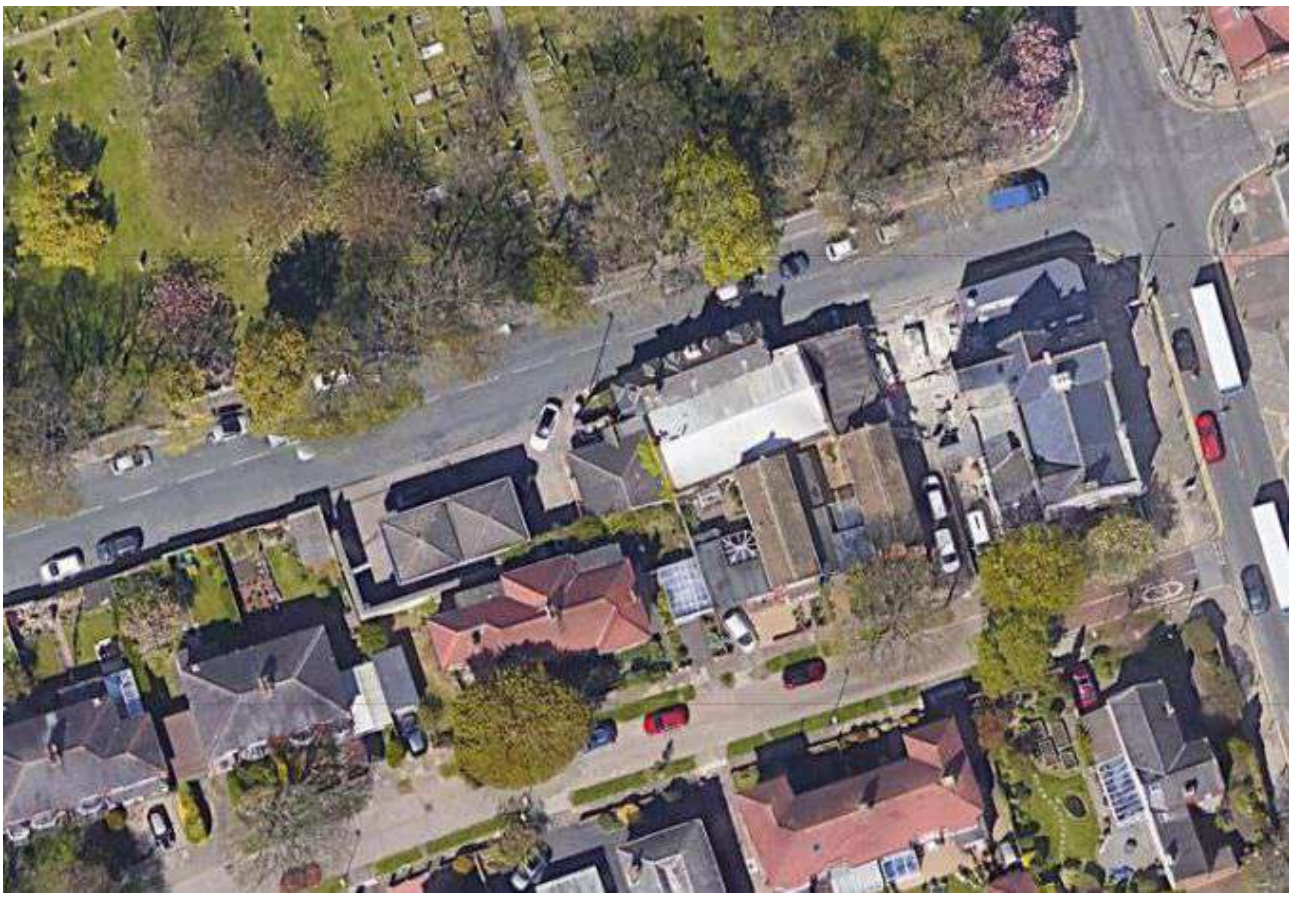
Moor Lane Service Station, Harton, South Shields

subadra consulting
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COAL MINING RISK ASSESSMENT REPORT



Report Prepared By:

[redacted]

Alex Akeroyd

Report Reviewed By:

[redacted]

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List of Attachments

Attachment One: Notice to Interested Parties
Attachment Two: Coal Mining Report

1 Introduction

1.1 The Purpose and Scope of This Assessment

The site is located at 8-12 Moor Lane in Harton and is to be redeveloped by SRJ Energy Ltd (SRJ Energy) for on-going use as a retail filling station, by combining the existing filling station and adjacent vacant vehicle repair / sales property. The scheme comprises the removal of all above and below ground structures and construction of a new shop, canopy and replacement of the below ground petroleum infrastructure (i.e. Fuel tanks and pipework etc).

We understand that our client has applied to South Tyneside Council for the proposed redevelopment (Planning Application ST/0140/24/FUL). A decision notice has not been made available review at the time of this report, but we understand that a Coal Mining Risk Assessment is required for the site, as it lies within a Development High Risk Area with respect to potential shallow coal mine workings.

We have therefore been commissioned by SRJ Energy to carry out a Coal Mining Risk Assessment Report for the site, in order to provide the Local Planning Authority with information on coal mining and an assessment of its impact on potential land stability.

Our assessment of the site was carried out in the following parts:

- Present a desk-based review of all available information on the coal mining issues which are relevant to the site;
- Use that information to identify and assess the risks to the proposed development from coal mining legacy, including the cumulative impact of issues;
- If required, set out appropriate mitigation measures to address the coal mining legacy issues affecting the site, including any necessary remedial works and/or demonstrate how coal mining issues have influenced the proposed development;
- Demonstrate to the Local Planning Authority that the application site is, or can be made, safe and stable to meet the requirements of national planning policy with regard to development on unstable land.

The findings and opinions in this review are based upon information obtained from the sources outlined above. Information obtained from third parties has been accepted at face value, however we do not guarantee its authenticity. Where practicable the information provided was confirmed from a secondary source such as the review of available municipal records.

All the activities comprising this assessment were carried out in accordance with the procedures set out in our Quality Manual.

Your attention is drawn to the Notice to Interested Parties included as Attachment One.

1.2 Previous Reports Relating to the Site

As part of our assessment we have reviewed the report listed in the following table.

Our Ref.	Report Title	Prepared By	Prepared on Behalf of	Date of Issue	Report Reference
Ref.1	Phase One Environmental Assessment	Subadra Consulting Ltd	SRJ Energy Limited	March 2025	IN16489 CL 002
We have used information from this document, where relevant, in other sections of this report.					

Table One: Previous Environmental Reports Relating to the Site

2 Site Details

2.1 Site Description, Location and Setting

Site Description	The site comprises an operational retail filling station with a single-storey shop building and a petroleum forecourt with canopy (western portion of the site), as well as an adjacent vacant vehicle showroom / workshop (eastern portion of the site). The site is relatively flat, with no pronounced slope.		
Grid Reference	437570 564910	Location	The site is located in a mixed residential and commercial area of Harton in South Shields, Tyne and Wear.
Elevation	26m AOD		
Size (approx)	~0.07ha		

Table Two: Site Location and Setting

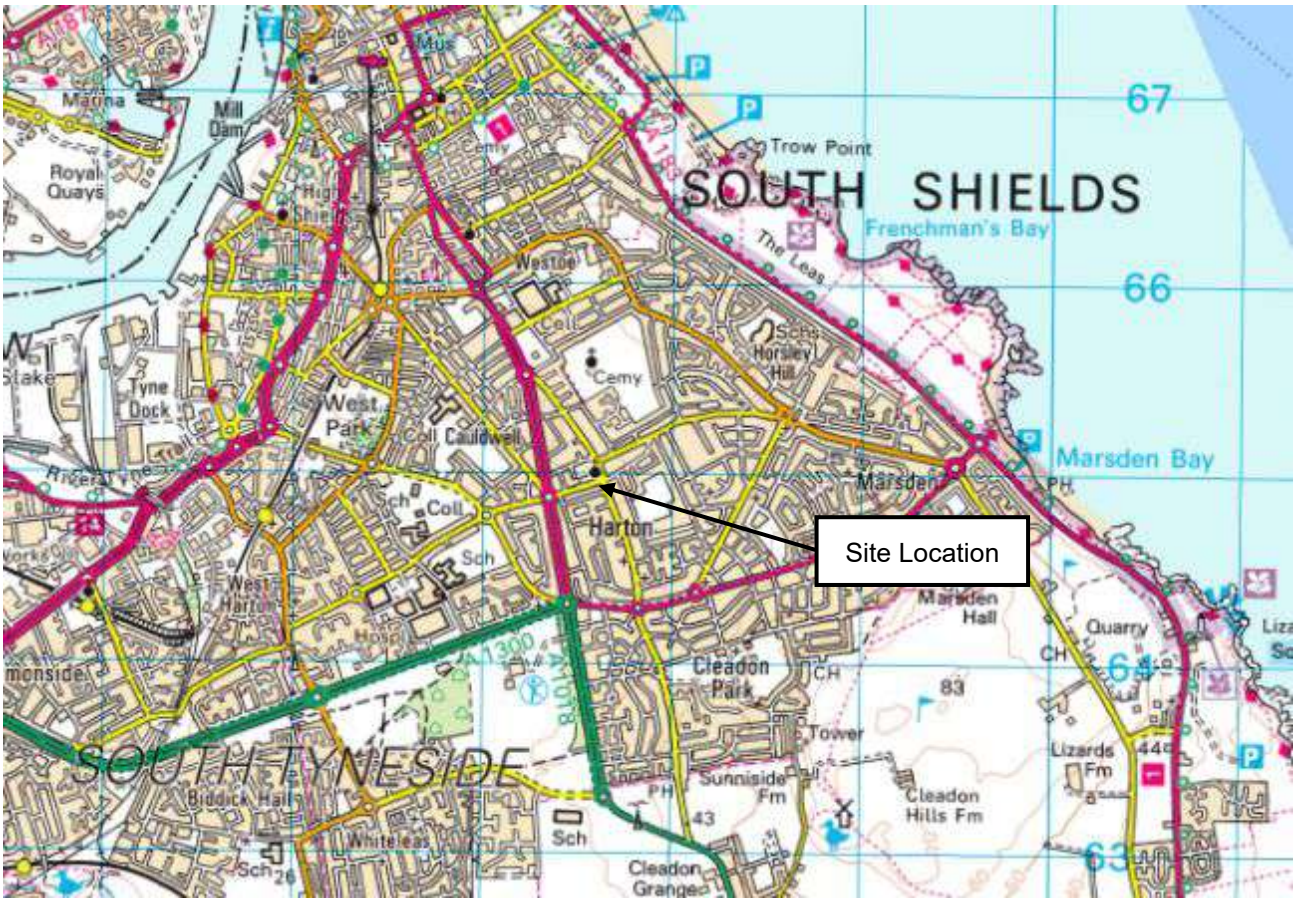


Figure One: Site Location Map

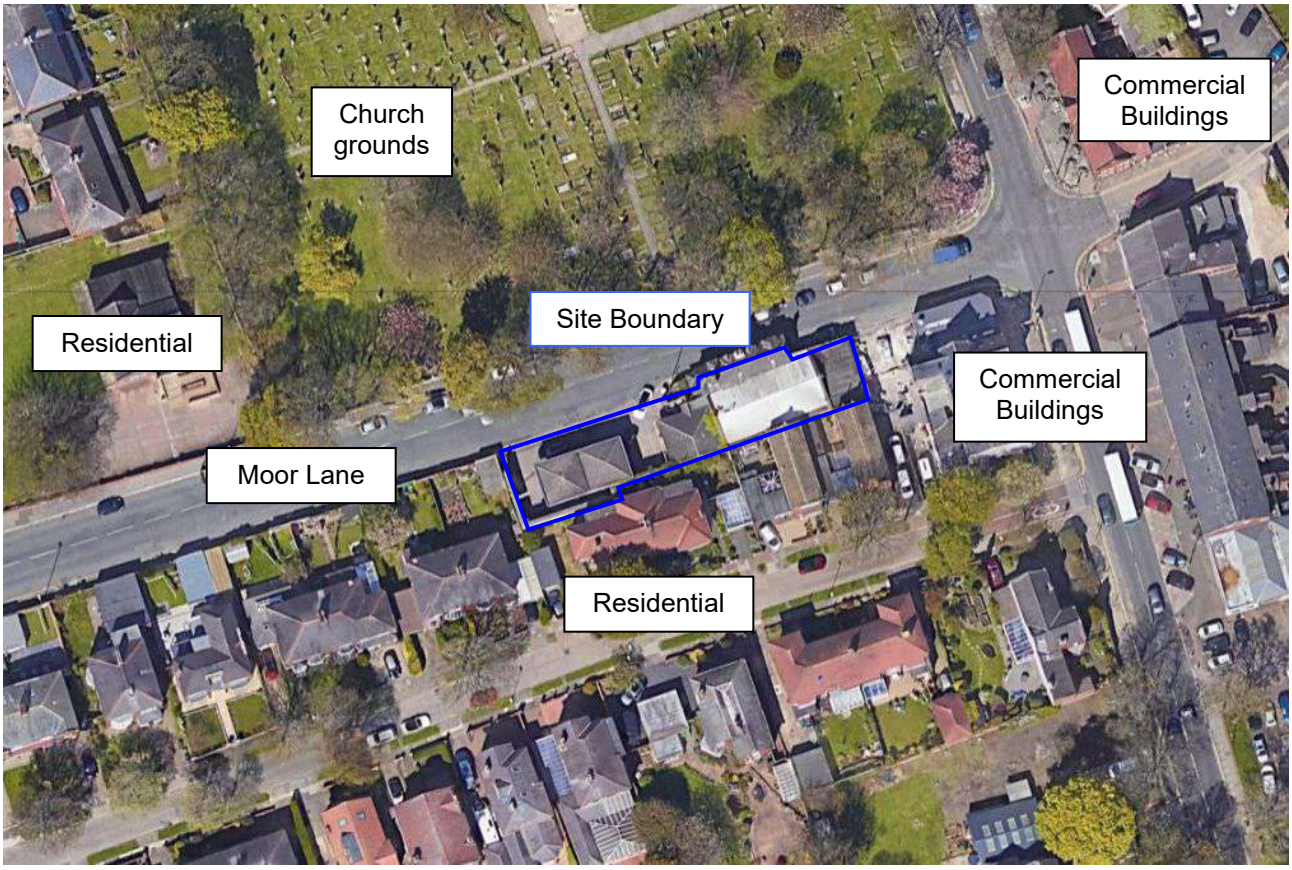


Figure Two: Aerial Photograph Showing Site Layout

Direction	Details
North	St Peter's Church with cemetery across Moor Lane (20m), beyond this, there are residential dwellings (130m).
East	Commercial buildings including a dry cleaners with residential property on upper levels (20m). Additional commercial buildings across Sunderland Road (50m).
South	Residential dwellings, situated on Moor Avenue (<5m). Beyond these, there are more residential dwellings (30m).
West	Residential dwellings, situated on Moor Avenue (<5m). Beyond these, there are more residential dwellings (20m).

Table Three: Surrounding Land Use

2.2 Review of Existing Desk-based Information

We have carried out a review of the existing report (Ref. 1), as well as any relevant publicly available information, to provide basic information about the site and it's environs.

Item	Data		
Regional Geology	Drift	Devensian Till - Diamicton [present at site location and locally]	Brown sand with beds of brown silty clay or brown and grey brown gritty stony clay.
		Pelaw Clay Member [Shown directly to the west, likely to overlie the Till]	Red brown to dark brown silty clay containing well dispersed pebbles and cobbles and small, shaped calcareous concretions.
	Solid	Yellow Sand Formation [likely to be present at site location, but absent to west]	Medium and fine-grained, cross-stratified, yellow sand or sandstone
		Pennine Middle Coal Measures Formation [shown as being present beneath the Yellow Sand]	Interbedded grey mudstone, siltstone, pale grey sandstone and commonly coal seams
Nearest BGS Record	BGS borehole log NZ36NE1125 located 130m to the north describes the geology as comprising ~0.5m of Made Ground over clay to 1.7m (glacial drift) over sand (Yellow Sand) to termination depth at 5m. No coal measures were detected in this borehole.		
Regional Hydrogeology	Drift	Devensian Till - Secondary Aquifer (Undifferentiated) Pelaw Clay Member - Unproductive Strata	
	Solid	Yellow Sand Formation - Principal Aquifer Pennine Middle Coal Measures Formation - Secondary Aquifer (Class A)	
Hydrology	No significant features identified within 1km of the site.		
Abstractions	None identified within 1km of the site.		
Site History	From 1897 to 1940s - shown developed with residential properties. From 1950s to present day - garage / filling station activities.		
Nearest Landfill	The Environment Agency records show that there are no current or past landfill sites within 250m of the site.		
Flood Risk Zone	Zone 1 - An area where flooding from rivers and the sea is very unlikely. There is less than a 0.1 per cent (1 in 1,000) chance of flooding occurring each year. The majority of England and Wales falls within this area.		
Radon Risk	The site is located in an area where the National Radiological Protection Board has determined that 1-3% of houses are affected by radon. This places the site in a medium risk area for radon. Current Building Regulations do not require any radon protective measures be included in the construction of new buildings or extensions.		

Table Four: Review of Desk-top Information

2.3 Details of the Proposed Development

2.3.1 Development Plans and Planning

Proposed Developments	We understand that our client proposes to redevelop the site by combining the existing retail filling station and vacant vehicle sales property for use as a larger retail filling station. The scheme comprises the removal of all above and below ground structures and construction of a new shop, canopy and replacement of all petroleum infrastructure. A site plan showing the proposed development plan is provided below.
Active Planning Applications	We understand that our client has applied to South Tyneside Council for the proposed development (Planning Application ST/0140/24/FUL). A Decision Notice has not been made available for review at this time.

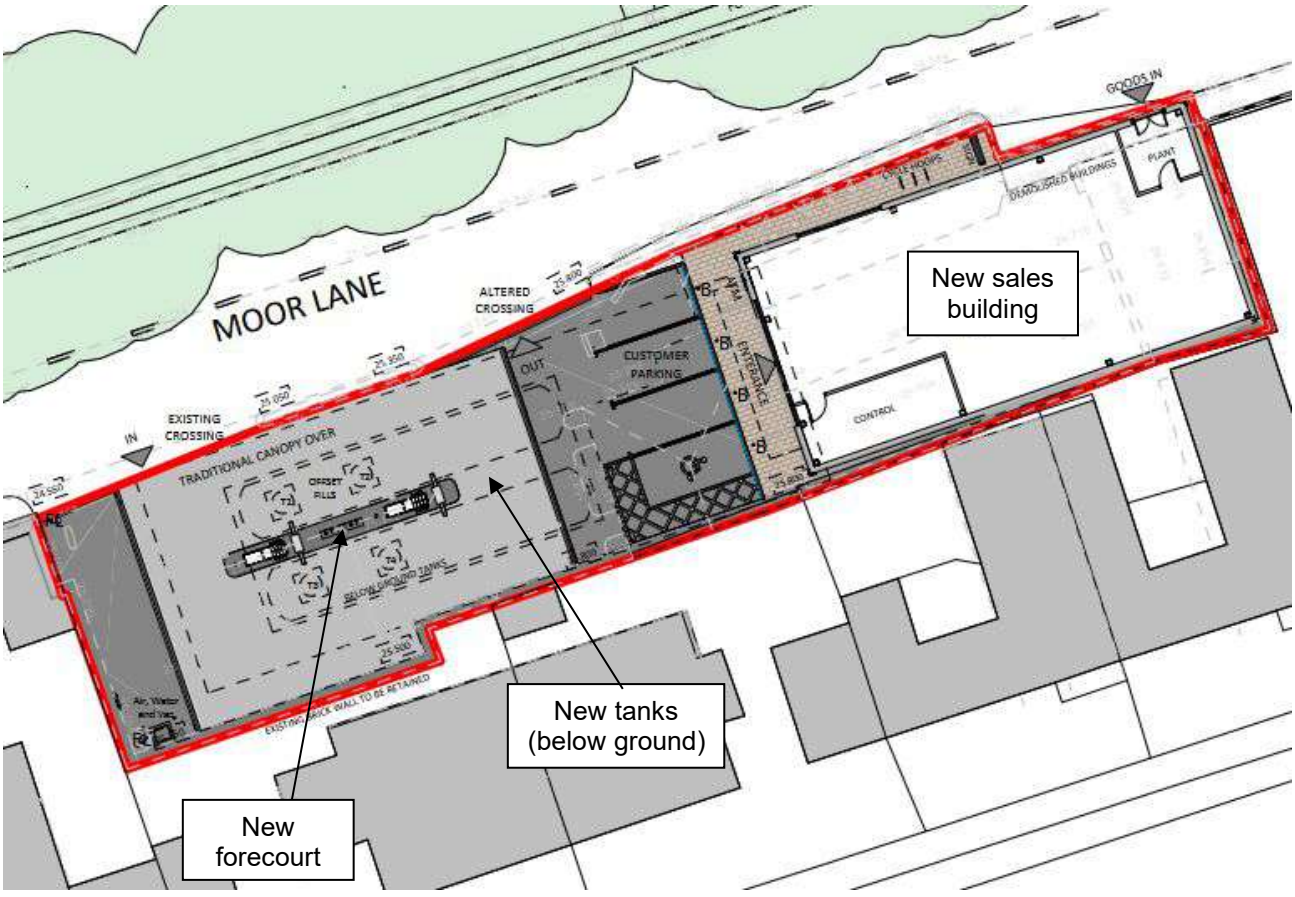


Table Five: Proposed Development Plans

2.3.2 Development Specific Risk Factors

The development will likely comprise the installation of shallow strip / pad foundations, the formation of excavations (to a maximum depth of ~4.0m), and utilisation of heavy plant.

3 Information Sources

We have reviewed the following information when compiling this report:

- A non-residential Consultants Coal Mining Report provided by The Mining Remediation Authority;
- The Mining Remediation Authority's online interactive map viewer;
- Geological information obtained from the British Geological Survey (BGS) (www.bgs.ac.uk), including a review of borehole logs in the vicinity of the site held in the BGS archives;
- The site history based on historic Ordnance Survey mapping of the area.

4 Identification and Assessment of Site-Specific Mining Risk Factors

The table below summarises the potential risks associated with mining legacy for the proposed development identified from list sources of information.

Risk Factor	Risk Present	Comment
Are there coal mining entries (past or present) within 20m of the site boundary?	☐	None recorded within 100 metres of the enquiry boundary.
Is the proposed development in the likely zone of influence of past underground coal mining?	☒	Probable unrecorded shallow workings indicated by TCA. Maudlin, Brass Hill, Hutton and Harvey coal seams have been worked beneath the property, at depths ranging from **279m - 307m.**
Is the proposed development in the likely zone of influence of present underground coal workings?	☐	No.
Is the proposed development within the likely zone of influence of underground coal workings at shallow depth (i.e. depths of less than 30m)?	☒	Probable unrecorded shallow workings indicated by TCA.
Is there a possibility of unrecorded shallow mine workings and/or mine entries?	☒	
Record of mine gas emissions within the site boundary?	☐	None recorded within 500 metres.
Is the proposed development in an area for which the Mining Remediation Authority is determining or has granted a license to remove coal by underground mining methods?	☐	None recorded within 200 metres of the site.
Are there known faults or other lines of weakness due to coal mining at the site?	☐	No faults, fissures or breaklines recorded.
Has the site been subject to remedial works by, or on behalf of, the Mining Remediation Authority under its surface hazard call out procedures?	☐	None recorded within 50 metres of the site.
Is the proposed development within the boundary of a surface mining/opencast site from which coal has been removed by surface mining/opencast methods?	☐	None recorded within 500 metres of the site.
Is the proposed development within 200m of a surface mining/opencast site from which coal is being removed?	☐	

Table Six: Site-Specific Coal Mining Risk Factors

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5 Detailed Assessment of Identified Mining Risk Factors

5.1 Assessment of Mining Risk Factors

5.1.1 Probable Unrecorded Shallow Workings

We have identified that the site lies within an area where the Mining Remediation Authority believes there is potential for unrecorded *shallow* mine workings. We consider this risk to be associated with an outcrop / seam name of 'Usworth', conjectured to lie 8.7m to the north west of site (distance provided by Consultants Coal Mining Report).

The area in purple below (bottom left) shows that land to the immediate south/west of Usworth (the indicative outcrop dip direction) has the potential to be worked at shallow depth, and the site does lie within the zone.

However, the Consultants Coal Mining Report also indicates that this seam is not workable, likely due to an insufficient thickness of coal present. This seam is therefore likely remains intact and, as such, is not considered to pose an unacceptable level of instability risk to the site and/or proposed development.

In summary, whilst the thin Usworth seam may present beneath the site at <10m depth, it is highly unlikely to have been worked in the past, and therefore is unlikely to pose a significant instability risk.

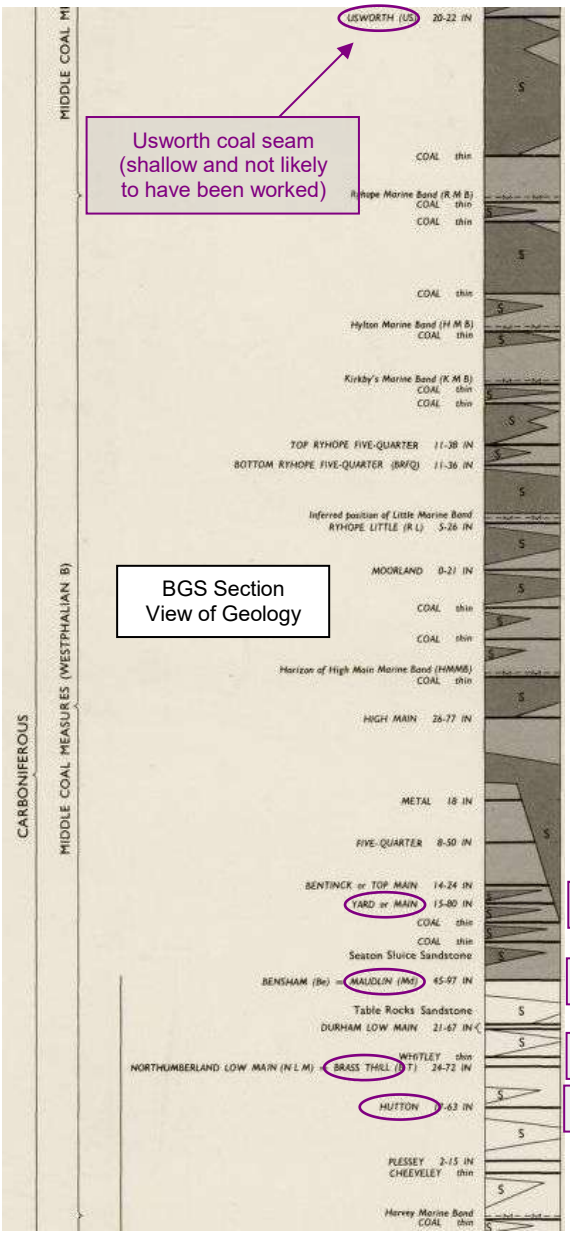


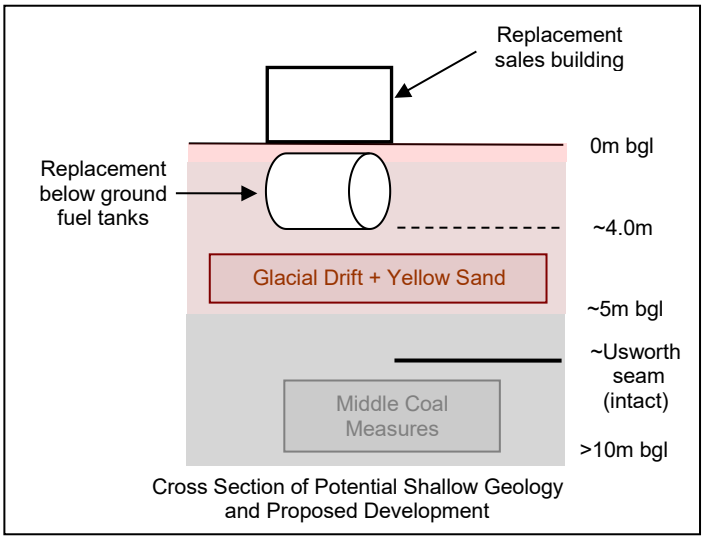
Figure Three: Geology Snip from Map NZ36SE

5.1.2 Depth to Known Workings

- The shallowest known working in the vicinity of site is the Yard coal seam (1.32m thickness), located to the NE of site at a depth of 251m; this was last worked in the ~1950s;
- The shallowest known working beneath the property is the Maudlin coal seam (1.8m thickness) at a depth of 279m this was last worked ~1920s.

The section view below illustrates these past mining activities, in relation to the proposed development.





Cross Section of Potential Shallow Geology and Proposed Development

Figure Three: Geological Cross Sections

6 Conclusion

Our conclusions of the risk associated with the factors highlighted in this report are as summarised in the table below.

Factor	Risk	Comment
Probable Unrecorded Shallow Workings	**Low**	The Coal Authority believes there is potential for unrecorded shallow mine workings to be present at the site. We consider this risk to be associated with an outcrop with a seam name of Usworth, conjectured to lie 8.7m to the north west of site (distance provided by Consultants Coal Mining Report). However, the same Consultants Coal Mining Report has indicated that this seam is not workable, likely due to an insufficient thickness (i.e. 'thin'), and therefore does not pose an unacceptable level of instability risk to the site as the seam likely remains intact. The risk of settlement / ground instability issues associated with an intact thin Usworth coal seam at shallow depth is considered to be **low**. No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.
Depth to Known Workings	**Negligible**	Given the depth to the known worked seams is *>250m*, we consider the rock cover present will provide significant and adequate protection from any ground instability that might occur at depth. The general rule of thumb for assessing the risk from coal mining is the thickness of rock cover over the worked seam. Bedrock cover equal to or greater than 10 x the seam thickness will generally mitigate the risk of significant ground instability at surface. The risk of settlement / ground instability issues caused by movement associated with these very deep workings is therefore considered negligible. The duration since the shallowest worked seams is considerable (>65years). Substantial settlement associated with these seams, at the site's location, would most likely now have ceased.
Conclusions and Recommendations	Based on the results of our findings, it is our opinion that historical coal mining activity associated with the site does not pose potentially significant hazards to the proposed development. However, if any evidence of shallow coal mining is identified (or suspected) during the forthcoming redevelopment works, we recommend that The Mining Remediation Authority be contacted for advice as further investigation, assessment and mitigation measures may be required in that eventuality.	
Your attention is drawn to the Notice to Interested Parties included as Attachment One.		

Table Seven: Conclusions of Our Coal Mining Risk Assessment

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ATTACHMENT ONE:
NOTICE TO INTERESTED PARTIES

SUBADRA
Environmental - Geotechnical - Laboratory - Foundations
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Tel: 01296 739400 Email: consultants@subadra.com

NOTICE TO INTERESTED PARTIES

The purpose of our work Is to provide general information on the environmental And/Or geotechnical conditions existing at the site And related to soil And/Or groundwater. The Client Or others specified the scope of the investigation And the validity of our conclusions Is limited by the scope of work specified. We are Not responsible for any such limitations Or omissions.

Where stated in this report, we have used information supplied by third parties. While we have evaluated As far As possible the validity Of this information, we cannot guarantee its accuracy In any way whatsoever.

No investigation technique Is capable Of completely identifying all Of the contaminants that might be present In the soil Or groundwater under a site. Where specified In our report, we have examined the ground by constructing a number Of boreholes And/Or trial pits. We recovered samples Of soil And/Or groundwater from available exposures.

The depth And spacing Of our Sampling locations were selected To ensure With a reasonable probability that they would be representative Of the actual conditions across the whole site. However, safety considerations relating To existing site infrastructure may have restricted our ability To investigate all potential contaminant sources. Specifically, we were unable To investigate the soil And groundwater condition immediately adjacent To the underground structures And/Or buried services. These limitations must be borne In mind When considering the conclusions reached In this report.

Soil Is intrinsically variable And the spread Of contaminants within the soil Is therefore subject To a degree Of non-uniformity. For these reasons no sampling technique can completely eliminate the possibility Of obtaining samples that are Not representative Of the actual conditions. Our sampling techniques are intended To reduce the possibility To an acceptable level, within the limits imposed by the scope of the investigation.

Groundwater levels And soil vapour levels that we report were accurate at the time of the investigation. Groundwater And soil vapour levels are variable. Long term monitoring may be required to ensure that the levels recorded during our investigation are representative of long term And possible 'worst case' conditions. In accepting our recommendations and/or conclusions the Client acknowledges that further, more detailed investigation would allow a more accurate assessment of site conditions to be made and that this would reduce any consequential risk to the Client.

Our investigation was carried out to assess the significance of contamination resulting from use of the site as identified in this report. Unless we have indicated otherwise, no assessment of the potential impact of any other previous uses has been made. No investigation was carried out to determine whether or not any deleterious or hazardous materials (such as asbestos) have been used in the construction of the buildings present on the site. Unless otherwise stated no investigation or assessment has been made of the presence or otherwise of invasive plant species including but not limited to Japanese Knotweed.

Unless specifically stated otherwise, we have not assessed the effect of any proposed future construction activities on existing structures on or near to the site. Nor, unless stated otherwise, have we assessed the likely effect of trees on existing or proposed structures on or near the site.

We do not accept any responsibility for the cost of remedial works or other costs incurred in whatever way whatsoever as a result of any omissions, errors or other shortcomings in this report unless we have been given reasonable opportunity to verify ourselves that such faults exist and we have been given a reasonable opportunity to carry out works to remedy such faults ourselves using the most practicable means available to us. We do not accept liability for any consequential losses incurred by you while either we or others carry out any remedial works we deem necessary.

This report has been prepared for the Client, as specified on the cover page of this report. In accepting our recommendations and/or conclusions the Client accepts that the terms of our appointment were as detailed in the Proposal, or Proposals, that we provided to the Client before being appointed and that these terms supersede any other terms and/or conditions set out in any contracts agreed between ourselves and the Client, regardless of when such terms and/or conditions were agreed to by us and/or signed by us.

Use of, and reliance on, this report by other third parties will be at such third parties own risk, and we do not accept any liability or responsibility to them.

Neither the whole nor any part of this report, or any reference to it, may be included in any published document circular or statement or published in any way without our prior written approval.

This report and its contents, together with any supporting correspondence or other documentation, remain the property of Subadra Consulting Limited until paid for in full. The copyright to this report remains vested in Subadra Consulting Ltd at all times.

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ATTACHMENT TWO:
COAL MINING REPORT

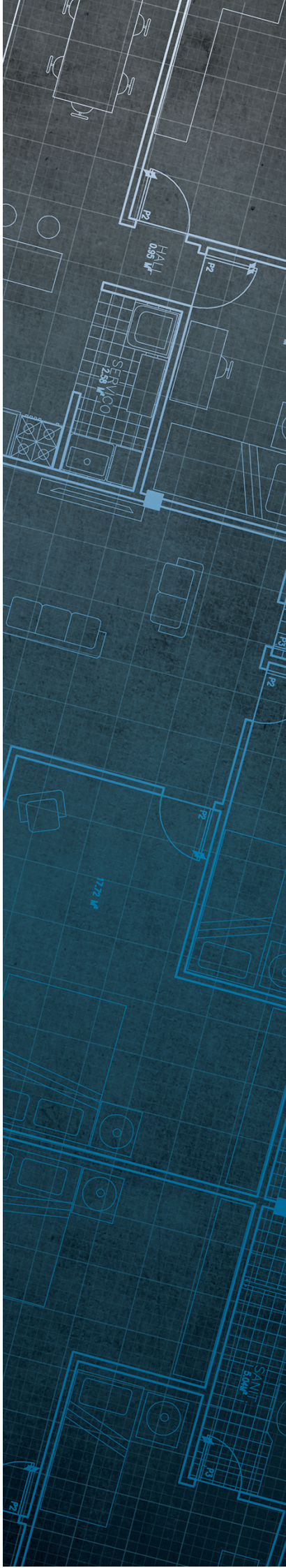
The Coal Authority

Consultants

Coal Mining Report

Gulf Filling Station
10 Moor Lane
South Shields
South Tyneside
NE34 6BZ

Date of enquiry:	**10 February 2025**
Date enquiry received:	**10 February 2025**
Issue date:	**10 February 2025**
Our reference:	**51003478546001**
Your reference:	**34736**



Consultants

Coal Mining Report

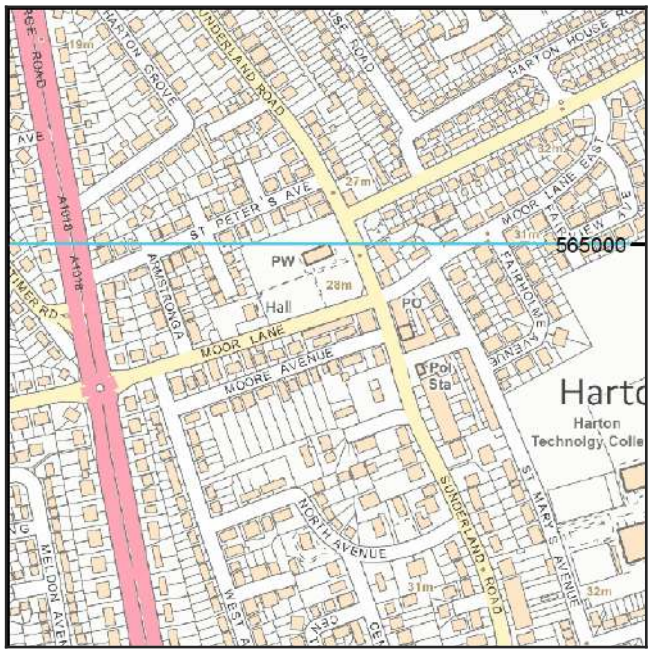
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

SUBADRA CONSULTING LTD

Enquiry address

Gulf Filling Station
10 Moor Lane
South Shields
South Tyneside
NE34 6BZ



Approximate position of property

Map data

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/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
HARTON	YARD	Coal	513H	251	North-East	3.1	South-West	132	1951
unnamed	YARD	Coal	513A	251	North-East	3.6	South-West	100	1947
unnamed	YARD	Coal	513D	253	East	3.6	South-West	100	1942
HARTON	YARD	Coal	5139	259	South-West	4.3	South-West	120	1947
unnamed	MAUDLIN	Coal	512M	277	North	4.1	South-West	198	1924
HARTON	MAUDLIN	Coal	512H	279	Beneath Property	5.1	South-West	180	1914
unnamed	MAUDLIN	Coal	512K	282	South	4.3	South-West	170	1914
unnamed	BRASS THILL	Coal	3LUI	293	North	3.3	South-West	142	1963
unnamed	BRASS THILL	Coal	3LUG	300	North	3.3	South-West	140	1963
HARTON	BRASS THILL	Coal	3LU6	304	Beneath Property	3.3	South-West	130	1963
unnamed	HUTTON	Coal	3QBP	311	North	2.8	South-West	210	1914
unnamed	HUTTON	Coal	3QAP	318	Beneath Property	2.4	South-West	190	1892
WESTON	HUTTON	Coal	3QBC	318	North	3.0	South-West	210	1917
HARTON	HUTTON	Coal	3QAQ	329	South-West	3.6	South-West	190	1910
HARTON	HARVEY	Coal	3LWA	369	North	2.7	South-West	109	1957
HARTON	HARVEY	Coal	3LW7	370	Beneath Property	5.1	South-West	112	1957

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

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Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

11871	D841	15028
D1060	D1237	16287
D1238	D724	D862

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
USWORTH	Coal	No	8.7	North-West	128

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

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Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations
None recorded within 50 metres of the enquiry boundary.

Remediated sites
None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence
The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas
None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes
None recorded within 500 metres of the enquiry boundary.

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Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

Section 46 notices
No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices
The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

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Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

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Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk.**

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

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Opencast mines
Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips
Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations
Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites
Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence
Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas
Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

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Mine water treatment schemes
Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining
Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing
Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders
Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices
Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

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Summary of findings

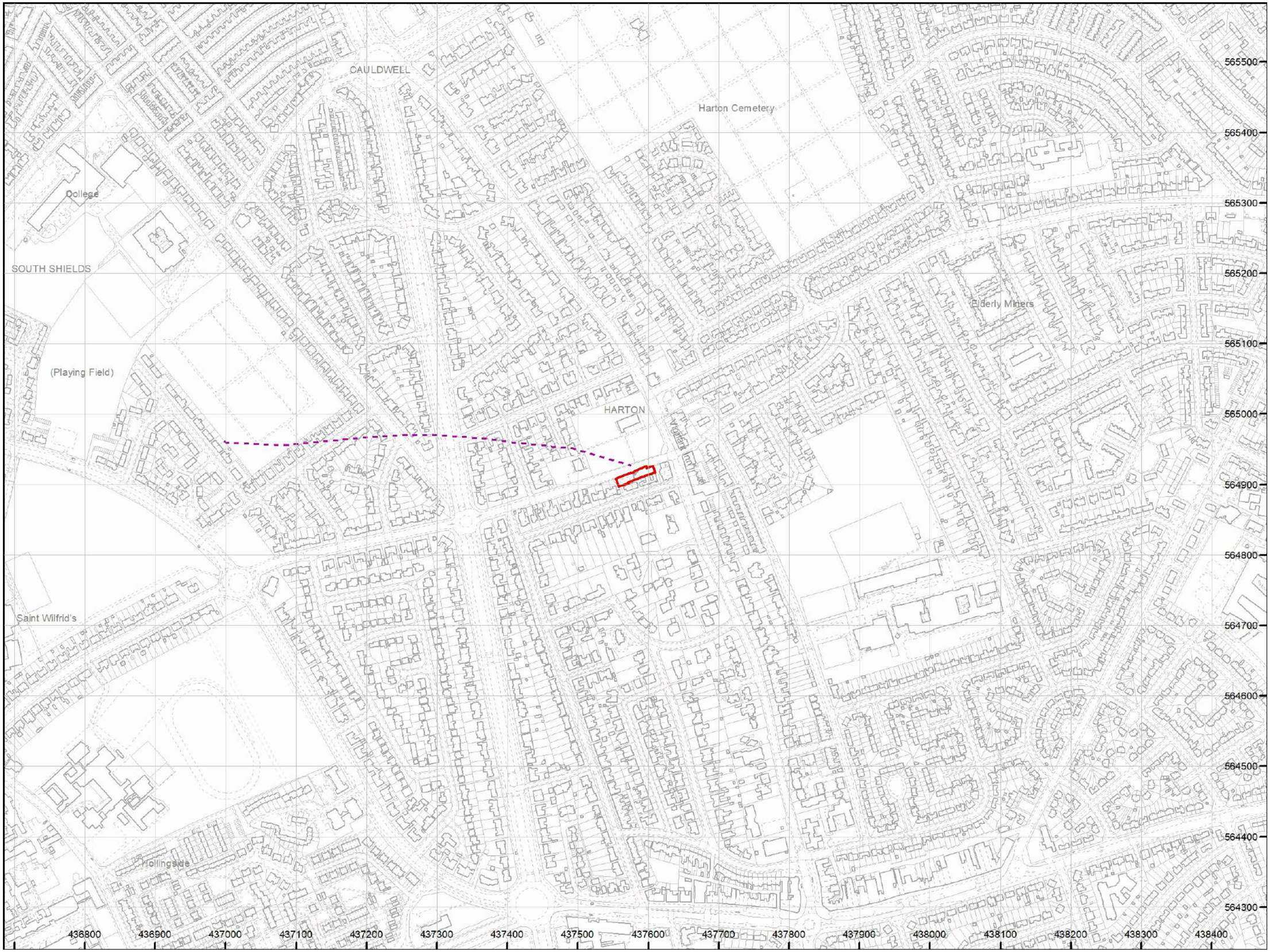
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The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown

Outcrop (Conjectured)



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