

MILL BARN, MILL LANE, WRINGTON, BRISTOL, BS40 5RA

Key results

j

Flooding

Moderate

page 9 >

For information

i Infrastructure

page 16 >

i Ground stability

page 12 >

i Planning applications

page 27 >

Also searched



Contaminated land liability



Coal mining (CON29M)



Other mining (non-coal)



Radon



Planning constraints

Groundsure IQ

Based on cost, effort or time associated with next steps to case progression





ClimateIndex™ projects changes in physical and transition risks from:



Flooding



Ground stability



Coastal erosion

5 years



No risk predicted

30 years



No risk predicted

Please refer to page 5 > for details and guidance

Ref: 5415472 Your ref: 2507618 Grid ref: 347493 161884 Date: 7 July 2023



To save you time when assessing the report, we only provide maps and data tables of features we have identified to be of note.

You can view a full list of the information we have searched on page 33 >.

Site Plan



Useful contacts

North Somerset Council:
http://www.n-somerset.gov.uk/
customer.services@n-somerset.gov.uk
01934888888

Environment Agency National Customer Contact Centre (NCCC): enquiries@environment-agency.gov.uk <a href="mailto:2007.000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.00000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.000000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.0000/2007.00000/2007.0000/2007.0000/2007.0000/2007.

Avista Action Alert



Key results

These are findings that should be acknowledged and potentially addressed before completion of the transaction, and relate to identified risks that may have liability implications, affect insurance premiums, property values and/or a lender's willingness to lend.



Flooding

An elevated level of flood risk has been identified at the property.



Next steps for consideration:

- check to see if the property is eligible for the Flood Re scheme, which enables many properties at risk of flooding to be insured at reasonable rates: http://www.floodre.co.uk/homeowner/about-us/
- investigate the insurance on offer for the property to ensure any implications on premiums are fully understood before completion
- the assessment in this report is based on the highest flood risk found within the site boundary. The
 detailed maps within the flood section clearly highlight which parts of the site are affected by flooding,
 allowing you to visualise whether flood risk affects the buildings or the associated land. If you would
 prefer an assessment that provides separate flood ratings for the main dwelling and the associated
 land, Groundsure can provide this for a fee of £35 plus VAT
- if the property has recently been constructed, the flood risk assessment contained within this report will not take into account any measures put in place by the developer to deal with flooding. You should seek further information from the developer on flood risk mitigation for the site
- investigate the various forms of flood resistance and resilience measures that will help protect your property in the event of a flood

For information

These are findings to be aware of that do not necessarily require immediate action.



Ground stability

Infilled land has been found in proximity to the property which has the potential to cause ground instability. However, we have determined that these features should not cause any significant issues. A prudent purchaser may wish to conduct a visual inspection of the property, looking for any evidence of cracks and other signs of subsidence if a full structural survey is not conducted.

Natural instability features or areas of susceptibility have been found in proximity to the property which have the potential to cause ground instability. However, we have determined that these features should not cause any significant issues. A prudent purchaser may wish to conduct a visual inspection of the property, looking for any evidence of cracks and other signs of subsidence if a full structural survey is not conducted.



Energy

Wind

Existing or proposed wind installations have been identified within 10km.





Next steps for consideration:

- use the details given in the report to find out more about the potential impacts on the property
- contact the operating company and the relevant Local Authority for further information
- visit the area in order to more accurately assess the impact this wind development would have on the property

Solar

Existing or proposed solar installations have been identified within 5km of the property.

Next steps for consideration:

- use the details given in the report to find out more about the potential impacts on the property by contacting the operating company and/or Local Authority
- visit the area in order to more accurately assess the impact this solar farm would have on the property

Projects

One or more nationally significant energy infrastructure projects has been identified within 5km of the property.

Next steps for consideration:

 visit the National Infrastructure Planning website at <u>infrastructure.planninginspectorate.gov.uk/projects/</u>

 , where further details on nationally significant infrastructure projects, including environmental impact assessments, can be found





ClimateIndex™

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ClimateIndex™ physical and transition risks - Breakdown



Our ClimateIndex™ provides a climate score for your property, and projects changes in physical and transition risks from flooding, natural ground instability and coastal erosion. Climate change could have a significant medium to longer term impact on your property, which may be increasingly considered by your lender if you are arranging a mortgage. ClimateIndex™ provides ratings that indicate potential **physical risks** (loss and damage to property) and how these give rise to **transition risks** such as having a material impact on the ability to insure or mortgage the property in the medium to long term. In turn, this could affect the future resale value of the property.

You can see how these relate to the individual calculated risks in the breakdown below.

5 years

A

No risk predicted

No risk predicted

These ratings provide an overall illustration of the individual peril breakdowns below. For example, you may have three individual perils that have been flagged as presenting a moderate or high risk, and collectively they could generate a C rating due to the combined severity of risks present on the property site.

Surface water flooding	Negligible	Negligible
River flooding	Negligible	Negligible
Coastal flooding	Negligible	Negligible
Ground instability	Negligible	Negligible
Coastal erosion - defended	Negligible	Negligible
Coastal erosion - undefended	Negligible	Negligible
Coastal erosion - complex cliffs	Negligible	Negligible

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In 30 years time your property has a ClimateIndex[™] rating of A: At present, climate change has very little to no impact on this property and no further actions are necessary at this time.

See page 31 > for further details.





ClimateIndex™ transition risks

Energy Performance Certificates (EPC)

All UK properties have an EPC rating that determines how energy efficient they are. To find out the rating for this property, you can visit gov.uk's <u>Find an energy certificate</u> ✓ service. EPC certificates are valid for 10 years. These will need to be renewed when you wish to sell a property or let to a new tenant.

The EPC certificate will provide property-specific information and guidance on potential options and costs around retrofitting for energy efficiency you may wish to explore either now or at a later date.

Landlords

Currently, the Minimum Energy Efficiency Standards (MEES) requires all rented properties being let in England and Wales to have a minimum EPC rating of 'E'.

By 2028, all rental properties must have an EPC rating of at least 'C'.

The penalty for not having a valid EPC will be raised from £5,000 to £30,000 in 2028.

If the property has an EPC rating of D or E it is important that you consider required or planned retrofit costs against any anticipated equity gain.

Conversely, if energy efficiency is improved at the property through investment in recommended measures, you may be able to unlock improved rates through the increasing number of green mortgages on the market from lenders. A number are now looking at incentivising landlords to invest in energy improvement measures, including reduced or tapered rates once works have been completed. This may have a beneficial effect on the annual profitability of the rental.



ClimateIndex™ transition risks

Flood protection

Flood Re is a government-backed insurance scheme in the United Kingdom that aims to make flood insurance more affordable and available for properties at high risk of flooding. It allows insurers to pass on the flood risk element of home insurance policies to Flood Re. This enables insurers to offer more affordable premiums to homeowners in high-risk flood areas.

This only impacts properties built before January 1st 2009, as properties built after should have been built to stricter flood resistant standards.

If your property is not covered by Flood Re or if you're facing challenges in obtaining affordable insurance, demonstrating investment in flood resilience measures may improve your prospects with insurers. Flood Re has now been extended to cover small and medium-sized enterprises (SMEs), including shopkeepers and business owners who operate from residential premises.

The Flood Re scheme **concludes in 2039**, meaning affordable flood insurance may be harder to secure.

By installing flood resilience measures in your property, you can increase the likelihood of securing affordable insurance even after the Flood Re scheme ends. This, in turn, can positively impact the availability of mortgages for your property.

Reducing flood risk

Flood resistance measures aim to prevent or reduce flood damage, while **flood resilience** measures focus on adapting and recovering from flood impacts. Other measures are available and we recommend seeking advice from a flood protection specialist.

Resistence	Resistence	Resistence	Resistence
Flood doors & windows from £500	Flood barriers (garage/driveway) from £2,000	Non return valves on drains and pipes £70 to £700	Air brick covers £50 to £150
Resistence	Resilience	Resilience	Resilience





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Environmental summary



Environmental searches are designed to ensure that significant hazards and risks associated with this property are identified and considered alongside the investment in or purchase of a property. Please see the Avista Action Alert on page 2 > for further advice.



Contaminated Land

No significant concerns have been identified as a result of the contaminated land searches.



Flooding

The property and area within the site outline is at risk from one or more kinds of flooding. Property's overall risk assessment for past flooding and river, coastal, surface water and groundwater flooding is moderate. Please see page 10 > for details of the identified issues. **River and Coastal Flooding** Medium **Groundwater Flooding Negligible Surface Water Flooding** Negligible **Past Flooding** Not identified **Flood Storage Areas** Not identified

FloodScore™ insurance rating

Very Low

The rating is compiled by Ambiental, a leading flood risk analysis company. Please see page 37 >



Radon

Local levels of radon are considered normal. However, if an underground room makes up part of the accommodation, the property should be tested regardless of radon Affected Area status.

Not in a radon affected area

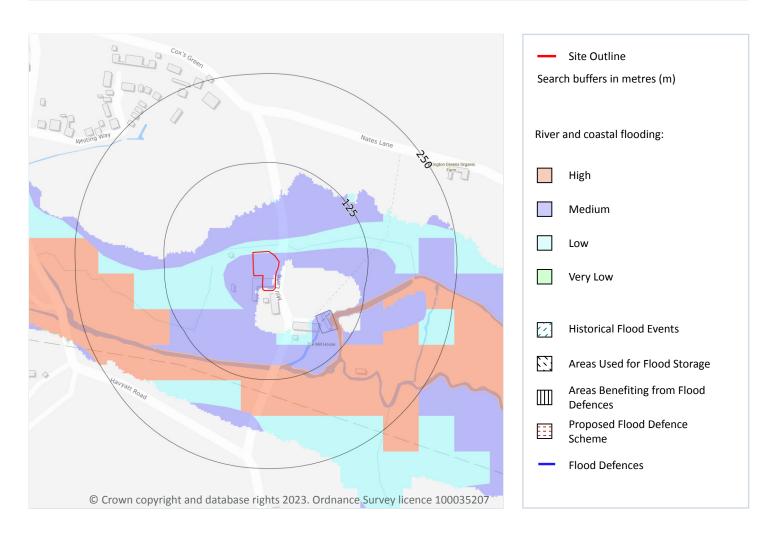


Grid ref: 347493 161884



Flooding / Risk of flooding from rivers and the sea





Risk of flooding from rivers and the sea

The property has a Medium chance of flooding in any given year, according to Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) data. This could cause problems with insuring the property against flood risk. However, if built before 2009, it may be eligible for insurance assistance from the Flood Re scheme: www.floodre.co.uk/

RoFRaS/FRAW assesses flood risk from rivers and the sea in England and Wales, using local data and expertise. It shows the chance of flooding from rivers or the sea, taking account of flood defences and the condition those defences are in. The model uses local water level and flood defence data to model flood risk. See page page 37 > for explanation of the levels of flood risk.

Please see the Avista Action Alert on page 2 > for further advice.

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





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Non-coal mining summary





Mining records

No records relating to recorded mining areas or activity have been identified in the vicinity of the site.

Mining features Not identified Not identified Mine plans **Researched mining** Not identified **BritPits** Not identified Not identified **Mineral Planning Areas** Non-coal mining areas Not identified Mining cavities Not identified Not identified **Coal mining areas Brine areas** Not identified Not identified **Gypsum** areas Not identified Tin mining areas



Historical features

Historical mapping has identified no mining features in the vicinity of the site. Non-coal mining
Coal and associated mining
Industry associated with
mining

Not identified Not identified Not identified



Geological features

No geological features indicative of mining activity or other sources of ground instability have been identified in the vicinity of the site. Artificial and made ground Mineral veins

Not identified Not identified

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Ground stability summary





Satellite monitoring

Satellite radar measurements have not detected any notable ground movement in the vicinity of the property.

SatSense Rating

Green

Ratings provided by SatSense Ltd, experts in analysis of InSAR ground movement data from satellite radar.



Natural instability

Searches of natural ground stability data have identified potential ground stability risks.

See page 13 > for details and page 3 > for recommended next steps.

Shrink-swell hazard Natural ground subsidence Landslides **Natural cavities**

Information Not identified Not identified **Coastal erosion** Not identified



Infilled land

Areas of infilled land or landfill have been identified in the vicinity of the site.

See page 14 > for details and page 3 > for recommended next steps.

Infilled land **Historical landfill sites** Information Not identified

Non-Plastic



Sinkholes

No records of sinkholes have been identified in the vicinity of the property.

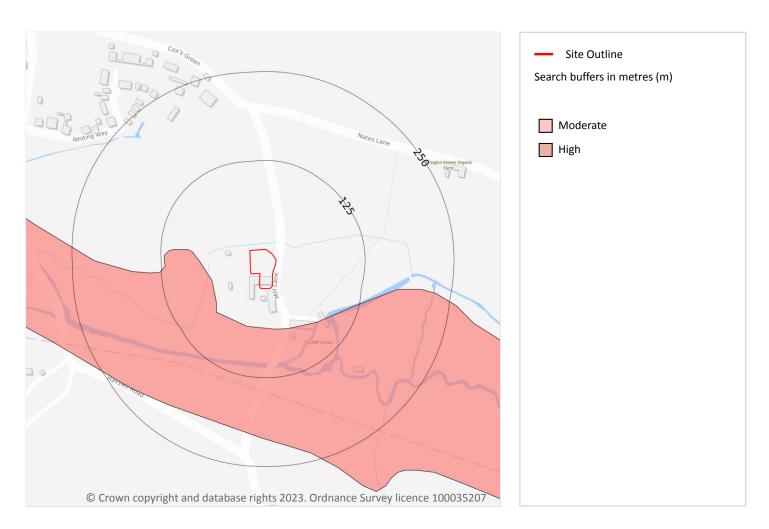
Reported recent incidents Recorded incidents (BGS) **Recorded incidents (Stantec) Historical incidents**

Not identified Not identified Not identified Not identified



Ground stability / Compressible deposits





Compressible deposits

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.

Location	Hazard rating	Details
55m S	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

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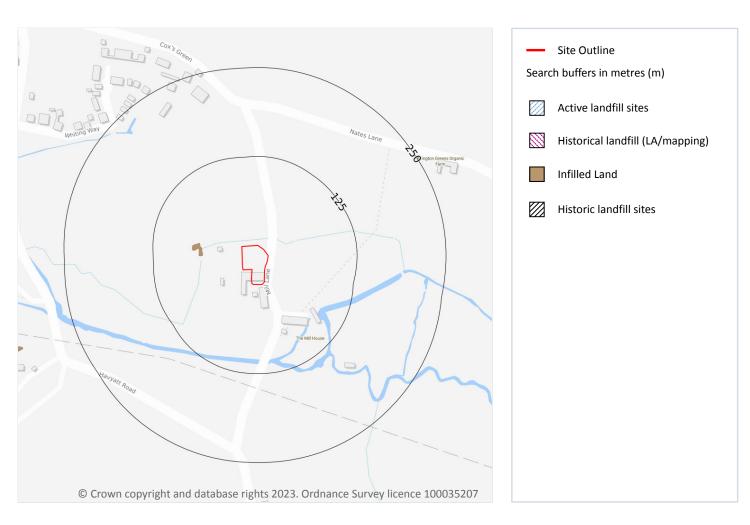
This data is sourced from the British Geological Survey.





Ground stability / Infilled land





Infilling from historical mapping

These are records of areas of land that have been potentilly infilled with unknown materials. Groundsure have identified these areas from our comprehensive collection of historical maps. Depending on the nature of the materials that have been used for infilling there is the potential for these areas to settle over time. As such, any buildings situated on these areas could be at risk from ground instability or subsidence.

Location	Year of mapping	Land Use	Mapping scale
55m W	1904	Pond	10560

This data is sourced from Groundsure.



Your ref: 2507618

Ref: 5415472 Grid ref: 347493 161884



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Transportation summary





HS2

No results for Phase 1 or Phase 2 of the HS2 project (including the 2016 amendments) have been identified within 5km of the property. However, HS2 routes are still under consultation and exact alignments may change in the future.

Visual assessments are only provided by Groundsure if the property is within 2km of Phase 1 and 2a. Other assessments may be available from HS2.

HS2 Route	Not identified
HS2 Safeguarding	Not identified
HS2 Stations	Not identified
HS2 Depots	Not identified
HS2 Noise	Not assessed
HS2 Visual impact	Not assessed



Crossrail

The property is not within 250 metres of either the Crossrail 1 or Crossrail 2 project.

Crossrail 1 Route	Not identified
Crossrail 1 Stations	Not identified
Crossrail 2 Route	Not identified
Crossrail 2 Stations	Not identified
Crossrail 2 Worksites	Not identified
Crossrail 2 Safeguarding	Not identified
Crossrail 2 Headhouse	Not identified



Other Railways

The property is not within 250 metres of any active or former railways, subway lines, DLR lines, subway stations or railway stations.

Active Railways and Tunnels
Historical Railways and
Tunnels
Railway and Tube Stations
Underground
Not identified
Not identified
Not identified



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Energy summary





Oil and gas

No historical, active or planned wells or extraction areas have been identified near the property.

Oil and gas areas
Oil and gas wells

Not identified Not identified



Wind and Solar

Our search of existing and planned renewable wind and solar infrastructure has identified results.

Please see the Avista Action Alert on <u>page 2</u> > for further advice. Additionally, see <u>page 17</u> > for details of the identified issues.

Planned Multiple Wind Identified Turbines

Planned Single Wind Turbines Identified
Existing Wind Turbines Identified
Proposed Solar Farms Identified
Existing Solar Farms Identified



Energy

Our search of major energy transmission or generation infrastructure and nationally significant infrastructure projects has identified results.

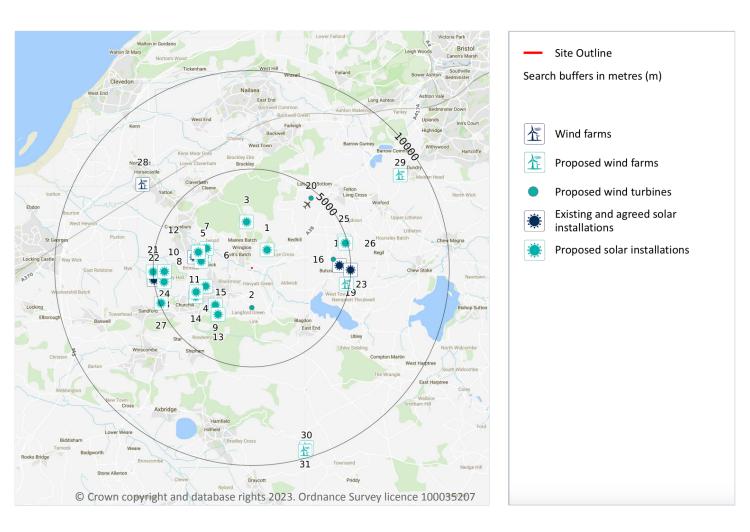
Please see the Avista Action Alert on <u>page 2</u> > for further advice. Additionally, see <u>page 25</u> > for details of the identified issues.

Power stations Energy Infrastructure Projects Not identified Identified Identified



Energy / Wind and solar





Wind farms

An active wind farm, group of turbines or individual wind turbine has been identified within 10,000m of the property. See below for details of the operating company, number of turbines, project and turbine capacity.

ID	Distance	Direction	Details	
28	6-7 km	NW	Site Name: Smart Systems (Resubmission), Arnold's Way, Yatton, South West Operator Developer: Landowner or private owner Status of Project: Consented	Type of project: Onshore Number of Turbines: 1 Turbine Capacity: 0.5MW Total project capacity: 0.5 Approximate Grid Reference: 341941, 166150

This data is sourced from the UK Wind Energy Database supplied by Renewable UK. Groundsure recommends further independent research with Renewable UK of any sites of interest to determine exact locations and details of the projects.

Contact us with any questions at:

info@groundsure.com ↗

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Proposed wind farms

A wind farm or group of turbines or individual wind turbine has been proposed within 10,000m of the property. See below for details of the operating company, number of turbines, project and turbine capacity.

Please note some planning applications identified as having been refused, may have subsequently been granted on appeal without appearing as such within this report. Additionally, please be aware that as the identified records are taken from a planning record archive, the proposals identified may have already been undertaken.

ID	Distance	Direction	Details	
23	4-5 km	Е	Site Name: Oxleaze Greenhouse Lane, Nempnett Thrubwell, Bristol, Blagdon, BS40 7UZ Planning Application Reference: 10/05272/FUL Type of Project: 2 Wind Turbines	Application Date: 2011-01-10 Planning Stage: Early Planning Detailed Plans Submitted Project Details: Scheme comprises installation of two 11kW Gaia wind turbines. Approximate Grid Reference: 352268, 161087
29	8-9 km	NE	Site Name: Land at Hill House Farm, Castle Farm Lane, Dundry, Bristol, North Somerset, Avon, BS41 8LU Planning Application Reference: 13/P/0901/F Type of Project: 2 Wind Turbines	Application Date: 2013-05-21 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of 2 x 5KW micro turbines. Approximate Grid Reference: 355009, 166620
30	9-10 km	S	Site Name: Land at, Cheddar Head Farm, Priddy, Wells, Sedgemoor, Somerset, BA5 3BU Planning Application Reference: 17/14/00101 Type of Project: 2 Wind Turbines	Application Date: 2014-10-13 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of two 10 kw wind turbines each on 15m monopole masts. Approximate Grid Reference: 350254, 152779
31	9-10 km	S	Site Name: Cheddar Head Farm, Priddy, Wells, Sedgemoor, Somerset, BA5 3BU Planning Application Reference: 17/13/00069 Type of Project: 3 Wind Turbines	Application Date: 2014-01-13 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises construction of three 10 Kw wind turbines mounted on 15m monopole masts. The associated works include sewer systems, landscaping, infrastructure, enabling and access roads. Approximate Grid Reference: 350254, 152779

This information is derived from planning data supplied by Glenigan, in some cases with further accuracy applied by Groundsure's experts. This search includes planning applications for wind farms with multiple turbines within 10,000m of the property. This data is updated on a quarterly basis.

If the existence of a planning application, passed or refused may have a material impact with regard to the decision to purchase the property, Groundsure recommends independent, thorough enquiries are made with the Local Authority. If any applications have been identified within this report, Groundsure have included the planning reference to enable further enquiries to be made.







Proposed wind turbines

Planning applications for individual wind turbines have been proposed within 5,000m of the property. See below for details of the operating company, number of turbines, project and turbine capacity.

Please note some planning applications identified as having been refused may have subsequently been granted on appeal without appearing as such within this report. Additionally, please be aware that as the identified records are taken from a planning record archive, the proposals identified may have already been undertaken.

ID	Distance	Direction	Details	
2	1-2 km	S	Site Name: Grovelands, Langford Lane, Langford, Bristol, North Somerset, Avon, BS40 5DF Planning Application Reference: 06/P/2807/F Type of Project: House & Wind Turbine	Application Date: 2006-11-22 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises conversion of garage into granny annexe with balcony to south elevation, construction of a single storey rear extension to main house, 10 rooflights and 3 solar panels and a detached Approximate Grid Reference: 347468, 159901
16	4-5 km	E	Site Name: Land at Windover, Yewtree Batch, Butcombe, Bristol, North Somerset, Avon, BS40 7XQ Planning Application Reference: 13/P/1560/F Type of Project: Wind Turbine	Application Date: 2013-08-20 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises construction of a microgeneration wind turbine with a tower hub of 24.6m and blade diameter of 19.2m. Approximate Grid Reference: 351626, 162349
20	4-5 km	NE	Site Name: Bristol Airport, North Side Road Off A38, Bristol, Wrington, BS48 3DY Planning Application Reference: 10/P/0674/F Type of Project: Wind Turbine	Application Date: 2010-04-12 Planning Stage: Early Planning Detailed Plans Submitted Project Details: Scheme comprises installation of a 20 metre high wind turbine. Approximate Grid Reference: 350492, 165443

This information is derived from planning data supplied by Glenigan, in some cases with further accuracy applied by Groundsure's experts. This search includes planning applications for single wind turbines only, within 5,000m of the property. This data is updated on a quarterly basis.

If the existence of a planning application, passed or refused, may have a material impact with regard to the decision to purchase the property, Groundsure recommends independent, thorough enquiries are made with the Local Authority. If any applications have been identified within this report, Groundsure have included the planning reference to enable further enquiries to be made.



Existing and agreed solar installations

There is an operational or planned solar photovoltaic farm or smaller installation located near the property.

Please note this will not include small domestic solar installations. See below for details on installed capacity, operating company and the status of the project on a given date.

ID	Distance	Direction	Address	Details	
5	2-3 km	W	Iwood Lane Solar Farm, Fields off Stock Lane and Iwood Lane, near Congresbury, BS40 5AA	Contractor: Wessex Solar Energy LPA Name: North Somerset Council Capacity (MW): 8	Application Date: 12/12/2013 Pre Consent Status: Operational Post Consent Status: Operational Date Commenced: 19/12/2014
11	2-3 km	W	Twin Elm Solar Farm, Twin Elm Farm off Stock Lane Congresbury, BS49 5JL	Contractor: - LPA Name: North Somerset Council Capacity (MW): 1	Application Date: 19/03/2012 Pre Consent Status: Operational Post Consent Status: Operational Date Commenced: 25/07/2012
17	4-5 km	E	Green Lane, Nempnett Thrubwell - Solar Farm, Parcel 0038, Green Lane, Nempnett Thrubwell, , BS40 7UY	Contractor: GS Vogt LPA Name: Baith & North East Somerset Council Capacity (MW): 9.1	Application Date: 02/02/2022 Pre Consent Status: Planning Application Submitted Post Consent Status: Application Submitted Date Commenced: -
19	4-5 km	E	Howgrove Farm, Parcel 2900, Greenhouse Lane, Nempnett Thrubwell, Bristol, BS40 7UY	Contractor: Green Switch Solutions LPA Name: Bath and North East Somerset Council Capacity (MW): 4.7	Application Date: 22/09/2014 Pre Consent Status: Appeal Refused Post Consent Status: Application Refused Date Commenced: -
22	4-5 km	W	Congresbury Solar Farm, Carditch Drove, Honeyhall Lane, Congresbury, Bristol, North Somerset, BS49 5JX	Contractor: FIM Solar Distribution LPA Name: North Somerset Council Capacity (MW): 7.1	Application Date: 19/06/2014 Pre Consent Status: Operational Post Consent Status: Operational Date Commenced: 19/12/2015

The solar installation data is supplied by the Department for Business, Energy & Industrial Strategy and is updated on a monthly basis.

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info@groundsure.com ↗

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Your ref: 2507618 **Grid ref**: 347493 161884



Proposed solar installations

There is a planning permission application relating to a solar farm or smaller installation near to the property.

Please note this will not include small domestic solar installations and that one site may have multiple applications for different aspects of their design and operation. Also note that the presence of an application for planning permission is not an indication of permission having been granted. Please be aware that as the identified records are taken from a planning record archive, the proposals identified may have already been undertaken. See below for details of the proposals.

ID	Distance	Direction	Address	Details	
1	1-2 km	NE	Land at Barley Wood Stables, long Lane, Wrington, BS40 5SA	Applicant name: Green Energy UK Direct Ltd Application Status: Request for formal screening opinion Application Date: 24/06/2013 Application Number: 13/P/1054/EIA1	Screening Opinion as to whether a full Environmental Impact Assessment is required to be submitted with a planning application for a solar farm. THIS IS NOT A PLANNING APPLICATION
3	2-3 km	N	Uplands, Wrington Hill, Wrington, North Somerset, BS40 5PL	Applicant name: Mr Toby Ballard Application Status: Full Application Application Date: 16/09/2021 Application Number: 21/P/2471/FUL	Installation of ground level 30 panel PV array to provide photovoltaic energy
4	2-3 km	W	Land north of Jubilee Lane, Langford, Churchill, Bristol, BS40 5EJ	Applicant name: Green Energy UK Direct Ltd Application Status: Request for formal screening opinion Application Date: 01/08/2013 Application Number: 13/P/1430/EIA1	Request for a screening opinion for the requirement for an Environmental Impact Assessment to develop a 2MW PV Solar Farm
6	2-3 km	W	Land north of Electricity substation off Stock Lane and Iwood Lane, Congresbury	Applicant name: Mr. Frank Dekker Application Status: Non Material amendment Application Date: 03/09/2014 Application Number: 14/P/1887/NMA	Non Material Amendment to planning approval 13/P/2382/F (Large scale major development for a Solar PV array Park to produce up to 8 megawatts of electricity from ground mounted panels (max 3m high), 1no control building, 8no inverter buildings and to incl



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ID	Distance	Direction	Address	Details	
7	2-3 km	W	Land North Of Electricity Substation Off Stock Lane And Iwood Lane, Congresbury, BS40 5AA	Applicant name: Heulwen Solar Limited Application Status: Registered Application Date: 02/03/2021 Application Number: 21/P/0615/FUL	Application to vary condition 7 (length of planning permission) attached to planning permission 13/P/2382/F (Large scale major development for a Solar PV array Park to produce up to 8 megawatts of electricity from ground mounted panels (max 3m high), 1no control building, 8no inverter buildings and to include a maintenance track with access off Stock Lane and Iwood Lane, security fencing and landscaping to preserve disused railway line and footpath crossing the site) to allow a 15 year extension to planning permission from 14/05/39 (25 years from date of planning consent) to 14/05/54 (40 years from date of planning consent)
8	2-3 km	W	Land North Of Electricity Substation Off Stock Lane And Iwood Lane, Congresbury	Applicant name: Wessex Solar Energy Application Status: Full Planning Permission Application Date: 12/12/2013 Application Number: 13/P/2382/F	Large scale major development for a Solar PV array Park to produce up to 8 megawatts of electricity from ground mounted panels (max 3m high), 1no control building, 8no inverter buildings and to include a maintenance track with access off Stock Lane and lw
9	2-3 km	SW	Land at Fenswood Farm, Says Lane, Langford, Churchill, BS40 5DZ	Applicant name: Green Energy UK Direct Ltd Application Status: Request for formal screening opinion Application Date: 04/11/2013 Application Number: 13/P/2086/EIA1	Screening opinion as to whether an Environmental Impact Assessment is required to be submitted with a planning application for a solar farm. THIS NOT A PLANNING APPLICATION.



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ID	Distance	Direction	Address	Details	
10	2-3 km	W	Twin Elm Farm off Stock Lane Congresbury BS49 5JL	Applicant name: Adala Solar Limited Application Status: Non material amendment Application Date: 21/01/2015 Application Number: 15/P/0203/NMA	Non material amendment to 12/P/0490/F (Installation and operation of a solar farm) to allow the following retrospective changes to the approved plan: reconfiguration of solar panel layout; reduction in height of solar panel array; installation of securi
12	2-3 km	W	Twin Elm Farm off Stock Lane Congresbury BS49 5JL	Applicant name: Lightsource Renewable Limited Application Status: Full planning permission Application Date: 19/03/2012 Application Number: 12/P/0490/F	Installation and operation of a solar farm
13	2-3 km	SW	Yew Tree Barn Bath Road, Langford, BS40 5DL	Applicant name: Mr & Mrs D Seabright Application Status: Full Planning Permission Application Date: 14/10/2013 Application Number: 13/P/1925/F	Installation of a 10no. panel photovoltaic system
14	3-4 km	SW	Churchill Park Farm Ladymead Lane Langford Churchill BS40 5ED	Applicant name: Green Energy UK Direct Ltd Application Status: Request for formal screening opinion Application Date: 01/08/2013 Application Number: 13/P/1434/EIA1	Request for screening opinion as to requirement for an Environmental Impact Assessment for 2MW solar farm
15	3-4 km	SW	Churchill Park Farm, Ladymead Lane, Langford,Churchill, BS40 5ED	Applicant name: Green Energy UK Direct Ltd Application Status: Request for formal screening opinion Application Date: 24/05/2014 Application Number: 14/P/1101/EIA1	Screening opinion as to whether an Environmental Impact Assessment is required to be submitted with a planning application for a proposed solar farm. THIS IS NOT A PLANNING APPLICATION.
18	4-5 km	W	Land to south west of Carditch Drove off Honeyhall Lane Congresbury BS49 5JX	Applicant name: TGC Renewables Limited Application Status: Request for formal screening opinion Application Date: 18/09/2013 Application Number: 13/P/1736/EIA1	Screening opinion as to whether anEnvironmental Impact Assessment is required to be submitted with a planning application for a proposed solar farm development. THIS NOT A PLANNING APPLICATION.



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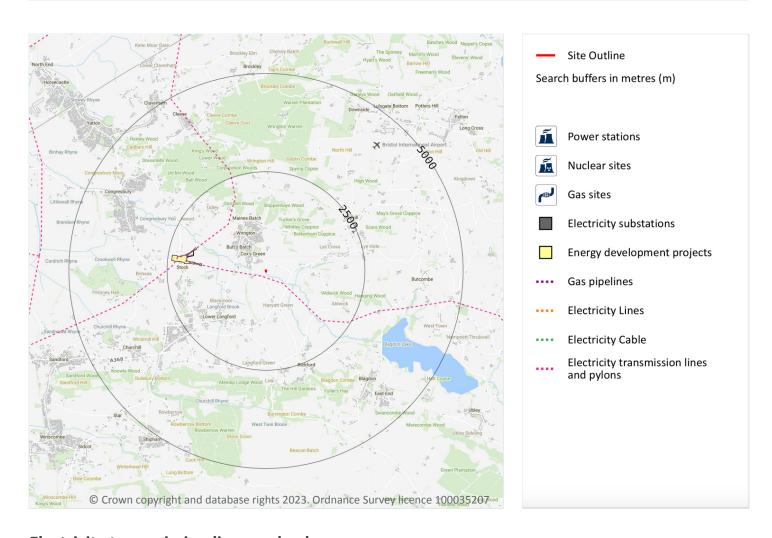
ID	Distance	Direction	Address	Details	
21	4-5 km	W	Land to south west of Carditch Drove off Honeyhall Lane Congresbury BS49 5JX	Applicant name: TGC Renewables Ltd Application Status: Full Planning Permission Application Date: 19/06/2014 Application Number: 14/P/1319/F	Installation of solar farm and associated development
24	4-5 km	W	Land to South west of Carditch Drove off Honeyhall Lane, Congresbury, BS49 5JX	Applicant name: PS RenewablesMr F Dekker C/O Agent Application Status: Non Material amendment Application Date: 26/02/2016 Application Number: 16/P/0553/NMA	Non-material amendment to 14/P/1319/F (Installation of solar farm and associated development) to change the perimeter fencing to provide deer fencing
25	4-5 km	E	Howgrove Farm, Howgrove Hill Lane, Nempnett Thrubwell, Bristol, Bath And North East Somerset, BS40 7UY	Applicant name: Wardell Armstrong Llp Application Status: Pending Consideration Application Date: 11/06/2021 Application Number: 21/02861/SCREEN	Request for formal Screening Opinion in relation to a proposed 9.1MW solar farm at Howgrove Farm, Nempnet Thrubwell, Somerset
26	4-5 km	E	Parcel 0038, Green Lane, Nempnett Thrubwell, Bristol, Bath And North East Somerset	Applicant name: Gs Vogt Application Status: Pending Consideration Application Date: 02/02/2022 Application Number: 22/00364/FUL	Installation of solar farm with associated infrastructure, hard and soft landscaping and means of access.
27	4-5 km	W	Green Oak Barn, Churchill Green, Churchill, North Somerset, BS25 5QH	Applicant name: Mr Simon Heaven Application Status: Registered Application Date: 26/07/2021 Application Number: 21/P/2141/FUL	Erection of a free-standing solar PV generator consisting of 24no. solar panels in two rows of 12, supported on galvanised steel frames and foundations, with associated inverter, switchgear and electrical cabling.

The data is sourced from public registers of planning information and is updated every two weeks.



Energy / Energy infrastructure





Electricity transmission lines and pylons

The nearest overhead transmission lines and/or pylon is located 136m from the property.

Overhead power transmission lines are known to emit electromagnetic fields (EMF). For further information on issues associated with transmission lines you may wish to contact the EMF Unit Public Information Line on 0845 7023270 or visit www.emfs.info \mathred{\textit{Z}}\$. Guidance on electromagnetic fields resulting from transmission and distribution lines can also be found on the Public Health England (PHE) website.

This data is sourced from the National Grid. Groundsure provide the data for information only and do not make any judgment on the risks or otherwise of EMFs. However, if the existence of overhead power transmission may have a material impact with regard to the decision to purchase the property, Groundsure recommends contacting these organisations.







Large Energy Projects

Large scale energy generation or transmission infrastructure has been proposed on or near to the property. Plans have been submitted to the Planning Inspectorate (formerly known as the Infrastructure Planning Commission). See below for details of what is proposed.

Distance	Direction	Details	Summary
1-2 km	W	Operator: National Grid Site Name: Hinkley Point C Connection Stage: Granted	National Grid Overhead Lines connector

The information for this search is taken from a range of publicly available datasets. If the existence of a large scale infrastructure project may have a material impact with regard to the decision to purchase the property, Groundsure recommends making independent, thorough enquiries, starting with the National Infrastructure Planning website - <u>infrastructure.planninginspectorate.gov.uk/projects/</u> \nearrow .

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Planning summary





Planning Applications

Using Local Authority planning information supplied and processed by Glenigan dating back 10 years, this information is designed to help you understand possible changes to the area around the property. Please note that even successful applications may not have been constructed and new applications for a site can be made if a previous one has failed. We advise that you use this information in conjunction with a visit to the property and seek further expert advice if you are concerned or considering development yourself.

4 Large Developments searched to 750m

Please see <u>page 28</u> > for details of the proposed developments.

5 Small Developments searched to 500m

Please see <u>page 29</u> > for details of the proposed developments.

House extensions or new builds searched to 250m

Please see <u>page 30</u> > for details of the proposed developments.

Please note the links for planning records were extracted at the time the application was submitted therefore some links may no longer work. In these cases, the application details can be found by entering the application reference manually into the Authority's planning website.

In order to understand this planning data better together with its limitations you should read the full detailed limitations on page 39 >.



Planning constraints

No protected areas have been identified within 50 metres of the property. Protected areas include nature reserves and other conservation areas.

Environmental Protected Areas Not identified Visual and Cultural Protected Not identified Areas



Telecoms

There are no mobile masts, mobile phone base stations or planning applications for mobile masts identified within 250 metres of the property.

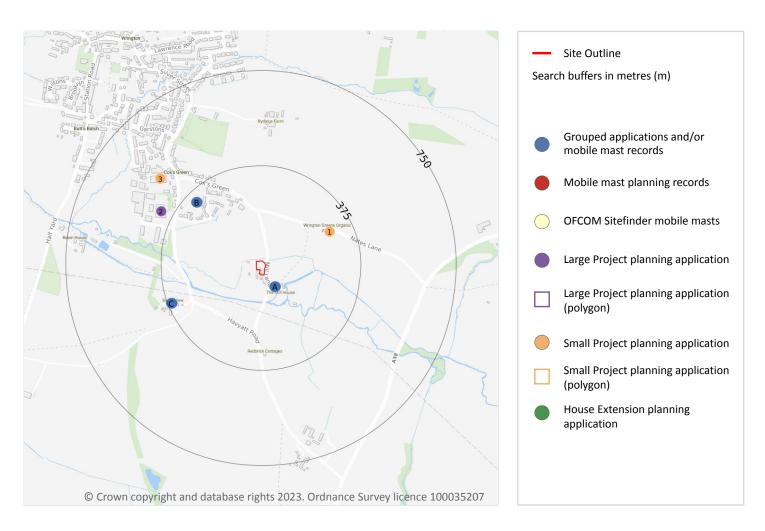
Mobile phone masts

Not identified



Planning Applications





Large projects searched to 750m

4 large developments within 750m from the property have been submitted for planning permission during the last ten years. Large developments are considered to be residential builds of 10 or more houses (or 1-9 units if value is greater than £1 million) and all other projects with a value of £250,000 or more. Please see below for details of the proposed developments.

ID	Details	Description	Online record
ID: B Distance: 330 m Direction: NW	Application reference: 18/P/2691/RM Application date: 21/03/2018 Council: North Somerset Accuracy: Proximity	Address: Land at, Coxs Green, Wrington, Bristol, Avon, BS40 5NL Project: 59 Homes Last known status: Approval has been granted for reserved matters.	<u>Link</u> ⊅

Contact us with any questions at:

info@groundsure.com ↗

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ID	Details	Description	Online record
ID: B Distance: 330 m Direction: NW	Application reference: 17/P/0485/O Application date: 23/02/2017 Council: North Somerset Accuracy: Proximity	Address: Land at, Coxs Green, Wrington, Bristol, Avon, BS40 5NL Project: 59 Homes Last known status: Approval has been granted for reserved matters.	Link 7
ID: B Distance: 330 m Direction: NW	Application reference: 16/P/1291/O Application date: 23/05/2016 Council: North Somerset Accuracy: Proximity	Address: Land at, Coxs Green, Wrington, Bristol, Avon, BS40 5NL Project: 59 Homes Last known status: Approval has been granted for reserved matters.	Link 7
ID: 2 Distance: 424 m Direction: NW	Application reference: 16/P/0691/EIA1 Application date: 11/03/2016 Council: North Somerset Accuracy: Proximity	Address: Coxs Green, Wrington, Bristol, Avon, BS40 5 Project: 83 Residential Units Last known status: A planning application has yet to be submitted.	<u>Link</u> ⊅

Small projects searched to 500m

5 small developments within 500m from the property have been submitted for planning permission during the last ten years. Small developments are considered to be residential builds of 3-9 houses or other developments with a project value of less than £250,000. Please see below for details of the proposed developments.

ID	Details	Description	Online record
ID: 1 Distance: 282 m Direction: NE	Application reference: 22/P/0426/FUL Application date: 18/02/2022 Council: North Somerset Accuracy: Proximity	Address: Paradise Barns, Nates Lane, Wrington, Bristol, Avon, BS40 5RS Project: Agricultural Building Last known status: Detailed plans have been granted.	<u>Link</u> ⊅
ID: B Distance: 330 m Direction: NW	Application reference: 18/P/2692/RM Application date: 21/03/2018 Council: North Somerset Accuracy: Proximity	Address: Land At, Coxs Green, Wrington, Bristol, Avon, BS40 5QU Project: Landscaping Works Last known status: Approval has been granted for reserved matters.	<u>Link</u> ⊅
ID: C Distance: 362 m Direction: W	Application reference: 21/P/2899/FUL Application date: 15/10/2021 Council: North Somerset Accuracy: Proximity	Address: West End, Havyatt Road, Wrington, Bristol, Avon, BS40 5QY Project: Vehicular Access Last known status: The application for detail approval has been withdrawn.	<u>Link</u> ⊅
ID: C Distance: 386 m Direction: SW	Application reference: 21/P/1125/FUL Application date: 21/05/2021 Council: North Somerset Accuracy: Proximity	Address: Land South West Of The Barn, Havyatt Road, Wrington, Bristol, Avon, BS40 5QY Project: Agricultural Building Last known status: Detailed plans have been granted.	<u>Link</u> ⊅

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ID	Details	Description	Online record
ID: 3 Distance: 498 Direction: NV		Address: Land at, Coxs Green, Wrington, Bristol, Avon, BS40 5QR Project: Attenuation Basin Last known status: Detailed plans have been granted.	<u>Link</u> ⊅

House extensions and small new builds searched to 250m

2 house extensions and small new builds within 250m from the property have been submitted for planning permission during the last ten years.

ID	Details	Description	Online record
ID: A Distance: 65 m Direction: SE	Application reference: 21/P/2239/FUH Application date: 03/08/2021 Council: North Somerset Accuracy: Exact	Address: Mill Cottage, Mill Lane, Wrington, Bristol, Avon, South West, BS40 5RA Project: House (Extension) Last known status: Detailed plans have been granted.	<u>Link</u> ⊅
ID: A Distance: 65 m Direction: SE	Application reference: 16/P/2675/F Application date: 07/11/2016 Council: North Somerset Accuracy: Exact	Address: Mill Farm Cottage, Mill Lane, Wrington, Bristol, Avon, South West, BS40 5RA Project: 2 Storey Side Extension Last known status: An application has been submitted for detailed approval.	<u>Link</u> ⊅



Climate change / Flood risk (5 and 30 Years)

Ambiental's FloodScore™ Climate data provides flood risk information from river, tidal and surface water flooding for a range of future time periods and emissions scenarios (Low emissions - RCP 2.6, medium and most likely emissions - RCP 4.5, and high emission - RCP 8.5). The temperature increases shown for each scenario are predicted increases by 2081-2100. The models are based on the UK Climate Projections 2018 (UKCP18). It is plausible that climate change will increase the severity and frequency of flood events in the future. FloodScore™ Climate has been designed to provide banks, building societies and insurers with future flood risk information for their long-term assets. The data within this report is based on the highest risk found within a buffer zone around the buildings. The 'Year' in the table represents the median of the date range used for each modelled timeframe.

Temp increase range	Year	Combined flood risk	River flooding	Coastal flooding	Surface water flooding
RCP 2.6 0.9-2.3°C	2027	Negligible	Negligible	Negligible	Negligible
RCP 2.6 0.9-2.3°C	2055	Negligible	Negligible	Negligible	Negligible
Temp increase range	Year	Combined flood risk	River flooding	Coastal flooding	Surface water flooding
RCP 4.5 1.7-3.2°C	2027	Negligible	Negligible	Negligible	Negligible
RCP 4.5 1.7-3.2°C	2055	Negligible	Negligible	Negligible	Negligible
Temp increase range	Year	Combined flood risk	River flooding	Coastal flooding	Surface water flooding
RCP 8.5 3.2-5.4°C	2027	Negligible	Negligible	Negligible	Negligible
RCP 8.5 3.2-5.4°C	2055	Negligible	Negligible	Negligible	Negligible

This data is sourced from Ambiental Risk Analytics.

Climate change / Natural ground instability (5 and 30 Years)

This data shows the increase in shrink swell subsidence hazards as a result of climate change. When certain soils take in water they can swell, causing heave. Conversely, when these soils dry out they can shrink and cause subsidence. Climate change will result in higher temperature and therefore likely cause periods of drought and an increase in shrink swell subsidence. This data has been produced using the Met Office local projections to accurately model predicted rainfall, it is only available for RCP8.5 (the 'worst case' climate scenario).

Temp increase range	Year	Wet scenario	Average rainfail	Dry scenario
RCP 8.5 3.2-5.4°C	2030s	Highly unlikely	Highly unlikely	Highly unlikely
RCP 8.5 3.2-5.4°C	2050s	Highly unlikely	Highly unlikely	Highly unlikely





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This data is sourced from the British Geological Survey.

Grid ref: 347493 161884



Datasets searched

This is a full list of the data searched in this report. If we have found results of note we will state "Identified". If no results of note are found, we will state "Not identified". Our intelligent filtering will hide "Not identified" sections to speed up your workflow.

Contaminated Land	
Former industrial land use (1:10,560 and 1:10,000 scale)	Not identified
Former tanks	Not identified
Former energy features	Not identified
Former petrol stations	Not identified
Former garages	Not identified
Former military land	Not identified
Former landfill (from Local Authority and historical mapping records)	Not identified
Waste site no longer in use	Not identified
Active or recent landfill	Not identified
Former landfill (from Environment Agency Records)	Not identified
Active or recent licensed waste sites	Not identified
Recent industrial land uses	Not identified
Current or recent petrol stations	Not identified
Hazardous substance storage/usage	Not identified
Sites designated as Contaminated Land	Not identified
Historical licensed industrial activities	Not identified
Current or recent licensed industrial activities	Not identified
Local Authority licensed pollutant release	Not identified
Pollutant release to surface waters	Not identified
Pollutant release to public sewer	Not identified
Dangerous industrial substances (D.S.I. List 1)	Not identified

Contaminated Land	
Dangerous industrial substances (D.S.I. List 2)	Not identified
Pollution incidents	Not identified
Flooding	
Risk of flooding from rivers and the sea	Identified
Flood storage areas: part of floodplain	Not identified
Historical flood areas	Not identified
Areas benefiting from flood defences	Not identified
Flood defences	Not identified
Proposed flood defences	Not identified
Surface water flood risk	Not identified
Groundwater flooding	Not identified
Radon	
Radon	Not identified
Mining features	
Mine entries	Not identified
Mineralised veins	Not identified
Surface workings	Not identified
Surface features	Not identified
Underground mine workings	Not identified
Reported subsidence	Not identified
Mine waste tips	Not identified
Secured features	Not identified



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Mining features		Natural instability		
Licence boundaries	Not identified	Shrink-swell clays		
Researched mining	Not identified	Landslides		
Mining Record Office plans	Not identified	National landslide database		
BGS mine plans	Not identified	Running sands		
Mining vaccude		Compressible deposits		
Mining records		Collapsible deposits		
BritPits	Not identified	Dissolution of soluble rocks		
Mineral Planning Areas	Not identified	- Natural cavities		
Non-coal mining areas	Not identified			
Mining cavities	Not identified	Coastal Erosion		
Coal mining areas	Not identified	Complex cliffs		
Brine areas	Not identified	Projections with intervention measures in		
Gypsum areas	Not identified	place	_	
in mining areas	Not identified	Projections with no active intervention	_	
Historical Features		Complex cliffs		
		Projections with intervention measures in place		
Non-coal mining	Not identified	Projections with no active intervention		
oal and associated mining	Not identified			
dustry associated with mining	Not identified	Infilled land		
eological features		Infilling from historical mapping		
rtificial and made ground (10k)	Not identified	Active landfill sites		
inear features - mineral veins (10k)	Not identified	Historical landfill (from Environment Agency records)		
Artificial and made ground (50k)	Not identified	Historical landfill (from Local Authority		
Linear features - mineral veins (50k)	Not identified	and historical mapping records)		
Satellite monitoring		Sinkholes		
Satellite monitoring	Not identified	Reported recent incidents		
		Recorded incidents (BGS)	_	
Natural instability		Recorded incidents (Stantec)		
Property shrink-swell assessment	Not identified	Historical incidents		





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Transportation	
HS2 route: nearest centre point of track	Not identified
HS2 route: nearest overground section	Not identified
HS2 surface safeguarding	Not identified
HS2 subsurface safeguarding	Not identified
HS2 Homeowner Payment Zone	Not identified
HS2 Extended Homeowner Protection Zone	Not identified
HS2 stations	Not identified
HS2 depots	Not identified
HS2 noise and visual assessment	Not identified
Crossrail 1 route	Not identified
Crossrail 1 stations	Not identified
Crossrail 2 route	Not identified
Crossrail 2 stations	Not identified
Crossrail 2 worksites	Not identified
Crossrail 2 headhouses	Not identified
Crossrail 2 safeguarding area	Not identified
Active railways	Not identified
Railway tunnels	Not identified
Active railway stations	Not identified
Historical railway infrastructure	Not identified
Abandoned railways	Not identified
London Underground and DLR lines	Not identified
London Underground and DLR stations	Not identified
Underground	Not identified
Underground stations	Not identified
Oil and gas	
Oil or gas drilling well	Not identified

Oil and gas	
Proposed oil or gas drilling well	Not identified
Licensed blocks	Not identified
Potential future exploration areas	Not identified
Wind and solar	
Wind farms	Identified
Proposed wind farms	Identified
Proposed wind turbines	Identified
Existing and agreed solar installations	Identified
Proposed solar installations	Identified
Energy	
Electricity transmission lines and pylons	Identified
National Grid energy infrastructure	Not identified
Power stations	Not identified
Nuclear installations	Not identified
Large Energy Projects	Identified
Planning	
Large projects searched to 750m	Identified
Small projects searched to 500m	Identified
House extensions and small new builds searched to 250m	Identified
Mobile phone masts	Not identified
Mobile phone masts planning records	Not identified
Planning constraints	
Sites of Special Scientific Interest	Not identified
Internationally important wetland sites (Ramsar Sites)	Not identified



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Planning constraints	
Special Protection Areas (for birds)	Not identified
National Nature Reserves	Not identified
Local Nature Reserves	Not identified
Designated Ancient Woodland	Not identified
Green Belt	Not identified
World Heritage Sites	Not identified
Areas of Outstanding Natural Beauty	Not identified
National Parks	Not identified
Conservation Areas	Not identified
Listed Buildings	Not identified
Certificates of Immunity from Listing	Not identified
Scheduled Monuments	Not identified
Registered Parks and Gardens	Not identified
Climate change	
Flood risk (5 and 30 Years)	Identified
Natural ground instability (5 and 30 Years)	Identified





Contaminated land liability assessment methodology

As part of this report Groundsure provide a professional assessment of the risks posed by key environmental information which could lead to the property being designated as 'Contaminated Land' as defined under Part 2A of the Environmental Protection Act 1990. This assessment is based on the following data:

- historical land use (compiled from 1:10,000 and 1:10,560 maps)
- petrol stations, garages, energy features and tanks (compiled from 1:1,250 and 1:2,500 maps) for selected areas.
- historic military / ordnance sites
- landfill and waste transfer/treatment or disposal sites (including scrap yards)
- current and recent industrial uses (as defined by PointX data)
- Catalist petrol station
- Part A(1), Part A(2) and Part B Authorisations
- sites determined as Contaminated Land under Part 2A EPA 1990
- Planning Hazardous Substance Consents
- Environment Agency Recorded Pollution Incidents
- Dangerous Substances Inventory Releases (DSI)
- Red List Discharge Consent

The level of risk associated with the property is either Passed or Action Required. If the report result is Action Required it does not necessarily mean that the site is unsuitable for purchase, but only that further assessment of the risk associated with the site is required.

Method Statement

In assessing specific site risk, Groundsure follows principles used extensively throughout the environmental consultancy sector. Our system looks at the potential for specific industries to have generated residual contamination and for this contamination to remain at a site, or to have migrated to neighbouring sites. Sites are scored based on this system and if a site scores highly it indicates a high level of risk.

Limitations of the Study

This report has been prepared with the assumption that the site is in residential use and that no significant (re)development is planned. The screening process reviews historical mapping and a range of current databases. The historical land use database reviewed for this study does NOT include 1:2,500 or 1:1,250 scale maps except for Groundsure's additional information database of selected features namely tanks, energy features, petrol filling stations and garages. This additional information database covers the majority of the UK, but not all. Where 1:2500 or 1:1250 scale maps are utilised all relevant and available map epochs to Groundsure are used. Additionally, this review does NOT include specific enquiries to the Local Authority who may hold additional information and it does NOT include a site visit/inspection. Your attention is drawn to the Terms and Conditions of Groundsure Limited under which this service is provided.

Flood information

The Flood Risk Assessment section is based on datasets covering a variety of different flooding types. No inspection of the property or of the surrounding area has been undertaken by Groundsure or the data providers. The modelling of flood hazards is extremely complex and in creating a national dataset certain assumptions have been made and all such datasets will have limitations. These datasets should be used to give an indication of relative flood risk rather than a definitive answer. Local actions and minor variations, such as blocked drains or streams etc. can greatly alter the effect of flooding. A low or negligible modelled flood risk does not guarantee that flooding will not occur. Nor will a high risk mean that flooding definitely will occur. Groundsure's overall flood risk assessment takes account of the cumulative risk of river and coastal data, historic flood events and areas benefiting from flood defences provided by the Environment Agency/Natural Resources Wales (in England and Wales) and surface water (pluvial) and groundwater flooding provided by Ambiental Risk Analytics. In Scotland the river and coastal flood models are also provided by Ambiental Risk Analytics.





Risk of flooding from rivers and the sea

This is an assessment of flood risk for England and Wales produced using local data and expertise, provided by the Environment Agency (RoFRaS model) and Natural Resources Wales (FRAW model). It shows the chance of flooding from rivers or the sea presented in categories taking account of flood defences and the condition those defences are in. The model uses local water level and flood defence data to model flood risk.

The categories associated with the Environment Agency and Natural Resources Wales models are as follows:

RoFRaS (rivers and sea) and FRAW (rivers):

Very Low - The chance of flooding from rivers or the sea is considered to be less than 1 in 1000 (0.1%) in any given year.

Low - The chance of flooding from rivers or the sea is considered to be less than 1 in 100 (1%) but greater than or equal to 1 in 1000 (0.1%) in any given year.

Medium - The chance of flooding from rivers or the sea is considered to be less than 1 in 30 (3.3%) but greater than 1 in 100 (1%) in

High - The chance of flooding from rivers or the sea is considered to be greater than or equal to 1 in 30 (3.3%) in any given year.

FRAW (sea):

Very Low - The chance of flooding from the sea is considered to be less than 1 in 1000 (0.1%) in any given year.

Low - The chance of flooding from the sea is considered to be less than 1 in 200 (0.5%) but greater than or equal to 1 in 1000 (0.1%) in any given year.

Medium - The chance of flooding from the sea is considered to be less than 1 in 30 (3.3%) but greater than 1 in 200 (0.5%) in any given year.

High - The chance of flooding from the sea is considered to be greater than or equal to 1 in 30 (3.3%) in any given year.

Historic flood events

Over 86,000 events are recorded within this database. This data is used to understand where flooding has occurred in the past and provides details as available. Absence of a historic flood event for an area does not mean that the area has never flooded, but only that Environment Agency/Natural Resources Wales do not currently have records of flooding within the area. Equally, a record of a flood footprint in previous years does not mean that an area will flood again, and this information does not take account of flood management schemes and improved flood defences.

Surface water flooding

Ambiental Risk Analytics surface water flood map identifies areas likely to flood following extreme rainfall events, i.e. land naturally vulnerable to surface water or "pluvial" flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1000 year rainfall events. The flood risks for these rainfall events are reported where the depth would be greater than the threshold for a standard property to modern building standards. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though older ones may even flood in a 1 in 5 year rainstorm event.

Proposed flood defences

The data includes all Environment Agency/Natural Resources Wales's projects over £100K that will change or sustain the standards of flood defence in England and Wales over the next 5 years. It also includes the equivalent schemes for all Local Authority and Internal Drainage Boards.

Flood storage areas

Flood Storage Areas may also act as flood defences. A flood storage area may also be referred to as a balancing reservoir, storage basin or balancing pond. Its purpose is to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel. It may also delay the timing of a flood peak so that its volume is discharged over a longer time interval. These areas are also referred to as Zone 3b or 'the functional floodplain' and has a 5% or greater chance of flooding in any given year, or is designed to flood in the event of an extreme (0.1%) flood or another probability which may be agreed between the Local Planning Authority and Environment Agency/Natural Resources Wales, including water conveyance routes. Development within Flood Storage Areas is severely restricted.

Groundwater flooding



Ref: 5415472 Your ref: 2507618



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Groundwater flooding is flooding caused by unusually high groundwater levels. It occurs as excess water emerging at the ground surface or within underground structures such as basements. Groundwater flooding tends to be more persistent than surface water flooding, in some cases lasting for weeks or months, and it can result in significant damage to property. This risk assessment is based on a 5m Digital Terrain Model (DTM) and 1 in 100 year and 1 in 250 year return periods.

Ambiental FloodScore[™] insurance rating

The property has been rated as Very Low risk.

Ambiental's FloodScore™ risk rating gives an indicative assessment of the potential insurance risk classification from flooding, which can provide an indication of how likely it is that a property's policy will be ceded to Flood Re. The assessment is based on Ambiental's river, tidal and surface water flood data and other factors which some insurers may use in their assessment are not included.

Flood Re is a re-insurance scheme that makes flood cover more widely available and affordable as part of your residential property home insurance. Properties at higher risk of flooding may have the flood part of their policy ceded to Flood Re by their insurer. It is important to understand that Flood Re does not apply to all situations. Exclusions from Flood Re includes properties constructed after 1 January 2009; properties not within domestic Council Tax bands A to H (or equivalent); commercial properties, certain buy to let scenarios and buildings comprising four or more residential units. A full list of the exemptions can be found on the Flood Re website (https://www.floodre.co.uk/can-flood-re-help-me/eligibility-criteria/) 7.

The Ambiental FloodScore™ insurance rating is classified into six different bandings:

Very High indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a very high possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, particularly if the property has flooded in the past.

High indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a high possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, particularly if the property has flooded in the past.

Moderate-High indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a moderate possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, particularly if the property has flooded in the past.

Moderate indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a low possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, unless the property has flooded in the past.

Low indicates a level of risk that is likely to mean standard cover and premiums are available for flood cover. There is a low possibility the cover for flooding at the property will be ceded into the Flood Re scheme, unless the property has flooded in the past.

Very Low indicates a level of flood risk that should not have any impact on the provision of flood cover for the property.

Planning data limitations

The planning applications section of this report contains data provided under licence from Glenigan, who are widely recognised in the industry as the market leaders in the collection and distribution of planning information in the UK. Glenigan collects on average 4,000 planning applications per day. As such, neither Groundsure or Glenigan are able to check the accuracy of the information that has been submitted by the applicant. All application information is based on the information submitted at the time of application and due to the volumes and the automated processes involved it is not possible to undertake additional checks to confirm its accuracy. As with any dataset of this size and complexity there are limitations, which are highlighted below.

The planning section in our report is fully automated and Groundsure does not undertake visits to the Local Authority or manually search for planning records against other sources as this would be cost-prohibitive to most clients. With each report, Glenigan provides Groundsure with the location detail for each planning application, which is then published within our report. The method for deriving the location detail depends on the type of planning application.

The location of applications are represented in this report as single points for house extensions and small new builds, small developments and points or polygons for large developments. If an application associated with a small development is shown on the map as a polygon it is because it was once classified as a large development and has since been downgraded. The location of





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applications is derived from either the grid references provided by the applicant on the planning application form or by address finding software using the site address. If the application is represented by a point, it may not represent the nearest border of the development and may fall outside of the development boundary. If the application is represented by a polygon, we only map the outer extents of proposed developments. Some developments are comprised of multiple areas and in these cases we will show all polygons on the map but only label the one closest to the property. The information contained within this report should be used in conjunction with a visit to the relevant local authority's website to determine the exact location of the development, determine any possible distinctions within the development area, and how this may impact the subject property.

Groundsure has incorporated a dynamic search radius to ensure the most relevant data is presented. This variable search distance is based on House of Commons Library data which categorises areas according to the size of the settlement. Groundsure has distilled these into three core categories. These categories are mega urban, urban and rural and the following search distances apply:

- Mega urban: 250m for large developments, 75m for small developments and 50m for house extensions and small new builds
- Urban: 500m for large developments, 125m for small developments and 50m for house extensions and small new builds
- Rural: 750m for large development, 500m for small development and 250m for house extensions and small new builds

Please note, the search radius assigned to this property is detailed within the planning section of the report.

Due to differing methodologies adopted by Local Authorities, some planning applications identified as having been refused may have subsequently been granted on appeal without appearing as such within this report. As such, if any refused applications are identified within this report, or should the existence or absence of a planning application, consent or similar have a material impact with regard to the decision to purchase a property, the client or beneficiary should make independent thorough enquiries of the Local Authority. Groundsure has excluded certain records of the publicly available data from this report which may have created duplications of reference to the same application. This includes, but is not limited to, data relating to applications such as amendments or variations of planning applications, discharge of conditions, or other associated applications. The report does not contain information on Lawful Development Certificates, Permitted Developments, Prior Approvals, Tree Preservation Orders, and other applications that are considered minor in terms of the level of construction. Additionally, an area of land may be identified for development within the local authority development plan, but for which no formal planning application exists. As such these are not included within the search.

Groundsure provides a web link to individual planning records in this report, but over time Local Authorities may have altered their website structure or record storage and so not all links may still be active. In the case of broken links, customers can use the planning application reference to search the Local Authority planning website manually. Due to data collection methods and processing time, there may be a period of up to 10 days between the application being published on the local authority website and appearing within the Groundsure report.

It is important to note the terms and conditions under which the report was sold, and in particular, whilst Groundsure makes every effort to ensure that data is sourced from reliable providers, it is unable to guarantee that the information is accurate, complete or up to date. Groundsure shall not be liable for any losses or damages incurred by the client or beneficiary, including but not limited to any losses or damages that arise as a result of any error, omission or inaccuracy in any part of the Groundsure Materials where such part is based on any Third Party Content or any reasonable interpretation of Third Party Content. We recommend checking the contents of the TA6 Property Information Form completed by the seller to determine if any planning applications were revealed. If they were not and you believe this should have been included we recommend discussing this with your conveyancer.

Conservation Area data limitations

Please note the Conservation Area data is provided by Historic England and individual Local Authorities. Due to different methodologies used by different Local Authorities the data may be incomplete. We recommend reviewing your local search for confirmation.





Underground data limitations

This database was created by Groundsure using publicly available open data and data from OpenStreetMap. The data is not provided by or endorsed by Transport for London (TfL) and minor differences between TfL's official data and Groundsure's data may occur in relation to the London Underground. Please note that the London Underground, Merseyrail, and Tyne and Wear Metro operate both underground and above ground.

Subsidence data limitations

The natural ground subsidence assessment is based on the British Geological Survey's GeoSure data. GeoSure is a natural ground stability hazard susceptibility dataset, based on the characteristics of the underlying geology, rather than an assessment of risk. A hazard is defined as a potentially damaging event or phenomenon, where as a risk is defined as the likelihood of the hazard impacting people, property or capital. The GeoSure dataset consists of six data layers for each type of natural ground subsidence hazard. These are shrink-swell clay, landslide, compressible ground, collapsible ground, dissolution of soluble rock and running sand. Each hazard is then provided with a rating on is potential to cause natural ground subsidence. This rating goes from A-E, with A being the lowest hazard, E being the highest. Groundsure represent full GeoSure data as either Negligible (ratings of A), Very Low (ratings of B), Low (C), Moderate (D) or High (E). Where GeoSure Basic is instead used, ratings are displayed as Negligible-Very Low (A or B ratings), Low (C) or Moderate-High (D or E). The GeoSure data only takes into account the geological characteristics at a site. It does not take into account any additional factors such as the characteristics of buildings, local vegetation including trees or seasonal changes in the soil moisture content which can be related to local factors such as rainfall and local drainage. These factors should be considered as part of a structural survey of the property carried out by a competent structural surveyor. For more information on the "typical safe distance" trees should be from a property please see this guide:

www.abi.org.uk/globalassets/sitecore/files/documents/publications/public/migrated/home/protecting-your-home-from-subsidence-damage.pdf publications/public/migrated/home/protecting-your-home-from-subsidence-damage.pdf publications/public/migrated/home/protecting-your-home-from-subsidence-damage.pdf publications/public/migrated/home/protecting-your-home-from-subsidence-damage.pdf <a href="mailto:publications/p

ClimateIndex™ data and limitations

Groundsure's ClimateIndex™ is an assessment of the physical risk to the property from hazards which may be exacerbated by climate change. It considers the following hazards only:

- River flooding
- Flooding from the sea and tidal waters
- Surface water flooding
- Shrink swell subsidence
- Coastal erosion

These hazards are assessed using a weighted sum model, which allows for the consistent comparison of hazards between different time periods, emissions scenarios and the relative severity of predicted impacts. All flood and subsidence impacts have been produced using the latest UKCP18 climate prediction models. Assessments are provided for the short term (c.5 years) and medium term (c.30 years) only. A range of Representative Concentration Pathways (RCPs)

have been used depending on the source dataset and its derivation. For example, flood data has been provided for RCP2.6, 4.5 and 8.5, whereas subsidence data has been derived using local projections only available for RCP8.5. Each RCP variance has been assigned an appropriate weighting in the calculator to reflect the relative likelihood of that scenario and where a full range of RCP scenarios is not available Groundsure have extrapolated to give equivalent values.

The banding applied to a property reflects its current and future risk from the hazards identified above. If a property's banding does not change from the present day to the medium term, the property's risk profile is not considered likely to be affected by climate change, though risks may still be present. Any increase in the banding of a property indicates that the property has the potential to be affected by climate change.





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figures have been calculated based on an assessment of residential

properties only.

Band	Description	Short term (c.5 year)	Medium term (c.30 year)
Α	No risks of concern predicted	76%	75%
В	Minor risks e.g. low level surface water flooding	15%	15%
С	Minor to moderate risks e.g. river flood event above property threshold	4%	4%
D	Moderate risks e.g. above threshold flood events and significant increase in subsidence potential	2%	2%
Е	Significant risks e.g. multiple flood risks above property threshold	2%	2%
F	Severe risks to property e.g. coastal erosion risk	1%	2%
		Approximate percentage of properties falling into each band. The	

Mining information

Non-coal mining assessment

This mining search has been compiled from the archive information held by Groundsure. As with all historic mining records, there is no guarantee or assurance of reliability or accuracy of these records. Not all mining activities were recorded or are publically available. Groundsure can't be held responsible for any omissions or errors in the information upon which our interpretation has been based.

Historical mining records vary in document age, reliability, reproduction, quality of the original record, the reason to produce the original document, the skill of the original surveyor and the accuracy of the available surveying equipment at the time of production. It must be accepted that the information is subject to interpretation. Alternative interpretations may be possible.

In any area, sporadic, un-surveyed and ancient mine workings can exist, and unrecorded mine workings or mineralised veins can never be ruled out. Groundsure cannot be held responsible for any settlement or subsidence associated with unrecorded mining features, or from mining plans that are not publically available.

If the property or site is subject to future development we recommend that the ownership of the minerals below the site's surface is established. This detail may be sought from a legal adviser or via the Land Registry. You can then assess whether there is a possibility of any proposed development disturbing or trespassing upon any minerals in third party ownership at the site.

In addition, a mining site investigation may be required to satisfy planning or building regulation conditions. Contact Groundsure for further advice.

Coal Authority data

This report contains Data provided by the Coal Authority. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure Limited 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 Limited prior to any re-use. Due to data collection methods and processing time, there may be a period of up to 1 week between the Coal Authority updating their data and it appearing within the Groundsure report.





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Satellite monitoring

SatSense produces countrywide ground movement products based on satellite radar data. For property movement products in the UK we use data from the ESA Sentinel-1 satellite constellation, which has a resolution of 4 by 14 metres. This means that the smallest objects we can detect are the size of a large shed, and we often get multiple measurement points over individual houses. We receive a new radar image every six days, and data collection started in 2015 (although initially, acquisition frequency was lower). This means we have 250+ measurements in time everywhere in the UK. By analysing this long time history using a technique known as InSAR, we can detect long-term movements as low as 1 mm/yr, which is far below movement levels expected to cause property damage.

What is InSAR?

Interferometric Synthetic Aperture Radar (InSAR) is a processing technique that uses the difference between radar images to detect ground movements with high precision. Two (or more) radar images are overlaid such that they match exactly, and the radar measurements for every matching pixel in the images are differenced. The phase information from this difference is then used to extract ground movement for every pixel. SatSense processes all available data over the United Kingdom.

Why can't we measure everywhere?

A limitation of InSAR is that it relies on consistent radar returns from the reflecting surface (buildings, fields, woodland). While some types of surfaces, like buildings, bridges and bare ground are naturally very consistent, ground cover like dense vegetation and fast-growing crops inherently can vary rapidly over time and therefore interfere with the radar measurement. During our processing, we detect which points provide usable measurements, and which points have had too much interference. This means coverage is variable; dense in urban areas, but much more sparse in rural areas.

Why do we need risk indices?

The SatSense ground movement product measures a wide range of ground movements, from long-term, large regional signals to event level movement of individual points. Not all movements have the same damage potential for buildings. Compare an entire town that is subsiding due to groundwater variations to a single building subsiding due to local instability. Buildings in the subsiding town are all moving at very similar rates, meaning there is little to no relative movement between them. This makes the potential for damage much lower than the individual building moving with respect to its neighbours.

To differentiate between different types of movements, we've developed a way to extract different types of movements that are potentially damaging to property. This information is captured by the SatSense risk indices. These risk indices are described below:

- Property This shows any long-term differential movement of the property with respect to its immediate surroundings, in other
 words, very localised movements. Examples of processes that could flag up this risk index would be trees affecting the nearby
 water table, local ground instability and small scale nearby building work.
- Surrounds Focuses on slightly larger scale movements, how is the street or estate moving with respect to the wider area.
 Examples of processes that could flag up this risk index are tunnelling, large scale nearby building work and groundwater extraction.
- Local Area Our widest scale index, showing how a town/neighbourhood as a whole is moving. This index is normally flagged up
 due to the presence of large scale historic mining or large scale groundwater extraction. Due to the wide area and the limited
 potential for damage likely to be associated with this type of movement, this index will only indicate amber or green, never red.
- Gradient Looks for bending over medium spatial scales. This index will flag up properties that might not be moving much themselves but are being affected by movements in the vicinity.
- Acceleration Looks at the recent changes in movements, flagging up properties that might not have historically been moving, but have recently seen an increase. It also provides information on whether properties that have moved historically continue to move, or whether the movement is decreasing.
- Range Looks at the amplitude of movement over time. This will highlight periodic (seasonal) movements, and event style movements like sinkholes.

National Coastal Erosion Risk Mapping (NCERM)

The National Coastal Erosion Risk Mapping (2018-2021) shows the coastal baseline. This baseline is split to 'frontages'. These are defined as lengths of the coast with consistent characteristics based on the cliff behaviour characteristics and the defence characteristics. It is intended as an up-to-date and reliable benchmark dataset showing erosion extents and rates for three periods:





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- Short Term (0 − 20yr);
- Medium Term (20 50yr); and
- Long Term (50 100yr).

For the 5th, 50th and 95th percentile confidence levels (degrees of certainty, where 95th percentile equates to 95% certainty) for:

- No Active Intervention Policy Scenario; and
- With the implementation of Shoreline Management Plan (SMP) 2 Policies.

Defence type and SMP policies for each of the three periods described above are included.

The data and associated information is intended for guidance - it cannot provide details for individual properties. The NCERM information considers the predominant risk at the coast, although flooding and erosion processes are often linked, and data on the erosion of foreshore features are, in general, not included.

The data describes the upper and lower estimates of erosion risk at a particular location, within which the actual location of the coastline is expected to lie. The data does not estimate the absolute location of the future coastline. Details of geologically complex areas, known as "complex cliffs" are, in general, not included within the estimates of erosion risk due to the inherent uncertainties associated with predicting the timing and extent of erosion at these locations.

This dataset succeeds National Coastal Erosion Risk Mapping (NCERM) - National (2012 - 2017) Attribution statement: © Environment Agency copyright and/or database right

BGS Property Shrink Swell Assessment

This dataset uses OS Open Maps building polygons to derive its assessment. These are often representative of more than one building and so the score assigned is representative of the highest risk found within the connected building units e.g. a pair of semi-detached properties or a terraced row. The baseline mapping used to derive the assessment will be updated at least annually.

The assessment does not cover any man-made hazards and is based on, and limited to the input datasets including OS Open Buildings, Office for National Statistics data, Bluesky Tree Map and BGS GeoSure shrink-swell. An indication of natural ground instability related to shrink—swell does not necessarily mean that a location will definitely be affected by ground movement or subsidence. Such an assessment can only be made by inspection of the area by a qualified professional.





Conveyancing Information Executive and our terms & conditions

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This search has been produced by Groundsure Ltd, Nile House, Nile Street, Brighton, BN1 1HW. Tel: 01273 257 755. Email: info@groundsure.com ↗. Groundsure adheres to the Conveyancing Information Executive Standards.

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- Compliance with the Conveyancing Information Executive Standards will be a condition within the Conveyancing Information Executive Member's Terms and Conditions.
- Conveyancing Information Executive Members will promote the benefits of and deliver the Search to the agreed standards and in the best interests of the customer and associated parties.

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If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure.

If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Standards.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs.

COMPLAINTS PROCEDURE: If you want to make a complaint, we will:

- acknowledge it within 5 working days of receipt
- normally deal with it fully and provide a final response, in writing, within 20 working days of receipt
- liaise, at your request, with anyone acting formally on your behalf

Complaints should be sent to:

Operations Director, Groundsure Ltd, Nile House, Nile Street, Brighton, BN1 1HW. Tel: 01273 257 755. Email: info@groundsure.com ✓ If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk ↗ We will co-operate fully with the Ombudsman during an investigation and comply with their final decision.

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

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Contact us with any questions at:

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