14	Unspecified Quarries Or Mines	Extractive Industries
A	28m N	Silo	East Riding of Yorkshire, HU14	Hoppers and Silos	Farming
1	54m SW	Bayram Timber Ltd	Gibson Lane, Melton, North Ferriby, East Riding of Yorkshire, HU14 3HF	Wood Products Including Charcoal, Paper, Card and Board	Industrial Products
B	77m N	Wastege Waste Management Ltd	Gibson Lane, Melton, North Ferriby, North Humberside, East Riding of Yorkshire, HU14 3HN	Recycling, Reclamation and Disposal	Recycling Services
B	79m N	Hodge Clemco Ltd	Gibson Lane, Melton, North Ferriby, East Riding of Yorkshire, HU14 3HN	Abrasive Products and Grinding Equipment	Industrial Products
2	144m W	Travelling Crane	East Riding of Yorkshire, HU14	Travelling Cranes and Gantries	Industrial Features
3	157m N	Sewage Works	East Riding of Yorkshire, HU14	Waste Storage, Processing and Disposal	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m	0
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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	0
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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.

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	0
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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.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0
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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

3

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 28**

ID	Location	Address	Details	
A	26m N	Hodge Clemco Ltd, Gibson Lane, Melton, HU14 3HN	Process: Other Mineral Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	77m N	Hodge Clemco Ltd (Previously Appleby Abrasives), Gibson Lane, Melton, HU14 3HN	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
5	378m NE	SCA Timber Ltd, Gibson Lane South, Melton, HU14 3HF	Process: Timber Manufacture 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

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

3

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 28**

ID	Location	Address	Details	
C	396m SE	CAPPER PASS LTD, MELTON WORKS, NORTH FERRIBY	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: CON3151 Permit Version: 1 Receiving Water: TO HUMBER	Status: REVOKED - UNSPECIFIED Issue date: 14/11/1989 Effective Date: 14/11/1989 Revocation Date: 15/02/1998
C	396m SE	CAPPER PASS LTD - NO 2 OUTFALL (CEA, SED 1.8.91)	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: C3151 Permit Version: 1 Receiving Water: RIVER HUMBER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 01/08/1987 Effective Date: 01/08/1987 Revocation Date: -
7	474m E	CAPPER PASS LTD, MELTON WORKS, NORTH FERRIBY	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: WRA7385 Permit Version: 1 Receiving Water: RIVER HUMBER	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 16/02/1998 Effective Date: 16/02/1998 Revocation Date: 01/03/2000

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

3

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 28**

ID	Location	Details	
4	365m SW	Incident Date: 26/09/2019 Incident Identification: 1741510 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
6	466m N	Incident Date: 16/01/2019 Incident Identification: 1674492 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
8	495m NE	Incident Date: 09/07/2002 Incident Identification: 90269 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)

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 Geology (basic)

5.1 Superficial geology (625k)

Records within 500m

2

Generalised geology data based on BGS's published poster maps of the UK (North and South). Superficial related themes digitised from 1977 first edition Quaternary map (North and South).

Location	Lex code	Description	Rock type
On site	ALV-CLSS	ALLUVIUM	CLAY, SILT AND SAND
50m E	TILL-DMTN	TILL	DIAMICTON

This data is sourced from the British Geological Survey.

5.2 Bedrock geology (625k)

Records within 500m

2

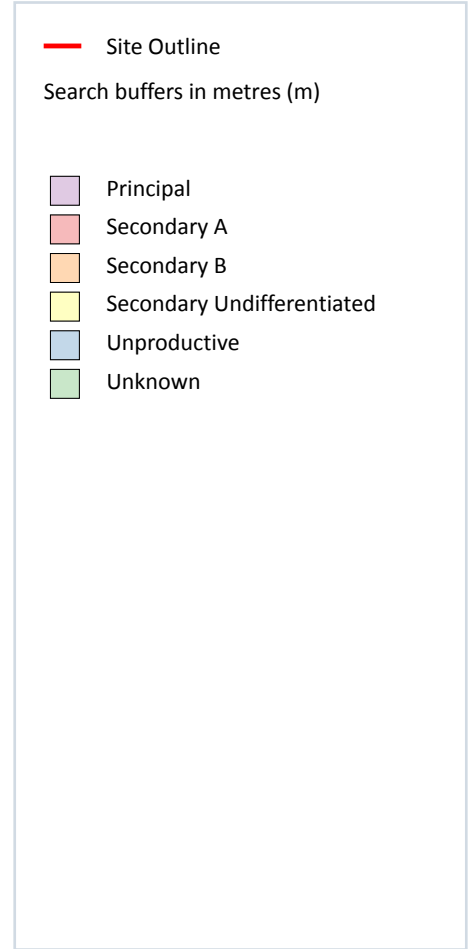
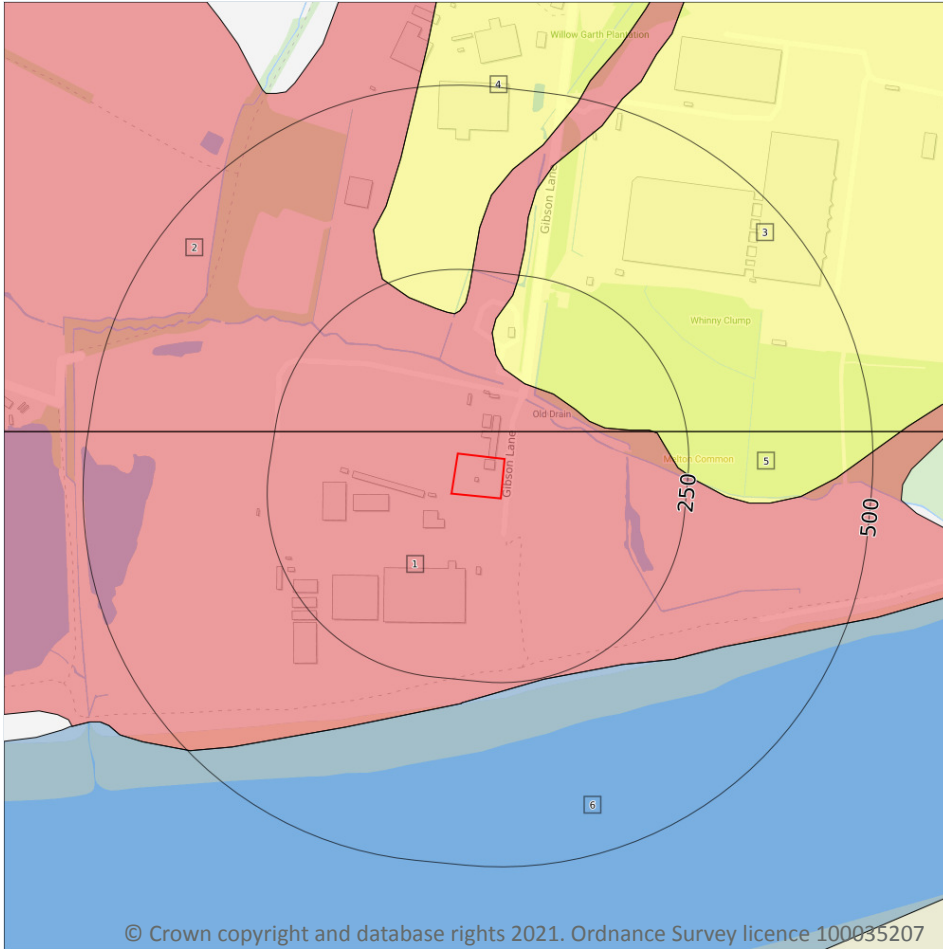
Generalised geology data based on BGS's published poster maps of the UK (North and South). Bedrock related themes created through generalisation of 1:50,000 data.

Location	Lex code	Description	Rock type
On site	WWAK-MDSS	WEST WALTON FORMATION, AMPHILL CLAY FORMATION AND KIMMERIDGE CLAY FORMATION (UNDIFFERENTIATED)	MUDSTONE, SILTSTONE AND SANDSTONE
391m NW	KLOX-MDSS	KELLAWAYS FORMATION AND OXFORD CLAY FORMATION (UNDIFFERENTIATED)	MUDSTONE, SILTSTONE AND SANDSTONE

This data is sourced from the British Geological Survey.



6 Hydrogeology - Superficial aquifer



6.1 Superficial aquifer

Records within 500m

6

Aquifer status of groundwater held within superficial geology.

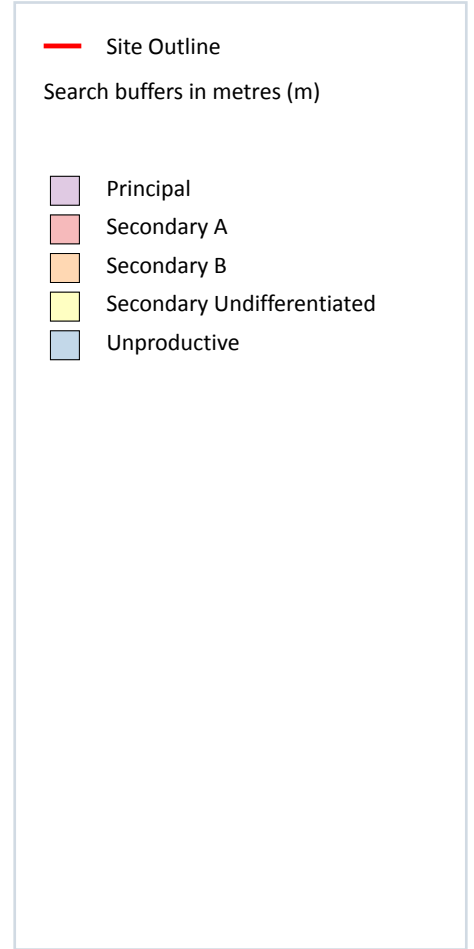
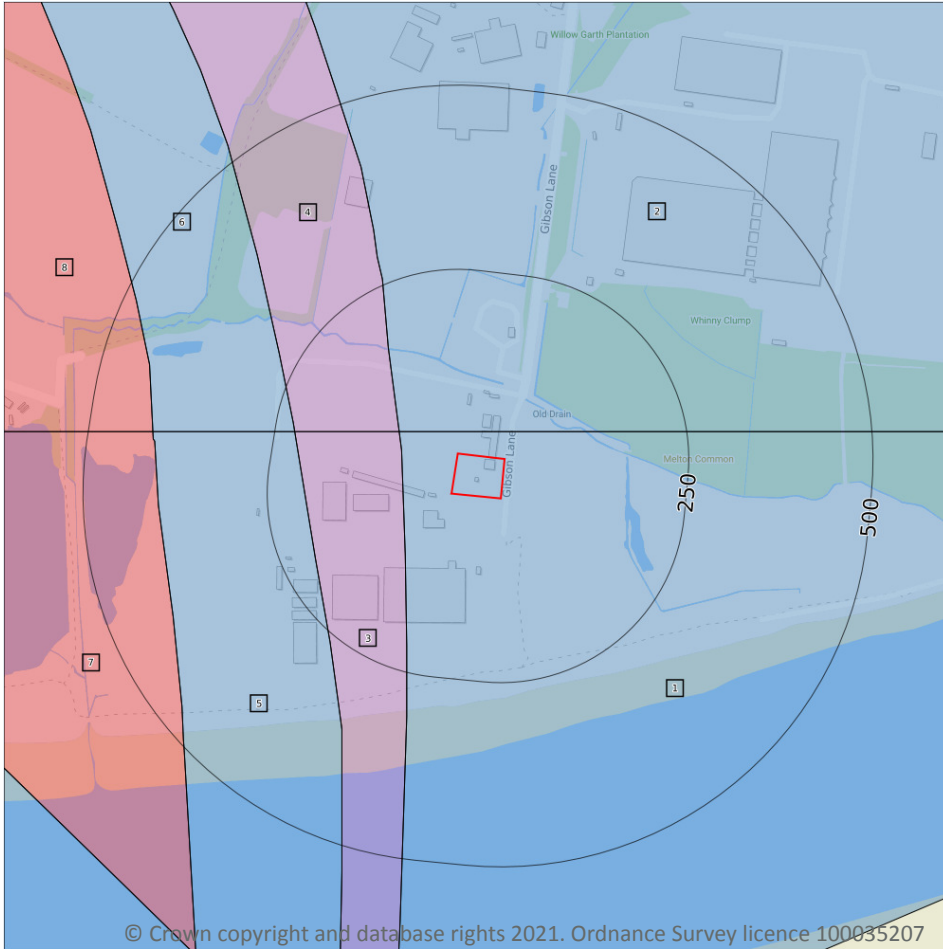
Features are displayed on the Hydrogeology map on **page 36**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	30m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	105m N	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
4	190m N	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
5	205m E	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
6	252m S	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



6.2 Bedrock aquifer

Records within 500m

8

Aquifer status of groundwater held within bedrock geology.

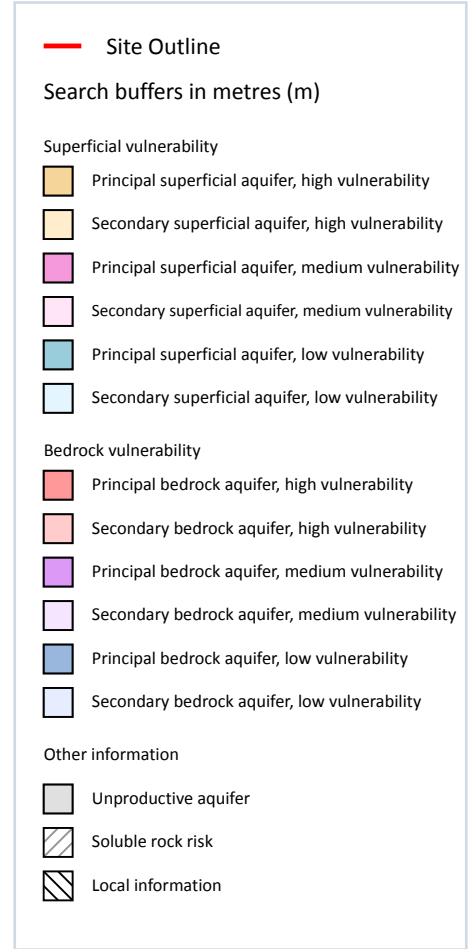
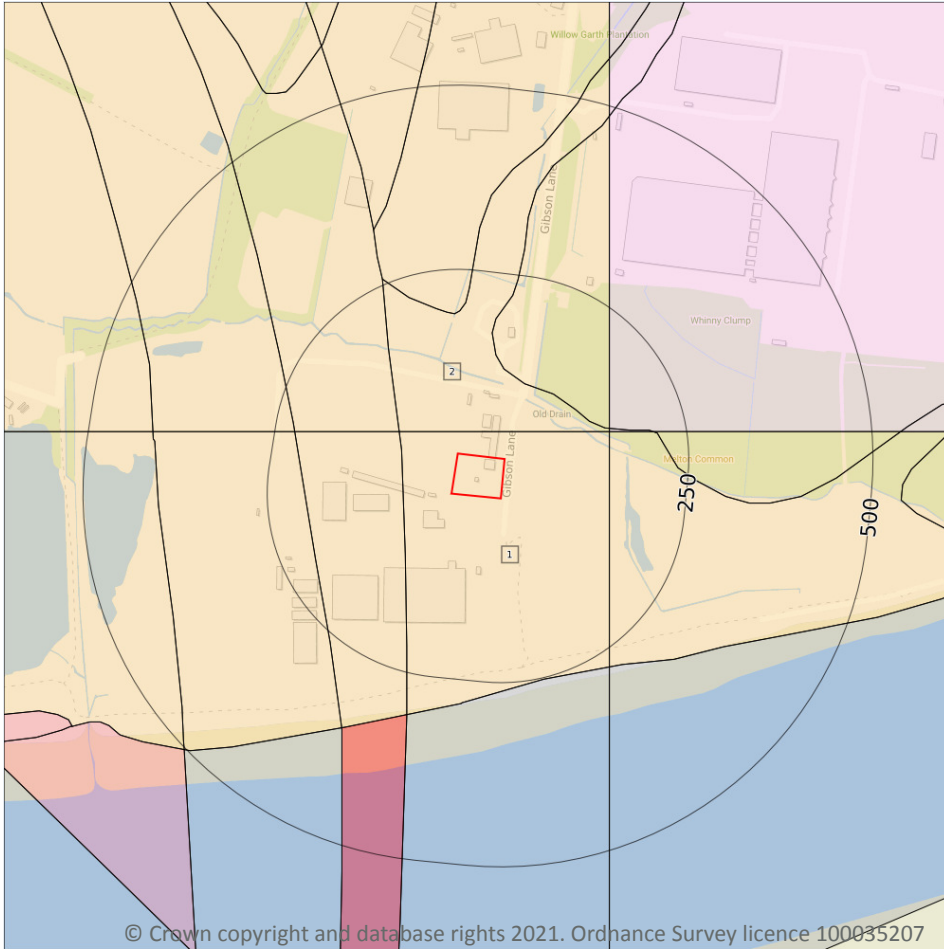
Features are displayed on the Bedrock aquifer map on **page 38**

ID	Location	Designation	Description
1	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	30m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	66m W	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
4	85m W	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
5	196m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	223m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	396m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	413m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Groundwater vulnerability



6.3 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 40**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
2	29m N	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

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

6.4 Groundwater vulnerability- soluble rock risk

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

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

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

6.5 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



6.6 Groundwater abstractions

Records within 2000m

20

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 42**

ID	Location	Details	
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (1) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LIMITED Easting: 496800 Northing: 425600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (1) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LIMITED Easting: 496800 Northing: 425600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: Effluent/Slurry Dilution Direct Source: GROUNDWATERS Point: BOREHOLE (1) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496800 Northing: 425600	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (1) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496800 Northing: 425600	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -



ID	Location	Details	
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: General Use Relating To Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (1) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496800 Northing: 425600	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: Effluent/Slurry Dilution Direct Source: GROUNDWATERS Point: BOREHOLE 1 - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496800 Northing: 425600	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 02/07/2013 Version End Date: -
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 1 - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496800 Northing: 425600	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 02/07/2013 Version End Date: -
-	629m N	Status: Historical Licence No: 2/26/32/102 Details: General Use Relating To Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 1 - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496800 Northing: 425600	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 02/07/2013 Version End Date: -

ID	Location	Details	
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (2) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LIMITED Easting: 496600 Northing: 425700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (2) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LIMITED Easting: 496600 Northing: 425700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: Effluent/Slurry Dilution Direct Source: GROUNDWATERS Point: BOREHOLE (2) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496600 Northing: 425700	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (2) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496600 Northing: 425700	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -

ID	Location	Details	
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: General Use Relating To Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE (2) - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496600 Northing: 425700	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1998 Version End Date: -
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: Effluent/Slurry Dilution Direct Source: GROUNDWATERS Point: BOREHOLE 2 - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496600 Northing: 425700	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 02/07/2013 Version End Date: -
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 2 - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496600 Northing: 425700	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 02/07/2013 Version End Date: -
-	755m N	Status: Historical Licence No: 2/26/32/102 Details: General Use Relating To Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 2 - SUPERFICIAL DRIFT - MELTON Data Type: Point Name: OMYA UK LTD Easting: 496600 Northing: 425700	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 2900 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 02/07/2013 Version End Date: -
-	1880m NW	Status: Historical Licence No: 2/26/32/291 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-KELLAWAYS BEDS-WELTON-BROUGH Data Type: Point Name: SAYER Easting: 495700 Northing: 426500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/04/1975 Expiry Date: - Issue No: 101 Version Start Date: 01/02/1998 Version End Date: -



ID	Location	Details	
-	1880m NW	Status: Historical Licence No: 2/26/32/291 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - KELLAWAYS BEDS - WELTON Data Type: Point Name: SAYER Easting: 495700 Northing: 426500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/04/1975 Expiry Date: - Issue No: 101 Version Start Date: 01/02/1998 Version End Date: -
-	1880m NW	Status: Historical Licence No: 2/26/32/291 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - SUPERFICIAL DRIFT - KELLAWAYS BEDS - WELTON Data Type: Point Name: SAYER Easting: 495700 Northing: 426500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/04/1975 Expiry Date: - Issue No: 101 Version Start Date: 01/02/1998 Version End Date: -
-	1891m NW	Status: Active Licence No: 2/26/32/291 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SUPERFICIAL DRIFT(KELLAWAYS BEDS)-WELTON Data Type: Point Name: ROBERT M SAYER Easting: 495710 Northing: 426520	Annual Volume (m ³): 45,460 Max Daily Volume (m ³): 136.40 Original Application No: - Original Start Date: 17/04/1975 Expiry Date: - Issue No: 103 Version Start Date: 09/01/2008 Version End Date: -

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

6.7 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 42**



ID	Location	Details	
-	1548m NW	Status: Historical Licence No: 2/26/32/056 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: POOL BECK Data Type: Point Name: RIPLINGHAM ESTATES LTD Easting: 496200 Northing: 426400	Annual Volume (m ³): 727 Max Daily Volume (m ³): 72.736 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/10/1968 Version End Date: -

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

6.8 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.

6.9 Source Protection Zones

Records within 500m	0
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

6.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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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.

7 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

7.1 Water Network (OS MasterMap)

Records within 250m

10

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 49**

ID	Location	Type of water feature	Ground level	Permanence	Name
C	83m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Old Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
C	95m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	129m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	129m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Old Drain
E	166m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	169m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Old Drain
A	177m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	184m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	245m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	245m N	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.

7.2 Surface water features

Records within 250m	5
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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 49**

This data is sourced from the Ordnance Survey.



7.3 WFD Surface water body catchments

Records on site	1
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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 49**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	Coastal Catchment	Not part of a river WB catchment	98	Lower Hull	Hull and East Riding

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

7.4 WFD Surface water bodies

Records identified	0
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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.

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

7.5 WFD Groundwater bodies

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

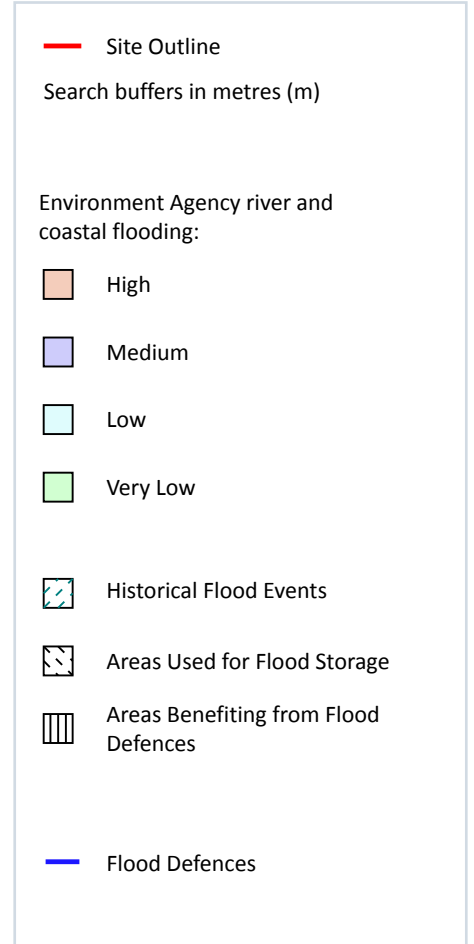
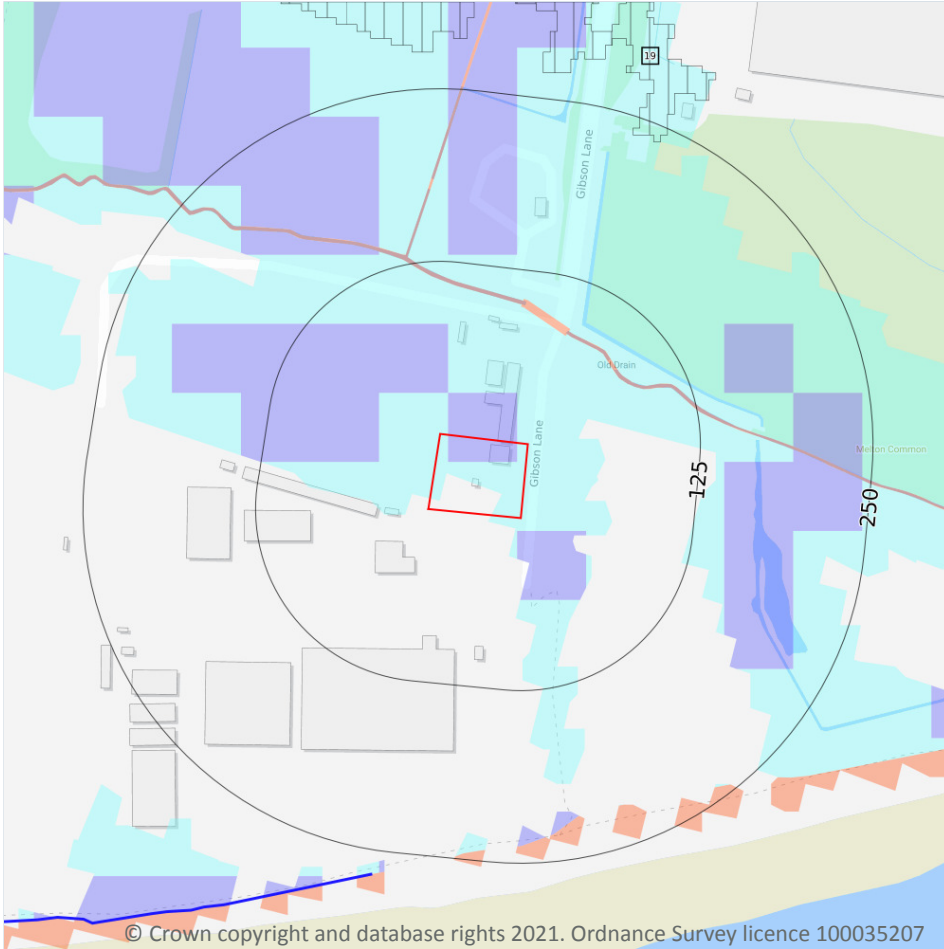
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 49**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	East Riding Mercia Mudstone	<u>GB40402G990200</u>	Poor	Good	Poor	2015

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

8 River and coastal flooding



8.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

4

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

Features are displayed on the River and coastal flooding map on **page 52**

Distance	RoFRaS flood risk
On site	Medium
0 - 50m	Medium

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

8.2 Historical Flood Events

Records within 250m

0

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

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

8.3 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.

8.4 Areas Benefiting from Flood Defences

Records within 250m

1

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.

Features are displayed on the River and coastal flooding map on **page 52**

ID	Location	
19	237m N	Area benefiting from flood defences

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

8.5 Flood Storage Areas

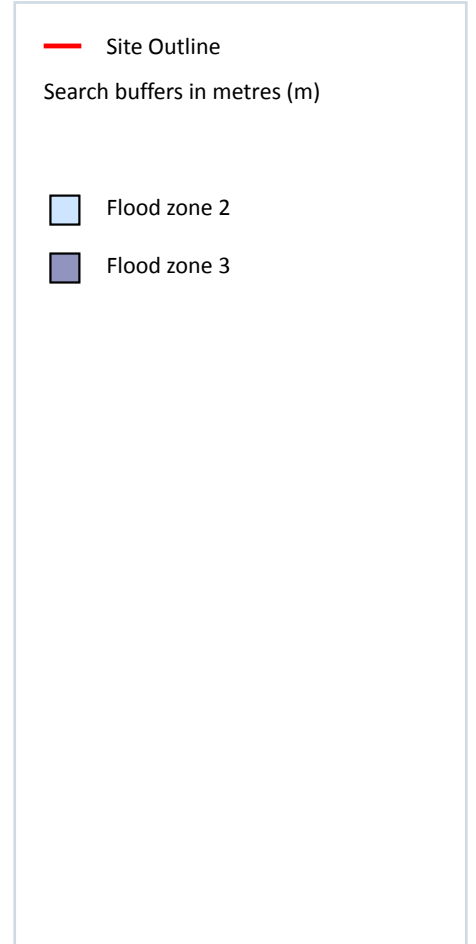
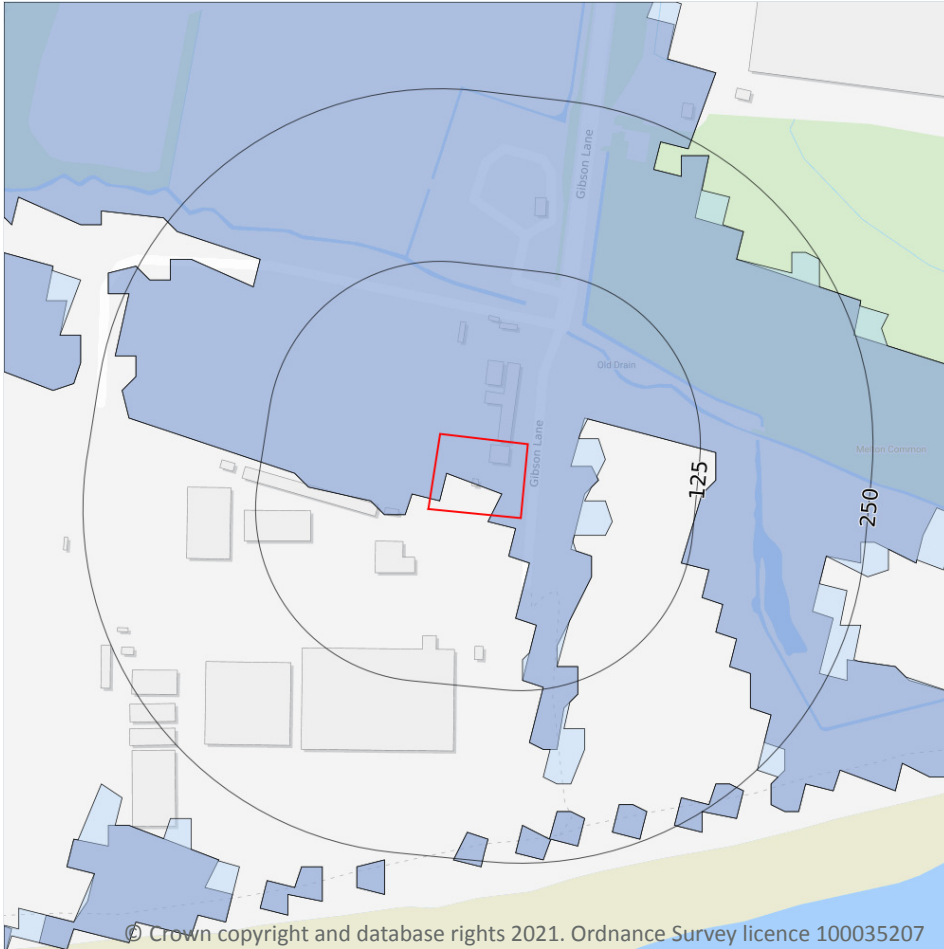
Records within 250m

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



8.6 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 52**

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

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

8.7 Flood Zone 3

Records within 50m

1

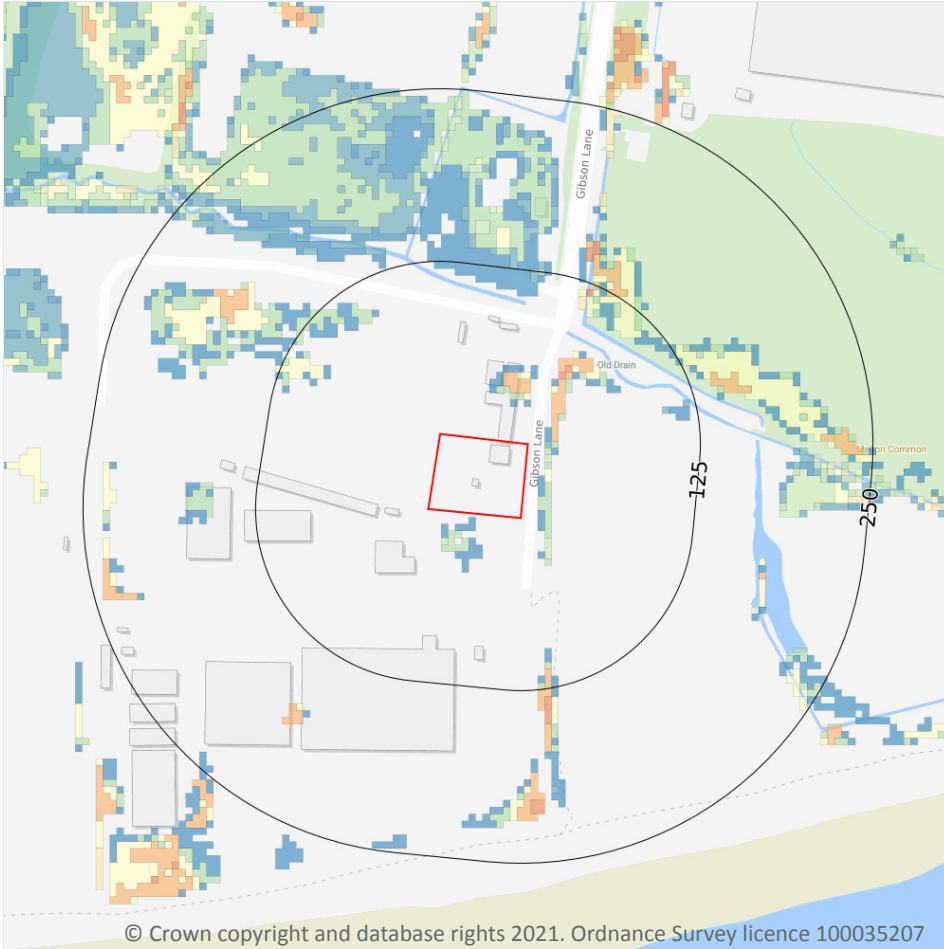
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 52**

Location	Type
On site	Zone 3 - (Fluvial Models)

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

9 Surface water flooding



9.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 30 year, 0.1m - 0.3m

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

Features are displayed on the Surface water flooding map on **page 56**

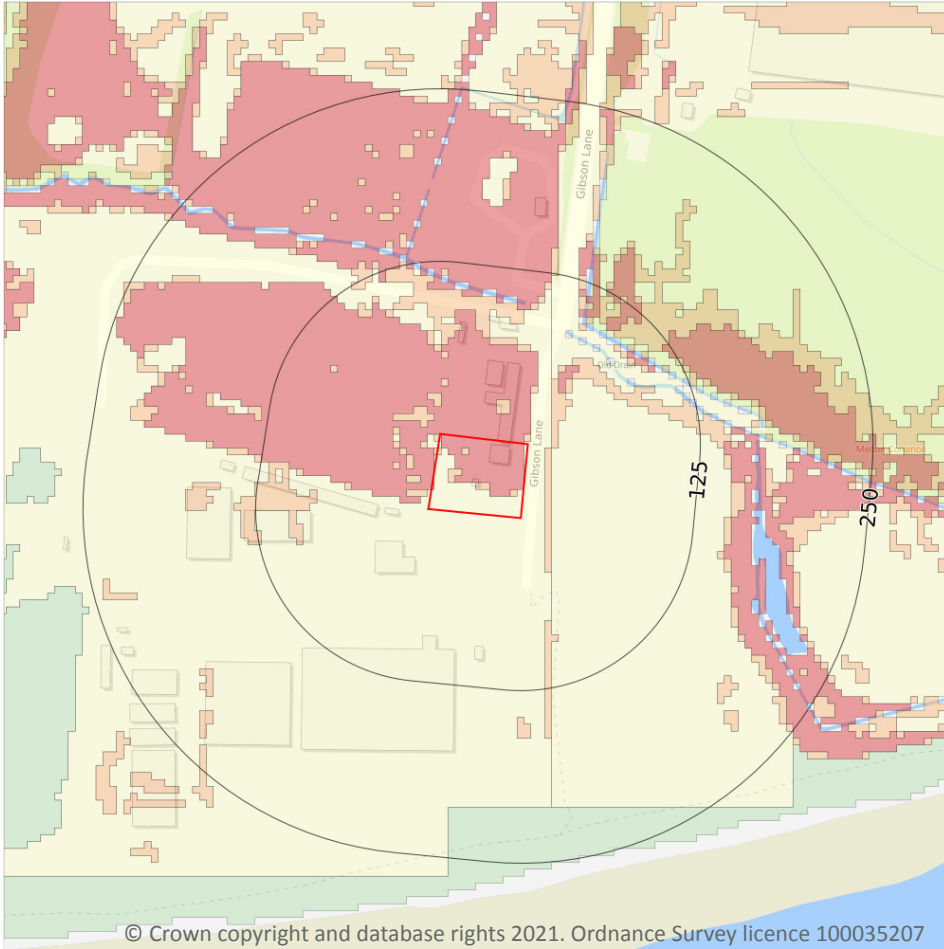
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

10 Groundwater flooding



10.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

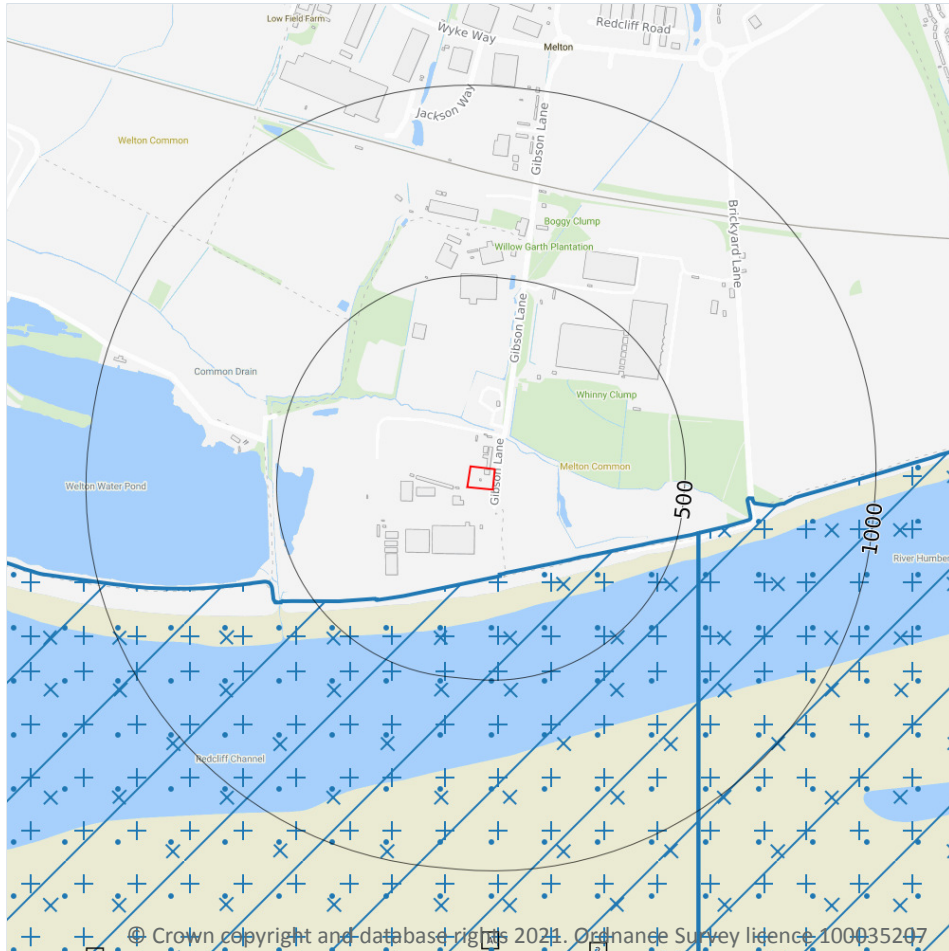
High

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 58**

This data is sourced from Ambiental Risk Analytics.

11 Environmental designations



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

11.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

3

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 59**

ID	Location	Name	Data source
1	221m S	Humber Estuary	Natural England

ID	Location	Name	Data source
3	551m E	Humber Estuary	Natural England
-	1736m N	Melton Bottom Chalk Pit	Natural England

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

11.2 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 59**

ID	Location	Site	Details
2	220m S	Name: Humber Estuary Site status: Listed Data source: Natural England	<p>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.</p> <p>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</p>



ID	Location	Site	Details
-	1944m W	Name: Humber Estuary Site status: Listed Data source: Natural England	<p>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.</p> <p>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</p>



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

11.3 Special Areas of Conservation (SAC)

Records within 2000m

1

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 59**

ID	Location	Name	Features of interest	Habitat description	Data source
A	221m S	Humber 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.

11.4 Special Protection Areas (SPA)

Records within 2000m

2

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 59**

ID	Location	Name	Species of interest	Habitat description	Data source
A	221m S	Humber Estuary	Great bittern; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Common pochard; Greater scaup; Common goldeneye; Eurasian marsh harrier; Hen harrier; Eurasian oystercatcher; Pied avocet; Ringed plover;	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 v	Natural England

ID	Location	Name	Species of interest	Habitat description	Data source
-	1877m E	Humber 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;	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 v	Natural England

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

11.5 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.

11.6 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.

11.7 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.



11.8 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.

11.9 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.

11.10 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.

11.11 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.

11.12 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.



11.13 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.

11.14 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.

11.15 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.

11.16 Nitrate Vulnerable Zones

Records within 2000m

2

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
1303m N	Yorkshire Chalk	Groundwater	G106	Changed

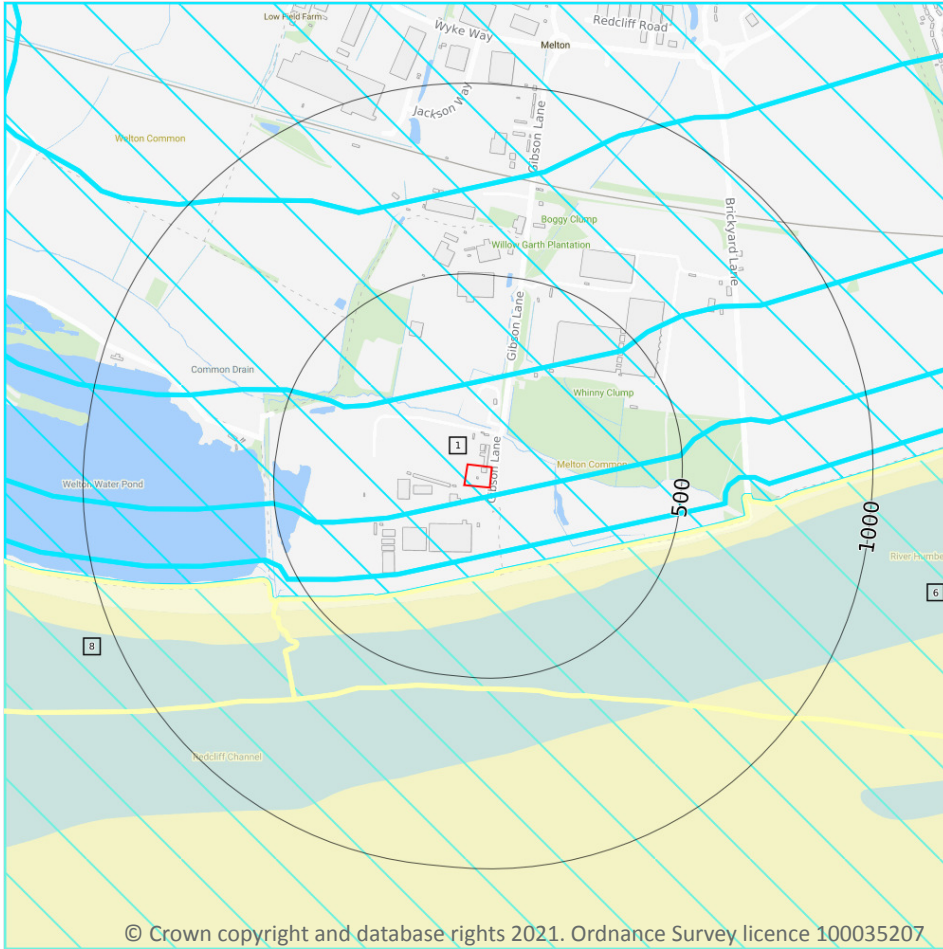


Location	Name	Type	NVZ ID	Status
1495m E	Yorkshire Chalk	Groundwater	G106	Changed

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

11.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 69**

ID	Location	Type of developments requiring consultation
1	On site	<p>All applications - All Planning Applications (Except Householder) Outside Or Extending Outside Existing Settlements/urban Areas Affecting Greenspace, Farmland, Semi Natural Habitats Or Landscape Features Such As Trees, Hedges, Streams, Rural Buildings/structures</p> <p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream (NB this does not include discharges to mains sewer which are unlikely to pose a risk at this location).</p> <p>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</p>

This data is sourced from Natural England.

11.18 SSSI Units

Records within 2000m	7
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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 69**

ID:	6
Location:	221m S
SSSI name:	Humber Estuary
Unit name:	Melton Creek
Broad habitat:	Littoral Sediment
Condition:	Unfavourable - Recovering
Reportable features:	



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Unfavourable - Recovering	21/12/2010
Littoral sediment	Unfavourable - Recovering	21/12/2010

ID: 7
 Location: 528m S
 SSSI name: Humber Estuary
 Unit name: Blacktoft Channel North
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Favourable	21/12/2010
Estuaries	Unfavourable - Recovering	21/12/2010
River lamprey, <i>Lampetra fluviatilis</i>	Unfavourable - Recovering	21/12/2010
Sea lamprey, <i>Petromyzon marinus</i>	Unfavourable - Recovering	21/12/2010

ID: 8
 Location: 575m SW
 SSSI name: Humber Estuary
 Unit name: Welton Clough
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Unfavourable - Recovering	21/12/2010
Littoral sediment	Favourable	21/12/2010

ID: -
 Location: 1398m E
 SSSI name: Humber Estuary
 Unit name: Redcliff Sand West
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Recovering	21/12/2010

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Unfavourable - Recovering	21/12/2010
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Recovering	21/12/2010
Littoral sediment	Favourable	21/12/2010

ID: -
 Location: 1566m W
 SSSI name: Humber Estuary
 Unit name: Elloughton Clough
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Recovering	07/01/2010
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Unfavourable - Recovering	07/01/2010
Littoral sediment	Favourable	07/01/2010
SM4-28 - Saltmarsh	Unfavourable - Recovering	14/11/2012

ID: -
Location: 1736m N
SSSI name: Melton Bottom Chalk Pit
Unit name: Southern Pit (Lake & Restoration Area)
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
ED - Cenomanian-Maastrichtian	Favourable	19/05/2010

ID: -
Location: 1919m N
SSSI name: Melton Bottom Chalk Pit
Unit name: Southern Pit (Arable Land)
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
ED - Cenomanian-Maastrichtian	Favourable	19/05/2010

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

12 Visual and cultural designations

12.1 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.

12.2 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.

12.3 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.

12.4 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 English Heritage, Cadw and Historic Environment Scotland.

12.5 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 English Heritage, Cadw and Historic Environment Scotland.

12.6 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 English Heritage, Cadw and Historic Environment Scotland.

12.7 Registered Parks and Gardens

Records within 250m

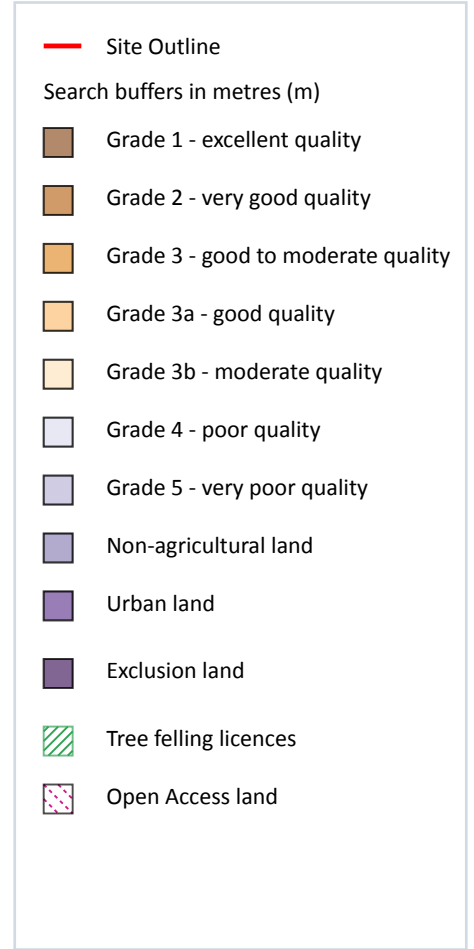
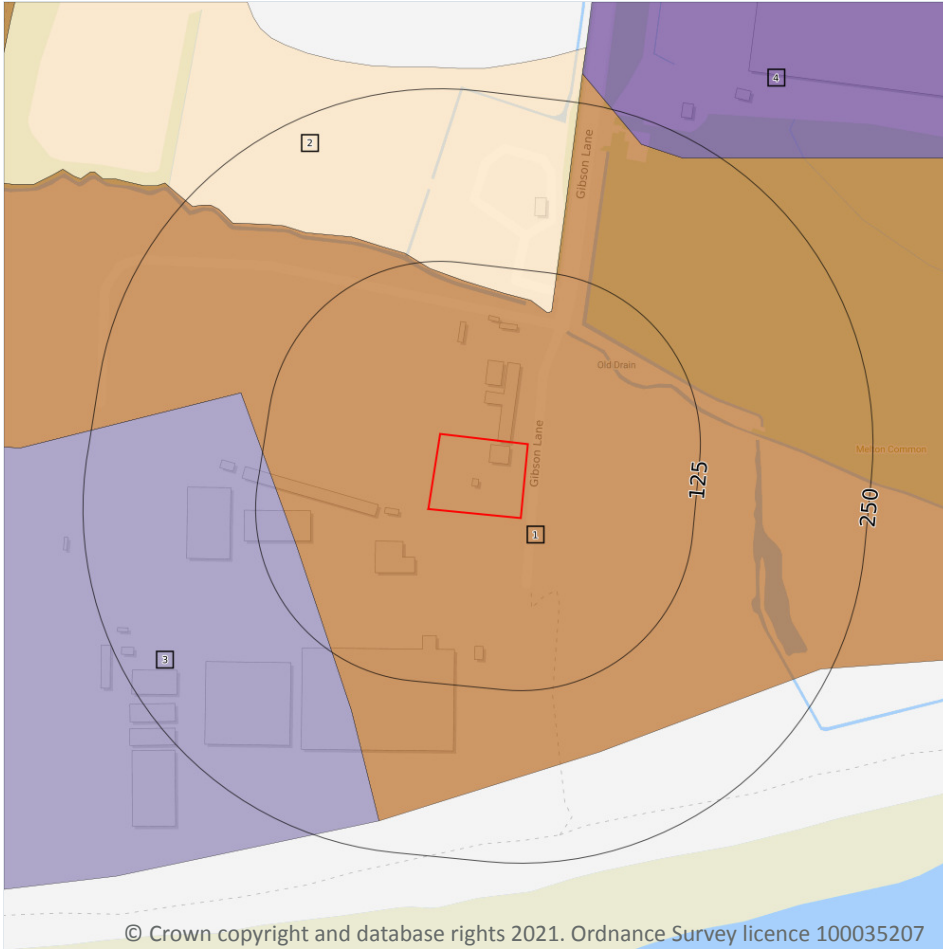
0

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 English Heritage, Cadw and Historic Environment Scotland.



13 Agricultural designations



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13.1 Agricultural Land Classification

Records within 250m

4

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 77**

ID	Location	Classification	Description
1	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
2	96m N	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.
3	99m W	Non Agricultural	-
4	232m N	Urban	-

This data is sourced from Natural England.

13.2 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.

13.3 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.

13.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

This data is sourced from Natural England.



13.5 Countryside Stewardship Schemes

Records within 250m

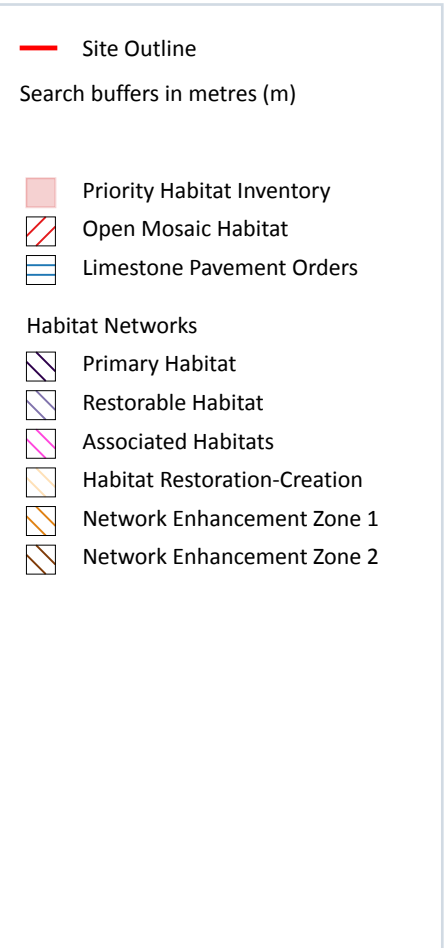
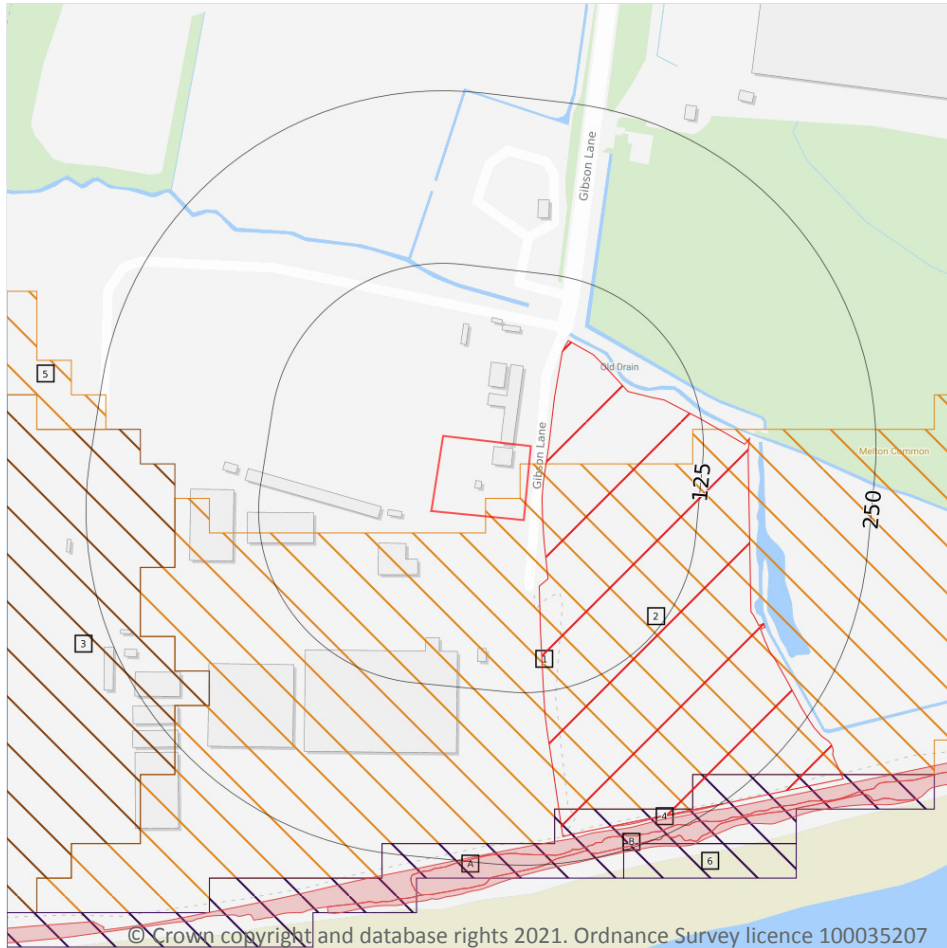
0

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.

This data is sourced from Natural England.



14 Habitat designations



14.1 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 80**

ID	Location	Main Habitat	Other habitats
4	231m S	No main habitat but additional habitats present	Main habitat: RBEDS (INV > 50%)
A	232m S	Reedbeds	Main habitat: RBEDS (INV > 50%)
B	238m S	Coastal saltmarsh	Main habitat: RBEDS (INV > 50%); SALTM (INV > 50%)
B	244m S	Coastal saltmarsh	Main habitat: RBEDS (INV > 50%); SALTM (INV > 50%)

This data is sourced from Natural England.

14.2 Habitat Networks

Records within 250m

5

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.

Features are displayed on the Habitat designations map on **page 80**

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 1	Not specified
3	186m W	Network Enhancement Zone 2	Not specified
A	211m S	Primary Habitat	Reedbeds
5	242m W	Network Enhancement Zone 1	Not specified
6	245m S	Primary Habitat	Saltmarsh

This data is sourced from Natural England.

14.3 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 80**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
2	12m E	HLD_refs: EAHLD0576 0	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.



14.4 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.



Data providers

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