



Groundwater Monitoring Report

at

**West Barn, Old Dairy Lane, Norton, Nr Chichester,
West Sussex PO20 3AF**

for

A & MJ Cozens

**Reference: 22102/GWMR/Rev1.0
February 2026**

Control Document

Project

West Barn, Old Dairy Lane, Norton, Nr Chichester, West Sussex PO20 3AF

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FINAL

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This is not a valid document for use in the design of the project unless it is titled Final in the document status box.

Current regulations and good practice were used in the preparation of this report. The recommendations given in this report must be reviewed by an appropriately qualified person at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.



Commission

This document comprises the Groundwater Monitoring Report (GWMR) and incorporates the results, discussion, and conclusions to this monitoring works. General site data is recorded below:

Commission Record	
Client	A & MJ Cozens
Site Name	West Barn, Old Dairy Lane, Norton, Nr Chichester, West Sussex PO20 3AF
Grid Reference	SU 92788 06497
Soils Limited Quotation Ref	Q30403_CR04_RevI.0I, dated 3 rd December 2025
Signed Order Form	Q30403_CR04_RevI.0I, dated 3 rd December 2025

The record of revision to this document is presented below:

Record Of Revisions		
Revision	Date	Reason
RevI.0	February 2026	Original to Client.

Limitations and Disclaimers

The report was prepared solely for the brief described in Section 1.1 of this report.

The contents, recommendations and advice given in the report are subject to the Terms and Conditions given in Soils Limited's Quotation

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The ground is a product of continuing natural and artificial processes. As a result, the ground will exhibit a variety of characteristics that vary from place to place across a site, and also vary with time. Whilst a ground investigation will mitigate to a greater or lesser degree against the resulting risk from variation, the risks cannot be eliminated.

The investigation, interpretations, and recommendations given in this report were prepared for the sole benefit of the client in accordance with their brief. As such these do not necessarily address all aspects of ground behaviour at the site.

Current regulations and good practice were used in the preparation of this report. An appropriately qualified person must review the recommendations given in this report at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.

If the term "competent person" is used in this report or any Soils Limited document, it means an engineering geologist or civil engineer with a minimum of three years post graduate experience in the understanding and application of the appropriate codes of practice.

Within the report reference to ground level relates to the site level at the time of the investigation, unless otherwise stated.

Exploratory hole is a generic term used to describe a method of direct investigation. The term trial pit, borehole or window sample borehole implies the specific technique used to produce an exploratory hole.

Ownership of land brings with it onerous legal liabilities in respect of harm to the environment. "Contaminated Land" is defined in Section 57 of the Environment Act 1995 (Updated 2021) as:

"Land which is in such a condition by reason of substances in, on or under the land that significant harm is being caused or that there is a significant possibility of such harm being caused or that pollution of controlled waters is being, or is likely to be caused".

Deleterious materials may be present in any Made Ground that pose a potential risk to site workers, end users and adjacent vulnerable receptors. These could include a range of contaminants, including asbestos, especially if the material includes large fractions of demolition derived materials.

All works are undertaken in the context of, and in compliance with, BS8485:2015+A1 2019 and LCRM (EA 2021) and all other pertinent planning, standards, documentation and guidance appropriate to the site at the time of production which may include, but are not necessarily limited to, documents provided by BS/CEN/ISO, NHBC, AGS, CIEH, CIRIA, SoBRA and CLAIRE.

The investigation, analysis or recommendations in respect of contamination are made solely in respect of the prevention of harm to vulnerable receptors, using where possible best practice at the date of preparation of the report. The investigation and report do not address, define or make recommendations in respect of environmental liabilities. A separate environmental audit and liaison with statutory authorities is required to address these issues.

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Section I Introduction

I.1 Objective of Investigation

The Client commissioned Soils Limited to undertake a winter groundwater monitoring investigation and to prepare a Groundwater Monitoring Report to supply the Client and their designers with information regarding ground conditions and the results of winter groundwater monitoring.

The scope of works comprised investigation of subsurface conditions and quantification of groundwater. This was achieved through the installation of borehole monitoring wells and subsequent phased monitoring visits to measure in-situ groundwater levels over time.

No preliminary investigation, environmental / geotechnical testing or interpretive reporting was commissioned as part of this investigation.

I.2 Site Description

The site included the fenced L-shaped rear service yard of an industrial estate, incorporating two principal warehouse structures. The site surface was predominantly composed of bare earth and Made Ground comprising granular fill material, including concrete and flint gravel. Stockpiles and bags containing construction and demolition waste materials, including concrete blocks and associated debris were scattered in the area.

No vegetation was present within the site; however, mature trees from the adjacent woodland delineated its southern border.

The study area was generally flat and level.

The site location plan is given in Figure 1. An aerial photograph of the site and its close environs has been included in Figure 2.

I.3 Proposed Development

At the time of the investigation and reporting there were no proposed development plans provided to Soils Limited by the Client.

I.4 Anticipated Geology

The 1:50,000 BGS map showed the site to be underlain by the Lambeth Group bedrock with overlying superficial deposits of Head. The BGS maps suggested the presence of the underlying Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations (White Chalk Subgroup) bedrock at circa 300m north of the site and therefore, might be present on site.

1.4.1 Head Deposit

Head deposits are drifts produced by solifluxion, the downslope movement of debris outwash during the periglacial period and characteristically comprise poorly sorted sands gravels and chalk of local derivation.

1.4.2 Harwich Formation

The Harwich Formation consists of sand and pebbly sand that is green-grey in colour, weathering to pale yellow-brown, highly glauconitic and fine to medium-grained. Calcareous mollusc fossils and scattered sharks' teeth are typical although the shells are decalcified in places.

In areas where pebble beds dominate the sequence, they consist of a series of superimposed channels almost entirely of flint pebbles, imbricated in places, and rare pebbles of siliceous sandstone (similar to sarsen stone). The pebble beds include clasts up to 150mm in diameter but generally less than 20mm.

1.4.3 Lambeth Group

The Lambeth Group, formerly known as the Woolwich and Reading Beds, occurs in the London and Hampshire Basins, where it directly overlies the Chalk or Thanet Sand Formation, and is succeeded by the Harwich and London Clay Formations. Although generally less than 50 metres thick, its lithological variability and position beneath much of London has concerned tunnelling engineers since the early 19th century.

The relationship between the different depositional environments is seen in central and south-east London, where deposits of fine-grained sand, flint gravel beds, mottled clay, shell beds and altered beds form a complex interdigitating sequence, which is divided into three formations and several informal lithological units.

1.4.4 Lewes Nodular, Seaford and Newhaven Chalk Formations

The Lewes Nodular Chalk Formation is composed of hard to very hard nodular chalks and hardgrounds (which resist scratching by finger-nail) with interbedded soft to medium hard chalks (some grainy) and marls; some griotte chalks. The softer chalks become more abundant towards the top. Nodular chalks are typically lumpy and iron-stained (usually marking sponges). Brash is rough and flaggy or rubbly and tends to be dirty. First regular seams of nodular flint, some large, commence near the base and continue throughout.

Seaford Chalk Formation can be described as firm white chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large.

The Newhaven Chalk Formation is a soft white friable microporous limestone composed of coccolith biomicrites with a varying proportion of larger shell fragments.

At various levels clay sized material occurs as marl seams and partings. Close to the surface the upper few metres are invariably discoloured brown, due to leaching from the overlying strata. The interface with any overlying stratum is invariably extremely irregular as a result of localised weathering and general solution. Weathering by frost action may extend to a depth of several metres.

Chalk is a weak rock and as such it should be noted that the drilling, excavating and sampling process is detrimental to its fabric and structure. Chalk samples that have been machine sampled will therefore appear to be of a lower descriptive grade, as given in CIRIA C574, than the in-situ chalk. Soil sampling and visual observations from open excavations i.e. trial pits would allow chalk description and classification in accordance with CIRIA 574 including commenting for any aperture and discontinuities in the chalk structure.

Erosional features, such as pipes, swallow holes and solution cavities, usually in-filled with drift deposits, are occasionally found in the chalk, sometimes manifesting themselves at the surface as shallow circular depressions. Solution features may be reactivated by the concentrated ingress of water from leaking drains or soakaways. Reactivation may lead to surface collapse.

CIRIA C574 states that the presence of dissolution features should always be assumed when designing foundations for all sites underlain by calcium carbonate rich chalk.

Section 2 Site Works

2.1 Intrusive Site Works

The intrusive project site works were designed to provide information on the ground conditions for the investigated area, and included the installation of a monitoring well and subsequent monitoring to inform a drainage assessment, as detailed below:

- Underground service avoidance of test hole location using a C.A.T. (cable avoidance tool) and Genny (signal generator)
- 1No. windowless sampler borehole to 5.00m bgl (WS1)
- 1No. 5.00m deep groundwater monitoring well installation in WS1

WS1 was backfilled with gravel and bentonite following the installation of the monitoring well.

The exploratory hole location has been presented in Figure 3.

2.2 Groundwater Monitoring Well Installations

Full details of the monitoring well installation are presented on the engineering logs within Appendix B.1 and a summary of the well installations is presented in Table 2.1.

Table 2.1 Summary of Well Installations

Detail	WS1	WS2	WS3
Cover type	Standard tamper proof flush cover		
Head works	Gas tap		
Pipe Work	33mm OD HDPE Plain pipe for 0.00 to 1.00m then slotted to 5.00m bgl. Slotted section includes 12.1% 3mm slots with a solid end cap at base.		
Top seal	0.05 to 1.00m bgl (bentonite pellets).		
Filter pack	1.00 to 5.00m bgl 3-5mm washed gravel.		

Note(s): The depths given in this table were taken from the ground level on-site at the time of investigation.

Section 3 Ground Conditions

3.1 Ground Conditions

On 4th September 2025, one windowless sampler borehole (WS1) was drilled, using a Premier Compact 110 Series rig, to the depth of 5.00m below ground level (bgl) at a location agreed with the Client.

A standpipe was installed within WS1 to facilitate continued monitoring of the groundwater level.

The maximum depth of exploratory hole has been included in Table 3.1.

Table 3.1 Final Depth of Exploratory Holes

Exploratory Hole	Depth (m bgl)
WS1 ^w	5.00

Note(s): The depth given in this table was taken from the ground level on-site at the time of investigation. w=well install

Soil conditions were logged and sampled as required, with depths measured from ground level. Soils with organic content or natural weathering were classified as Topsoil, while those altered or placed by humans (with >5% non-natural material) were labelled Made Ground. Full details are given in Appendix B. For discussion, the soil conditions found in the exploratory holes, from top to bottom, are summarised as follows:

Made Ground (MG)
Head Deposits (HEAD)
Harwich Formation (HWH)
Lambeth Group (LMBE)
White Chalk Subgroup (WHCK)

The ground conditions encountered are summarised in Table 3.2.

Table 3.2 Ground Conditions

Strata	Depth Encountered (m bgl)		Typical Thickness (m)	Typical Description
	Top	Bottom		
MG	0.00	0.40	0.40	Brown, silty, clayey, fine to coarse, angular to subangular, flint, brick and tarmac GRAVEL over brick, tarmac and concrete rubble.
HEAD	0.40	1.50	1.10	Soft brown gravelly, silty CLAY to greyish brown, slightly sandy very clayey, angular, fine to cobble sized flint GRAVEL.
HWH	1.50	3.00	1.50	Light brown, sandy, clayey, angular, fine to cobble sized flint GRAVEL. Sand is fine to coarse. Frequent black, potentially organic black spotting. Becoming whitish brown with fine to medium sand sized chalk nodules at 2.80m bgl.

Strata	Depth Encountered (m bgl)		Typical Thickness (m)	Typical Description
	Top	Bottom		
LMBE	3.00	4.00	1.00	Firm light grey and light brown mottled, slightly silty, gravelly, sandy CLAY to slightly sandy, silty CLAY. Sand is fine to coarse made of chalk. Gravel is angular, fine to coarse flint.
WHCK	4.00	5.00 ^{1,2}	Not established ²	Weathered, structureless CHALK composed of uncompact, orangish brown and white mottled, silty, very sandy CLAY. Sand is fine to coarse, made of chalk.

Note(s): ¹ Final depth of exploratory hole. ² Base of strata not encountered. The depths given in this table were taken from the ground level on-site at the time of investigation.

Full engineering logs are presented in Appendix B.1.

Section 4 Groundwater

4.1 Groundwater Observations

Groundwater was not encountered within the exploratory hole (WS1) at the time of the site works.

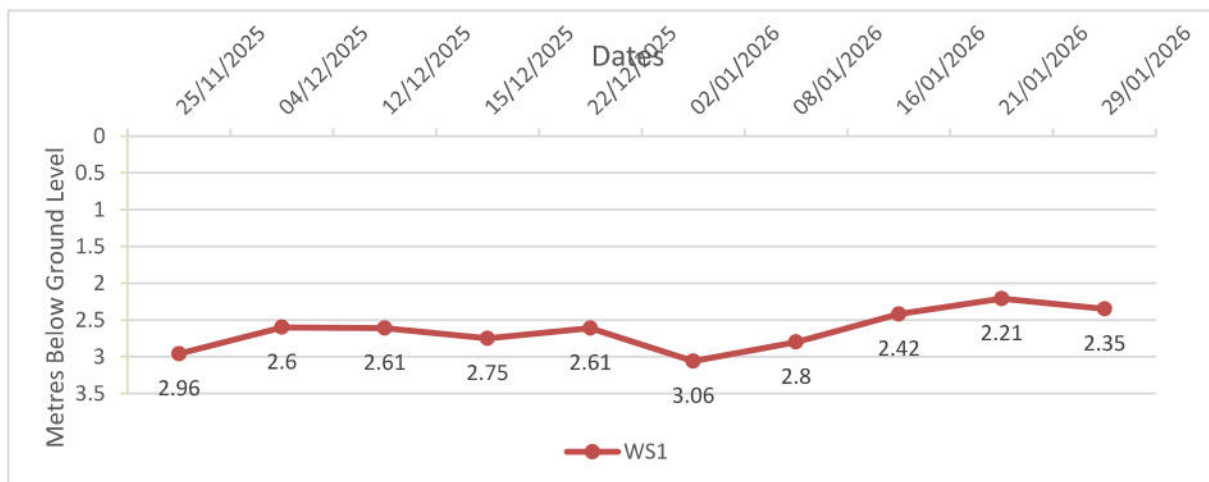
The well was monitored a total of eleven (10No.) times following site works, between the 25th of November 2025 and 29th of January 2026. The results of the groundwater monitoring are presented in Table 4.1 and Figure 1.

Table 4.1 Groundwater Monitoring Results

Exploratory Hole	Well Depth (m bgl)	Depth to Water (m bgl)					
		04/09/25 ¹	25/11/25	04/12/25	12/12/25	15/12/25	22/12/25
WS1	5.00	Dry	2.96	2.60	2.61	2.75	2.61
		02/01/26	08/01/26	16/01/26	21/01/26	29/01/26	
		3.06	2.80	2.42	2.21	2.35	

Note(s): ¹ Groundwater level during site works. G.L. = Ground Level

Chart 1 – Groundwater Records



4.2 Discussion on Groundwater Levels During Observational Period

Changes in groundwater level occur for reasons including seasonal effects and variations in drainage etc. The investigation and groundwater monitoring were conducted between September 2025 and January 2026 respectively, when groundwater levels should be moving towards their annual maximum (highest) elevation, typically in March.

Long-term groundwater monitoring results showed that groundwater levels remained relatively stable over time during the monitoring period. A gradual rise was recorded during the monitoring period, consistent with expected seasonal behaviour, with levels increasing through the winter and peaking in January. Conversely, the lowest levels would typically be expected around September.

The data also indicated that seasonal fluctuations in groundwater levels are likely to be minimal. Continued monitoring through the summer months and a full winter period would provide a more reliable understanding of any seasonal variability.

The full groundwater monitoring data are presented in Appendix C.

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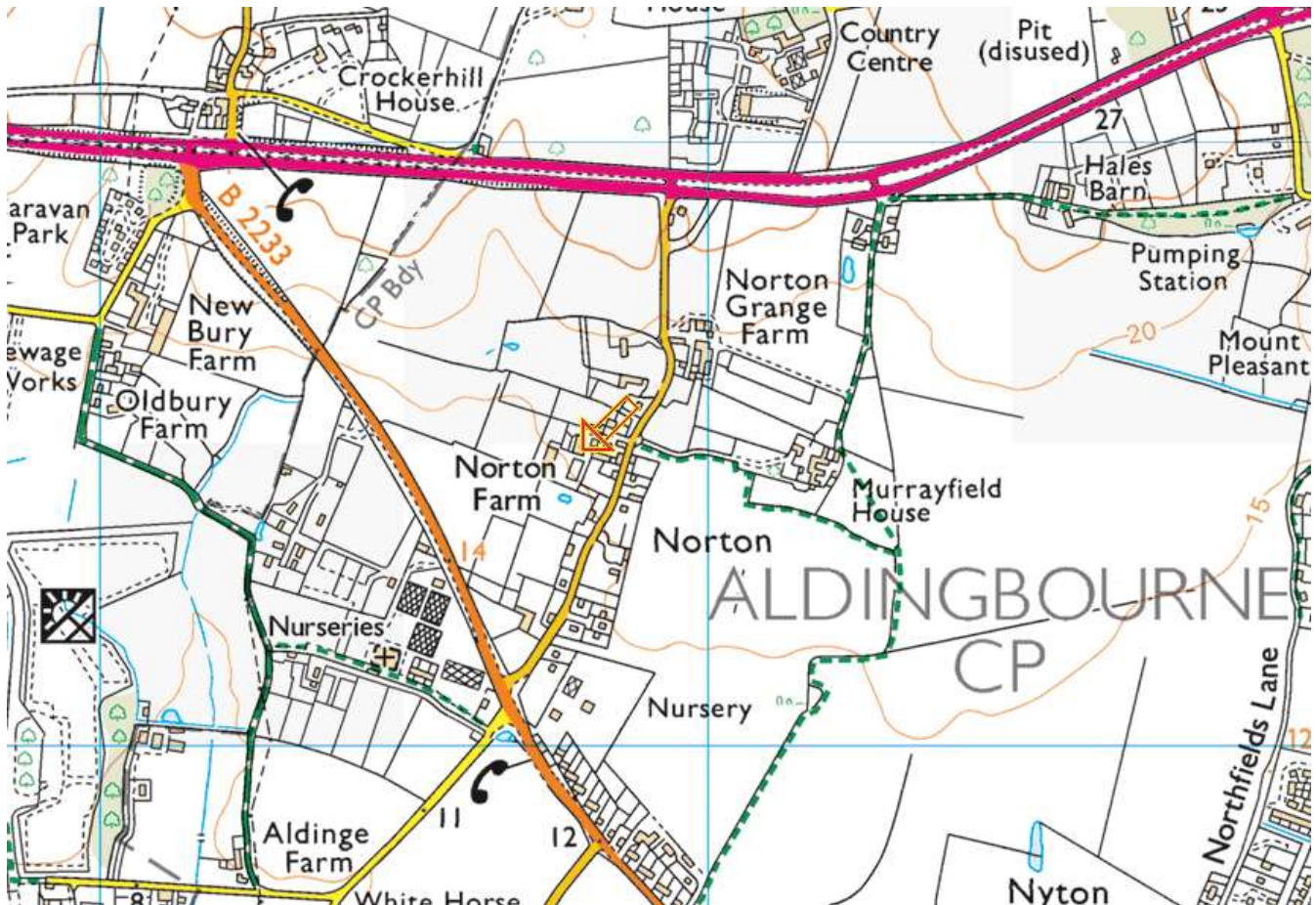


Figure I – Site Location Map

**Job Number**

22102

Project

West Barn, Old Dairy Lane, Norton, Nr Chichester, West Sussex, PO20 3AF

Client

A & MJ Cozens

Date

February 2026



Figure 2 – Aerial Photograph



Job Number

22102

Project

West Barn, Old Dairy Lane, Norton, Nr Chichester, West Sussex, PO20 3AF

Client

A & MJ Cozens

Date

February 2026



Figure 3 – Trial Hole Plan



Job Number

22102

Project

West Barn, Old Dairy Lane, Norton, Nr Chichester, West Sussex, PO20 3AF

Client

A & MJ Cozens

Date

February 2026

Appendix A Standards and Resources

The site works, monitoring and assessment were undertaken in accordance with the following standards where applicable:

- BS 8485:2015+A1:2019
- BS 8576:2013
- BS 5930:2015+A1:2020
- NHBC Report Edition 04 2007 as updated
- CIRIA C665
- CIRIA C682
- CIRIA C735
- CL:AIRE RB17

Appendix B Field Work

Appendix B.1 Engineers Logs



Window Sampler

WS1
Sheet 1 of 1

Hole Type WS	Easting	Northing	Ground Level (m)	Scale 1:50
Project Name West Barn, Chichester PO20 3AF	Project No. 22102	Start Date 2025-09-04	End Date 2025-09-04	

Client A & MJ Cozens	Consultant OK	Contractor
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.40)		Brown, silty, clayey, fine to coarse, angular to subangular, flint, brick and tarmac GRAVEL over brick, tarmac and concrete rubble. Occasional roots and rootlets. MADE GROUND	
						0.40			
						(0.30)		Soft, brown, gravelly, silty CLAY. Gravel is fine to coarse, angular flint. HEAD	0.5
						0.70			
						(0.50)		Greyish brown, slightly sandy, very clayey, angular, fine to cobble sized flint GRAVEL. Sand is fine to coarse. HEAD	1.0
						1.20			
						(0.30)		Soft, light brown, gravelly, silty CLAY. Gravel is fine to coarse, angular flint. Occasional dessicated rootlets. HEAD	1.5
						1.50			
						(1.50)		Light brown, sandy, clayey, angular, fine to cobble sized flint GRAVEL. Sand is fine to coarse. Frequent black, potentially organic black spotting. Becoming whitish brown with fine to medium sand sized chalk nodules at 2.80m bgl. HARWICH FORMATION	2.0
						3.00			2.5
						(0.60)		Firm, light grey and light brown mottled, slightly silty, gravelly, sandy CLAY. Sand is fine to coarse made of chalk. Gravel is angular, fine to coarse flint. LAMBETH GROUP	3.0
						3.60			3.5
						(0.40)		Firm, light brown mottled light grey, slightly sandy, silty CLAY. Sand is fine to coarse made of chalk. LAMBETH GROUP	4.0
						4.00			4.5
						(1.00)		Weathered, structureless CHALK composed of uncompact, orangish brown and white mottled, silty, very sandy CLAY. Sand is fine to coarse, made of chalk. WHITE CHALK SUBGROUP	5.0
						5.00		End of Borehole at 5.00m	5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0

Remarks Roots and rootlets oserved to 0.40m bgl. Desiccated rootlets observed to 1.50m bgl.	Method, Plant, Stability, Dimensions 0,00 - 5,00m Premier III	Logger OK
Status: FINAL		



Window Sampler

WS1
SUPPLEMENTARY INFO

Hole Type	Easting	Northing	Ground Level (m)	Scale
WS				1:50
Project Name	Project No.	Start Date	End Date	
West Barn, Chichester PO20 3AF	22102	2025-09-04	2025-09-04	
Client	Consultant	Contractor		
A & MJ Cozens	OK			

Water Strike - Details

Struck (m)	Rose To (m)	Time (mins)	Remarks
			No groundwater was encountered.

Remarks	Method, Plant, Stability, Dimensions	Logger
Roots and rootlets oserved to 0.40m bgl. Desiccated rootlets observed to 1.50m bgl.	0.00 - 5.00m Premier III	OK

Status: FINAL

Appendix C Groundwater Monitoring Data

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	29.10.25
Start Time:	13:22:00

Weather	* Delete as appropriate		
Wind	Light		
Cloud Cover			Overcast
Precipitation			Heavy
Ground Conditions			Flooded

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
GL.	5.0m

Step 1				Step 2										
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)	
Borehole measurement	00:00:05			Atmosphere										
	00:00:30			Borehole measurement										11*
	00:01:00													
	00:02:00													
	00:03:00													
	00:04:00													
	00:05:00													
	00:06:00													
	00:07:00													
	00:08:00													
	00:09:00													
	00:10:00													
	00:11:00													

Samples		Notes;
1 Litre Plastic		
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag)		

HEADWORKS ARE BELOW GROUNDWATER LEVEL. FLOODED. WATERLOGGED. PHOTOS IN JOB FILE.

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	25/11/2025
Start Time:	10:00:00

Weather	* Delete as appropriate		
Wind	Still		
Cloud Cover	None		
Precipitation	Dry		
Ground Conditions		Moist	

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.96	5.00

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
				00:01:00												
				00:02:00												
				00:03:00												
				00:04:00												
				00:05:00												
				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	04/12/2025
Start Time:	12:30:00

Weather	* Delete as appropriate		
Wind	Light		
Cloud Cover			Cloudy
Precipitation	Dry		
Ground Conditions			Wet

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.60	5.02

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
				00:01:00												
				00:02:00												
				00:03:00												
				00:04:00												
				00:05:00												
				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	12/12/2025
Start Time:	10:20:00

Weather	* Delete as appropriate		
Wind	Still		
Cloud Cover			Cloudy
Precipitation	Dry		
Ground Conditions		Moist	

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.61	5.03

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
				00:01:00												
				00:02:00												
				00:03:00												
				00:04:00												
				00:05:00												
				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	15/12/2025
Start Time:	09:35:00

Weather	* Delete as appropriate		
Wind	Light		
Cloud Cover			Cloudy
Precipitation	Dry		
Ground Conditions		Moist	

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.75	5.02

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
				00:01:00												
				00:02:00												
				00:03:00												
				00:04:00												
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				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	22/12/2025
Start Time:	11:44:00

Weather	* Delete as appropriate			
Wind	Still			
Cloud Cover	I	I		Cloudy
Precipitation	Dry			
Ground Conditions			Moist	

Gas Monitor:*		or	
PID:*		or	
Dip meter:*		or	Single Phase

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.61	5.03

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
				00:01:00												
				00:02:00												
				00:03:00												
				00:04:00												
				00:05:00												
				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	02/01/2026
Start Time:	12:18:00

Weather	* Delete as appropriate		
Wind			Moderate
Cloud Cover		Slight	
Precipitation	Dry		
Ground Conditions	Dry		

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
3.06	5.02

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
				00:01:00												
				00:02:00												
				00:03:00												
				00:04:00												
				00:05:00												
				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	08/01/2026
Start Time:	14:14:00

Weather	* Delete as appropriate		
Wind	Light		
Cloud Cover			Overcast
Precipitation			Moderate
Ground Conditions			Wet

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.80	5.00

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
				00:01:00												
				00:02:00												
				00:03:00												
				00:04:00												
				00:05:00												
				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	16/01/2026
Start Time:	12:33:00

Weather	* Delete as appropriate		
Wind		Slight	
Cloud Cover		Slight	
Precipitation	Dry		
Ground Conditions		moist	

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.42	5.02

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
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				00:04:00												
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				00:06:00												
				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	21/01/2026
Start Time:	13:36:00

Weather	* Delete as appropriate		
Wind			Moderate
Cloud Cover			Overcast
Precipitation			Slight
Ground Conditions			Wet

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.21	5.02

21/01/2026

Step 1				Step 2									
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)
Borehole measurement				Atmosphere									
00:00:05				Borehole measurement	00:00:05								11*
00:00:30			00:00:30										
00:01:00			00:01:00										
00:02:00			00:02:00										
00:03:00			00:03:00										
00:04:00			00:04:00										
00:05:00			00:05:00										
00:06:00			00:06:00										
00:07:00			00:07:00										
00:08:00			00:08:00										
00:09:00			00:09:00										
00:10:00			00:10:00										
00:11:00													

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag)		

Job Number:	22102
Site Name:	West Barn
BH/WS ID:	WS1
Date:	29/01/2026
Start Time:	13:31:00

Weather	* Delete as appropriate		
Wind		Slight	
Cloud Cover			Cloudy
Precipitation		Dry	
Ground Conditions		Moist	

Gas Monitor:*	or
PID:*	or
Dip meter:*	or
Single Phase	

Step 3	
Depth to Water (m bgl)	Base of Hole (m bgl)
2.35	5.08

Step 1				Step 2												
Monitoring interval	Flow L/hr	Dp Pa	SP mB	Monitoring interval	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	LEL CH ₄ %	H ₂ S ppm	Co ppm	Ap mB	VOC (PPM)	Temp (°C)			
Borehole measurement				Atmosphere												
				00:00:05												
				00:00:30												11*
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				00:07:00												
				00:08:00												
00:09:00																
00:10:00																
00:11:00																

Samples		Notes;
1 Litre Plastic		ONE HOLE PER SHEET. PLEASE RECORD GAS CONCENTRATIONS AT INTERVALS INDICATED ON THE SHEET OR UNTIL THE READINGS STABILISE.
1 Litre Glass		
40ml Vial		
Gas sample (Tedlar bag		

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