

**Site Condition Report (SCR) - Bespoke
Installation Permit Application: Pattemore's
Dairy, Mosterton Road, Misterton, Crewkerne,
Somerset, TA18 8NT**

On Behalf of: Pattemore's Transport (Crewkerne) Limited

ETL886/2024

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Abbreviations

BGS	British Geological Survey
CAS	Chemical Abstract Service
C&L Inventory	Classification and Labelling Inventory
CLP	Classification, Labelling and Packaging of Substances and Mixtures Regulations 2008
CIP	Cleaning in place
DAF	Dissolved air flotation
ECHA	European Chemicals Agency
EA	Environment Agency
EMS	Environmental Management System
EPR	Environmental Permitting (England and Wales) Regulations 2016
IBC	Intermediate Bulk Container
m AOD	metres above Ordnance Datum
MVP	Mechanical Vapour Recompression
NGR	National Grid Reference
SCR	Site Condition Report
STOT	Specific target organ toxicity
UN	United Nations

1. Introduction

This document, comprising a Site Condition Report (SCR) including a Baseline Report, has been prepared by Earthcare Technical Ltd on behalf of Pattimore's Transport (Crewkerne) Ltd in support of an application for a new bespoke Installation Environmental Permit for a Food and Drink Sector Installation at Pattimore's Dairy, Mosterton Road, Misterton, Crewkerne, Somerset, TA18 8NT, centred on National Grid Reference (NGR): ST 46007 07193, herein termed 'the Site'. The plant is operated by Pattimore's Transport (Crewkerne) Limited (Pattimore's), herein termed 'the Operator'.

The permit application, which this SCR supports, is for a new bespoke installation permit for the following listed activities found in Schedule 1 of the Environmental Permitting (England and Wales) Regulations 2016:

- Section 6.8 Part A(1)(e) -Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis) (for the food and drink production facility)
- Section 5.4 Part A(1) (a) (i) - Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment (for the associated effluent treatment plant).

The Environmental Permitting Regulations Site Condition Report guidance for applicants H5,¹ defines a SCR as a document that describes and records the condition of the land and groundwater at a site at a point in time. When an operator applies to the Environment Agency (EA) to surrender the Environmental Permit, the SCR can be used to demonstrate that the land and water within the vicinity have been protected during the lifetime of the regulated facility and that the land is in a satisfactory state.

The Baseline Report assessment in Section 5 of the SCR draws upon European Commission Guidance² which explains that a baseline report is required where an activity involves the use, production or release of relevant hazardous substances, having regard to the possibility of soil and groundwater contamination.

This report describes the site condition at the time of the permit application. It is designed to be updated and retained through the operational phase of the regulated facility, for use as a reference at the end of the operational phase, when the operator makes an application to surrender the Environmental Permit. The site is already operational however, an environmental permit for the site is now required as the scale of operations at the site over time have increased such that they now reach or exceed the limits for the listed activities under the Environmental Permitting (England and Wales) Regulations 2016.

The SCR comprises information gathered during a site walkover by Earthcare Technical Limited (25 April 2024) and a desk top study utilising:

- Publicly available information
- Enviro Geo Insight Report, Groundsure (July 2024)

¹ H5, Site condition report – guidance and templates, LIT8001 Version 3.0 April 2013.

² European Commission Guidance concerning baseline reports under Article 22(2) of Directive 2010/75/EU on industrial emissions (2014/C 136/03)

Note that the proposed permitted area has been extended since the Enviro Geo Insight Report was obtained in July 2024 and now includes approximately an additional hectare of land to the south east which will now include additional infrastructure: a lined effluent storage lagoon, effluent separation plant, surface water settlement tanks, a silt separator and associated soakaway. The SCR contains information pertaining to the entire proposed permitted area and the findings from the Enviro Geo Insight Report have been updated accordingly.

Please refer to the following SCR template which has been replicated from the guidance for the purposes of consistency. Section 5 comprises the Baseline Report assessment.

2. Site Details

Name of applicant	Pattimore's Transport (Crewkerne) Limited
Activity address	Pattimore's Dairy, Mosterton Road, Misterton, Crewkerne, Somerset, TA18 8NT
National grid reference	ST 46007 07193
Site footprint	The site footprint (proposed permitted area) is approximately 6.3 hectares (15.5 acres)
Existing Infrastructure	<ul style="list-style-type: none"> • Access road • Weighbridge • Lorry Wash Bay • 2 No. Parking Areas • Office Buildings • 13 No. Milk Silos • 14 No. Cream Silos • 8 No. Skim Silos • Milk Reception Building • Separator Building (containing 4 No. centrifuges to separate milk from cream) • Main Dairy Building including: <ul style="list-style-type: none"> ○ Lorry Loading Bay ○ Pasteuriser Room ○ Evaporator 1 ○ Long Life Cream Area ○ Pergul Lines (filling machine for bags) ○ Cream Filling Room ○ Cold Storage ○ Pallecon Storage (clad IBC) ○ 2 No. Mains Water Storage on roof ○ 3 No. Air Conditioning Units ○ 3 No. Chillers • 1 No. Chiller (on plinth) • Tray Wash (tented structure) • Mechanical Vapour Recompression (MVR) Building (Evaporator 2) • 5 No. Cleaning in Place (CIP) systems • 2 No. Bulk Storage Tanks for caustic (30%) • 2 No. Bulk Storage Tanks for prime CIP (30% caustic) • IBC Storage Areas for chemicals • Cooling Tower • Mechanics Workshop including engine oil storage • Maintenance workshop containing back-up generator • 3 No. Kerosene Boilers for steam production (fixed) • 1 No. Kerosene Boiler for steam production (mobile) • 2 No. bunded Kerosene Tanks • 3 No. bunded Diesel Tanks

	<ul style="list-style-type: none"> • 1 No. bunded Ad Blue Tank • 1 No. Back-up Generator (inside Maintenance Workshop) • 1 No. Glycol Tank • 3 No. Water Storage Tanks • Effluent Treatment Plant including: <ul style="list-style-type: none"> ○ 6 No. Back Tanks (for storage of effluent) ○ 2 No. Stainless Steel Tanks (associated with the Back Tanks) ○ Balance Tank ○ Dissolved Air Flotation (DAF) Plant ○ Biomass (BIO) DAF Plant ○ Anoxic Tanks ○ Sludge Tanks ○ Screw Press for sludge in shed ○ Membrane Bioreactor (MBR) • 1 No. Sewage Treatment Plant • Borehole • 1 No. Clean Water Storage Pit • Site Drainage Containment • Dirty Water Storage Pit & Tank (Emergency Overflow Pit & Emergency Overflow Tank) • Reed bed and 3 No. Ponds for final polishing of effluent prior to discharge
<p>Proposed additional infrastructure</p>	<ul style="list-style-type: none"> • New line for goat milk and associated: <ul style="list-style-type: none"> ○ 1 No. Goat Milk Silo ○ CIP system ○ Robotic Packaging Plant • 2 No. Raw Milk Silos (140m³ each) • 2 No. Skim Silos (140m³ each) • Additional CIP to serve as an Upgrade to CIP set 1 • New development to the east of site including: <ul style="list-style-type: none"> ○ Dry store and Packaging Warehouse ○ 1 No. Sewage Treatment Plant ○ New Workshop ○ Fuel Storage ○ Waste Oil Store ○ Additional Effluent and Water Storage ○ 3 No. Concrete Surface Water Settlement Ponds with Clarifier, Dewatering Bag and Soakaway
<p>Document reference and dates for Site Condition Report at permit application</p>	<p>Application SCR (this report): Site Condition Report (SCR) - Bespoke Installation Permit Application: Pattemore's Dairy, Mosterton Road, Misterton, Crewkerne, Somerset, TA18 8NT (ETL886/2024/SCR/V1.0/Pattemore's Dairy/Nov24)</p>
<p>Document References for site plans (including location and boundaries)</p>	<p>Figure 1: Site Location Plan (ETL886/2024/EPR01) Figure 2: Permit Boundary & Emission Point Plan (ETL886/2024/EPR02)</p>

	<p>Figure 3: Site Layout Plan (ETL886/2024/EPR03)</p> <p>Figure 4: Human Receptor Plan (1km), (ETL886/2024/EPR04)</p> <p>Figure 5: Site Buildings Layout with Key Code Description, Pattamore's.</p> <p>(See Figures)</p>
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3. Condition of the Land at Permit Issue

<p>Environmental setting including:</p> <ul style="list-style-type: none"> • Geology • Hydrogeology • Surface waters • Flood risk 	<p>Geology</p> <p>The site is at an elevation of approximately 90m above Ordnance Datum (m AOD).</p> <p>The soil type is classified predominantly as freely draining, shallow lime-rich soils over limestone with a loamy texture.³</p> <p>As detailed in Section 15 of the Enviro Geo Insight Report (Appendix A):</p> <ul style="list-style-type: none"> • The bedrock geology predominantly comprises Bridport Sand Formation – Sandstone. However, the southern fringes of the site (the reedbed and ponds) are shown to have bedrock geology of Inferior Oolite Group - Limestone, Ooidal. The plan on page 80 shows the demarcation between the two types of bedrock geology. • The bedrock permeability is classified as either high in the case of intergranular flow or very high in the case of mixed flow type. • There are no bedrock faults and other linear features on site. • There are no records of superficial geology on site except for the area of Clay, Silt, Sand and Gravel associated with the tributary of the River Parrett along the southern side boundary and extending east and north along the route of the river. These superficial deposits allow an intergranular flow type which ranges from very low to high permeability. <p>In accordance with Section 17 of the Enviro Geo Insight Report (Appendix A):</p> <ul style="list-style-type: none"> • The hazard rating of natural ground subsidence on site is low or negligible apart from the area of superficial deposits along the river corridor where the hazard rating for shrink swell clays, running sands and compressible deposits is higher. • The hazard rating of natural ground subsidence on site as a result of collapsible deposits, landslides or ground dissolution of soluble rocks is very low or negligible. <p>In accordance with Section 16 of the Enviro Geo Insight Report (Appendix A):</p> <ul style="list-style-type: none"> • There is one borehole on site as registered by the British Geological Survey (BGS). This borehole may be used by the Operator in accordance with an Environmental Permit (Ref: 16/52/003/G/166) to abstract a maximum of 55m³ per day and 16,500m³ per year of water for cleaning down and mixing with polymers. <p>Hydrogeology</p> <p>As detailed in Section 5 of the Enviro Geo Insight Report (Appendix A):</p> <ul style="list-style-type: none"> • The soil surface is high leaching class with an infiltration value of >70% • The entire site sits upon a bedrock aquifer which is classified as a principal aquifer; Geology of high intergranular and/or fracture
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³ <https://magic.defra.gov.uk/MagicMap.aspx> Accessed 30 July 2024

permeability, usually providing a high level of water storage which may support water supply/river base flow on a strategic scale.

- The area of Clay, Silt, Sand and Gravel associated with the tributary of the River Parrett along the southern side boundary and extending east and north along the route of the tributary of the River Parrett are classified as a superficial Secondary A aquifer.
- Both the superficial and bedrock aquifers are classified as high vulnerability.
- The site is not within a Groundwater Source Protection Zone.
- The site is not within a Drinking Water Safeguard Zones (Groundwater) (England).
- There is an active groundwater abstraction on site as detailed under 'Geology'. There is an historic groundwater abstraction at Knowle Farm 216m to the west of the site. There are 3 No. other active groundwater abstractions within 2km of the site; the closest being at Hellings Farm 1,788m to the north.

Surface Water

The site lies to the north of a tributary of the River Parrett and the proposed southern boundary of the site lies along the route of the watercourse. The site drainage enters this tributary via two permitted emission points.

The catchment area is the Parrett - headwaters to Broad River Water Body and was classified in 2022 under the Water Framework Directive as follows:

- Ecological status – moderate
- Physico-chemical quality elements – high
- Hydromorphological Supporting Elements – supports good
- Chemical – does not require assessment⁴

In accordance with Section 5.7 of the Enviro Geo Insight Report (Appendix A) there are 2 No. surface water abstraction within 2km however the only active one is 881m north west and therefore related to a different tributary of the River Parrett.

The site is not located within a Drinking Water Protected Area (Surface Water) or a Drinking Water Safeguard Zone (Surface Water).

Flood Risk

The site is in a Flood zone 1 which means that overall, there is a low probability of flooding from rivers or sea.⁵

In accordance with Section 8.1 of the Enviro Geo Insight Report (Appendix A) there is a risk of surface water flooding along the northern edge of the tributary of the River Parrett along the southern boundary of the site. The Highest risk on site is flooding of 0.3m - 1.0m during a 1 in 30 year flood event.

⁴ <https://environment.data.gov.uk/catchment-planning/WaterBody/GB108052015260> Accessed 30 July 2024

⁵ <https://flood-map-for-planning.service.gov.uk/> Accessed 30 July 2024.

	<p>In accordance with Section 9.1 of the Enviro Geo Insight Report (Appendix A) there is a low risk of groundwater flooding.</p>
<p>Pollution history including:</p> <ul style="list-style-type: none"> ● Pollution incidents that may have affected land. ● Historical land uses and associated contaminants ● Any visual/ olfactory evidence of existing contamination ● Evidence of damage to pollution prevention measures 	<p>Pollution incidents that may have affected land.</p> <p>As detailed in Sections 4.18 of the Enviro Geo Insight Report (Appendix A) there are no substantiated pollution incidents within 500m of the site. Note that since 2006 this data has only included Category 1 (major) and 2 (significant) pollution incidents.</p> <p>Permitted activities that may have affected land.</p> <p>As detailed in Section 3 of the Enviro Geo Insight Report (Appendix A), there are no active or historical landfills, licensed waste sites or historic waste sites within 500m of the site.</p> <p>Historical / current land uses</p> <p>As detailed in Section 18.2 and shown on the plan of page 93 of the Enviro Geo Insight Report (Appendix A), there were unspecified Surface ground workings within the southern side of the site recorded in 1901 and 1938.</p> <p>As detailed in Section 1.1 of the Enviro Geo Insight Report (Appendix A) there was an abattoir on site in 1980. The aerial photography on pages 9 to 13 shows the development of the site since 1999 including the installation of the effluent treatment plant between 2014 and 2018. The eastern section of the site was a field in 2014 and has been progressively utilised more since then.</p> <p>Potential contaminants associated with previous site use</p> <p>As detailed in Section 4.5 of the Enviro Geo Insight Report (Appendix A) there are no records of sites determined as Contaminated Land within 500m of the study site.</p> <p>As detailed in Section 4.16 and 4.17 of the Enviro Geo Insight Report (Appendix A) there are no records of discharges of List 1 or List 2 Dangerous Substances within 500m of the site.</p> <p>Any visual / olfactory evidence of existing contamination</p> <p>At the time of the site walkover carried out by Earthcare Technical Limited (25 April 2024) there was no evidence of land contamination within the proposed permitted area.</p> <p>Evidence of damage to pollution prevention measures</p> <p>At the time of the site walkover carried out by Earthcare Technical Limited (25 April 2024), there was no evidence of damage to pollution prevention measures in place.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment,</p>	<p>Please see above under 'Any visual / olfactory evidence of existing contamination'. There is no evidence indicating potential historical contamination of the site.</p>

remediation and verification reports	
Baseline soil and groundwater reference data	Please refer to Section 20 of the Enviro Geo Insight Report (Appendix A), which contains information on BGS Estimated Background Soil Chemistry. The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. No ground investigation and analysis of soils for potential contaminants has been carried out.
Supporting information	<ul style="list-style-type: none">• Enviro Geo Insight Report (Appendix A)• Site Walkover Photographs (Appendix B)

4. Permitted Activities

<p>Proposed Permitted activities</p>	<ul style="list-style-type: none"> • Schedule 1 of the EPR under Section 6.8 Part A(1)(e). Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis). • Schedule 1 of the EPR under Section 5.4 Part A (1) (a) (i). Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment. <p>Directly Associated Activities (DAAs):</p> <ul style="list-style-type: none"> • Packaging of plant-based milk • Steam supply • Cleaning • Use of refrigerants • Storage of raw material • Oils and chemicals storage • Waste storage, handling and dispatch • Lorry wash • Emergency back-up generator • Surface water collection, storage and discharge
<p>Non – permitted activities</p>	<p>None</p>
<p>Document references:</p> <ul style="list-style-type: none"> • Plan showing activity layout; and • Environmental risk assessment 	<ul style="list-style-type: none"> • Site Layout Plan (ETL886/2024/EPR03) Figure 3 • Environmental Risk Assessment – Appendix A of Environmental Management System (EMS) Manual (PAT-OD-01)

5. Baseline Report Assessment

5.1 Introduction

This section comprises an assessment of whether a Baseline Report is required before permitted activities commence on site. The guidance² states that a Baseline Report should include:

- *'Information on the present use and, where available, on past uses of the site; and*
- *where available, existing information on soil and groundwater measurements that reflect the state at the time the report is drawn up or, alternatively, new soil and groundwater measurements having regard to the possibility of soil and groundwater contamination by those hazardous substances to be used, produced or released by the installation concerned.'*

The stages of the Baseline Report assessment are replicated below followed by the assessment of the proposed site and activities in line with the guidance.

5.2 Stage 1

Activity - Identify which hazardous substances are used, produced or released at the installation and produce a list of these hazardous substances.

Objective - Determine whether or not hazardous substances are used, produced or released in view of deciding on the need to prepare and submit a baseline report.

Table 1 below show the hazardous substances that are stored on site, their use and storage arrangements including the maximum amount that may be stored at any one time.

Table 1 – Hazardous Substances

Hazardous Substance	Form	United Nations (UN) Number ⁶	Maximum amount stored on site at any one time	Location on site (see Site Buildings Layout with Key Code Description, Figure 5)	Containment
Propane Gas, 4 and 7kg bottles	Liquid	UN1995	40kg	No. 1	At work bench or in cage
Argon Gas, 2 and 7kg bottles	Liquid	UN1951	100kg	No. 2	At work bench or in cage
Sodium Hydroxide Solution (Caustic) (30%)	Liquid	UN1824	30m ³	No. 3	Bulk and IBCs
Sodium Hydroxide Solution (Caustic) (30%) (Prime Cleaning in Place)	Liquid	UN1824	20m ³	No. 4	Bulk and IBCs
Pascal descaler (Nitric Acid 50%)	Liquid	UN2031	15m ³	No. 5	IBCs
Sulphuric Acid (77%)	Liquid	UN1830	8m ³	No. 6	IBCs
Hydrogen Peroxide & Peroxyacetic Acid (not more than 5%) mixture with acid(s) and water, stabilized	Liquid	UN3149	2m ³	No. 7	IBCs
Chlorofoam (contains Sodium Hydroxide, Sodium Hypochlorite, foaming agents and a blend of sequestering agents to inhibit scale formation and improve detergency)	Liquid	UN1888	2m ³	No. 8	IBCs
Sodium Hydroxide Solution (Traffic Film Remover) (caustic based) 20%	Liquid	UN1824	2m ³	No. 9	IBCs

⁶ <https://adr-tool.com/> Accessed 14 October 2024

Hazardous Substance	Form	United Nations (UN) Number ⁶	Maximum amount stored on site at any one time	Location on site (see Site Buildings Layout with Key Code Description, Figure 5)	Containment
Sodium Hypochlorite (15%)	Liquid	UN1791	4m ³	No. 10	200lt Barrels
Sodium Hypochlorite (10%)	Liquid	UN1791	4m ³	No. 11	25lt Barrels
Calcium Chloride (1-40%) (Phos Clear C)	Liquid	Not applicable	6m ³	No. 12	IBCs
Magnesium nitrate hexahydrate (30%) (MN30 Trufloc®)	Liquid	Not applicable	6m ³	No. 13	IBCs
Mixed oxidants (0.75%) (Hydrus 75)	Liquid	Not applicable	6m ³	No. 14	IBCs
Aluminium Chloride Hydroxide Sulphate (Poly Aluminium Chloride (PAC18))	Liquid	UN3264	6m ³	No. 15	IBCs
Cationic polyacrylamide oil in water emulsion (Trufloc® COEX88 Polymer)	Liquid	Not applicable	2m ³	No. 16	IBCs
Ethylene glycol (Anti-freeze)	Liquid	Not applicable	20m ³	No. 17	Bulk, Diluted and IBCs
Sodium Hydroxide Solution (Caustic Based Cleaning Chemicals)	Liquid	UN1824	0.5m ³	No. 18	25lt Barrels
Cleaning Chemicals including Flash Cleaning Liquid	Liquid	UN3264	0.4m ³	No. 18	25lt Barrels
Sodium Hypochlorite (P625)	Liquid	UN1789	0.4m ³	No. 19	25lt Barrels

Hazardous Substance	Form	United Nations (UN) Number ⁶	Maximum amount stored on site at any one time	Location on site (see Site Buildings Layout with Key Code Description, Figure 5)	Containment
Not in use				No. 20	
Citric Acid	Crystal Form	N/A	3 tonnes	No. 21	25kg Bags on Pallet
Urea	Crystal Form	N/A	3 tonnes	No. 22	25kg Bags on Pallet
Sodium Carbonate	Powder Form	N/A	3 tonnes	No. 23	25kg Bags on Pallet
Sodium Hypochlorite (P650) (Cooling Tower)	Liquid	UN1789	0.4m ³	No. 24	25lt barrels
Acetic Acid (80%)	Liquid	UN2789	6m ³	No. 25	IBCs
Nitric Acid (60%)	Liquid	UN2031	4m ³	No. 26	Bulk
Kerosene	Liquid	UN1202	82m ³	No. 27	Bulk
Diesel	Liquid	UN1202	66m ³	No. 28	Bulk
Engine Oil	Liquid	UN1202	5m ³	No. 29	Bulk
AdBlue	Liquid	Not applicable	19m ³	No. 30	Bulk

5.3 Stage 2

Activity - Identify which of the hazardous substances from Stage 1 are 'relevant hazardous substances.' Discard those hazardous substances that are incapable of contaminating soil or groundwater. Justify and record the decisions taken to exclude certain hazardous substances.

Objective - To restrict further consideration to only the relevant hazardous substances in view of deciding on the need to prepare and submit a baseline report.

'Relevant hazardous substances' (Article 3(18) and Article 22(2), first subparagraph) are those substances or mixtures defined within Article 3 of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) which, as a result of their hazardousness, mobility, persistence and biodegradability (as well as other characteristics), are capable of contaminating soil or groundwater and are used, produced and/or released by the installation.

An assessment of each substance in Table 1 has been made using the Classification and Labelling (C&L) Inventory Database⁷ and the following substances in Table 2 are relevant hazardous substances:

⁷ <https://echa.europa.eu/information-on-chemicals/cl-inventory-database> Accessed 14 October 2024

Table 2 – Assessment of Relevant Hazardous Substances

Hazardous Substance	EC: European Community number/ List no.: List number assigned by ECHA.	Chemical Abstract Service (CAS) Registry number	Classification	Relevant hazardous substance (Yes / No)
Propane Gas	Not applicable- not listed on Classification & Labelling Inventory	Not applicable	Not applicable	No – as a gas, this substance has no potential to cause soil or groundwater pollution
Argon Gas	As above	Not applicable	Not applicable	No - as a gas, this substance has no potential to cause soil or groundwater pollution
Sodium Hydroxide Solution (Caustic) (20% & 30%)	As above	Not applicable	Not applicable	No
Nitric Acid (50%) (Pascal descaler) & Nitric Acid (60%)	231-714-2	7697-37-2	<ul style="list-style-type: none"> • Skin Corrosion – sub category 1A • Acute Toxicity. 3 • (Ox. Liq. 3 Not applicable as <65% concentration) 	Not classified as harmful to the environment.
Sulphuric Acid	231-639-5	7664-93-9	Skin Corrosive – sub-category 1A	Not classified as harmful to the environment.
Hydrogen Peroxide & Peroxyacetic Acid (not more than 5%) mixture with acid(s) and water, stabilized: <ul style="list-style-type: none"> • Hydrogen Peroxide 	231-765-0	7722-84-1	<ul style="list-style-type: none"> • Oxidizing Liquid Category 1. 	

Hazardous Substance	EC: European Community number/ List no.: List number assigned by ECHA.	Chemical Abstract Service (CAS) Registry number	Classification	Relevant hazardous substance (Yes / No)
<ul style="list-style-type: none"> Peroxyacetic Acid 	Not listed	Not applicable	<ul style="list-style-type: none"> Acute Toxicity Category 4 Skin Corrosion sub-category 1A Not applicable	Not classified as harmful to the environment. No
Chlorofoam: <ul style="list-style-type: none"> Sodium Hydroxide Sodium Hypochlorite Foaming agents Blend of sequestering agents to inhibit scale formation and improve detergency 	<ul style="list-style-type: none"> Not listed 231-668-3 Not known Not known 	<ul style="list-style-type: none"> Not listed 7681-52-9 Not known Not known 	<ul style="list-style-type: none"> Skin Corr. 1B Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 2 Met. Corr. 1 	Yes
Sodium Hypochlorite (10% , 15%, P625 & P650)	231-668-3		<ul style="list-style-type: none"> Skin Corr. 1B Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 2 Met. Corr. 1 	Yes
Calcium Chloride (Phos Clear C)	233-140-8	10043-52-4	<ul style="list-style-type: none"> Eye Irrit. 2 	Not classified as harmful to the environment.
Magnesium nitrate hexahydrate(30%) (MN30 Trufloc®)	603-823-9	13446-18-9	None	No
Mixed oxidants (0.75%) (Hydrus 75) containing: <ul style="list-style-type: none"> Hypochlorous Acid Sodium Hypochlorite 	<ul style="list-style-type: none"> 232-232-5 231-668-3 	<ul style="list-style-type: none"> 7790-92-3 7681-52-9 	<ul style="list-style-type: none"> Not classified Skin Corr. 1B Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 1 	Yes

Hazardous Substance	EC: European Community number/ List no.: List number assigned by ECHA.	Chemical Abstract Service (CAS) Registry number	Classification	Relevant hazardous substance (Yes / No)
<ul style="list-style-type: none"> Ozone 	<ul style="list-style-type: none"> 233-069-2 	<ul style="list-style-type: none"> 10028-15-6 	<ul style="list-style-type: none"> Ox. Gas 1 Skin Corr. 1B Eye Dam. 1 Acute Tox. 1 Specific target organ toxicity (STOT) RE 1 Aquatic Acute 1 Aquatic Chronic 1 	
Aluminium Chloride Hydroxide Sulphate (Poly Aluminium Chloride (PAC18))	254-400-7	39290-78-3	<ul style="list-style-type: none"> Met. Corr. 1 Eye Irrit. 2 	Yes may be damaging to controlled waters due to low pH
Cationic polyacrylamide oil in water emulsion (Trufloc® COEX88 Polymer) containing: <ul style="list-style-type: none"> 20-30%- Hydrocarbons, C12 – C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics <5% - Isotridecanol, ethoxylated 	920-107-4 500-241-6	Not applicable 69011-36-5	<ul style="list-style-type: none"> Asp. Tox. 1 Aquatic Acute 1 Aquatic Chronic 3 	Yes
Ethylene glycol	609-475-4	3775-85-7	Not classified	No
Cleaning Chemicals including Flash Cleaning Liquid containing Alcohols, C9-11, ethoxylated	614-482-0	68439-46-3	<ul style="list-style-type: none"> Acute Tox. 4 Eye Dam. 1 	Not classified as harmful to the environment.
Citric Acid	201-069-1	77-92-9	<ul style="list-style-type: none"> Eye Irrit. 2 Specific target organ toxicity (STOT) SE3 	Not classified as harmful to the environment.

Hazardous Substance	EC: European Community number/ List no.: List number assigned by ECHA.	Chemical Abstract Service (CAS) Registry number	Classification	Relevant hazardous substance (Yes / No)
Urea	200-315-5	57-13-6	Not classified	Yes - Urea can lead to eutrophication of water bodies. However, the urea is in a solid form and kept dry so not considered further in this assessment.
Sodium Carbonate	207-838-8	497-19-8	<ul style="list-style-type: none"> • Eye Irrit. 2 	Not classified as harmful to the environment.
Acetic Acid	200-580-7	64-19-7	<ul style="list-style-type: none"> • Flam. Liq. 3 • Skin Corr. 1A 	Not classified as harmful to the environment.
Kerosene	953-852-9	Not applicable	<ul style="list-style-type: none"> • Flam. Liquid Category 3 • Skin Corrosion/Irritation Category 2 • Aspiration Hazard Category 1 • STOT SE Category 3 • Aquatic Chronic Category 2⁸ • Asp. Tox. 1 	Yes
Diesel	269-822-7	68334-30-5	<ul style="list-style-type: none"> • Carcinogenic – sub-category 2 	Yes

⁸ https://www.globalp.com/wp-content/uploads/2019/10/SDS_Kerosene_Final1.pdf Accessed 15 October 2024

Hazardous Substance	EC: European Community number/ List no.: List number assigned by ECHA.	Chemical Abstract Service (CAS) Registry number	Classification	Relevant hazardous substance (Yes / No)
Engine oil (Mercedes-Benz Trucks & Buses Genuine Engine Oil SAE 5W-30 MB)	See Appendix C for full classification	See Appendix C for full classification	<ul style="list-style-type: none"> • Asp. Tox 1 • Aquatic Chronic 4 • Eye Irrit. 2 • Skin Sens 1B; 	Yes
Diesel exhaust fluid (AdBlue) – 32.2% urea and 67.5% deionised water	200-315-5	CAS Registry Number for urea 57-13-6	Not classified	Yes - Urea can lead to eutrophication of water bodies

5.4 Stage 3

Activity - For each relevant hazardous substance brought forward from Stage 2, identify the actual possibility for soil or groundwater contamination at the site of the installation, including the probability of releases and their consequences, and taking particular account of:

- *the quantities of each hazardous substance or groups of similar hazardous substances concerned;*
- *how and where hazardous substances are stored, used and to be transported around the installation;*
- *where they pose a risk to be released;*

In case of existing installations also the measures that have been adopted to ensure that it is impossible in practice that contamination of soil or groundwater takes place.

Objective - To identify which of the relevant hazardous substances represent a potential pollution risk at the site based on the likelihood of releases of such substances occurring. For these substances, information must be included in the baseline report.

Table 3 below lists the relevant hazardous substances identified through Stage 2 and provides a risk assessment with regard to the potential for causing soil or groundwater contamination on the site.

Table 3- Soil and Groundwater Risk Assessment with Respect to Relevant Hazardous Substances

Relevant Hazardous Substance	Classification	Form	Maximum stored at any one time	Potential risk to soil or groundwater	Use and storage arrangements	Further control measures	Residual risk to soil or groundwater
Sodium Hypochlorite (10% , 15%, P625, P650 & in Chlorofoam)	<ul style="list-style-type: none"> Aquatic Acute 1 Aquatic Chronic 2 	Liquid	8.8m ³	Yes	2 No. bulk storage tanks; and 32 No. 25lt barrels	<ul style="list-style-type: none"> Provision of spill kits Training of staff on spillage procedures Daily visual check for spillages or damage Procedure in place to contain spillages within the surface water drainage system 	Low
Mixed oxidants (0.75%) (Hydrus 75) containing: <ul style="list-style-type: none"> Hypochlorous Acid Sodium Hypochlorite Ozone 	<ul style="list-style-type: none"> Ox. Gas 1 Skin Corr. 1B Eye Dam. 1 Acute Tox. 1 Specific target organ toxicity (STOT) RE 1 Aquatic Acute 1 Aquatic Chronic 1 	Liquid	6m ³	Yes	Stored with IBCs within a bunded area	<ul style="list-style-type: none"> As above 	Low
Aluminium Chloride Hydroxide Sulphate (Poly Aluminium Chloride (PAC18))	<ul style="list-style-type: none"> Met. Corr. 1 Eye Irrit. 2 	Liquid	6m ³	Yes may be damaging to groundwater due to low pH	Stored with IBCs within a bunded area	<ul style="list-style-type: none"> As above 	Low
Cationic polyacrylamide oil in water emulsion (Trufloc®)	<ul style="list-style-type: none"> Asp. Tox. 1 Aquatic Acute 1 Aquatic Chronic 3 	Liquid	2m ³	Yes	Stored with IBCs within a bunded area and used as part of	<ul style="list-style-type: none"> As above 	Low

Relevant Hazardous Substance	Classification	Form	Maximum stored at any one time	Potential risk to soil or groundwater	Use and storage arrangements	Further control measures	Residual risk to soil or groundwater
COEX88 Polymer) containing: <ul style="list-style-type: none"> • 20-30%- Hydrocarbons, C12 – C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics • <5% - Isotridecanol, ethoxylated 					the effluent treatment plant process		
Kerosene	<ul style="list-style-type: none"> • Flam. Liquid Category 3 • Skin Corrosion/Irritation Category 2 • Aspiration Hazard Category 1 • STOT SE Category 3 • Aquatic Chronic Category 2 • Asp. Tox. 1 	Liquid	82m ³	Yes	Used as a fuel for the 4 No. boilers on site	<ul style="list-style-type: none"> • As above • Stored within bunded tanks 	Low
Diesel	<ul style="list-style-type: none"> • Carcinogenic – sub-category 2 	Liquid	66m ³	Yes	Used as a fleet vehicle fuel and to run the emergency generator	<ul style="list-style-type: none"> • As above • Stored within bunded tanks 	Low
Engine oil (Mercedes-Benz Trucks & Buses Genuine Engine Oil SAE 5W-30 MB)	<ul style="list-style-type: none"> • Asp. Tox 1 • Aquatic Chronic 4 • Eye Irrit. 2 • Skin Sens 1B; 	Liquid	5m ³	Yes	Used in vehicle fleet	<ul style="list-style-type: none"> • As above • Stored in a designated tank located on a bund. 	Low
Diesel exhaust fluid (AdBlue) – 32.2% urea and 67.5% deionised water	Not classified	Liquid	19m ³	Yes urea can lead to eutrophication of water bodies	Used as a diesel fuel additive for vehicle fleet	<ul style="list-style-type: none"> • As above • Stored within a bunded area in the 'Top yard'. 	Low

5.5 Conclusion of Baseline Report Assessment

The site hydrogeology is vulnerable to pollutants released at ground level across the entire site for the following reasons:

- The soil surface is high leaching class with an infiltration value of >70%.
- The site bedrock geology has well connected fractures and puts the Principal aquifer at high vulnerability risk.
- There is an area of superficial aquifer along the southern boundary of the site corresponding to superficial drift deposits of secondary undifferentiated superficial aquifer also classified as high vulnerability.

However, it is apparent that there is no significant possibility for contamination of soil or groundwater due to:

- The relatively low quantities of the hazardous substances used and produced at the installation;
- The robust site engineering and drainage design; and
- The management control measures in place.

Therefore, it is deemed that a baseline report is not required for this installation.

Figures

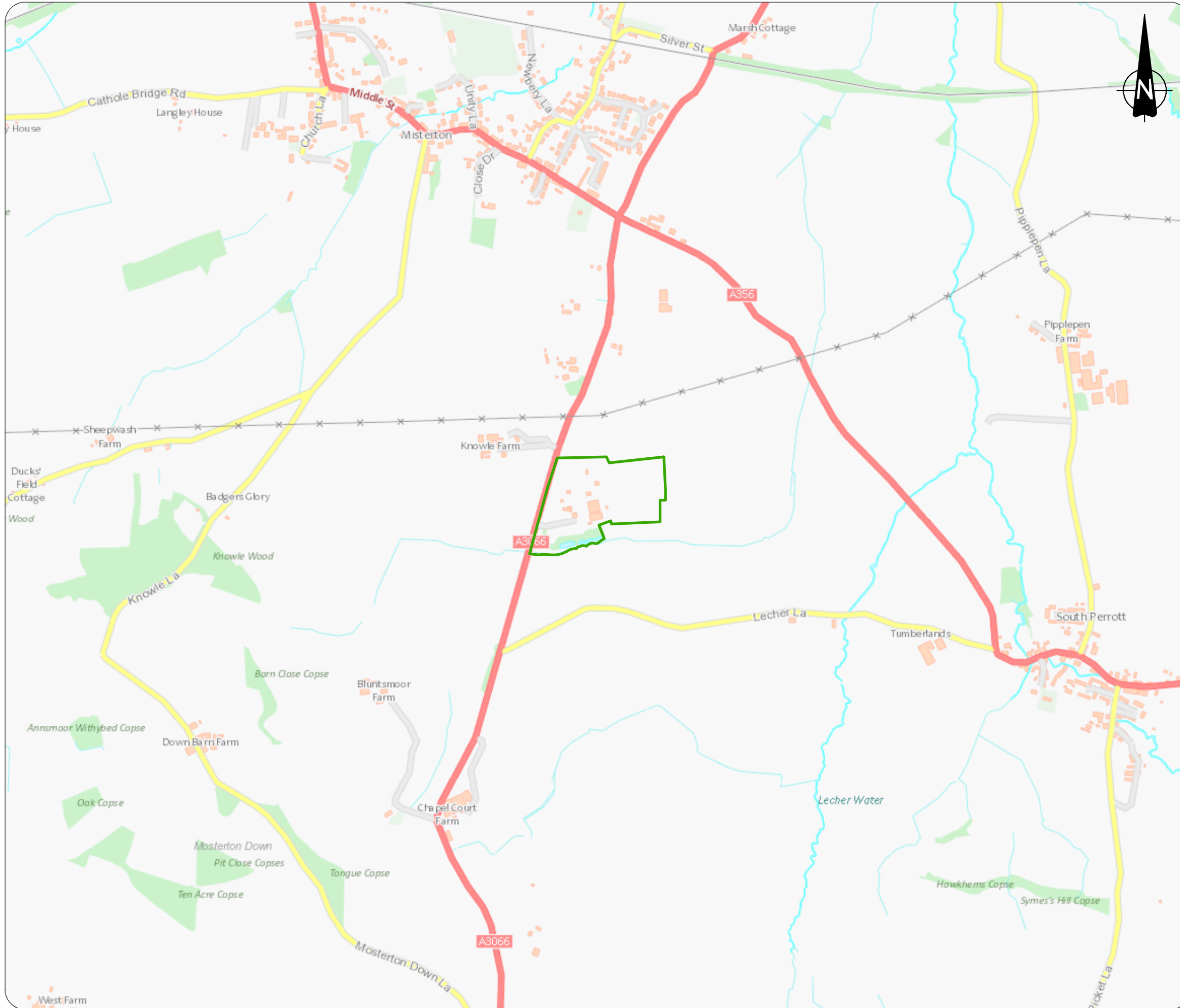
Figure 1: Site Location Plan, Earthcare Technical Limited (ETL886/2024/EPR01)

Figure 2: Permit Boundary & Emission Point Plan, Earthcare Technical Limited (ETL886/2024/EPR02)

Figure 3: Site Layout Plan (ETL886/2024/EPR03)

Figure 4: Human Receptor Plan, Earthcare Technical Limited (ETL886/2024/EPR04)

Figure 5: Site Buildings Layout with Key Code Description, Pattamore's, (10-2024)



REVISIONS					
REV	DATE	DESCRIPTION	DWN	CHK	APP
-	15/11 2024	First Issue	JJ	MF	MF

LEGEND

Permit boundary

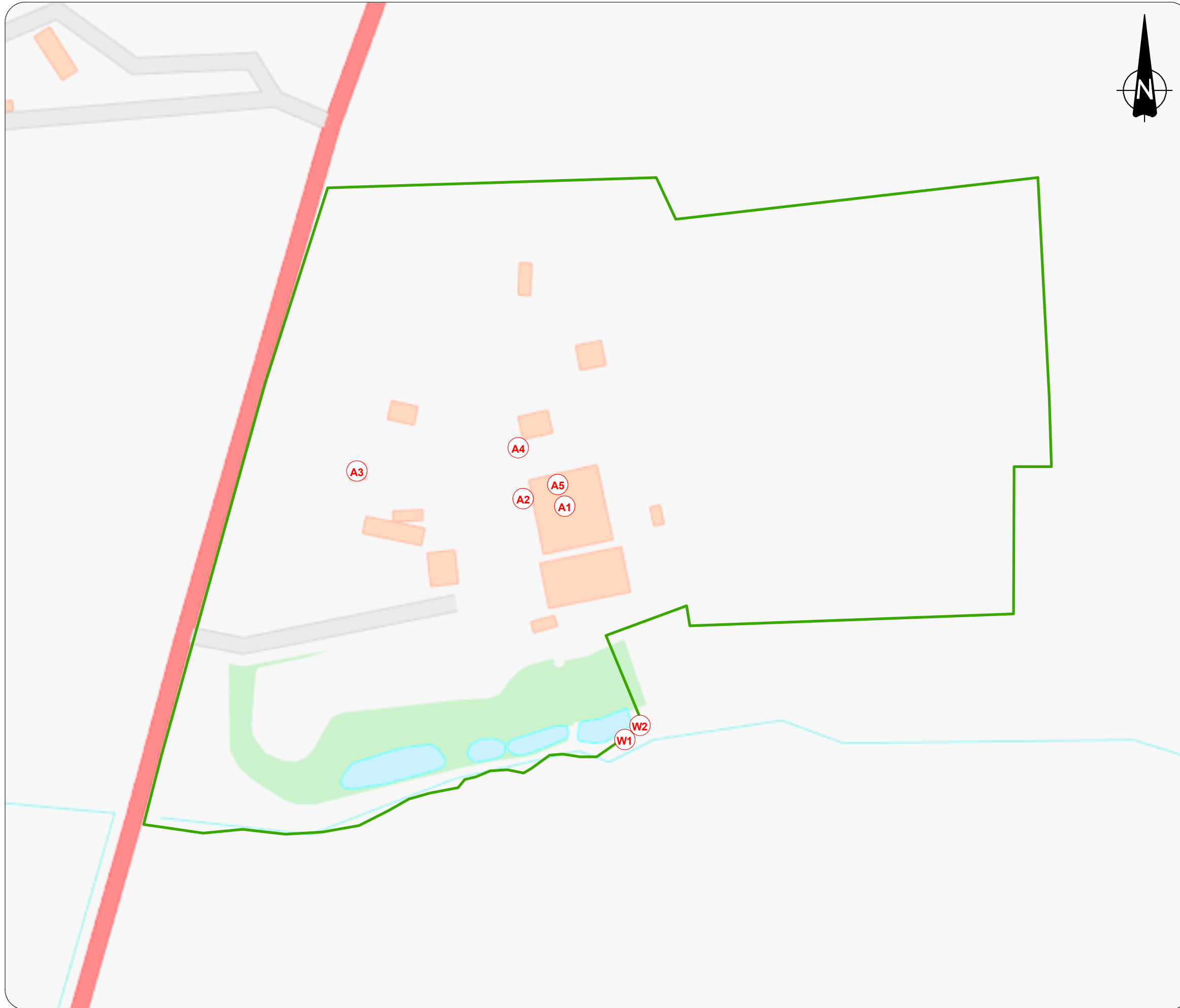
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Client Pattmore's Transport (Crewkerne) Ltd
Project Environmental Permit Application
Title Site Location Plan

Earthcare
TECHNICAL

Manor Farm
Chalton
Waterlooville
Hants PO8 0BG
Tel: 02392 290488
enquiries@earthcaretechnical.co.uk
www.earthcaretechnical.co.uk

Drawn JJ	Checked MF	Approved MF	Revision
Date November 2024	Scale 1:10,000	Sheet Size A3	
Drawing Number ETL886/2024/EPR01		File Reference ETL886/2024.mxd	



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REV	DATE	DESCRIPTION	DWN	CHK	APP
-	15/11 2024	First Issue	JJ	MF	MF

LEGEND

- Permit boundary
- R Emission point

Scale at A3: 1:1,500

Client
Pattmore's Transport (Crewkerne) Ltd

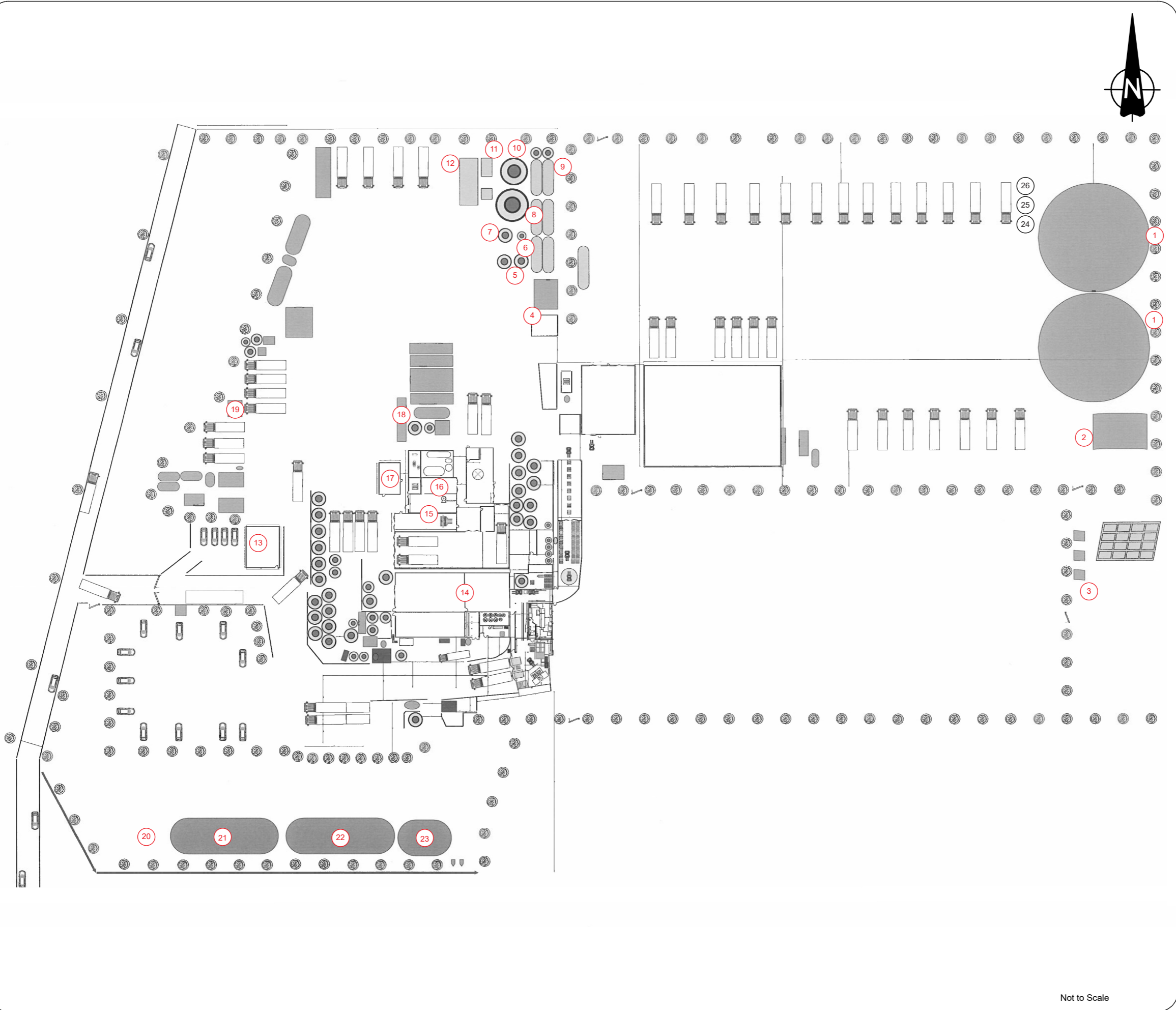
Project
Environmental Permit Application

Title
Emission Point Plan

Earthcare
TECHNICAL

Manor Farm
 Chalton
 Waterlooville
 Hants PO8 0BG
 Tel: 02392 290488
 enquiries@earthcaretechnical.co.uk
 www.earthcaretechnical.co.uk

Drawn JJ	Checked MF	Approved MF	Revision
Date November 2024	Scale 1:1,500	Sheet Size A3	
Drawing Number ETL886/2024/EPR02		File Reference ETL886/2024.mxd	



REVISIONS					
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-	12/11 2024	First Issue	JJ	MF	MF

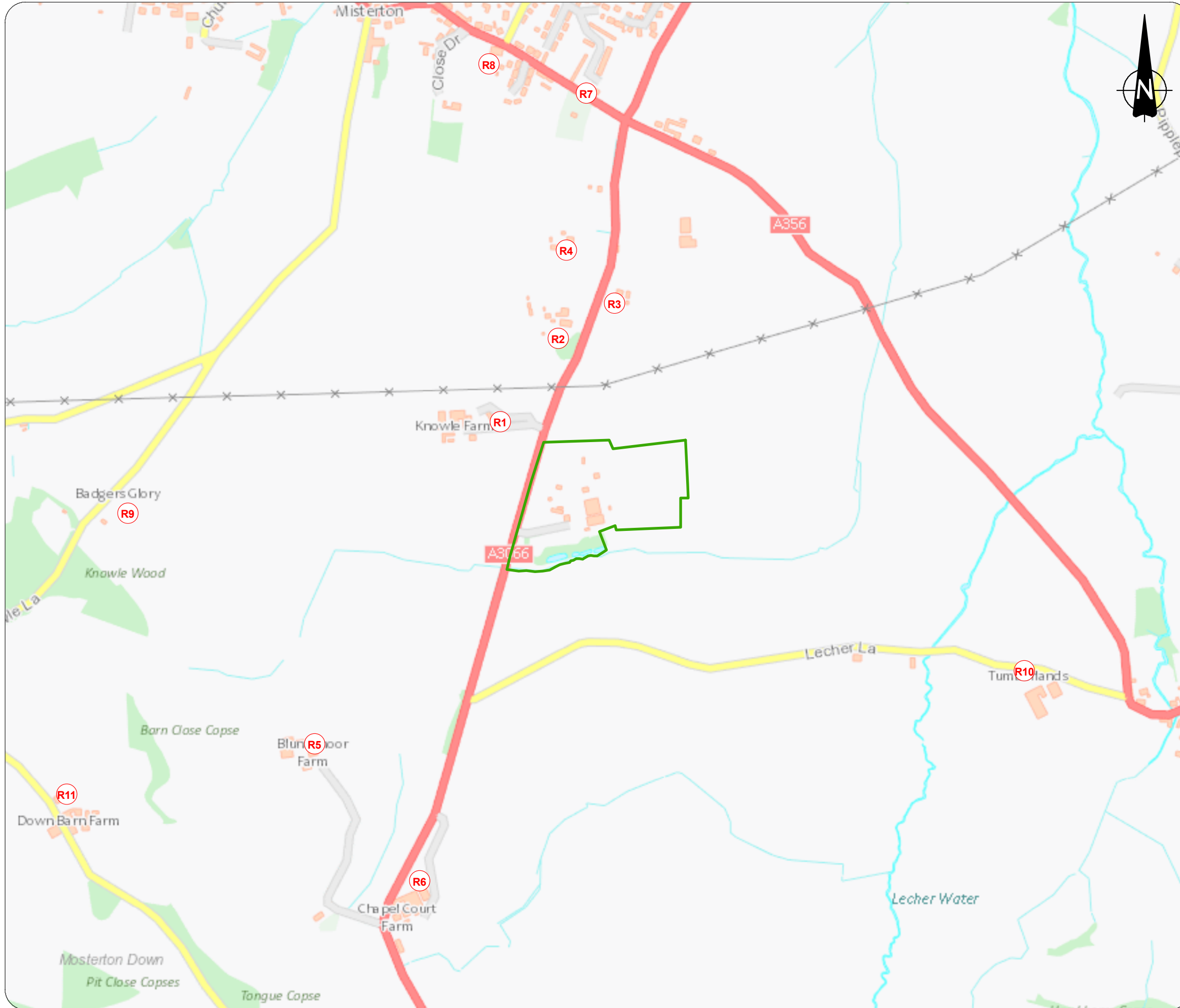
LEGEND	
1	Existing
24	Proposed
1) New Effluent / Water Storage 2) Surface Water Settlement Ponds and Clarifier 3) Dewatering Bag 4) Dissolved Air Flotation (DAF) Plant 5) Sludge Tank 6) Anoxic Tank 7) Membrane Bioreactor (MBR) 8) Activated Sludge and Aerobic Tank 9) 6 No. Back Tanks 10) Balance Tank 11) Biomass (BIO) DAF Plant 12) Screw Press 13) Admin Office 14) Dairy Building 15) Boiler 1 16) Back-up Generator 17) Boiler 2 18) Boiler 4 19) Boiler 3 20) Reed Bed 21) Pond 1 22) Pond 2 23) Pond 3 24) Proposed new location for the Bio DAF 25) Proposed new location for the Screw Press 26) Proposed new location for the Sludge Tank	

Client	Pattemore's Transport (Crewkerne) Ltd
Project	Environmental Permit Application
Title	Site Layout Plan


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 Waterlooville
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Date November 2024	Scale 1:10,000	Sheet Size A3	
ETL886/2024/EPR03			ETL886/2024.ai

Not to Scale



REVISIONS					
REV	DATE	DESCRIPTION	DWN	CHK	APP
-	15/11 2024	First Issue	JJ	MF	MF

LEGEND

- Permit boundary
- R Human receptor point

0 100 200 300 400 m
Scale at A3: 1:7,500

Client Pattmore's Transport (Crewkerne) Ltd
Project Environmental Permit Application
Title Human Receptors Plan

Earthcare
TECHNICAL

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Date November 2024	Scale 1:7,500	Sheet Size A3	
Drawing Number ETL886/2024/EPR04			File Reference ETL886/2024.mxd

Site Buildings Layout with Key Coded Description

This Drawing is not to Scale

Site Building Description and Site Layout with Chemical Location Storage



Appendix A: Enviro Geo Insight Report (July 2024)

Pattermore's, Mosterton Road, Misterton, Crewkerne, Somerset TA18 8NT NGR ST 46007 07193

Order Details

Date: 05/07/2024
Your ref: ETL884/2024
Our Ref: GS-ALY-H8G-KVR-2CF

Site Details

Location: 346011 107185
Area: 5.32 ha
Authority: [Dorset Council](#) ↗, [Somerset Council](#) ↗



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[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	4	2	11	27	-
17 >	1.2 >	Historical tanks >	2	0	0	0	-
18	1.3	Historical energy features	0	0	0	0	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
19 >	2.1 >	Historical industrial land uses >	4	2	11	34	-
21 >	2.2 >	Historical tanks >	2	0	0	0	-
22	2.3	Historical energy features	0	0	0	0	-
22	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
24 >	3.7 >	Waste exemptions >	4	0	11	4	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
27 >	4.1 >	Recent industrial land uses >	13	0	5	-	-
28	4.2	Current or recent petrol stations	0	0	0	0	-
28	4.3	Electricity cables	0	0	0	0	-
29	4.4	Gas pipelines	0	0	0	0	-
29	4.5	Sites determined as Contaminated Land	0	0	0	0	-



29	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-			
29	4.7	Regulated explosive sites	0	0	0	0	-			
29	4.8	Hazardous substance storage/usage	0	0	0	0	-			
30	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-			
30	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-			
30	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-			
30	4.12	Radioactive Substance Authorisations	0	0	0	0	-			
30	>	<u>4.13</u>	>	<u>Licensed Discharges to controlled waters</u>	>	7	2	0	1	-
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	-			
32	4.16	List 1 Dangerous Substances	0	0	0	0	-			
33	4.17	List 2 Dangerous Substances	0	0	0	0	-			
33	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-			
33	4.19	Pollution inventory substances	0	0	0	0	-			
33	4.20	Pollution inventory waste transfers	0	0	0	0	-			
33	4.21	Pollution inventory radioactive waste	0	0	0	0	-			
Page	Section	<u>Hydrogeology</u>	On site	0-50m	50-250m	250-500m	500-2000m			
34	>	<u>5.1</u>	>	<u>Superficial aquifer</u>	>	Identified (within 500m)				
36	>	<u>5.2</u>	>	<u>Bedrock aquifer</u>	>	Identified (within 500m)				
38	>	<u>5.3</u>	>	<u>Groundwater vulnerability</u>	>	Identified (within 50m)				
39	>	<u>5.4</u>	>	<u>Groundwater vulnerability- soluble rock risk</u>	>	Identified (within 0m)				
40	5.5	Groundwater vulnerability- local information	None (within 0m)							
41	>	<u>5.6</u>	>	<u>Groundwater abstractions</u>	>	1	0	2	0	13
45	>	<u>5.7</u>	>	<u>Surface water abstractions</u>	>	0	0	0	0	2
46	>	<u>5.8</u>	>	<u>Potable abstractions</u>	>	0	0	0	0	2
46	5.9	Source Protection Zones	0	0	0	0	-			
47	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-			
Page	Section	<u>Hydrology</u>	On site	0-50m	50-250m	250-500m	500-2000m			
48	>	<u>6.1</u>	>	<u>Water Network (OS MasterMap)</u>	>	6	3	1	-	-



49 >	6.2 >	Surface water features >	1	2	0	-	-
50 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
50 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
50 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
52	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
52	7.2	Historical Flood Events	0	0	0	-	-
52	7.3	Flood Defences	0	0	0	-	-
53	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
53	7.5	Flood Storage Areas	0	0	0	-	-
54	7.6	Flood Zone 2	None (within 50m)				
54	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
55 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
57 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
58	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
58	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
58	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
58	10.4	Special Protection Areas (SPA)	0	0	0	0	0
59	10.5	National Nature Reserves (NNR)	0	0	0	0	0
59	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
59	10.7	Designated Ancient Woodland	0	0	0	0	0
59	10.8	Biosphere Reserves	0	0	0	0	0
60	10.9	Forest Parks	0	0	0	0	0
60	10.10	Marine Conservation Zones	0	0	0	0	0
60	10.11	Green Belt	0	0	0	0	0
60	10.12	Proposed Ramsar sites	0	0	0	0	0



60	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
61	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
61	10.15	Nitrate Sensitive Areas	0	0	0	0	0
61	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
62 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
63	10.18	SSSI Units	0	0	0	0	0

Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
64	11.1	World Heritage Sites	0	0	0	-	-
65 >	11.2 >	<u>Area of Outstanding Natural Beauty ></u>	1	0	0	-	-
65	11.3	National Parks	0	0	0	-	-
65	11.4	Listed Buildings	0	0	0	-	-
66	11.5	Conservation Areas	0	0	0	-	-
66	11.6	Scheduled Ancient Monuments	0	0	0	-	-
66	11.7	Registered Parks and Gardens	0	0	0	-	-

Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
67 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 3 (within 250m)				
68	12.2	Open Access Land	0	0	0	-	-
68	12.3	Tree Felling Licences	0	0	0	-	-
68	12.4	Environmental Stewardship Schemes	0	0	0	-	-
68 >	12.5 >	<u>Countryside Stewardship Schemes ></u>	1	0	1	-	-

Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
70 >	13.1 >	<u>Priority Habitat Inventory ></u>	0	0	6	-	-
71	13.2	Habitat Networks	0	0	0	-	-
71	13.3	Open Mosaic Habitat	0	0	0	-	-
71	13.4	Limestone Pavement Orders	0	0	0	-	-

Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
72 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
73	14.2	Artificial and made ground (10k)	0	0	0	0	-
74	14.3	Superficial geology (10k)	0	0	0	0	-

74	14.4	Landslip (10k)	0	0	0	0	-
75	14.5	Bedrock geology (10k)	0	0	0	0	-
75	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
76 >	15.1 >	50k Availability >	Identified (within 500m)				
77	15.2	Artificial and made ground (50k)	0	0	0	0	-
77	15.3	Artificial ground permeability (50k)	0	0	-	-	-
78 >	15.4 >	Superficial geology (50k) >	1	0	0	1	-
79 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
79 >	15.6 >	Landslip (50k) >	0	0	0	1	-
79	15.7	Landslip permeability (50k)	None (within 50m)				
80 >	15.8 >	Bedrock geology (50k) >	2	0	2	6	-
81 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
81 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	1	2	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	16.1 >	BGS Boreholes >	1	0	0	-	-
Page	Section	Natural ground subsidence >					
83 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
84 >	17.2 >	Running sands >	Low (within 50m)				
86 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
88 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
89 >	17.5 >	Landslides >	Low (within 50m)				
91 >	17.6 >	Ground dissolution of soluble rocks >	Very low (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	18.1 >	BritPits >	0	0	1	4	-
94 >	18.2 >	Surface ground workings >	3	2	5	-	-
95	18.3	Underground workings	0	0	0	0	0
95	18.4	Underground mining extents	0	0	0	0	-
95 >	18.5 >	Historical Mineral Planning Areas >	0	0	0	1	-



96	18.6	Non-coal mining	0	0	0	0	0
96	18.7	JPB mining areas	None (within 0m)				
96	18.8	The Coal Authority non-coal mining	0	0	0	0	-
96	18.9	Researched mining	0	0	0	0	-
97	18.10	Mining record office plans	0	0	0	0	-
97	18.11	BGS mine plans	0	0	0	0	-
97	18.12	Coal mining	None (within 0m)				
97	18.13	Brine areas	None (within 0m)				
97	18.14	Gypsum areas	None (within 0m)				
98	18.15	Tin mining	None (within 0m)				
98	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
99	19.1	Natural cavities	0	0	0	0	-
99	19.2	Mining cavities	0	0	0	0	0
99	19.3	Reported recent incidents	0	0	0	0	-
99	19.4	Historical incidents	0	0	0	0	-
100	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
101 >	20.1 >	Radon >	Between 5% and 10% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	21.1 >	BGS Estimated Background Soil Chemistry >	6	2	-	-	-
104	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
104	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
105	22.1	Underground railways (London)	0	0	0	-	-
105	22.2	Underground railways (Non-London)	0	0	0	-	-
105	22.3	Railway tunnels	0	0	0	-	-
105	22.4	Historical railway and tunnel features	0	0	0	-	-
105	22.5	Royal Mail tunnels	0	0	0	-	-

106	22.6	Historical railways	0	0	0	-	-
106	22.7	Railways	0	0	0	-	-
106	22.8	Crossrail 1	0	0	0	0	-
106	22.9	Crossrail 2	0	0	0	0	-
106	22.10	HS2	0	0	0	0	-

Recent aerial photograph

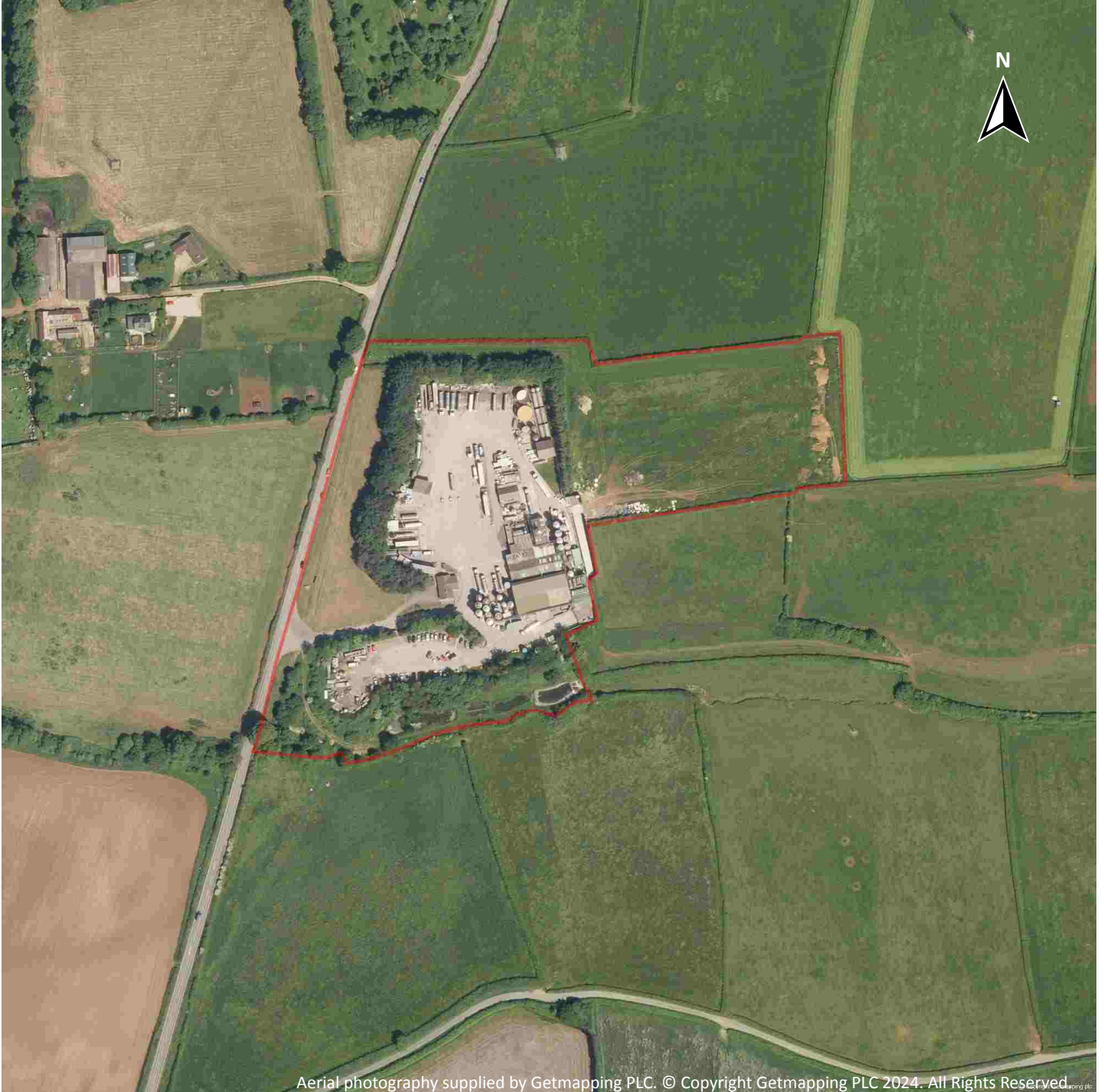


Capture Date: 09/04/2020

Site Area: 5.32ha



Recent site history - 2018 aerial photograph



Capture Date: 03/06/2018

Site Area: 5.32ha



Recent site history - 2014 aerial photograph

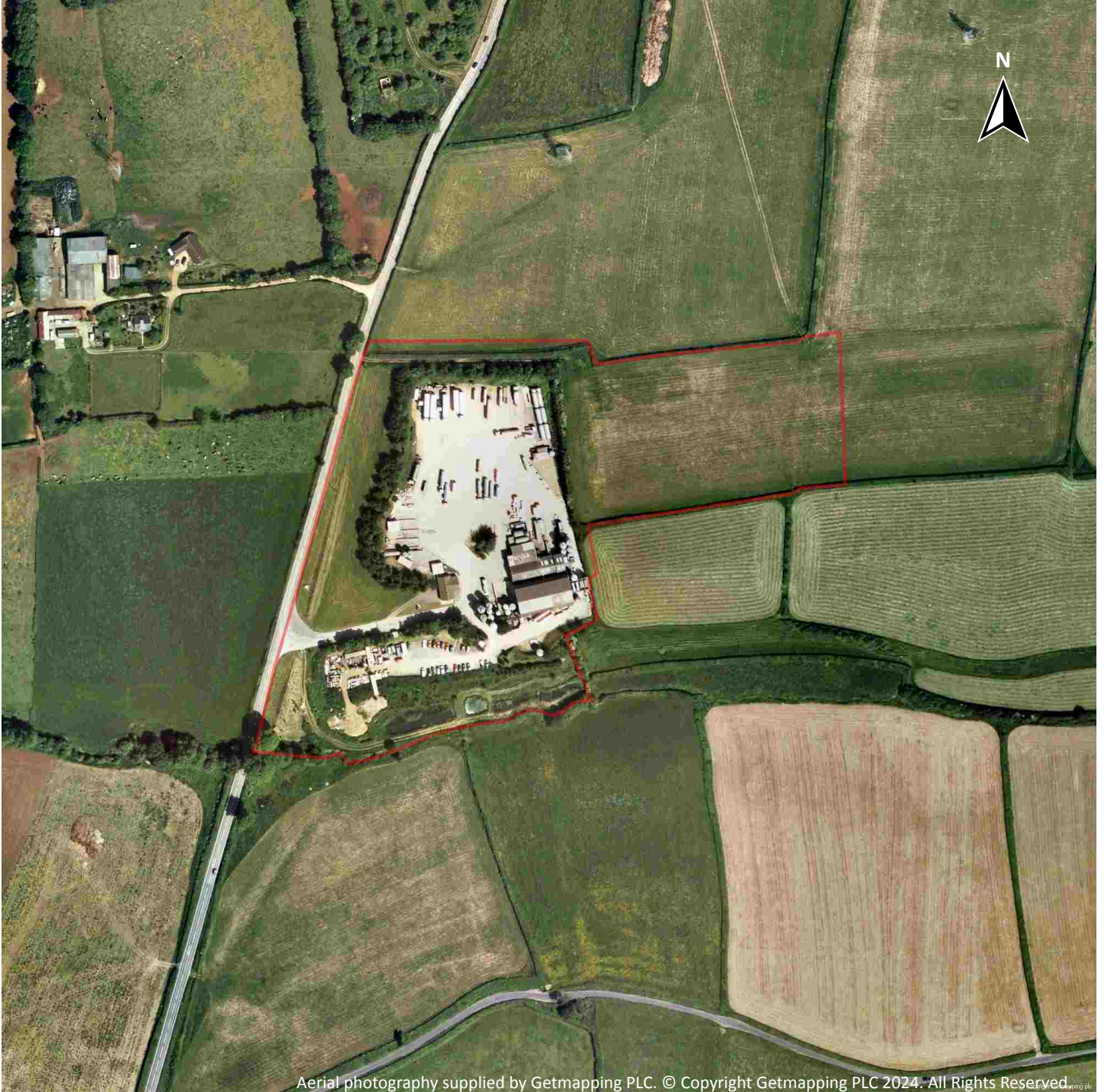


Capture Date: 22/07/2014

Site Area: 5.32ha



Recent site history - 2005 aerial photograph



Capture Date: 11/06/2005

Site Area: 5.32ha



Recent site history - 1999 aerial photograph

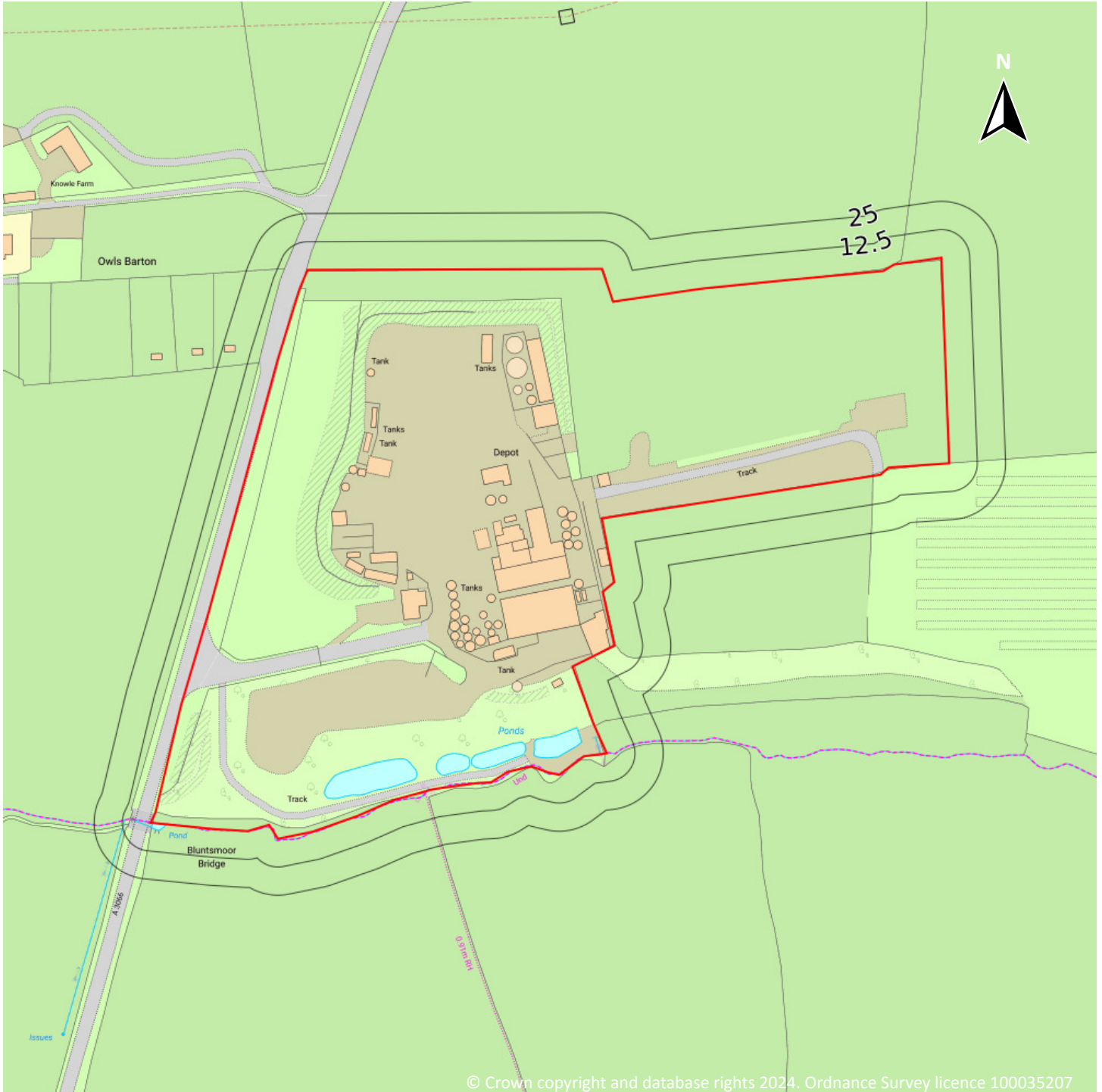


Capture Date: 24/07/1999

Site Area: 5.32ha



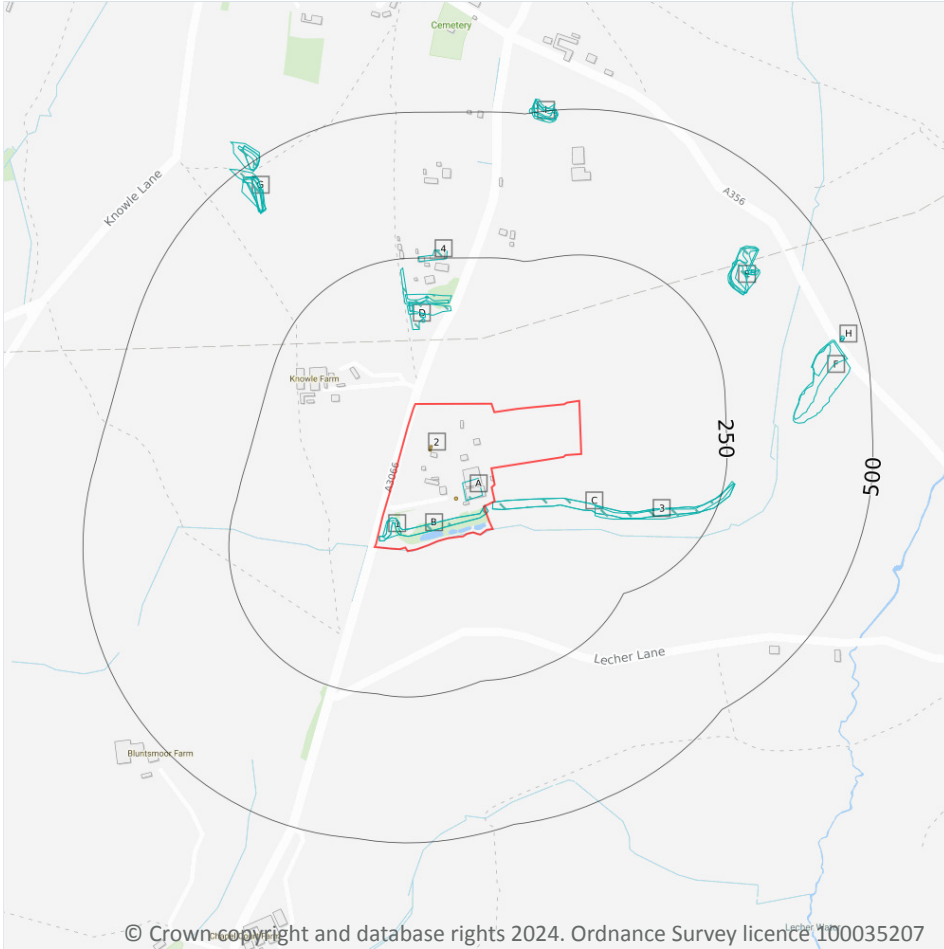
OS MasterMap site plan



Site Area: 5.32ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m **44**

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Pit	1957	1191696

ID	Location	Land use	Dates present	Group ID
A	On site	Abattoir	1980	1188275
B	On site	Unspecified Ground Workings	1901	1210820
B	On site	Unspecified Ground Workings	1938	1248407
C	0m SE	Unspecified Ground Workings	1901	1243635
C	0m SE	Unspecified Ground Workings	1938	1292483
3	92m E	Unspecified Ground Workings	1886	1221530
D	128m N	Unspecified Quarry	1957	1252385
D	140m N	Disused Lime Kiln	1980	1185440
D	148m N	Lime Kiln	1930	1194941
D	152m N	Unspecified Quarry	1901	1271385
D	154m N	Unspecified Kiln	1957	1202189
D	159m N	Lime Kiln	1938	1194935
D	171m N	Unspecified Quarry	1891	1287411
D	173m N	Unspecified Quarry	1886	1289314
D	180m N	Lime Kiln	1886	1194936
4	244m N	Unspecified Works	1980	1195858
E	327m NE	Unspecified Quarry	1886 - 1891	1288112
E	327m NE	Unspecified Quarry	1957	1266971
E	330m NE	Unspecified Quarry	1901	1283606
E	332m NE	Unspecified Quarry	1938	1285734
E	364m NE	Lime Kiln	1886	1194938
F	365m E	Unspecified Quarry	1957	1255530
E	365m NE	Unspecified Old Kiln	1957	1209362
F	367m E	Unspecified Quarry	1930 - 1938	1273179
E	369m NE	Old Lime Kiln	1930 - 1938	1272471
F	402m E	Unspecified Quarry	1901	1238376
G	420m NW	Unspecified Quarry	1930	1278791
G	420m NW	Unspecified Ground Workings	1957	1183663



ID	Location	Land use	Dates present	Group ID
G	421m NW	Unspecified Quarry	1901	1290842
G	421m NW	Unspecified Quarry	1938	1291720
G	421m NW	Unspecified Quarry	1886	1229692
G	422m NW	Unspecified Quarry	1891	1235780
H	460m E	Unspecified Old Kiln	1957	1209364
H	461m E	Old Lime Kiln	1930 - 1938	1257079
I	480m N	Unspecified Quarry	1957	1251965
I	483m N	Unspecified Quarry	1938	1224580
I	483m N	Unspecified Quarry	1901	1247038
I	486m N	Unspecified Ground Workings	1930	1272770
G	486m NW	Unspecified Pit	1901	1264467
G	486m NW	Unspecified Pit	1938	1266527
G	487m NW	Unspecified Pit	1930	1271123
G	488m NW	Unspecified Ground Workings	1957	1183662
I	489m N	Unspecified Quarry	1886 - 1891	1293465

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

2

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
2	On site	Unspecified Tank	1992	185332
A	On site	Unspecified Tank	1992	185333

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

0

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'.

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

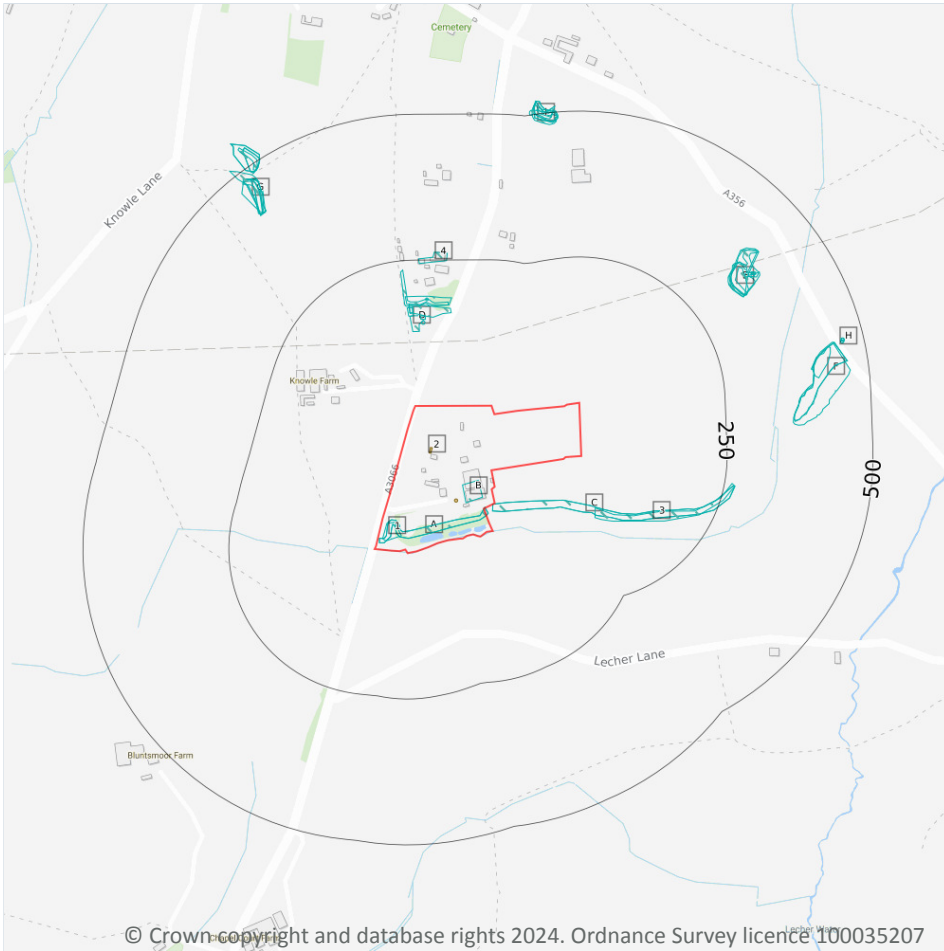
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

51

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

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

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Pit	1957	1191696
A	On site	Unspecified Ground Workings	1938	1248407
A	On site	Unspecified Ground Workings	1901	1210820

ID	Location	Land Use	Date	Group ID
B	On site	Abattoir	1980	1188275
C	0m SE	Unspecified Ground Workings	1938	1292483
C	0m SE	Unspecified Ground Workings	1901	1243635
3	92m E	Unspecified Ground Workings	1886	1221530
D	128m N	Unspecified Quarry	1957	1252385
D	140m N	Disused Lime Kiln	1980	1185440
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D	152m N	Unspecified Quarry	1901	1271385
D	154m N	Unspecified Kiln	1957	1202189
D	159m N	Lime Kiln	1938	1194935
D	171m N	Unspecified Quarry	1891	1287411
D	173m N	Unspecified Quarry	1886	1289314
D	180m N	Lime Kiln	1886	1194936
4	244m N	Unspecified Works	1980	1195858
E	327m NE	Unspecified Quarry	1891	1288112
E	327m NE	Unspecified Quarry	1957	1266971
E	330m NE	Unspecified Quarry	1901	1283606
E	331m NE	Unspecified Quarry	1886	1288112
E	332m NE	Unspecified Quarry	1938	1285734
E	364m NE	Lime Kiln	1886	1194938
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F	367m E	Unspecified Quarry	1938	1273179
F	368m E	Unspecified Quarry	1930	1273179
E	369m NE	Old Lime Kiln	1938	1272471
E	369m NE	Old Lime Kiln	1930	1272471
F	402m E	Unspecified Quarry	1901	1238376
G	420m NW	Unspecified Quarry	1930	1278791



ID	Location	Land Use	Date	Group ID
G	420m NW	Unspecified Ground Workings	1957	1183663
G	421m NW	Unspecified Quarry	1938	1291720
G	421m NW	Unspecified Quarry	1901	1290842
G	421m NW	Unspecified Quarry	1886	1229692
G	422m NW	Unspecified Quarry	1891	1235780
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I	483m N	Unspecified Quarry	1938	1224580
I	483m N	Unspecified Quarry	1901	1247038
I	486m N	Unspecified Ground Workings	1930	1272770
I	486m N	Unspecified Ground Workings	1930	1272770
G	486m NW	Unspecified Pit	1938	1266527
G	486m NW	Unspecified Pit	1901	1264467
G	487m NW	Unspecified Pit	1930	1271123
G	487m NW	Unspecified Pit	1930	1271123
G	488m NW	Unspecified Ground Workings	1957	1183662
I	489m N	Unspecified Quarry	1891	1293465
I	492m N	Unspecified Quarry	1886	1293465

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	2
----------------------------	----------

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 19 >](#)



ID	Location	Land Use	Date	Group ID
2	On site	Unspecified Tank	1992	185332
B	On site	Unspecified Tank	1992	185333

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m **0**

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'.

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m **0**

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

This data is sourced from Ordnance Survey / Groundsure.

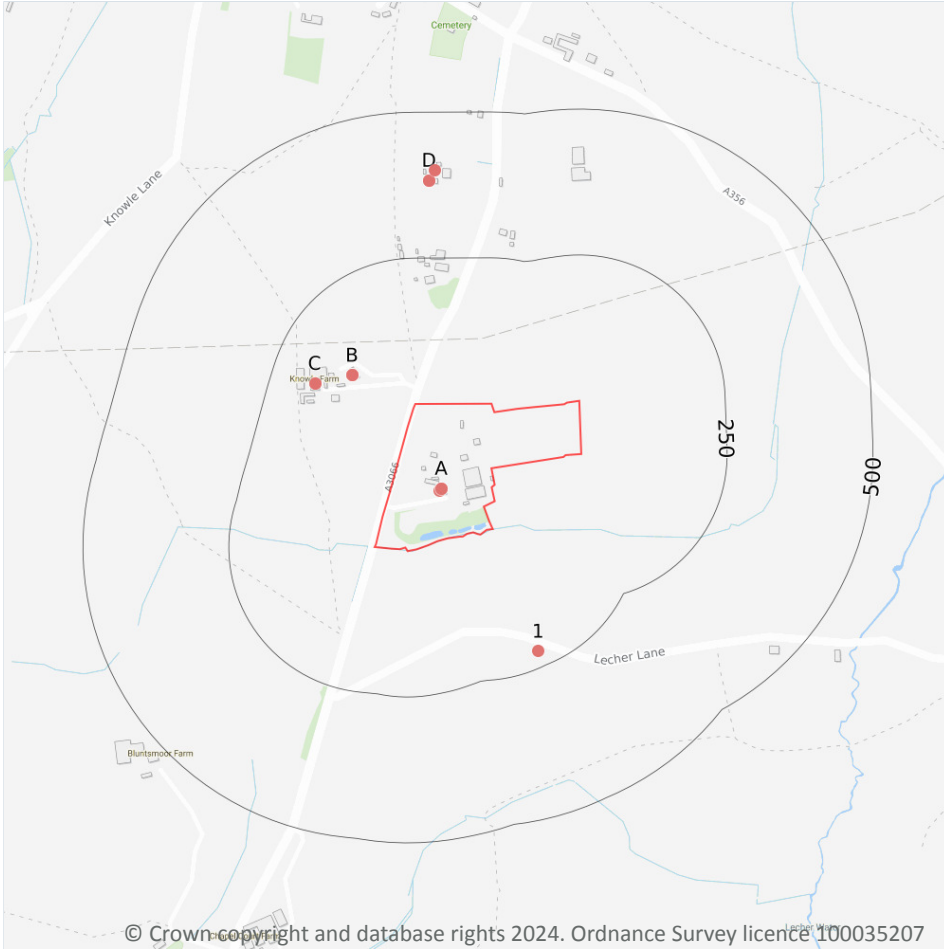
2.5 Historical garages

Records within 500m **0**

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

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

0

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.

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

3.5 Historical waste sites

Records within 500m

0

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

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

3.6 Licensed waste sites

Records within 500m

0

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

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

3.7 Waste exemptions

Records within 500m

19

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

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

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX378383	Using waste exemption	Not on a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
A	On site	Pattermores Dairy Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/HE5446X E/A001	Using waste exemption	Non-agricultural waste only	Use of sludge for the purposes of re-seeding a waste water treatment plant
A	On site	Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX249565	Using waste exemption	Not on a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
A	On site	Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX105705	Using waste exemption	Not on a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
B	119m NW	Knowle Farm Mosterton Road Crewkerne Somerset Ta18 8nt	EPR/ZH0779V Q/A001	Using waste exemption	Agricultural waste only	Use of mulch
C	174m NW	Knowle Farm, Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX030517	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

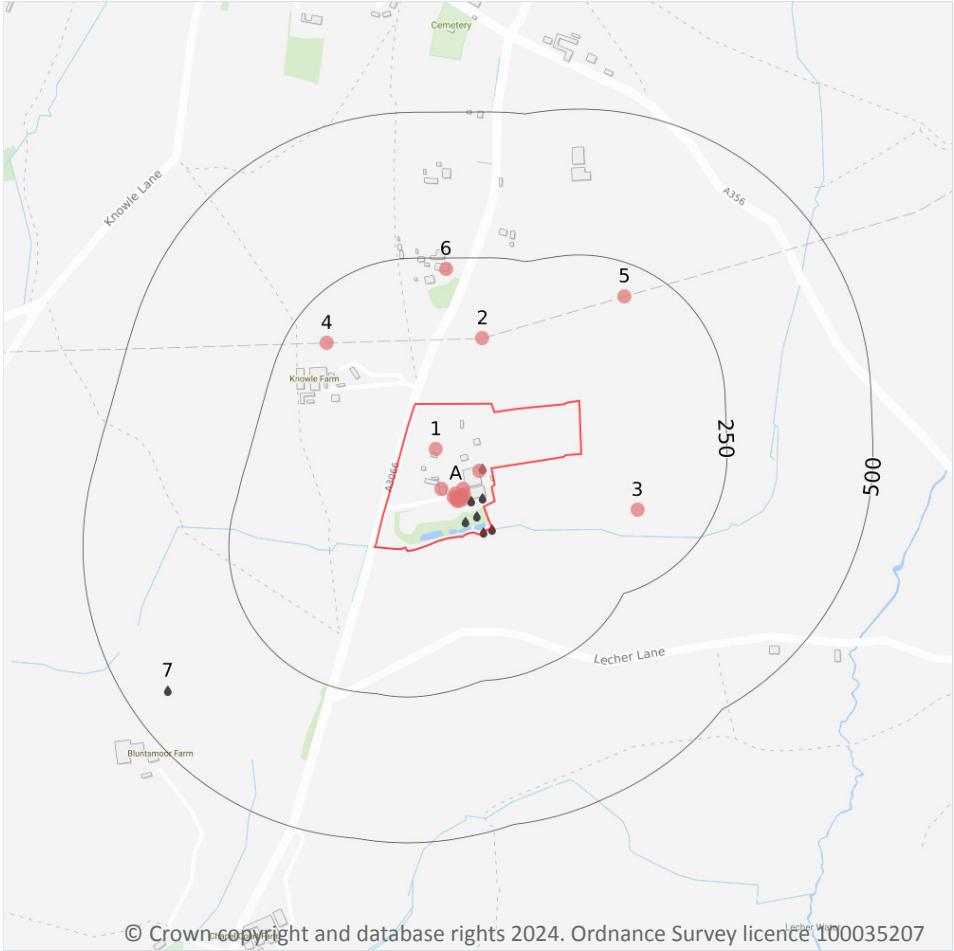


ID	Location	Site	Reference	Category	Sub-Category	Description
C	174m NW	Knowle Farm, Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX030486	Disposing of waste exemption	On a farm	Burning waste in the open
1	224m S	-	WEX231074	Storing waste exemption	On a farm	Storage of sludge
D	382m N	Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX362609	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts
D	382m N	Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX087115	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts
D	382m N	Mosterton Road, Misterton, Crewkerne, Ta18 8nt	WEX232905	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts
D	399m N	Rvs Mosterton Road Somerset Ta18 8nt	EPR/CF0708EA /A001	Using waste exemption	Non-agricultural waste only	Use of depolluted end-of-life vehicles for vehicle parts

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 Discharges to controlled waters

4.1 Recent industrial land uses

Records within 250m **18**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 27](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tank	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Tanks	Somerset, TA18	Tanks (Generic)	Industrial Features
A	On site	Pattermores	-, Mosterton Road, Misterton, Crewkerne, Somerset, TA18 8NT	Distribution and Haulage	Transport, Storage and Delivery
2	112m N	Pylon	Somerset, TA18	Electrical Features	Infrastructure and Facilities
3	136m E	Solar Farm	Somerset, TA18	Energy Production	Industrial Features
4	184m NW	Pylon	Somerset, TA18	Electrical Features	Infrastructure and Facilities
5	195m NE	Pylon	Somerset, TA18	Electrical Features	Infrastructure and Facilities
6	231m N	Orchard Vehicle Solutions	Orchard House, Mosterton Road, Misterton, Crewkerne, Somerset, TA18 8NT	Secondhand Vehicles	Motoring

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.



4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

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

0

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.

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

10

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 27 >](#)



ID	Location	Address	Details	
A	On site	PATTEMORE TRANSPORT (CREWKERNE) LTD, MASTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: TRADE DISCHARGES - BOILER BLOWDOWN EFFLUENT Permit Number: 070435 Permit Version: 1 Receiving Water: DISCHARGE TO SOAKAWAY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: - Effective Date: 01/02/1988 Revocation Date: 19/12/2012
A	On site	PATTEMORE TRANSPORT (CREWKERNE) LTD, MASTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: TRADE DISCHARGES - BOILER BLOWDOWN EFFLUENT Permit Number: 070435 Permit Version: 2 Receiving Water: DISCHARGE TO SOAKAWAY	Status: SURRENDERED UNDER EPR 2010 Issue date: 20/12/2012 Effective Date: 20/12/2012 Revocation Date: 09/11/2016
A	On site	PATTEMORE TRANSPORT (CREWKERNE) LTD, MASTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: 070435 Permit Version: 2 Receiving Water: DISCHARGE TO SOAKAWAY	Status: SURRENDERED UNDER EPR 2010 Issue date: 20/12/2012 Effective Date: 20/12/2012 Revocation Date: 09/11/2016
A	On site	PATTEMORE TRANSPORT (CREWKERNE) LTD, MASTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: TRADE DISCHARGES - BOILER BLOWDOWN EFFLUENT Permit Number: 070435 Permit Version: 2 Receiving Water: DISCHARGE TO SOAKAWAY	Status: SURRENDERED UNDER EPR 2010 Issue date: 20/12/2012 Effective Date: 20/12/2012 Revocation Date: 09/11/2016
A	On site	PATTEMORE TRANSPORT (CREWKERNE) LTD, MASTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: SEWAGE & TRADE COMBINED - UNSPECIFIED Permit Number: 072379 Permit Version: 1 Receiving Water: TRIB OF RIVER PARRETT	Status: SURRENDERED UNDER EPR 2010 Issue date: 24/11/1995 Effective Date: 24/11/1995 Revocation Date: 11/04/2016
A	On site	PATTEMORE TRANSPORT (CREWKERNE) LTD, MASTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: 070435 Permit Version: 1 Receiving Water: DISCHARGE TO SOAKAWAY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: - Effective Date: 01/02/1988 Revocation Date: 19/12/2012
A	On site	PATTEMORE TRANSPORT (CREWKERNE) LTD, MASTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 101992 Permit Version: 1 Receiving Water: TRIB OF THE RIVER PARRETT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/08/2003 Effective Date: 01/05/2003 Revocation Date: -



ID	Location	Address	Details	
A	On site	PATTEMORES TRANSPORT (CREWKERNE), MOSTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRZB3799NK Permit Version: 1 Receiving Water: A TRIBUTARY OF RIVER PARRETT	Status: NEW ISSUED UNDER EPR 2010 Issue date: 06/01/2014 Effective Date: 30/09/2014 Revocation Date: -
A	On site	PATTEMORES TRANSPORT (CREWKERNE), MOSTERTON ROAD, MISTERTON, CREWKERNE, SOMERSET, TA18 8NT	Effluent Type: SEWAGE & TRADE COMBINED - UNSPECIFIED Permit Number: EPRZB3799NK Permit Version: 1 Receiving Water: A TRIBUTARY OF RIVER PARRETT	Status: NEW ISSUED UNDER EPR 2010 Issue date: 06/01/2014 Effective Date: 30/09/2014 Revocation Date: -
7	432m SW	BLUNTSMOOR FARM(BEAMINSTER), MOSTERTON, BEAMINSTER, DORSET, DT8 3HP	Effluent Type: AGRICULTURE - ARABLE FARMING Permit Number: 080869 Permit Version: 1 Receiving Water: -	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: - Effective Date: 24/07/1969 Revocation Date: 06/05/1994

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

0

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

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

4.19 Pollution inventory substances

Records within 500m

0

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

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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

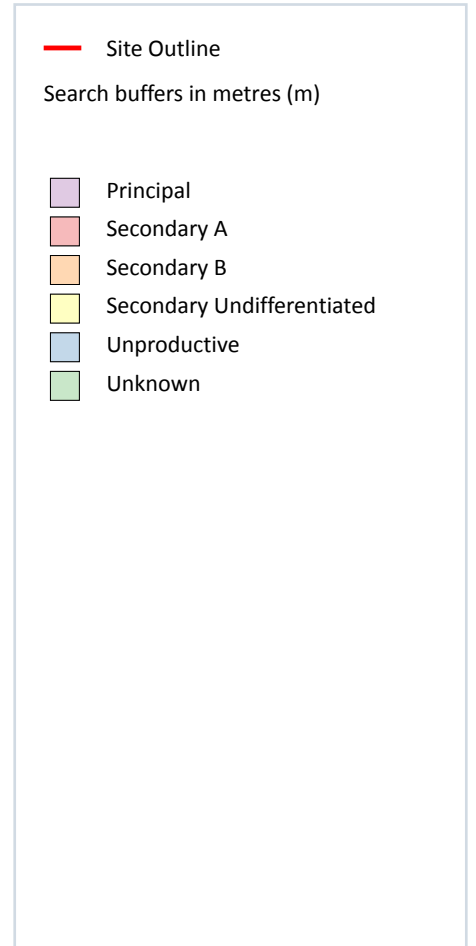
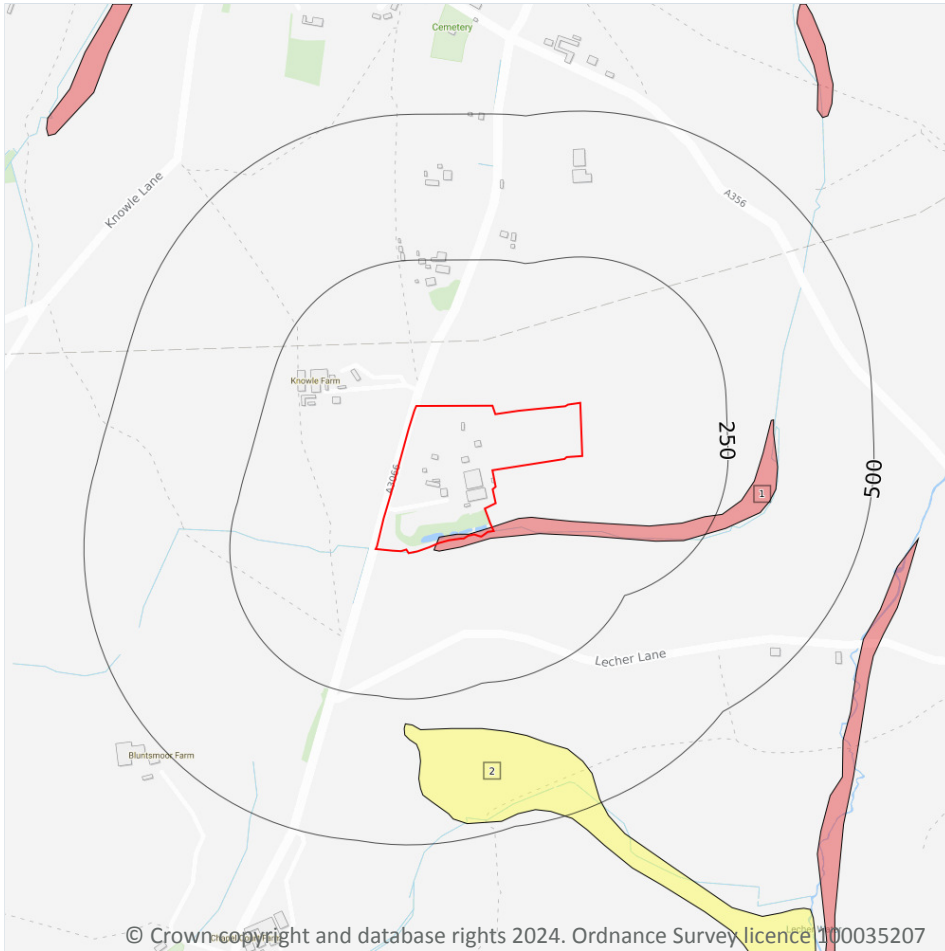
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

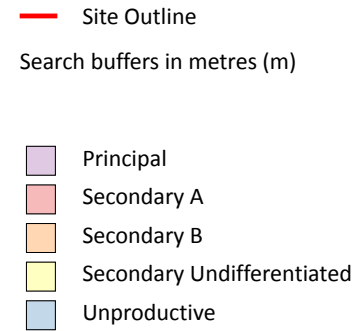
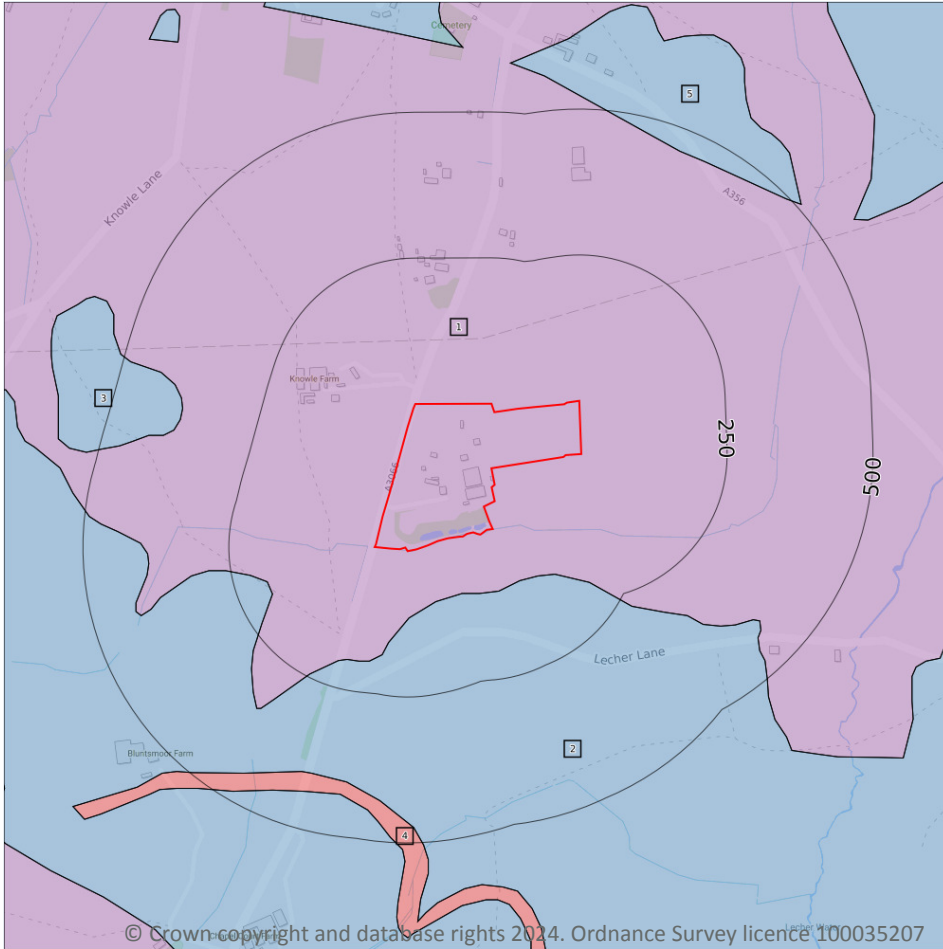
Features are displayed on the Hydrogeology map on [page 34 >](#)

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	293m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

5

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 36](#) >

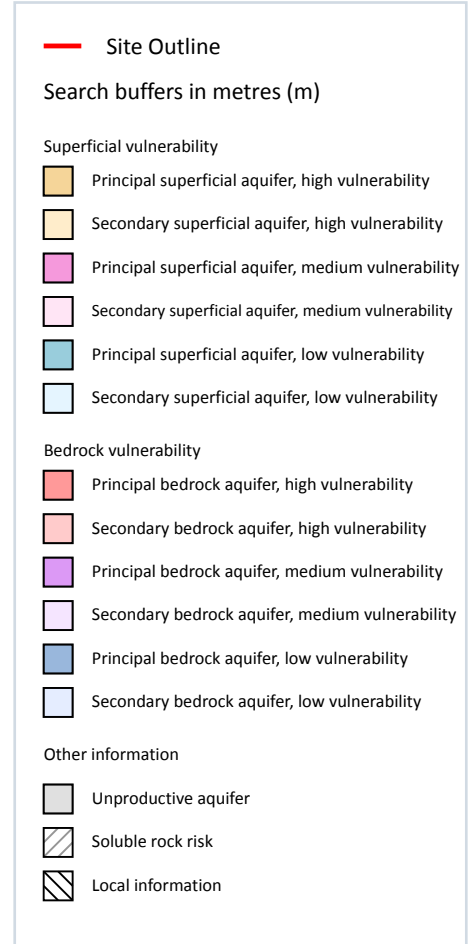
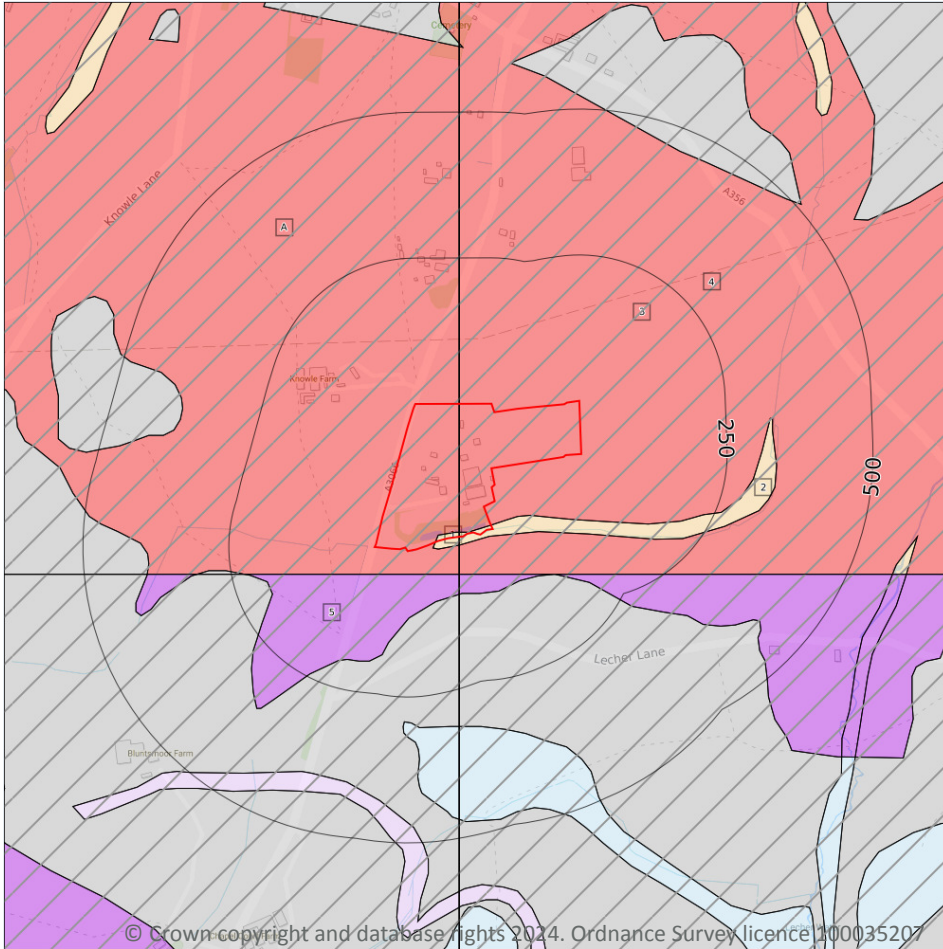
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	96m S	Unproductive	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	379m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	402m SW	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
5	461m NE	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.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

5

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 38](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
A	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
5	39m SW	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

2

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



ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
4	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	1.0%
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	66.0%

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

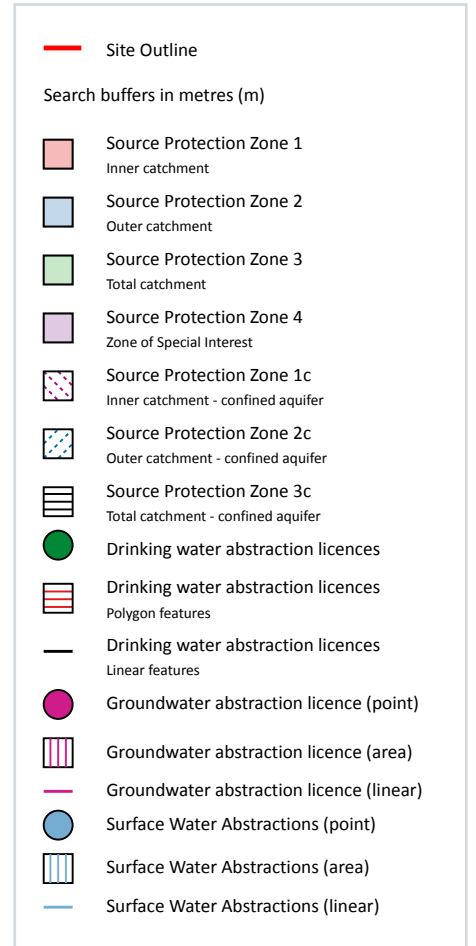
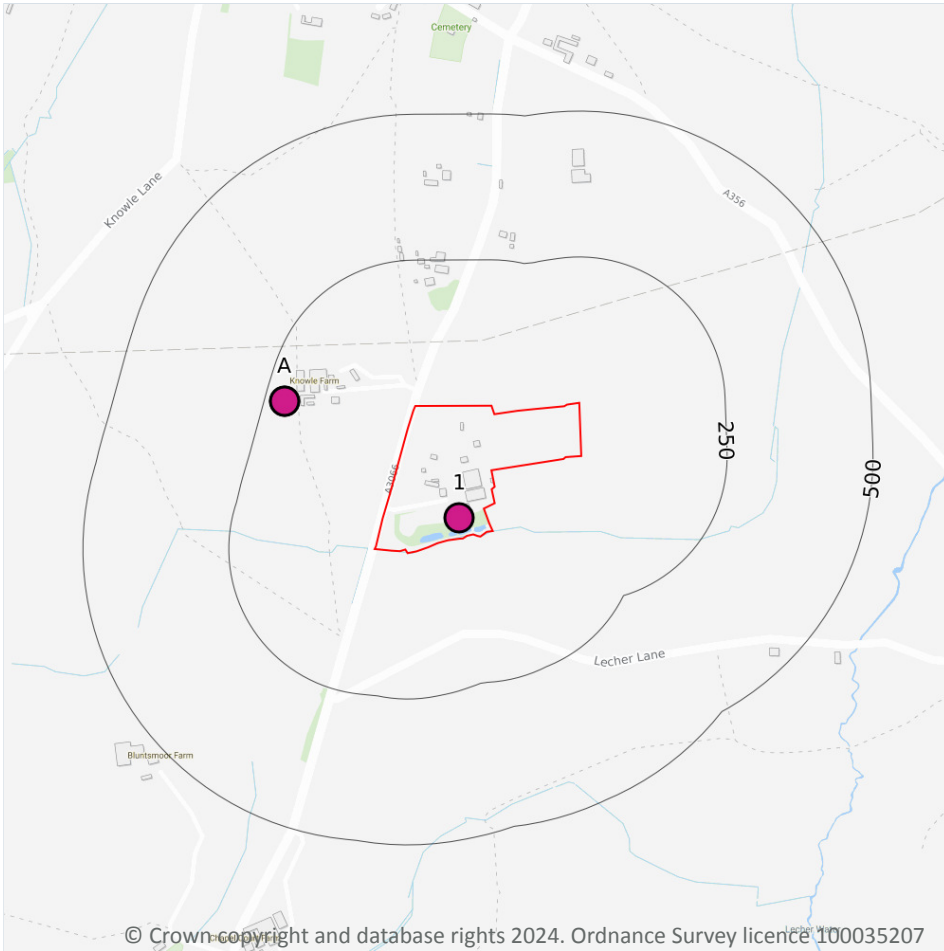
5.5 Groundwater vulnerability- local information

Records on site	0
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

16

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 41](#) >

ID	Location	Details	
1	On site	Status: Active Licence No: 16/52/003/G/166 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - Fresh Point: MISTERTON Data Type: Point Name: Pattermores Transport (Crewkerne) Ltd Easting: 346000 Northing: 107100	Annual Volume (m³): 16500 Max Daily Volume (m³): 55 Original Application No: 16/52/003/G/166 Original Start Date: 01/06/1975 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
A	216m W	Status: Historical Licence No: 16/52/003/G/126 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "BOREHOLE/SPRING, MISTERTON" Data Type: Point Name: Willmington Easting: 345700 Northing: 107300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1966 Version End Date: -
A	216m W	Status: Historical Licence No: 16/52/003/G/126 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BOREHOLE/SPRING, MISTERTON Data Type: Point Name: Willmington Easting: 345700 Northing: 107300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1966 Version End Date: -
-	1258m E	Status: Historical Licence No: 16/52/003/G/120 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "BOREHOLE, SOUTH PERROTT" Data Type: Point Name: Bucke Easting: 347400 Northing: 106800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/01/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1967 Version End Date: -
-	1258m E	Status: Historical Licence No: 16/52/003/G/120 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BOREHOLE, SOUTH PERROTT Data Type: Point Name: Bucke Easting: 347400 Northing: 106800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/01/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1967 Version End Date: -



ID	Location	Details	
-	1329m NW	Status: Historical Licence No: 16/52/003/G/043 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "WELL/SPRING, MISTERTON" Data Type: Point Name: Symes Easting: 344800 Northing: 108000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/03/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1967 Version End Date: -
-	1329m NW	Status: Historical Licence No: 16/52/003/G/043 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WELL/SPRING, MISTERTON Data Type: Point Name: Symes Easting: 344800 Northing: 108000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/03/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1967 Version End Date: -
-	1467m N	Status: Historical Licence No: 16/52/003/G/085 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CATCHPIT AT MISTERTON Data Type: Point Name: White Easting: 346030 Northing: 108760	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 101 Version Start Date: 28/01/2000 Version End Date: -
-	1469m S	Status: Historical Licence No: 14/45/000/0084 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CHURCHILL FARM - WELL Data Type: Point Name: Boundy Easting: 345600 Northing: 105600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 06/05/1969 Version End Date: -
-	1788m N	Status: Active Licence No: 16/52/003/G/206 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HELLINGS FARM BOREHOLE Data Type: Point Name: Bowditch Easting: 345430 Northing: 109010	Annual Volume (m ³): 12000 Max Daily Volume (m ³): 33 Original Application No: N159 Original Start Date: 14/04/2000 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	1942m S	Status: Historical Licence No: 14/45/000/0369 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BROADOAK FARM - WELL Data Type: Point Name: Boundy Easting: 345800 Northing: 105100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/07/1970 Version End Date: -
-	1961m W	Status: Active Licence No: 14/45/000/0600 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - Fresh Point: PECKMOOR FARM, BOREHOLE Data Type: Point Name: Mr G & Mrs D M Spratt & Mrs S Barber Easting: 343900 Northing: 107200	Annual Volume (m ³): 18492 Max Daily Volume (m ³): 50.5 Original Application No: 947 Original Start Date: 21/04/1967 Expiry Date: - Issue No: 102 Version Start Date: 01/10/2007 Version End Date: -
-	1961m W	Status: Active Licence No: 14/45/000/0600 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - Fresh Point: PECKMOOR FARM, BOREHOLE Data Type: Point Name: Mr G & Mrs D M Spratt & Mrs S Barber Easting: 343900 Northing: 107200	Annual Volume (m ³): 18492 Max Daily Volume (m ³): 50.5 Original Application No: 947 Original Start Date: 21/04/1967 Expiry Date: - Issue No: 102 Version Start Date: 01/10/2007 Version End Date: -
-	1961m W	Status: Historical Licence No: 14/45/000/0600 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: PECKMOOR FARM, BOREHOLE Data Type: Point Name: Barber Easting: 343900 Northing: 107200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/04/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/08/1991 Version End Date: -
-	1961m W	Status: Historical Licence No: 14/45/000/0600 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - Fresh Point: "PECKMOOR FARM, BOREHOLE" Data Type: Point Name: Mr G & Mrs D M Spratt & Mrs S Barber Easting: 343900 Northing: 107200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/04/1967 Expiry Date: - Issue No: 102 Version Start Date: 20/03/2003 Version End Date: -



ID	Location	Details	
-	1961m W	Status: Historical Licence No: 14/45/000/0600 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: Ground Water - Fresh Point: "PECKMOOR FARM, BOREHOLE" Data Type: Point Name: Mr G & Mrs D M Spratt & Mrs S Barber Easting: 343900 Northing: 107200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/04/1967 Expiry Date: - Issue No: 102 Version Start Date: 20/03/2003 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	2
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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 41 >](#)

ID	Location	Details	
-	881m NW	Status: Active Licence No: 16/52/003/S/188 Details: Lake & Pond Throughflow Direct Source: Surface Water - Fresh Point: PARRETT Data Type: Point Name: Karen Tarleton Easting: 345400 Northing: 108000	Annual Volume (m ³): 31500 Max Daily Volume (m ³): 86.5 Original Application No: - Original Start Date: 06/02/1992 Expiry Date: - Issue No: 102 Version Start Date: 03/01/2024 Version End Date: -
-	881m NW	Status: Historical Licence No: 16/52/003/S/188 Details: Make-Up Or Top Up Water Direct Source: Surface Water - Fresh Point: PARRETT Data Type: Point Name: Hoyle Easting: 345400 Northing: 108000	Annual Volume (m ³): 31500 Max Daily Volume (m ³): 86.5 Original Application No: 16/52/003/S/188 Original Start Date: 06/02/1992 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

2

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 41](#) >

ID	Location	Details	
-	1961m W	Status: Active Licence No: 14/45/000/0600 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - Fresh Point: PECKMOOR FARM, BOREHOLE Data Type: Point Name: Mr G & Mrs D M Spratt & Mrs S Barber Easting: 343900 Northing: 107200	Annual Volume (m ³): 18492 Max Daily Volume (m ³): 50.5 Original Application No: 947 Original Start Date: 21/04/1967 Expiry Date: - Issue No: 102 Version Start Date: 01/10/2007 Version End Date: -
-	1961m W	Status: Historical Licence No: 14/45/000/0600 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: Ground Water - Fresh Point: "PECKMOOR FARM, BOREHOLE" Data Type: Point Name: Mr G & Mrs D M Spratt & Mrs S Barber Easting: 343900 Northing: 107200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/04/1967 Expiry Date: - Issue No: 102 Version Start Date: 20/03/2003 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

0

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

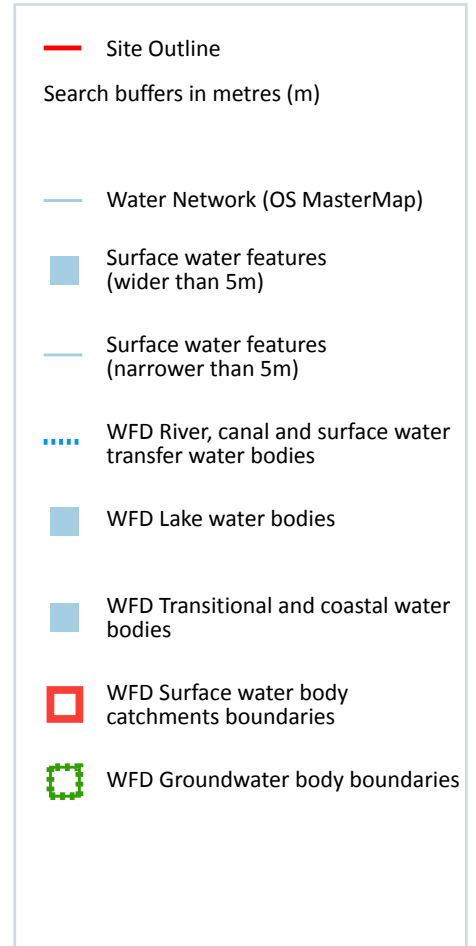
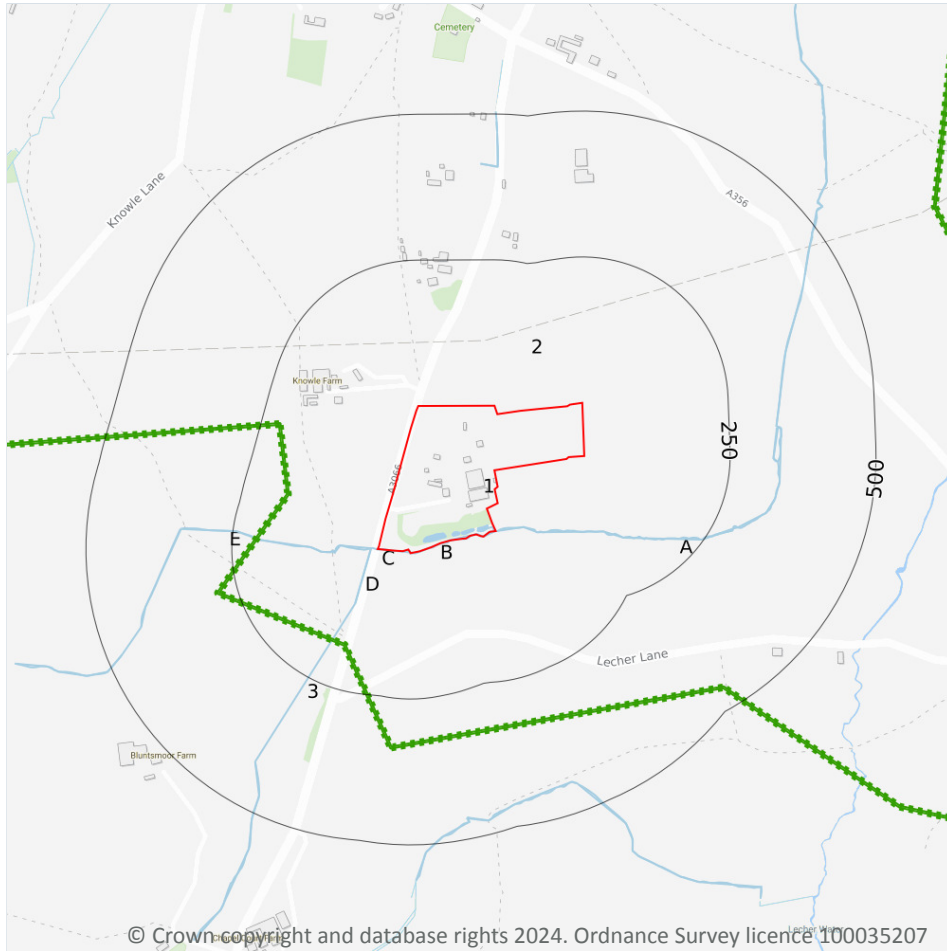
0

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

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



6 Hydrology



6.1 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 48 >](#)

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

ID	Location	Type of water feature	Ground level	Permanence	Name
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	11m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	11m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	101m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

3

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 48 >](#)

This data is sourced from the Ordnance Survey.



6.3 WFD Surface water body catchments

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

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

Features are displayed on the Hydrology map on [page 48 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Parrett - headwaters to Broad River	GB108052015260	Parrett	Somerset South and West

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

6.4 WFD Surface water bodies

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

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

Features are displayed on the Hydrology map on [page 48 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	797m NW	River	Parrett - headwaters to Broad River	GB108052015260 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

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

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

Features are displayed on the Hydrology map on [page 48 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Yeovil Bridport Sands / Inferior Oolite	GB40801G804000 ↗	Poor	Poor	Good	2019

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

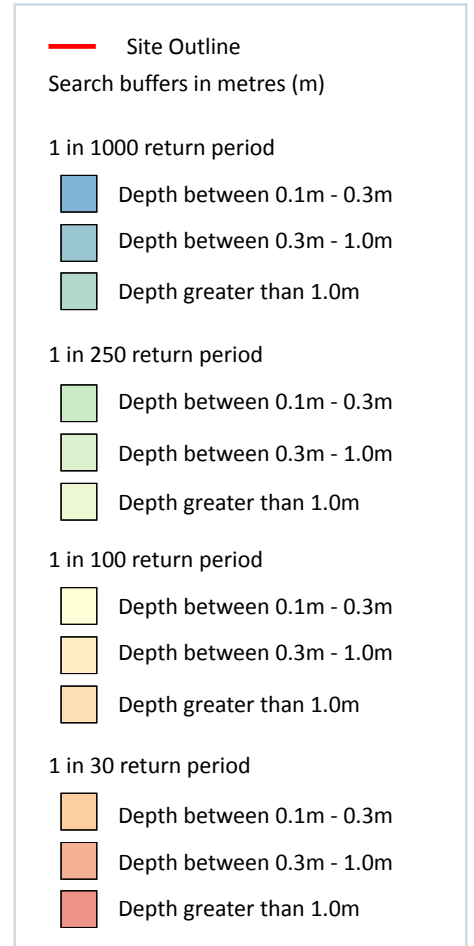
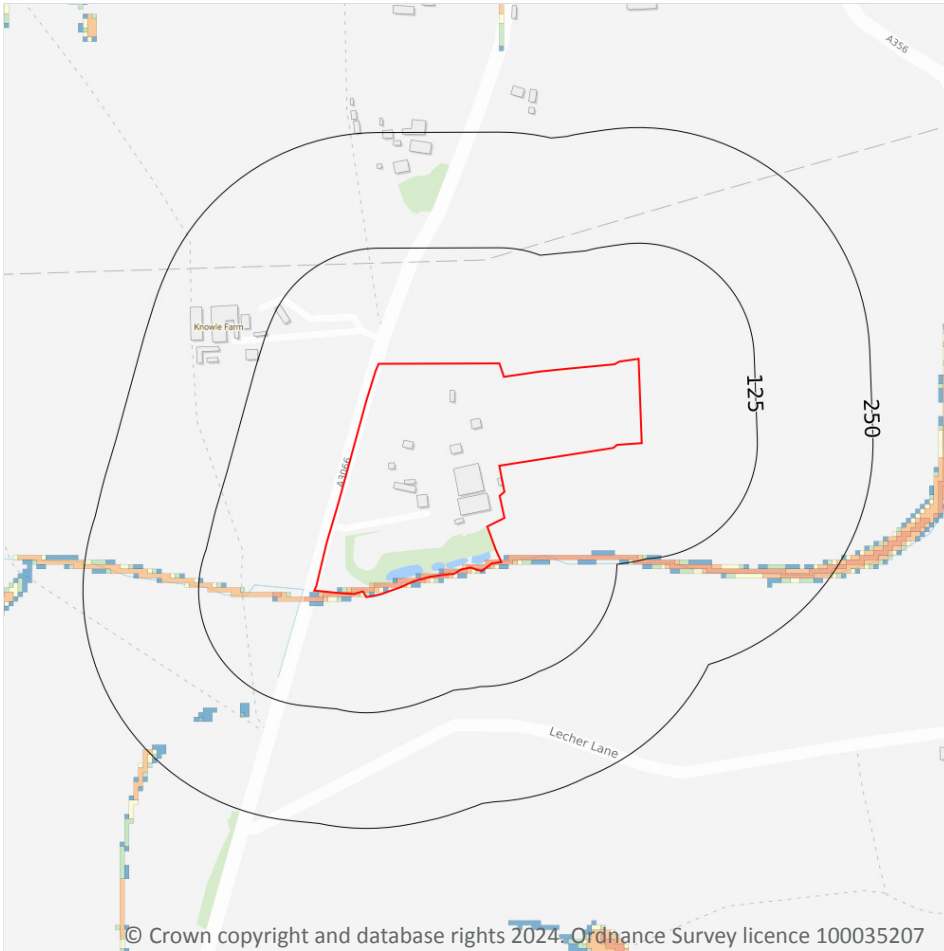
Records within 50m

0

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

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 55 >](#)

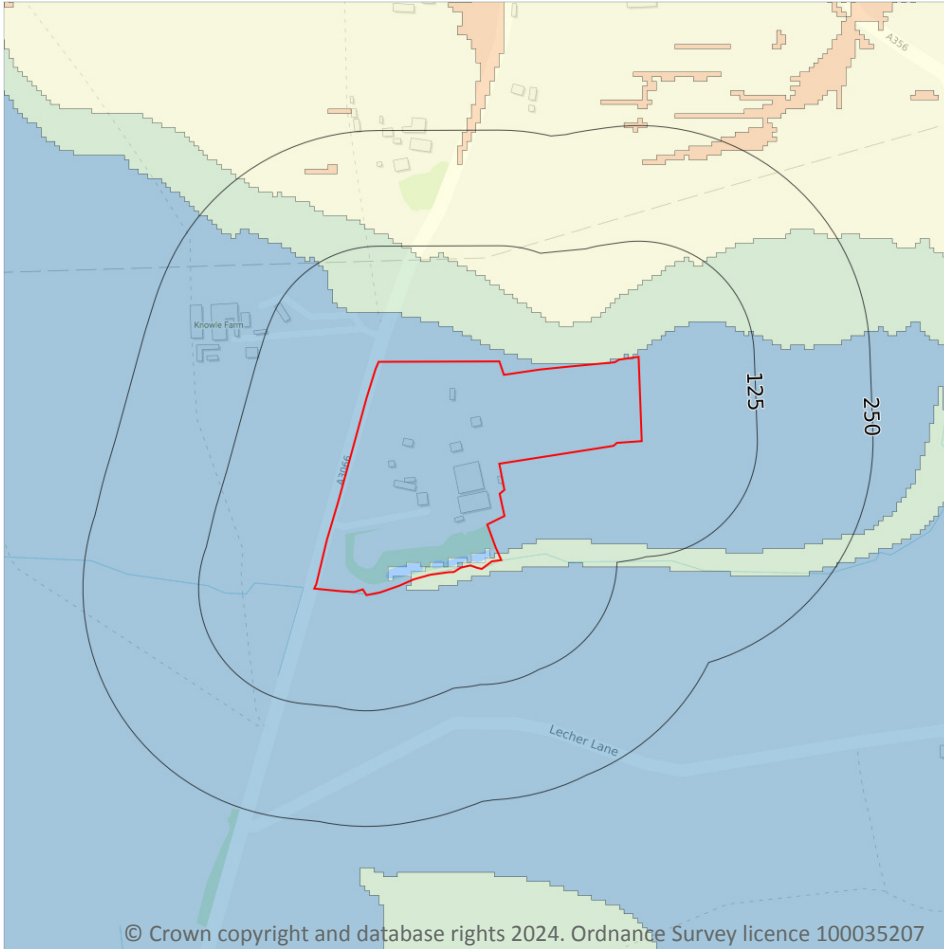
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



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9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Moderate

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 57](#) >

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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



10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

0

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

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

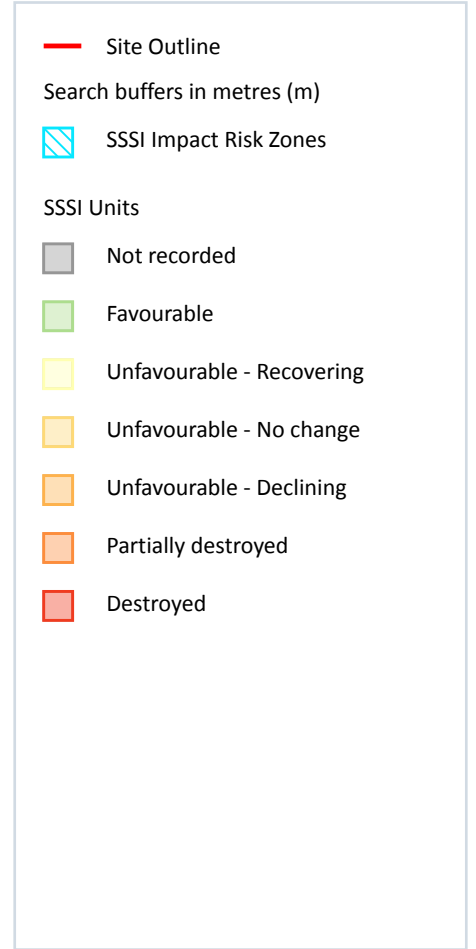
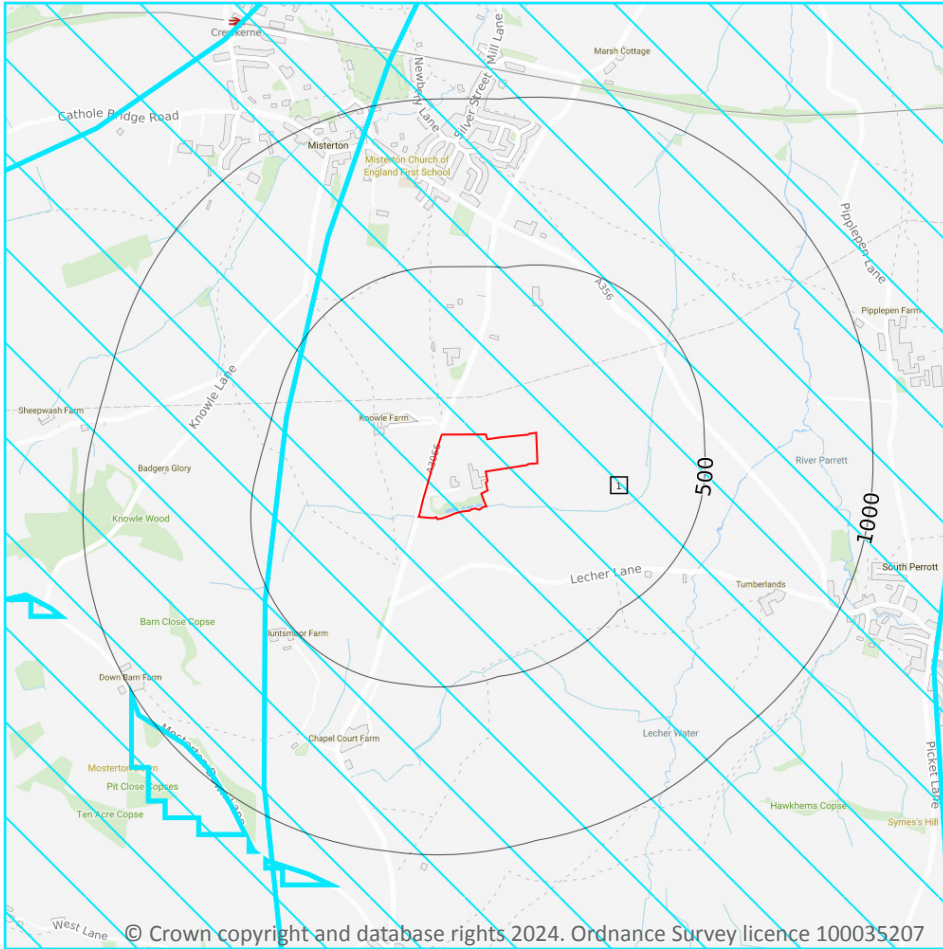
0

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

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 62](#) >

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 - Airports, helipads and other aviation proposals.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t).</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>

This data is sourced from Natural England.

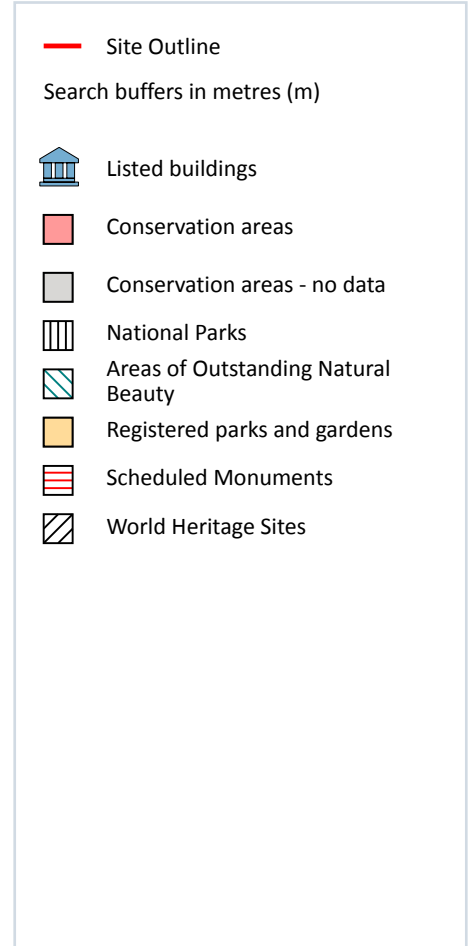
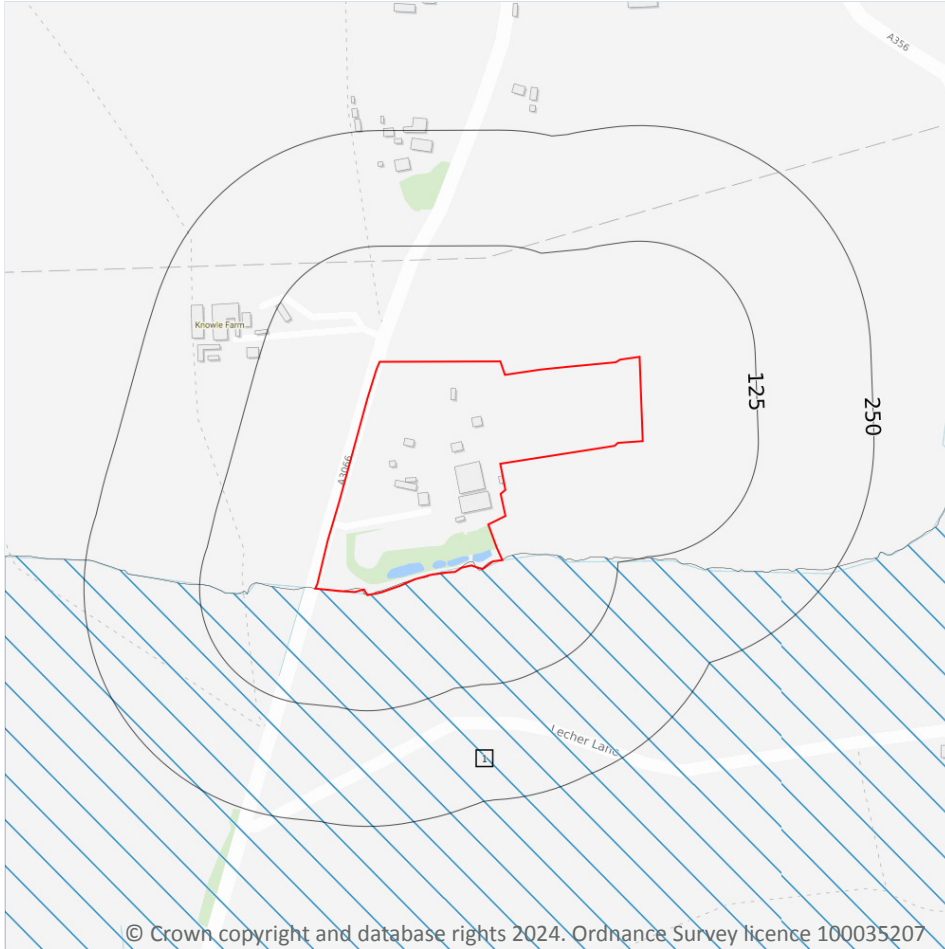
10.18 SSSI Units

Records within 2000m	0
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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.

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

11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

1

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.

Features are displayed on the Visual and cultural designations map on [page 64 >](#)

ID	Location	NAME	Data Source
1	On site	Dorset	Natural England

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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

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



11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

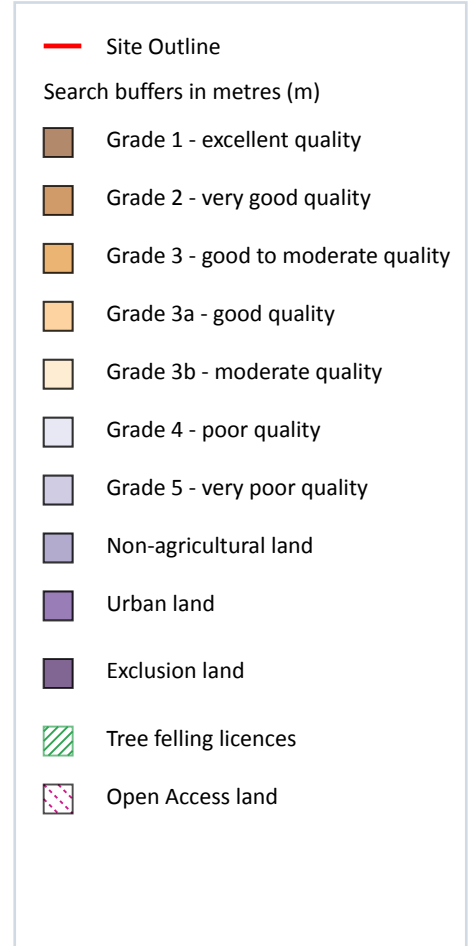
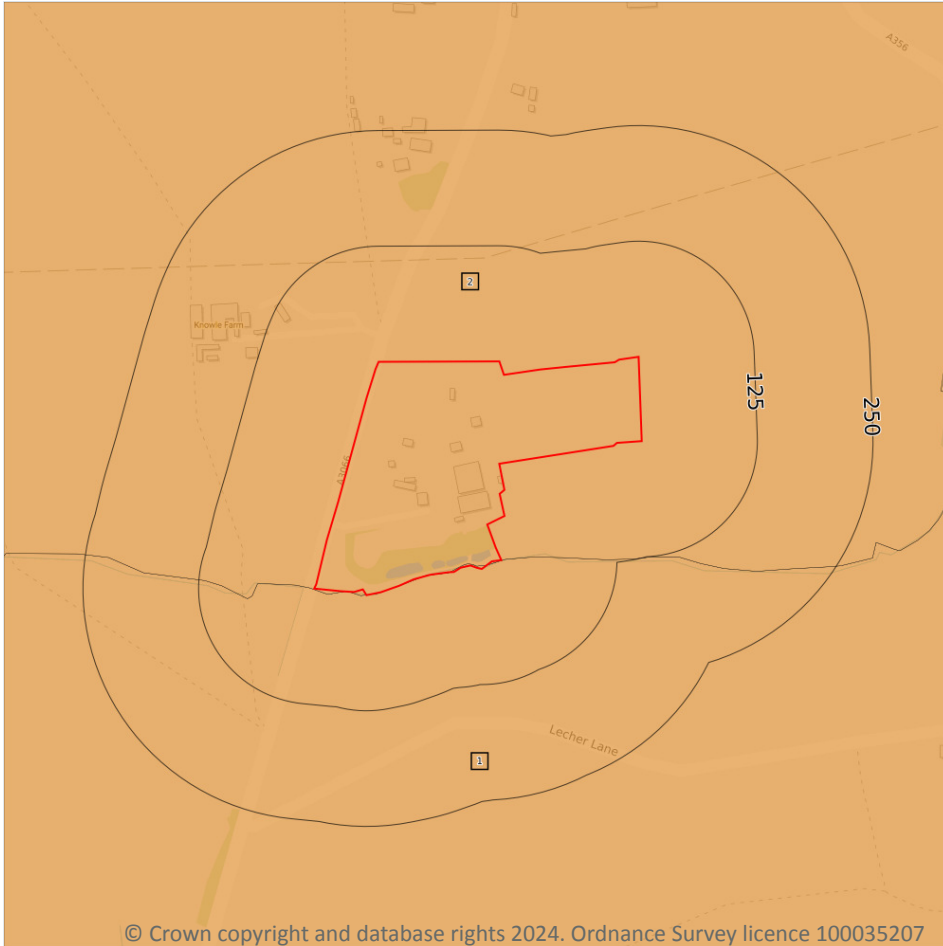
0

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

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



12 Agricultural designations



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12.1 Agricultural Land Classification

Records within 250m

2

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 67](#) >

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

ID	Location	Classification	Description
2	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m **0**

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

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

12.3 Tree Felling Licences

Records within 250m **0**

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m **0**

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m **2**

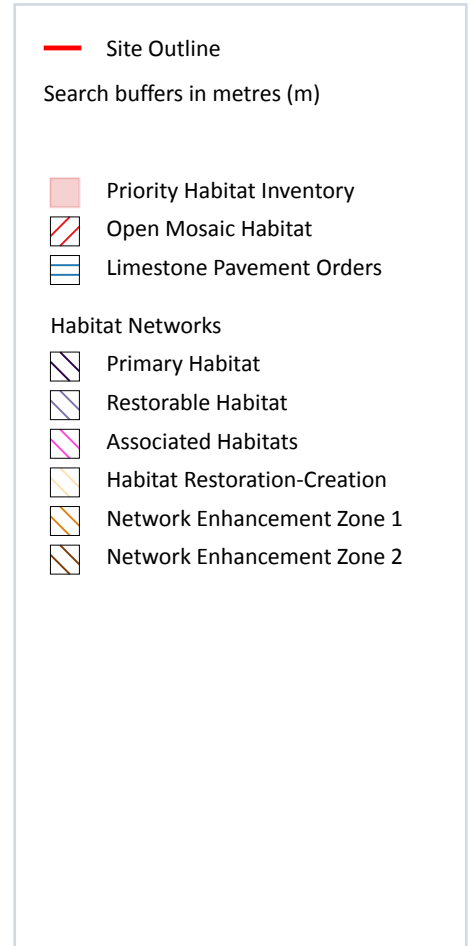
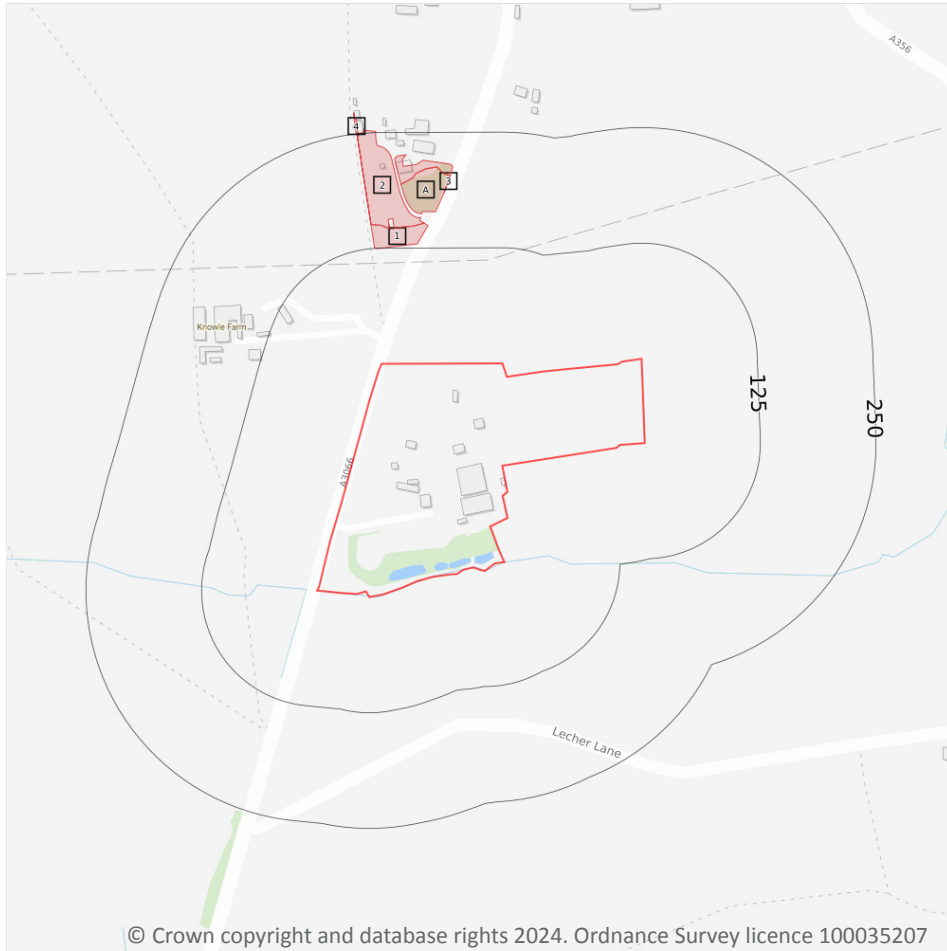
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.



Location	Reference	Scheme	Start Date	End Date
On site	836946	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
171m S	836946	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024

This data is sourced from Natural England.

13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

6

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 70 >](#)

ID	Location	Main Habitat	Other habitats
1	125m N	Traditional orchard	Main habitat: TORCH (INV > 50%)
2	147m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
A	162m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
3	186m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset

ID	Location	Main Habitat	Other habitats
A	194m N	Traditional orchard	Main habitat: TORCH (INV > 50%)
4	246m N	Traditional orchard	Main habitat: TORCH (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

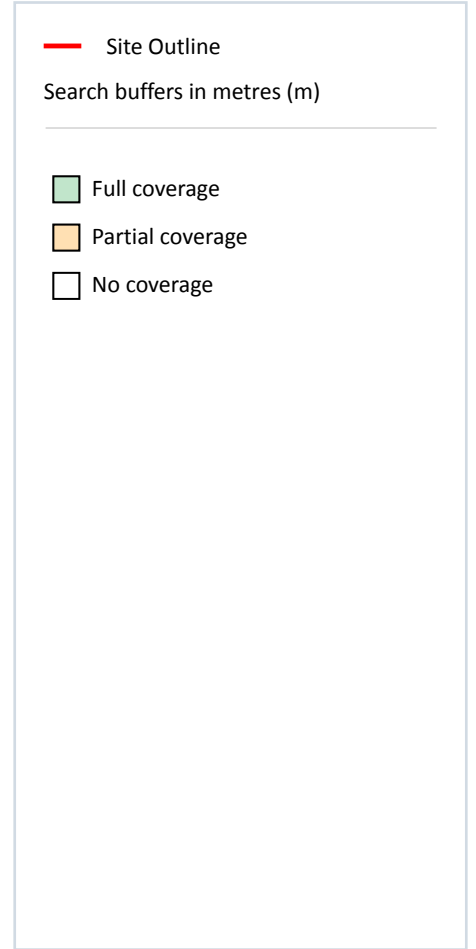
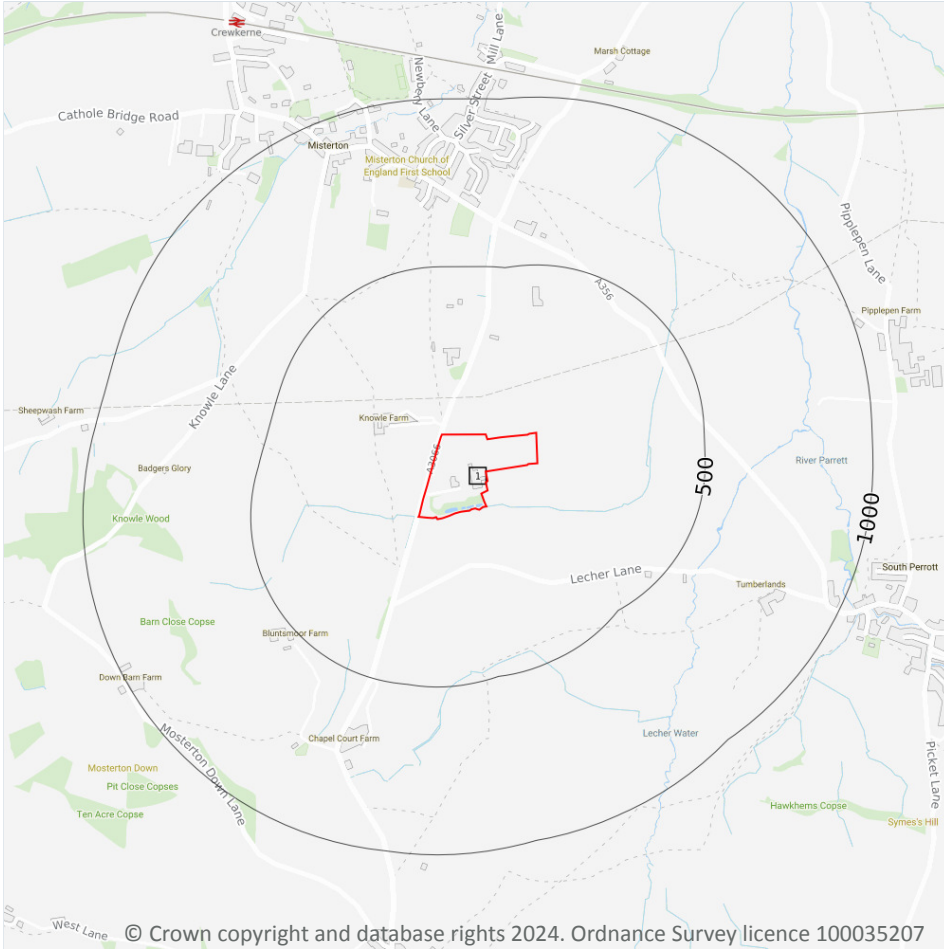
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 72 >](#)

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

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

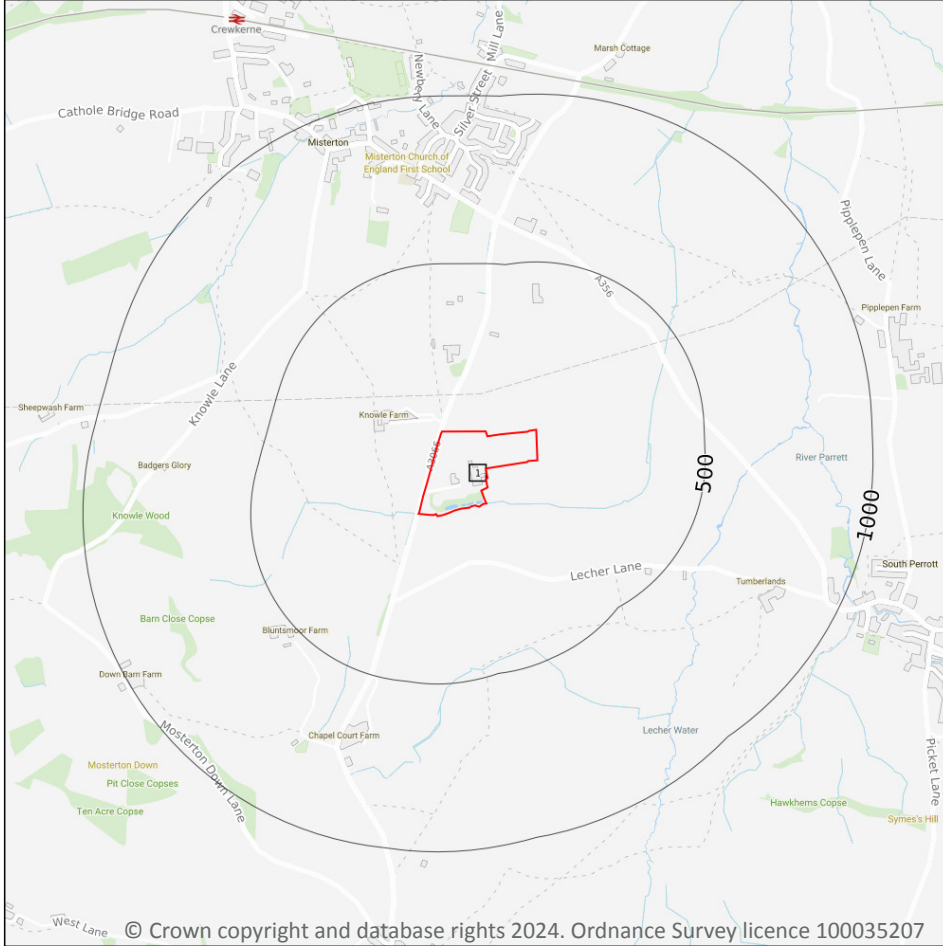
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 76 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW312_yeovil_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

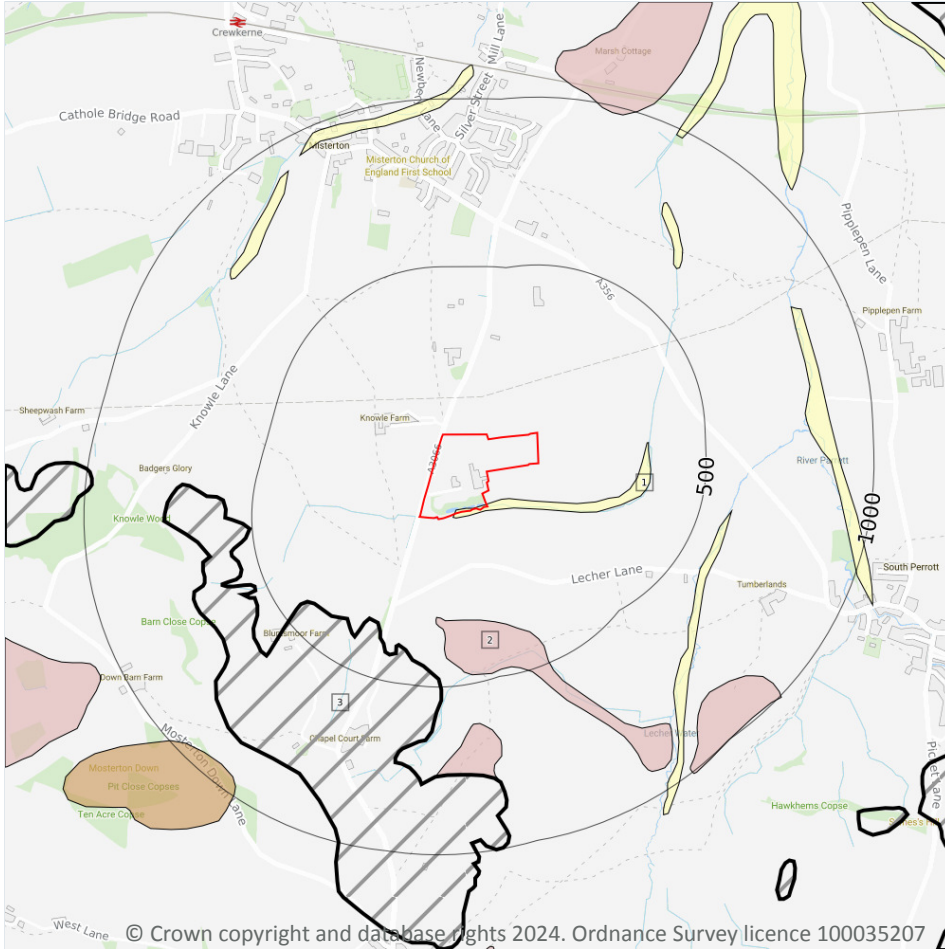
Records within 50m


0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 78 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	293m S	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m **1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **1**

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 78](#) >

ID	Location	LEX Code	Description	Rock description
3	337m SW	SLIP-C	LANDSLIDE DEPOSITS	CLAY

This data is sourced from the British Geological Survey.

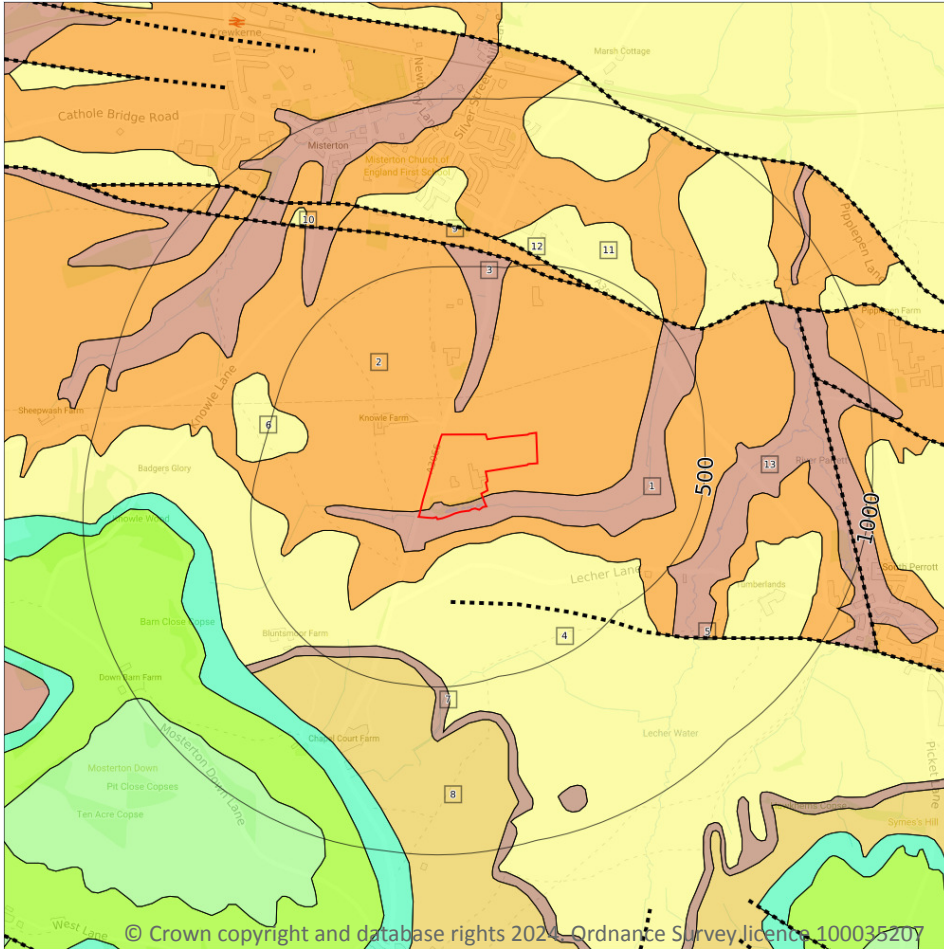
15.7 Landslip permeability (50k)

Records within 50m **0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

10

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 80](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	BDS-SDST	BRIDPORT SAND FORMATION - SANDSTONE	TOARCIAN
2	On site	INO-LMOOL	INFERIOR OOLITE GROUP - LIMESTONE, OOIDAL	AALENIAN
3	67m N	BDS-SDST	BRIDPORT SAND FORMATION - SANDSTONE	TOARCIAN
4	96m S	FE-MDST	FULLER'S EARTH FORMATION - MUDSTONE	BATHONIAN

ID	Location	LEX Code	Description	Rock age
6	379m W	FE-MDST	FULLER'S EARTH FORMATION - MUDSTONE	BATHONIAN
7	402m SW	WAB-LMST	WATTONENSIS BEDS MEMBER - LIMESTONE	BATHONIAN
8	428m S	FRC-MDST	FROME CLAY FORMATION - MUDSTONE	BATHONIAN
9	458m NE	INO-LMOOL	INFERIOR OOLITE GROUP - LIMESTONE, OOIDAL	AALENIAN
11	461m NE	FE-MDST	FULLER'S EARTH FORMATION - MUDSTONE	BATHONIAN
13	495m SE	BDS-SDST	BRIDPORT SAND FORMATION - SANDSTONE	TOARCIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

2

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High
On site	Mixed	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 80 >](#)

ID	Location	Category	Description
5	250m S	FAULT	Fault, inferred, displacement unknown
10	458m NE	FAULT	Fault, inferred, displacement unknown
12	461m NE	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
 Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

1

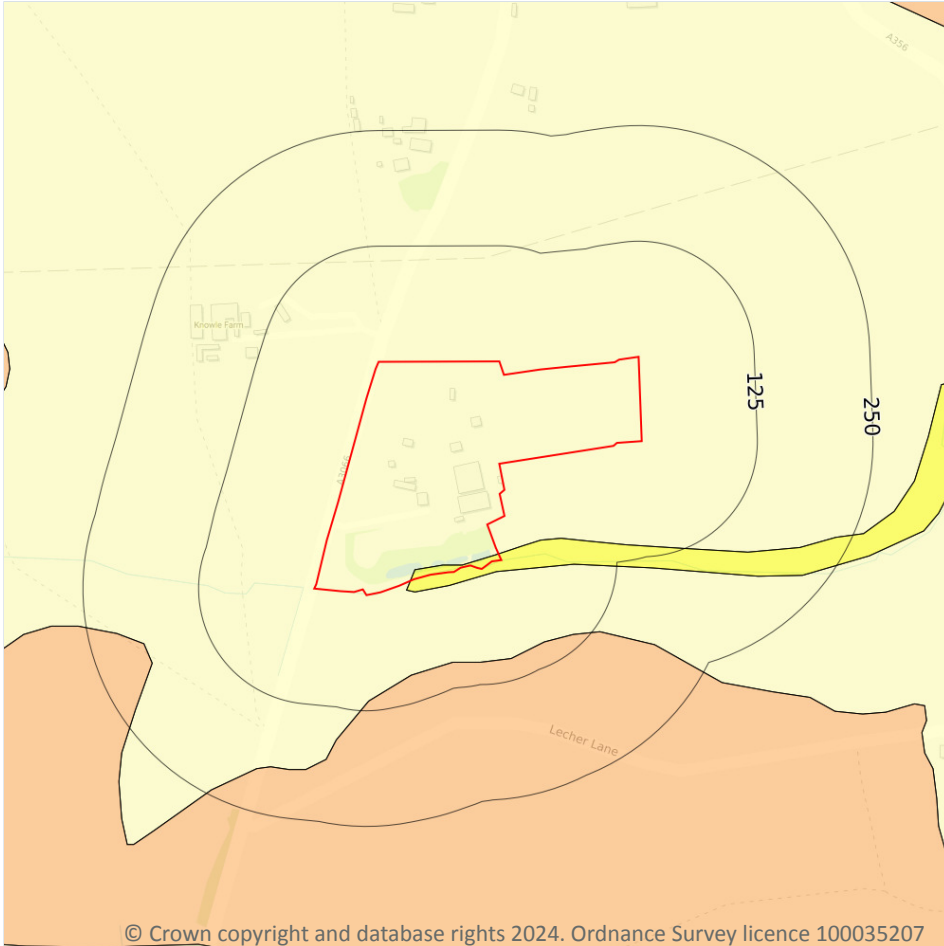
The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several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

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

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	346020 107140	NEWMANS FARM MISTERTON	48.0	N	385775 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



— Site Outline
Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m

2

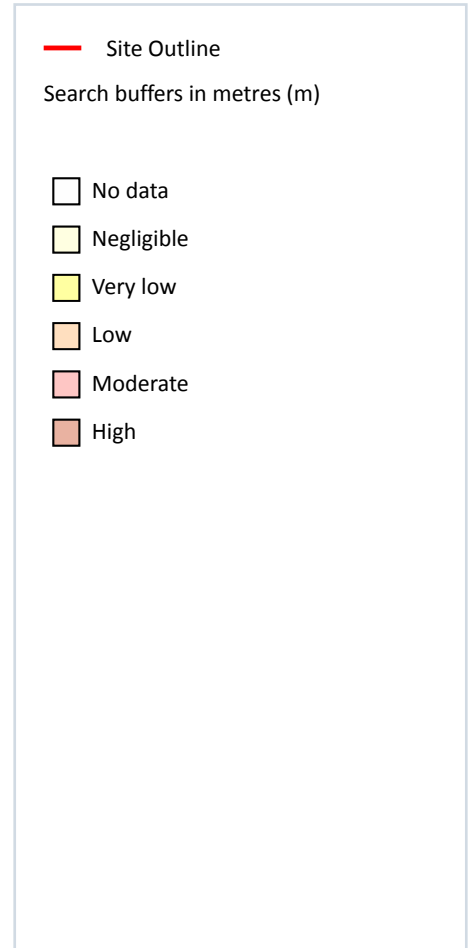
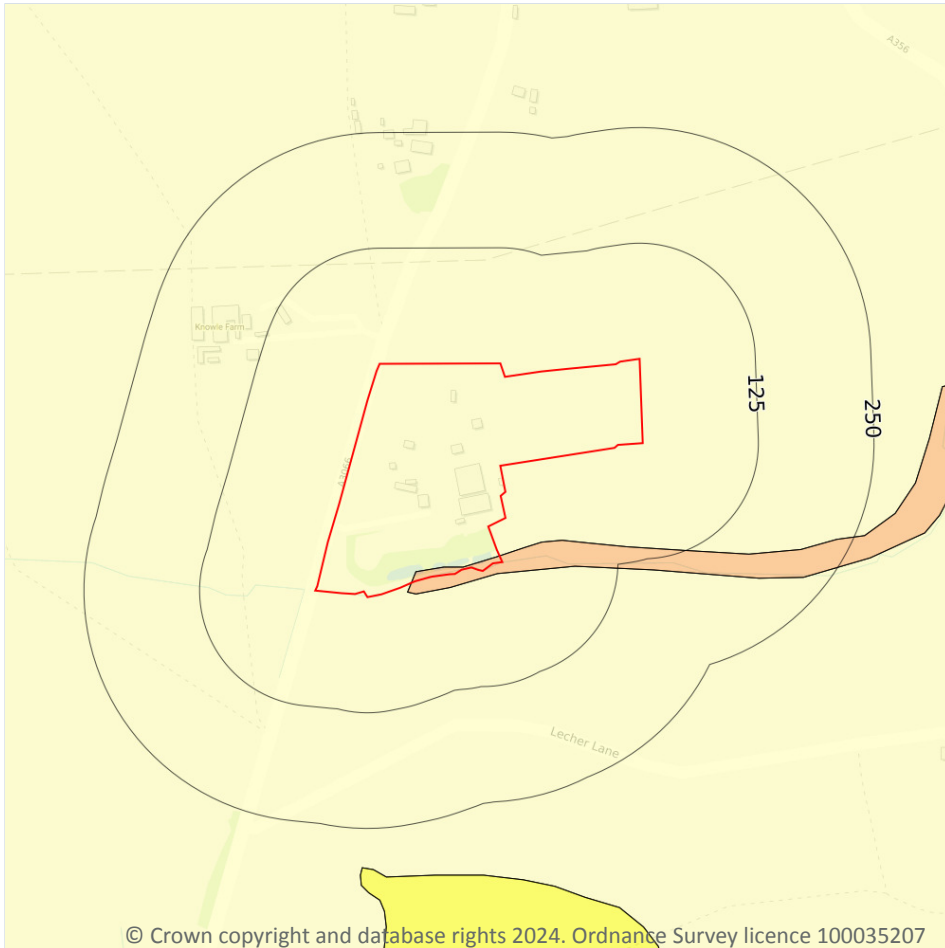
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 83](#) >

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 84 >](#)

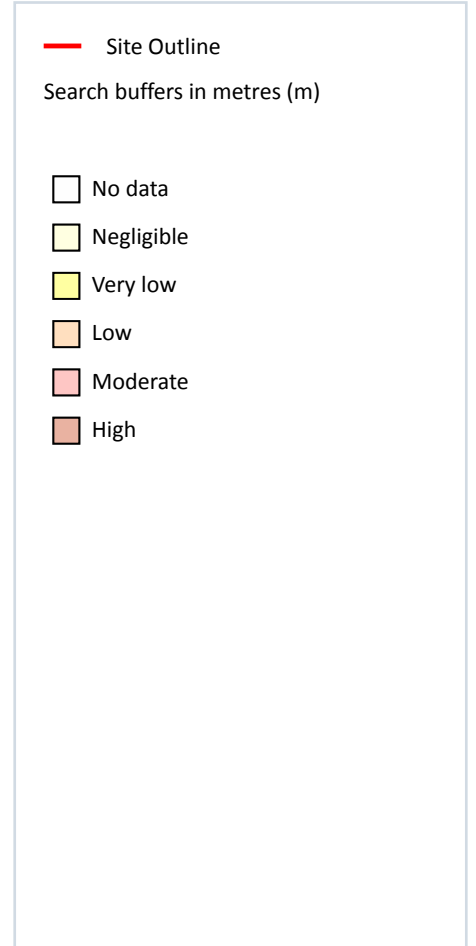
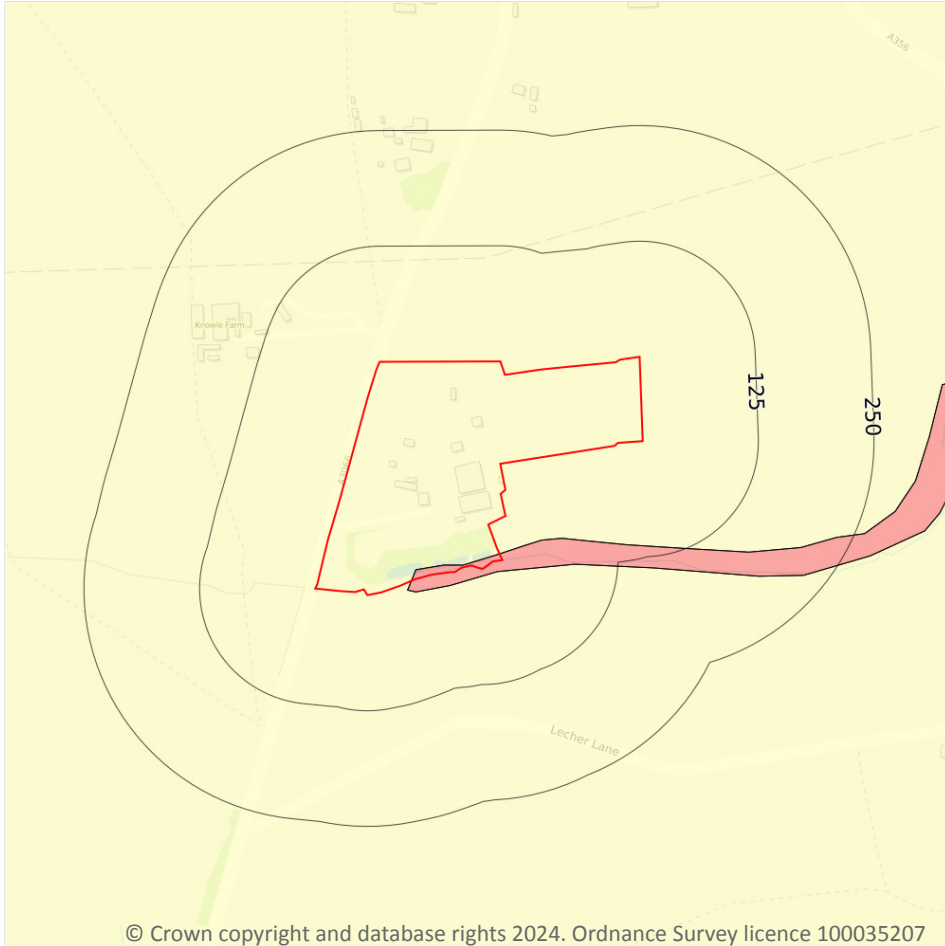
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

2

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

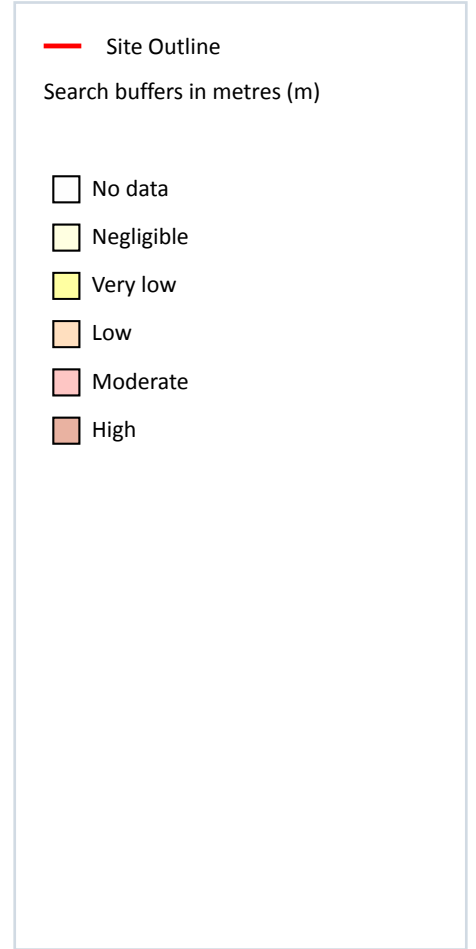
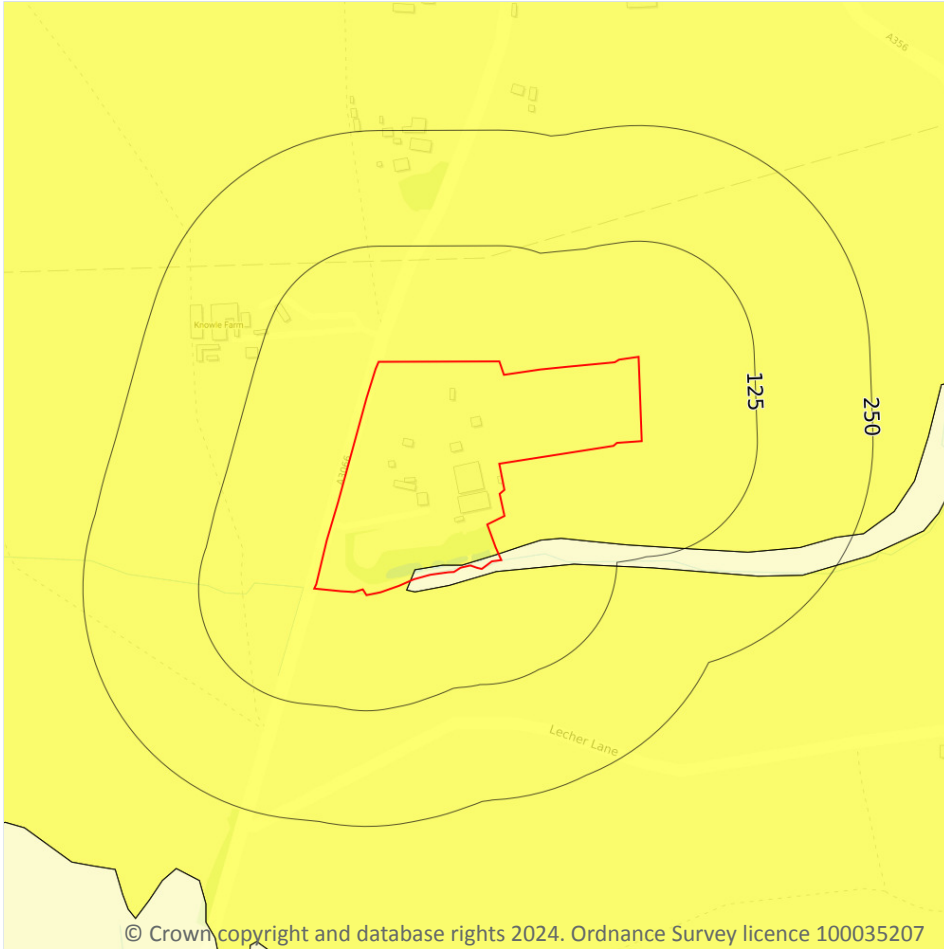
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 86 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

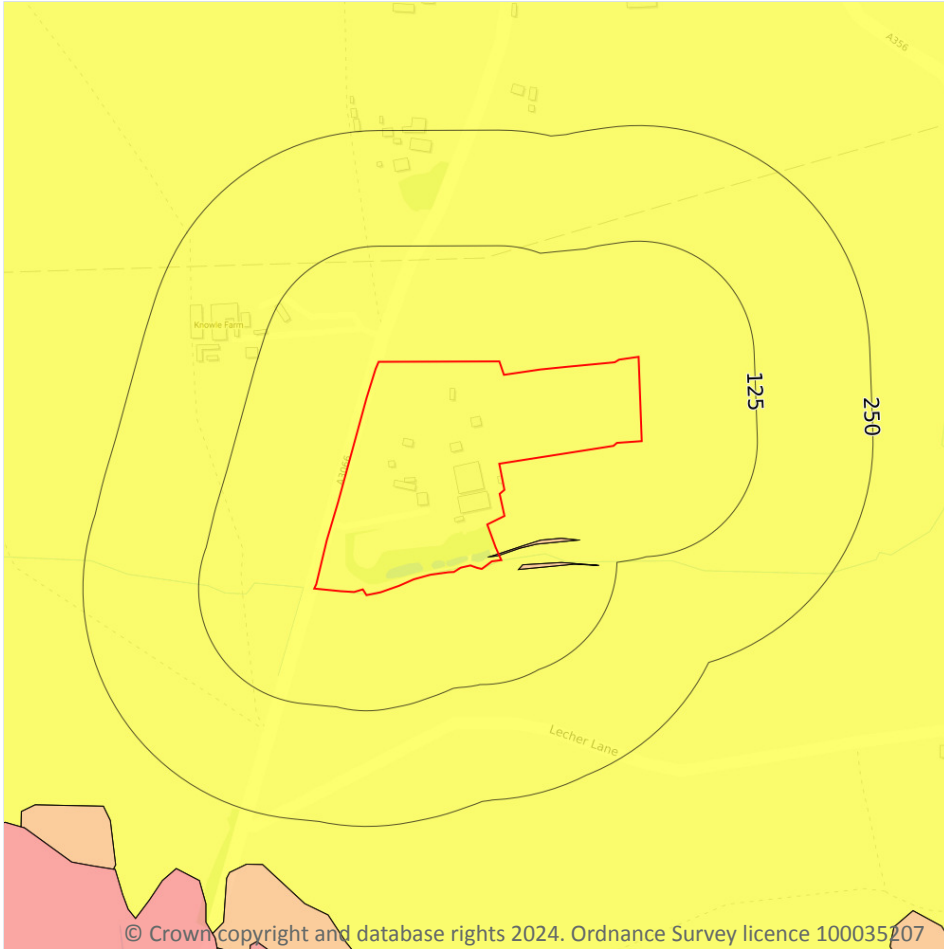
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 88 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

3

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

Features are displayed on the Natural ground subsidence - Landslides map on [page 89](#) >

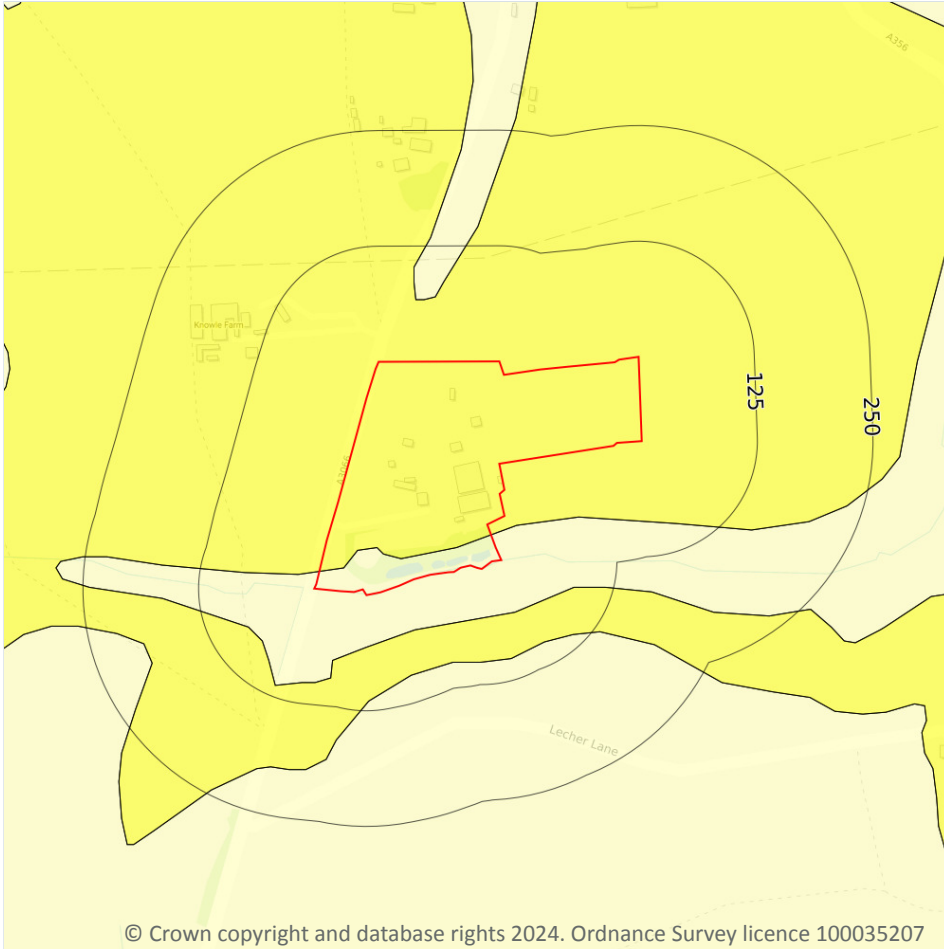
Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
21m SE	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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17.6 Ground dissolution of soluble rocks

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 91](#)

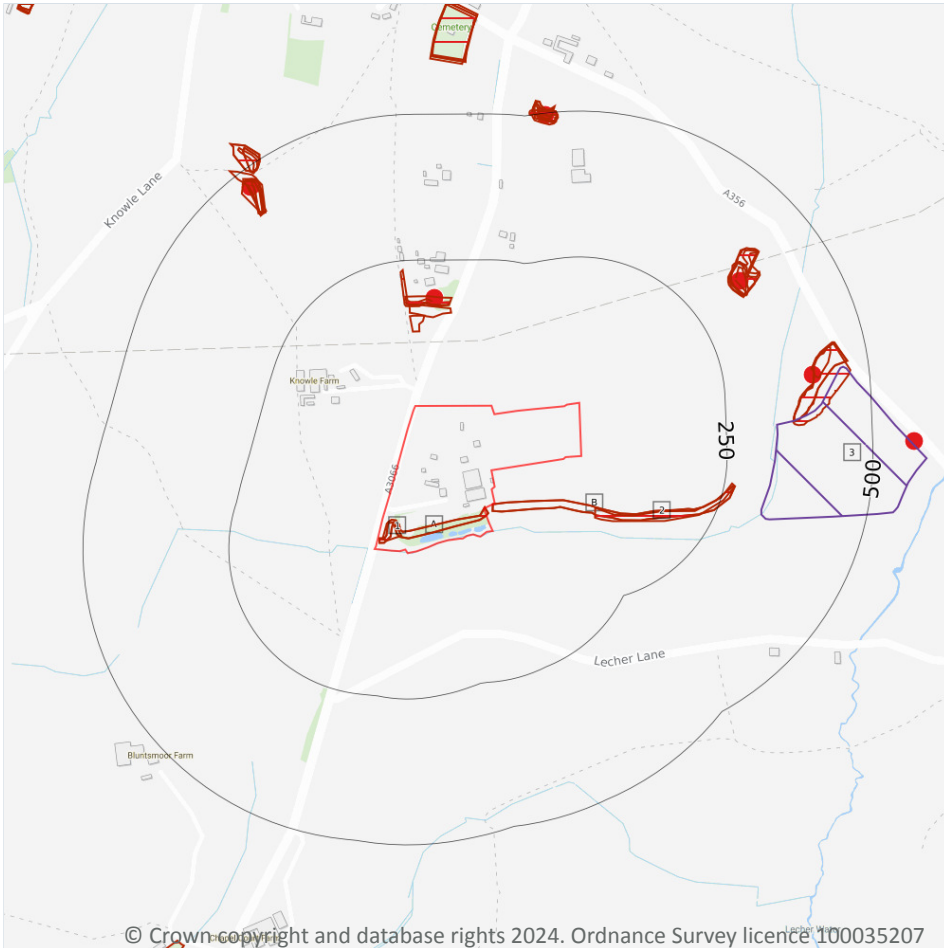
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

This data is sourced from the British Geological Survey.



18 Mining and ground workings



18.1 BritPits

Records within 500m

5

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

Features are displayed on the Mining and ground workings map on [page 93](#) >

ID	Location	Details	Description
C	185m N	Name: Misterton Address: MISTERTON, Somerset Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	345m NE	Name: Pipplepen Lane Address: South Perott, CREWKERNE, Somerset Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	402m E	Name: Studley's Address: South Perrot, BEAMINSTER, Dorset Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
F	469m NW	Name: Misterton Address: CREWKERNE, Somerset Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	497m N	Name: Well Spring Farm Address: CREWKERNE, Somerset Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

10

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

Features are displayed on the Mining and ground workings map on [page 93](#) >



ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Unspecified Pit	1957	1:10560
A	On site	Unspecified Ground Workings	1938	1:10560
A	On site	Unspecified Ground Workings	1901	1:10560
B	0m SE	Unspecified Ground Workings	1938	1:10560
B	0m SE	Unspecified Ground Workings	1901	1:10560
2	92m E	Unspecified Ground Workings	1886	1:10560
C	128m N	Unspecified Quarry	1957	1:10560
C	152m N	Unspecified Quarry	1901	1:10560
C	171m N	Unspecified Quarry	1891	1:10560
C	173m N	Unspecified Quarry	1886	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

1

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

Features are displayed on the Mining and ground workings map on [page 93 >](#)



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
3	322m E	South perrott	Limestone	Surface mineral working	Valid	17/9/48

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

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



risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

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

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

18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site

0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

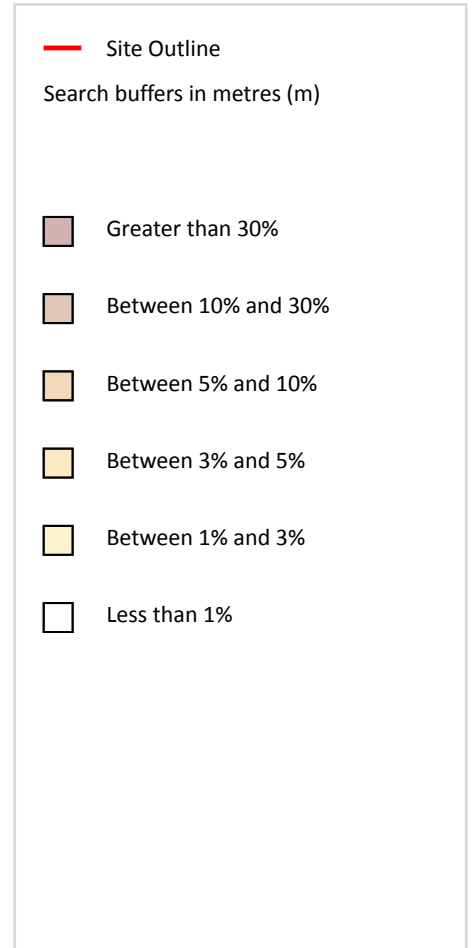
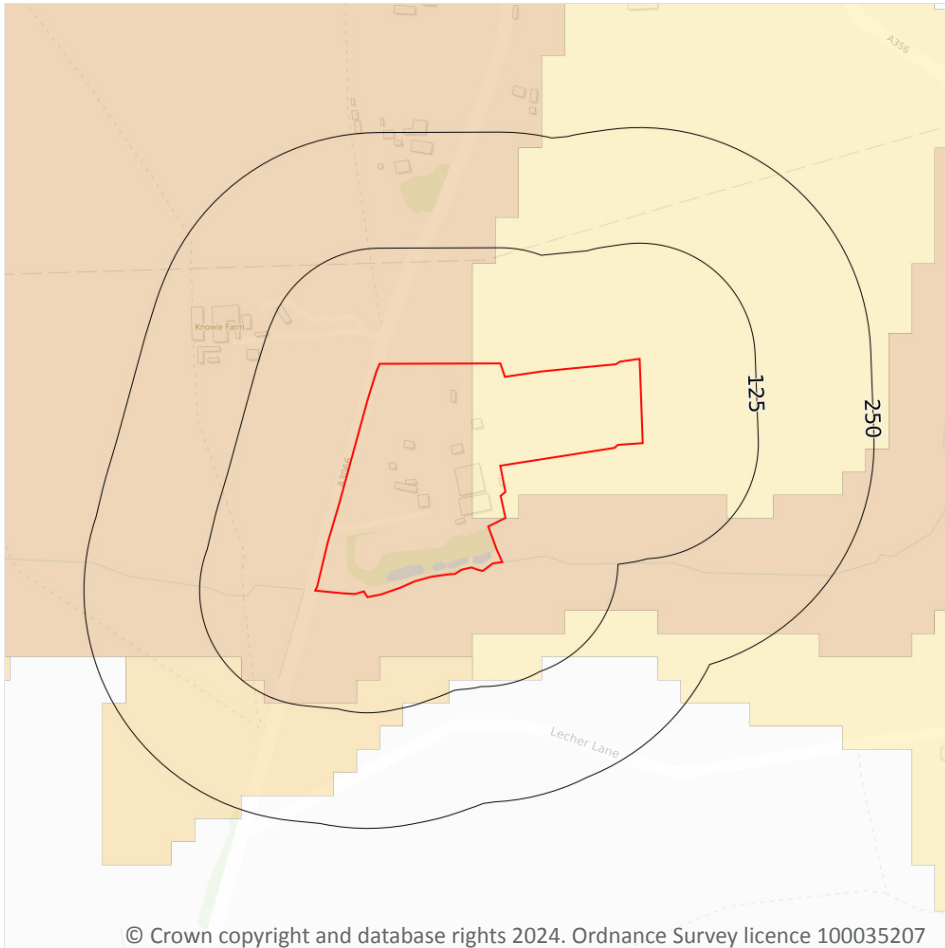
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

2

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

Features are displayed on the Radon map on [page 101 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 5% and 10%	Basic

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None

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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

8

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
7m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
40m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.



21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m 0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m 0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m 0

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m 0

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0
----------------------------	----------

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0
----------------------------	----------

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

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

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

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

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

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

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

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



Appendix B: Site Walkover Photographs (25 April 2024)

Photograph 1 – Looking south south west along access road



Photograph 2 – Looking west towards staff carpark



Photograph 3 – Water tanks in south west corner of site



Photograph 4 – Looking east from site office



Photograph 5 – Milk silos & chemical storage tanks



Photograph 6 – Balance tank with Effluent Treatment Plant Area



Photograph 7 –Above ground pipework Effluent Treatment Plant



Photograph 8 –Chemical storage on concrete surfacing



Photograph 9 –Gantry with above ground pipework



Photograph 10 –Cleaning in Place for vehicles with western boundary beyond



Photograph 11 –Workshop



Photograph 12 –Yard run off storage and settlement pit



Photograph 13 – Looking towards northern boundary of site



Photograph 15 – Fuel tanks on west side of site 1 of 2



Photograph 16 –Fuel tanks on west side of site 2 of 2



Photograph 17 –Looking south towards skim silos



Photograph 18 –Looking south between main office and milk silos near site entrance



Photograph 19 – Looking south towards boilers 2 and 4



Photograph 20 – Looking south towards MVR and skim silos at eastern side of main site



Photograph 21 – Looking south towards dairy buildings



Photograph 22 – Southern aspect of main dairy building



Photograph 23 –Area for new CIP for vehicles in eastern site extension



Photograph 24 – Eastern development area looking north west



Photograph 25 – Cooling tower



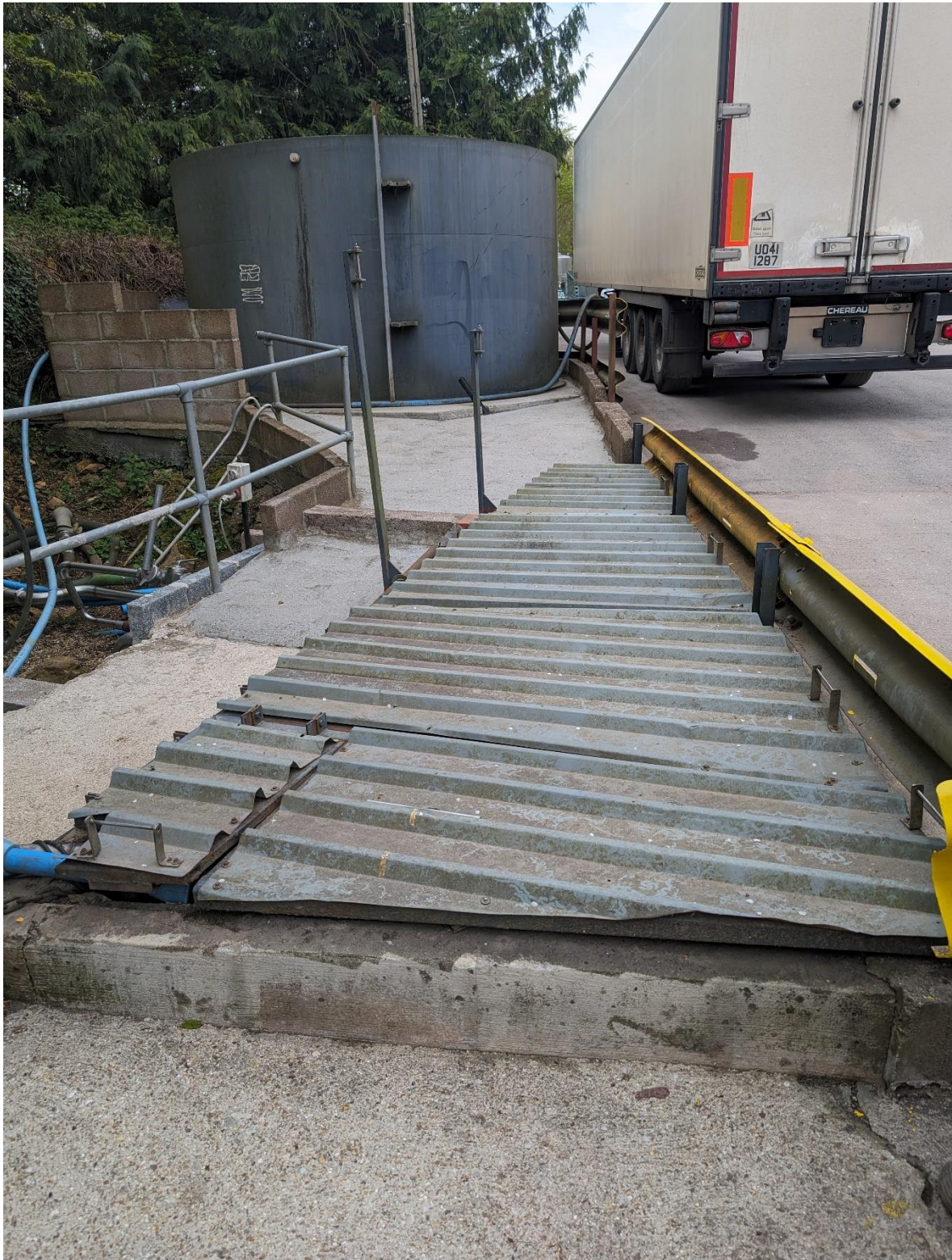
Photograph 26 – Emergency chemical spill kit station



Photograph 27 – Emergency silo



Photograph 28 – Emergency pit (disused tank in background)



Photograph 29 – Looking south towards 2 no. water discharge points



Photograph 30 – Looking south west over settlement ponds



Photograph 31 – Settlement ponds



Photograph 32 – Westerly settlement pond



Photograph 33 – Tributary of River Parrett on southern boundary



Appendix C: Engine Oil Safety Data Sheet



Mercedes-Benz

Trucks you can trust

Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH)

A 990 989 17 00 18 ABDW

Mercedes-Benz Trucks & Buses Genuine Engine Oil SAE 5W-30 MB 228.51 LT

Print date 04.12.2023

Revision date 01.01.2023

Version 0 (en)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation Mercedes-Benz Trucks & Buses Genuine Engine Oil SAE 5W-30 MB 228.51 LT

MB-Freigabe-Nr 228.51 LT

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Motor oil

Uses advised against

This product should not be used for other purposes than those specified without the advice of an expert.

1.3 Details of the supplier of the safety data sheet

Supplier

Daimler Truck AG
70771 Leinfelden-Echterdingen
Germany
+49 711 8485 0
Telefon +49 160 8605239
E-Mail (fachkundige Person) daimler-truck-sdb@daimler.com

Manufacturer

Daimler Truck AG

70771 Leinfelden-Echterdingen
Germany

Telephone +49 711 8485-0
E-mail (competent person):
daimler-truck-sdb@daimler.com

1.4 Emergency telephone number

+49 711 8485-0
gms.aftersales.daimlertruck.com
Giftnotruf der Charité – Universitätsmedizin Berlin +49 (0)30 30686700

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Precautionary statements

P102 Keep out of reach of children.



Special rules for supplemental label elements for certain mixtures

EUH208 Contains 2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide; coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol; ben
EUH210 Safety data sheet available on request.

2.3 Other hazards

Adverse human health effects and symptoms

Prolonged or repeated contact with the skin without cleaning properly may clog the skin pores and lead to disorders such as oil acne / folliculitis.

Other adverse effects

Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Description

Severely refined mineral and/or synthetic oils, additives.

Hazardous ingredients

CAS No.	EC No.	INDEX No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
72623-87-1	276-738-4	649-483-00-5	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified	20 < 30 %	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg ATE(inhalation dust/mist): > 5 mg/L
125643-61-0	406-040-9		Reaction product of isomers consisting of C7-9-alkyl 3-(3,5 -di-trans-butyl-4-hydroxyphenyl) propionate	3 < 4 %	Aquatic Chronic 4; H413	
873694-48-5	681-947-2		2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide	2 < 2.5 %	Skin Sens. 1B; H317 Aquatic Chronic 4; H413	
36878-20-3	253-249-4		bis(nonylphenyl)amine	1 < 1.5 %	Aquatic Chronic 4; H413	
1428353-74-5	806-731-9		Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol	0.95 < 1 %	Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 4; H413	
722503-69-7	682-812-0		Benzenesulfonic acid, methyl-, mono-C20-26-branched alkyl derivs., calcium salts	0.1 < 0.25 %	Skin Sens. 1B; H317 Aquatic Chronic 4; H413	
722503-68-6	682-816-2		benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	0.1 < 0.25 %	Skin Sens. 1B; H317 Aquatic Chronic 4; H413	

REACH No.	Substance name
01-2119474889-13	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified



REACH No.	Substance name
01-0000015551-76	Reaction product of isomers consisting of C7-9-alkyl 3-(3,5 -di-trans-butyl-4-hydroxyphenyl) propionate
01-2119488911-28	bis(nonylphenyl)amine
01-2120067755-46	Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol

Remark

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

Following inhalation

Provide fresh air.

In the event of symptoms refer for medical treatment.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After eye contact

Remove contact lens

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting.

Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam

Extinguishing powder

Carbon dioxide (CO2)

Water spray jet

Unsuitable extinguishing media

Full water jet



5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire formation of dangerous gases possible.

Nitrogen oxides (NO_x)

Carbon monoxide

Carbon dioxide (CO₂)

Sulphur oxides

Phosphorus oxides

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Cool endangered containers with water spray and possibly remove them from fire site.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid skin and eye contact.

Use personal protection equipment.

Special danger of slipping by leaking/spilling product.

For emergency responders

Personal protection equipment

Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter into surface water or drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

For containment

Collect with spongy material (all-purpose gelation agent) and dispose of in compliance with the regulations.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13



SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Avoid:

Skin contact

Eye contact

generation/formation of aerosols

Provide for appropriate ventilation/aspiration at the work station

Do not heat up to temperatures close to the flash point.

All work processes must always be designed so that the following is as low as possible:

Do not put any product-impregnated cleaning rags into your trouser pockets.

Advices on general occupational hygiene

Thorough skin-cleansing after handling the product.

Apply skin care products after work.

When using do not eat, drink, smoke, sniff.

Keep away from food and drink.

Use protective skin cream before handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Materials to avoid

Do not store together with:

Food and feedingstuffs

Further information on storage conditions

Keep container tightly closed and protected against effects of weather in a cool, appropriately aerated area.

Protect against:

Heat

UV-radiation/sunlight

7.3 Specific end use(s)

Recommendation

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL worker

CAS No.	Substance name	DNEL value	DNEL type	Remark
36878-20-3	bis(nonylphenyl)amine	0.62 mg/kg bw/day	long-term dermal (systemic)	
36878-20-3	bis(nonylphenyl)amine	4.37 mg/kg	long-term inhalative (systemic)	
125643-61-0	Reaction product of isomers consisting of C7-9-alkyl 3-(3,5 -di-trans-butyl-4-hydroxyphenyl) propionate	0.22 mg/kg	long-term dermal (systemic)	



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DNEL Consumer

CAS No.	Substance name	DNEL value	DNEL type	Remark
36878-20-3	bis(nonylphenyl)amine	0.31 mg/kg bw/day	long-term dermal (systemic)	
36878-20-3	bis(nonylphenyl)amine	1.09 mg/kg	long-term inhalative (systemic)	
36878-20-3	bis(nonylphenyl)amine	0.31 mg/kg	Long-term – oral, systemic effects	

PNEC

CAS No.	Substance name	PNEC Value	PNEC type	Remark
36878-20-3	bis(nonylphenyl)amine	0.1 mg/L	aquatic, freshwater	
36878-20-3	bis(nonylphenyl)amine	0.01 mg/L	aquatic, marine water	
36878-20-3	bis(nonylphenyl)amine	132000 mg/kg	sediment, freshwater	
36878-20-3	bis(nonylphenyl)amine	13200 mg/kg	sediment, marine water	
36878-20-3	bis(nonylphenyl)amine	263000 mg/kg	soil	

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Sufficient ventilation and exhaustion.

Personal protection equipment

Eye/face protection

Safety glasses recommended during transfer
EN 166

Hand protection

Glove materials data [type, thickness, breakthrough time/duration of use, permeation rate]: Nitrile rubber (protection index 6, >480 min, 0.4 mm)

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Body protection:

Protective clothing

Respiratory protection

Respiratory protection necessary at:

insufficient exhaust

prolonged exposure

Suitable respiratory protection apparatus:

Filtering device (full mask or mouthpiece) with filter:

AX



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

amber

Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	> 300 °C	ASTM D 1120	
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	201.5 °C	ASTM D 93	
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	in delivery state		not applicable
Viscosity	kinematic 71 cSt (40°C)	ASTM D445	
Solubility(ies)	Water solubility		practically insoluble
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	0.857 g/cm ³ (15°C)	ASTM D 4052	
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Explosive properties			The product is not explosive

Other information

none



SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions with proper storage and handling.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Heat
High temperatures

10.5 Incompatible materials

Oxidising agent, strong
Strong acids
Strong bases

10.6 Hazardous decomposition products

Nitrogen oxides (NOx)
Hydrogen sulfide (H2S)
Carbon monoxide
Carbon dioxide
Phosphorus compounds

Additional information

No risk of production of decomposition products when appropriately handled and stored

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified LD50: > 5000 mg/kg Species Rat	OECD 401	
Acute dermal toxicity	not determined		



	Effective dose	Method, Evaluation	Source, Remark
Acute inhalation toxicity	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified Acute inhalation toxicity (dust/mist) LC50: > 5 mg/L Species Rat Exposure time 4 h		

Assessment/classification

The classification criteria have not been met according to the available data.

Skin corrosion/irritation

Practical experience/human evidence

Repeated or prolonged contact with the skin may cause skin irritation.

Assessment/classification

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Practical experience/human evidence

Repeated or prolonged contact with the eyes may cause eye irritation.

Assessment/classification

Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract

Assessment/classification

Based on available data, the classification criteria are not met.

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
sensitising	CAS No.873694-48-5 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide	OECD 406	Specific Concentration Limit (SCL) Skin Sens. 1; H317: >5%

Assessment/classification

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment/classification

Based on available data, the classification criteria are not met.



Carcinogenicity

Assessment/classification

Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment/classification

Based on available data, the classification criteria are not met.

Overall Assessment on CMR properties

This product does not meet the criteria for classification in Categories 1A/1B.

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

Based on available data, the classification criteria are not met.

STOT SE 3

Irritation to respiratory tract

Practical experience/human evidence

Inhaling mists and vapours at high-temperatures may cause respiratory irritation.

Assessment/classification

Based on available data, the classification criteria are not met.

Narcotic effects

Assessment/classification

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification

Based on available data, the classification criteria are not met.

Aspiration hazard

Assessment/classification

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Other information

In case of swallowing, irritations of the gastric mucous membrane, nausea, vomiting and diarrhoea may occur.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.36878-20-3 bis(nonylphenyl)amine LC50: 101 mg/L Test duration 96 h	OECD 203	



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	Effective dose	Method,Evaluation	Source, Remark
Chronic (long-term) fish toxicity	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified NOEC > 1000 mg/L Test duration 14 d		
Acute (short-term) toxicity to crustacea	not determined		
	CAS No.36878-20-3 bis(nonylphenyl)amine EC50 101 mg/L Species Daphnia pulex (water flea) Test duration 48 h	OECD 202	
	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified EL50 > 10000 mg/L Species Daphnia pulex (water flea) Test duration 48 h	OECD 202	
Chronic (long-term) toxicity to aquatic invertebrate	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified NOEC 10 mg/L Test duration 21 d	OECD 211	
	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified NOEC 10 mg/L Species Daphnia pulex (water flea) Test duration 21 d	OECD 211	
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified NOEC 100 mg/L Species Pseudokirchneriella subcapitata (green alga) Test duration 72 h	OECD 201	
	CAS No.36878-20-3 bis(nonylphenyl)amine EC50 101 mg/L Species Pseudokirchneriella subcapitata (green alga) Test duration 72 h	OECD 201	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		



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	Effective dose	Method,Evaluation	Source, Remark
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification

Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

Product is not allowed to be discharged into the ground water or aquatic environment.
Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of waste according to applicable legislation.

Remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No



14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

not applicable

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations (EU)

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC

not applicable

15.2 Chemical Safety Assessment

National regulations

Substance safety analysis was not performed for this mixture.

SECTION 16: Other information

Indication of changes

Current safety data sheets are available at:
<https://gms.aftersales.daimlertruck.com>

Abbreviations and acronyms

See overview table at www.euphrac.eu

Key literature references and sources for data

Safety data sheets of suppliers

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified according to the available hazard data for the constituents as defined in the classification criteria for mixtures for each hazard class in Appendix I of Regulation (EC) No 1272/2008.

Additional information

Adhere to existing national and local rules referring to chemicals.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Relevant H- and EUH-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H413 May cause long lasting harmful effects to aquatic life.