



Fosse Green Energy

Preliminary Environmental Information Report

VOLUME

3

**Appendix 12-B: Agricultural Land
Classification Report**

October 2024



Agricultural Land Classification (ALC) Report

Fosse Green Energy

October 2024

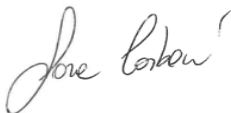
Fosse Green Energy Ltd

Reference: 230407.AC.03

Agricultural Land Classification (ALC) Report

Fosse Green Energy

Client: Fosse Green Energy Ltd

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1. Scope & Objectives

The Services	Agricultural Land Classification (ALC) Report	
The Client	Fosse Green Energy Ltd	
Appointment Details	The Services have been carried out in accordance with the revised Proposal dated 9 th July 2024 and REL's Terms and Conditions of Engagement, (together " the Agreement ") as accepted by the Client on 5 th August 2024. This document forms an addendum to the previous appointments agreed with the Client on 5 th April and 11 th October 2023.	
Site Name	Fosse Green Energy (" the Proposed Development ")	
Site Address	Lincoln LN6 9GF (" the Site ")	
Proposed Use	It is understood that the site is to be developed for a solar array, Battery Energy Storage System (BESS) and an Onsite Substation (the Principal Site).	
Planning Application	No additional information relevant to this assessment is available on the PINS website: https://national-infrastructure-consenting.planninginspectorate.gov.uk/projects/EN010154	
Information Sources (Where appropriate documents are contained in appendices with data extracts provided and summarised within pertinent sections of this report. List not exhaustive)	Online Source	Natural England Provisional Agricultural Land Classification Grade (pre-1988), accessed via Magic Web Mapping Service, DEFRA, 2024.
		Natural England Agricultural Land Classification Grades Post-1988 Surveys (Polygons) Database and Mapping, accessed via Magic Web Mapping Service, DEFRA, 2024.
		British Geological Survey (BGS) Database and Mapping.
		BGS Geoindex Web Mapping Service.
		BGS 1: 50,000 scale Provisional Series, Geological Map, England and Wales, Sheet 114 (Lincoln), available on the BGS map portal.
		Google Historic Satellite Imagery.
	Documentation Source	National Library of Scotland Historical Ordnance Survey England and Wales, 1830-1956 Maps.
		Soil Classification for Soil Survey, Monographs on Soil Survey, Butler, B E (1980), Clarendon Press, Oxford.
		Hodgson, J.M (ed.) (2022). <i>Soil Survey Field Handbook</i> . Soil Survey Technical Monograph No. 5, Cranfield.
		Meteorological Office (Met Office), 1989, Climatological Data for Agricultural Land Classification – Gridpoint Datasets of Climatic Variables, at 5km intervals, for England and Wales.
		MAFF, 1988, Agricultural Land Classification of England and Wales – Revised Guidelines and Criteria for Grading the Quality of Agricultural Land.
		Natural England, Technical Information Note TIN049 Second Edition, 2012.
	Previous Reports	Soils and their use in Eastern England, 1984, Soil Survey of England and Wales Memoir and accompanying 1:250,000 scale map.
		No previous reports, including Post-1988 ALC surveys, are available for the site. REL have previously issued four reports for this site, as are listed in Section 4 of this report. This document forms a consolidated report for the project.
	Site Works	The site works were undertaken by REL in August and October 2024. These support the site works previously undertaken during April, May and October 2023.
	Report Constraints	The survey boundary differs very slightly to the Site Boundary in the PEI Report. This does not materially affect the results or conclusions of this report. This report will be updated for the purpose of the DCO Submission together with any other Site Boundary changes that occur following statutory consultation.

2. Site Details

National Grid Ref.	Approximate centre of the site: 490329, 362661
Ground Level Topography	Range 10-25m AOD, average for site: c11m AOD
Site Area	1071 hectares (ha).
Location	The subject site is located south and southwest of Lincoln City centre.



Figure 1: Site Boundaries (highlighted in red)

Current Site Description and Usage	The subject site comprises agricultural fields which are mostly used for arable crop (based on observations made during the site visit), the crop was viewed as Wheat and Maize.
Surrounding Land Uses	Surrounding land uses comprise agricultural fields, residential dwellings, main roads and two water treatment centres.
Site History	From the earliest mapping dated 1830, the site is shown as agricultural land.
Current Grading	The site is currently mapped as Grade 2 and Grade 3 on the provisional 1: 250,000 scale ALC map (MAFF, 1983) see Appendix V for key to the gradings.

3. Methodology

Desk Study

Using published data sources, an initial desk-based study has been undertaken to provide a reconnaissance of the general site characteristics, including soil type(s) and agricultural classification.

Where available, Post-1988 ALC Surveys (undertaken at varying scales and levels of detail, ranging from 1:5,000 to 1:50,000 scale) have been consulted. Surveys included on this map provide the most detailed and up to date ALC grading following surveys between 1989 and 1999 by MAFF (now part of DEFRA).

Climatological data provided by the Met Office has been used to determine the overriding agroclimatic site limitations, using interpolated values based on the central point of the site.

Intrusive Soil Survey

The intrusive soil survey comprised at least one hand auger boring per hectare to a depth of 1.20m below ground level (where achievable) in accordance with current guidance. These were undertaken to examine the soil profiles, using standard soil survey methods.

In addition, in order to determine subsoil structure, at least one inspection pit has been excavated for each soil type encountered.

ALC Grade Assessment

All factors have been considered (listed in **Appendix V**), including those which pose no limitation on the ALC grading for the site.

Using the information collected during the site survey and the MAFF ALC guidance documents, an ALC grade was then determined for the site (**Appendix I**). A brief overview of relevant terminology is included in **Appendix V**.

4. Desk Based Reconnaissance

Prior to the intrusive site investigation, a review of available desk-based information was undertaken. Pertinent information has been summarised below.

Climate Data

Using the climatological data set (Met Office, 1989) the following information (**Table 1**) has been calculated for the site. Calculations comprised altitude adjustment and interpolation, using the formula presented within the data set.

Table 1: Summary of Agroclimatic Data for the Site

(Site Centre Grid Reference 490329, 362661)		
Average Annual Rainfall (mm)	AAR	591.1
Accumulated Temperature (°C)	ATO	1421.3
Field Capacity Duration (Days)	FCD	116.1
Moisture Deficit Wheat (mm)	MDWHT	113.7
Moisture Deficit Potatoes (mm)	MDPOT	107.0

The site is identified to have average AAR and ATO with a slightly below average FCD when compared to the mapped values for the area west of Lincoln (Soils and their Use in Eastern England, 1984).

Using the AAR and ATO values within **Table 1**, the site is considered to be **ALC Grade 1** according to climate (Figure 1, MAFF 1988). Therefore, climate is considered to not be a limiting factor on the site.

Topography

The site was identified to have a gradient between 0° and 3°, therefore topography is identified to not be a limiting factor of the ALC grade of the site (Table 1, MAFF 1988).

BGS Published Data

A review of BGS publicly available mapping has identified that no Made Ground areas are indicated across the site. The site is situated within an area where the centre and northwest of the site is mainly free from superficial deposits. Superficial deposits of the Balderton Member (sand and gravel) may be present on the north and west of the site, with the centre and south of the site being underlain by a succession of River terrace Deposits (sand and gravel), Alluvium (clay, silt, sand and gravel), the Balderton Sand and Gravel Member and the Flubeck Sand

and Gravel Member. Where the site is shown to be free from superficial deposits, it should be assumed that residual soils are present, comprising clay, sand or gravel derived from the *in-situ* weathering of bedrock.

The bedrock geology is indicated as the Scunthorpe Mudstone Formation (interbedded mudstone and limestone) across the west of the site and the Charmouth Mudstone Formation across the east of the site.

Published Soils Data

The approximate site location is indicated below in **Figure 2**, an extract of the Soil Mapping plan (Soils and their use in Eastern England, 1984).

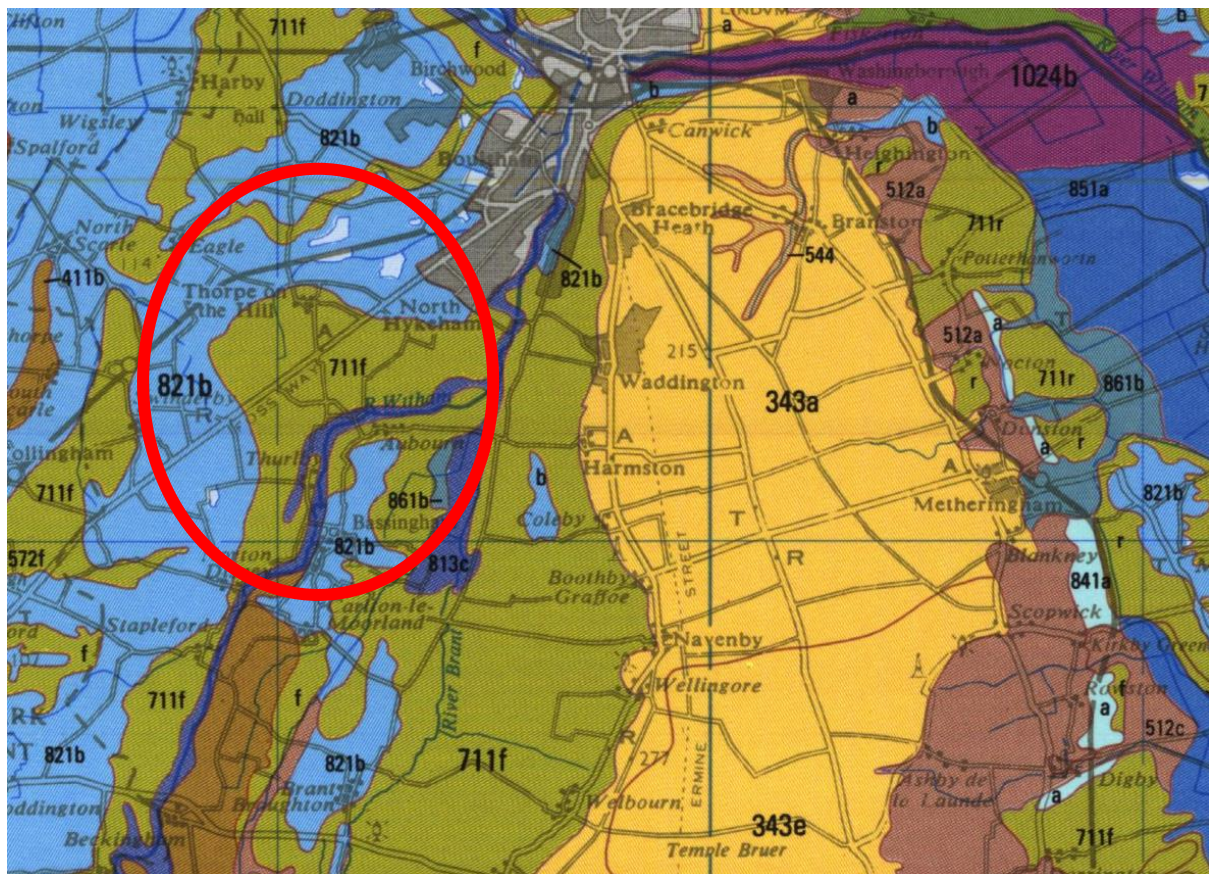


Figure 2: Soils Mapping for the Site and Surrounding Area (site location indicated in red)

The majority of the site is recorded as having soils of the Wickham 2 association (711f), described as slowly permeable seasonally waterlogged fine loamy over clayey, fine silty over clayey and clayey soils with small areas of slowly permeable calcareous soils on steeper slopes, or Blackwood association (821b), described as deep permeable sandy and coarse loamy soils with groundwater controlled by ditches, across the west of the site.

In addition, there are also small areas of the Fladbury 2 association (813c), described as stoneless clayey soils variably affected by groundwater, some with sandy subsoils, with some similar fine loamy soils, and the Isleham 2 series (861b), described as deep permeable sandy and peaty soils affected by groundwater.

Previous Reports

No previous third party ALC reports are available for the site.

A post-1988 ALC report is available for a site at Whisby Quarry, adjacent to the far north of the site. This report indicated the site to be a mix of ALC Grade 2, 3a and 3b.

In addition, post-1988 ALC survey mapping for land at Morton, adjacent to the northern part of the site, indicates that the land surveyed was a mix of ALC Grade 2, 3a and 3b.

This document is issued as a consolidated report for the following REL reports:

- ALC Report, Fosse Green Energy Park, report reference: 230407.R.001, dated: April 2023;
- ALC Report, Fosse Green Energy Park, report reference: 230407.R.002, dated: June 2023;
- ALC Report, Fosse Green Energy Park, report reference: 230407.R.003, dated: August 2023;
- ALC Report Addendum, Fosse Green Energy Park, report reference: 230407.01.AC.01, dated: November 2023.

Flood Risk Assessment

Since the ALC guidance document was published in 1988, the Environment Agency (EA) has updated the way the risk of flooding is assessed. Therefore, the terms used in the 1988 guidance (Table 2, MAFF 1988) have been paired to the current EA flood risk classifications below (**Table 2**). The impact of flood risk is then assessed to confirm if it can pose a limitation to the ALC grade of the site, in accordance with the guidance available (MAFF, 1988).

Table 2: Summary of Flood Risk for the Site

EA Flood Classification	MAFF Flood Classifications
Zone 3a High Probability	Frequent
Zone 3b Functional Floodplain	Frequent
Zone 2 Medium Probability	Occasional
Zone 1 Low Probability	Rare to Very Rare

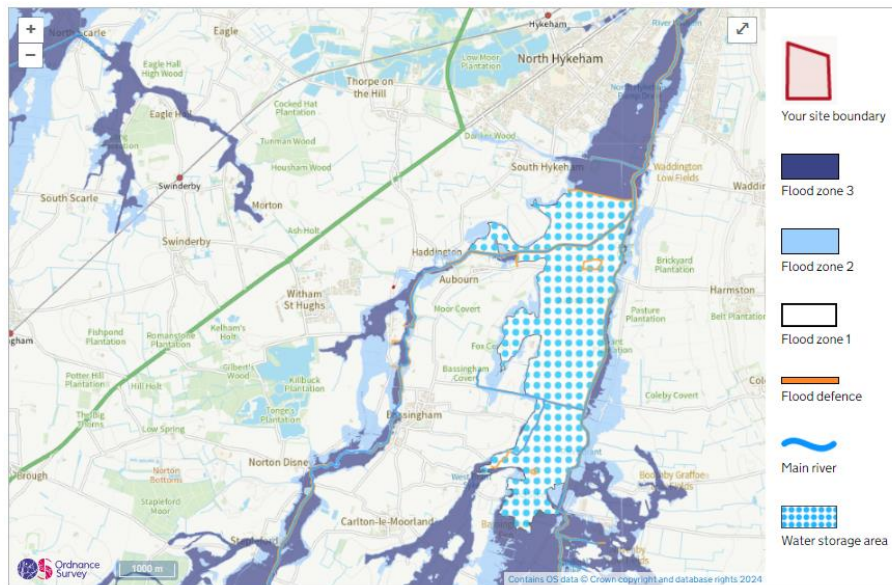


Figure 3: Flood Risk Present from Rivers and the Sea for the Site and Surrounding Area

The interactive EA Flood Map for Planning on the UK Government website identifies small areas of the site to be within Flood Zone 3 (High Probability) and Flood Zone 2 (Medium Probability). However, the majority of the site is within Flood Zone 1 (Low Probability) (**Figure 3**).

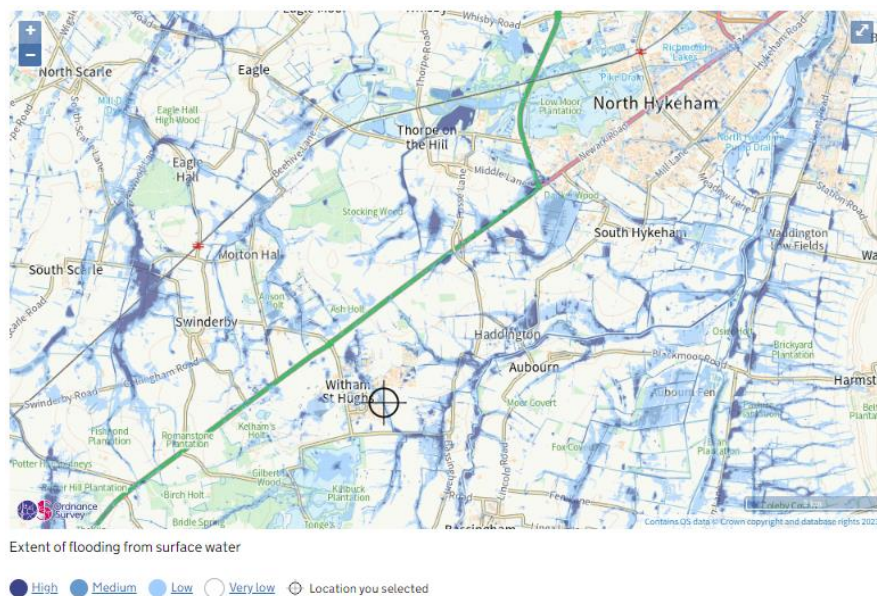


Figure 4: Flood Risk Present from Surface Water for the Site (approximate centre of site shown with cross)

Small discrete areas across the site, associated with an unnamed watercourses present, are denoted as having a Medium to High risk of flooding from surface water/watercourses (**Figure 4**).

The impact of flood risk is assessed to confirm if it can pose a limitation to the ALC grade of the site (MAFF, 1988). The areas impacted by flooding are considered to be impacted on an

Occasional Frequency and Medium Duration and a Frequent Frequency and Short Duration (**Table 3**).

Table 3: Summary of Flood Risk for the Site from EA Data

ALC Grade	Frequency and Duration	Area Affected (ha)
1	Rare (short)	1017.00
2	Rare (medium)	0.00
	Occasional (short)	
3a	Rare (long)	54.00
	Occasional (medium)	
	Frequent (short)	
3b	Occasional (long)	0.00
	Frequent (medium)	
4	Frequent (long)	0.00

It is considered that due to the impacted areas being so small in comparison to the size of the site, it is unlikely that it would be possible to cultivate these areas using different techniques to the rest of the field. Therefore the flood risk is not considered to pose enough of a limitation to the cultivation of the surrounding areas to reduce the ALC Grade outside of these discrete areas.

5. Investigative Survey Findings

The survey identified Four Soil Types across the entire site. Generalised profiles of the soil types encountered have been described as below (**Table 4**) however, please note some localised variations were recorded. Complete soil logs are provided in **Appendix II** and photographs of the surveyed soils are presented in **Appendix III**.

Table 4: Summary of Soils Identified on Site

	Depth (cm)	Texture	Munsell Colour	Stones (%)	Mottles	Structure
Soil Type 1	0-25	Loamy Medium Sand (LMS)	Very Dark Brown (10YR 2/2)	5	No	Fine Subangular Blocky
	25-70	Loamy Coarse Sand (LCS)	Strong Brown (7.5YR 5/6)	15	No	Medium Subangular Blocky
	70-100	Loamy Coarse Sand (LCS)	Brown (7.5YR 5/2)	15	No	Angular Blocky
Soil Type 2	0-20	Sandy Clay Loam (SCL)	Very Dark Grey (10YR 3/1)	5	No	Medium Subangular Blocky
	20-70	Sandy Clay (SC)	Dark Yellowish Brown (10YR 4/4)	15	Many Medium Grey (GLEY 2 7/1 5B) and Ochreous (10YR 6/8)	Moderate Coarse Prismatic
	70-120	Sandy Clay (SC)	Yellowish Brown (10YR 5/4)	15	Many Medium Grey (10YR 7/2)	Strong Coarse Prismatic
Soil Type 3	0-20	Heavy Silty Clay Loam (HZCL)	Dark Brown (7.5YR 3/3)	15	No	Medium Subangular Blocky
	20-120	Silty Clay (ZC)	Yellowish Brown (10YR 5/4)	15	Numerous Medium Ochreous (7.5YR 5/8) and Grey (GLEY 15/10Y) Mottles	Moderate Coarse Prismatic
Soil Type 4	0-35	Heavy Clay Loam (HCL)	Dark Grey (10YR 4/1)	5	No	Medium Subangular Blocky
	35-105	Clay (C)	Greyish Brown (10YR 5/2)	5	Many Medium Ochreous (10YR 6/8)	Moderate Coarse Prismatic
	105-120	Clay (C)	Grey (10YR 6/1)	15	Many Medium Ochreous (7.5YR 5/6)	Strong Coarse Prismatic

The general profiles for the soil types identified on the Site has been used to assess the Wetness Class (WC) for the Soil Type (see **Appendix V** for the MAFF decision flow chart). The general profile is reflective of the findings in the soil pit associated with the Soil Type identified on site. The assessment process and results of the in-field wetness assessment is provided within **Table 5** below with a plan of the distribution of the soil types across the site shown in **Appendix I**.

Table 5: Wetness Class Assessment for Soil Types Encountered on Site

Soil Type	Parameters (Figure 6, MAFF)						Wetness Class
	Disturbed	FCD	SPL (depth cm) Justification	Colour	Gleying (depth cm) Justification	Ref	
Type 1	No	116.1	NA	Other	No Gleying within 100cm	NA	I
Type 2	No	116.1	At a depth of 20cm, the SPL was identified to be present due to the following characteristics: Sandy Clay (SC) coarse prismatic structure weakly developed less than 0.50% biopores greater than 0.50 mm diameter evidence of wetness in the layer; gleying	Other	Gleyed (<40cm) Many Medium Ochreous and Grey Mottles from 20cm with greyish ped face colours dominant	Fig 7	III
Type 3	No	116.1	At a depth of 20cm, the SPL was identified to be present due to the following characteristics: Silty Clay (ZC) coarse prismatic structure weakly developed less than 0.50% biopores greater than 0.50 mm diameter evidence of wetness in the layer; gleying	Other	Gleyed (<40cm) Greyish colours dominant on ped faces with Many Medium Ochreous and Grey mottles	Fig 8	III

Soil Type	Parameters (Figure 6, MAFF)						Ref	Wetness Class
	Disturbed	FCD	SPL (depth cm)	Colour	Gleying (depth cm)			
			Justification		Justification			
Type 4	No	116.1	At a depth of 35cm, the SPL was identified to be present due to the following characteristics: Clay (C) coarse prismatic structure weakly developed less than 0.50% biopores greater then 0.50 mm diameter evidence of wetness in the layer; gleying	Other	Gleyed (<40cm) Greyish colours dominant in the matrix with Many Medium Ochreous mottles	Fig 7	III	

Notes: This Table follows the flow chart of Figure 6 of the MAFF ALC guidance to identify the wetness classification per Soil Type.

Wetness Class Limitations

Using the ALC guidance (MAFF 1988), the above Wetness Classes (which are I, II, III, IV & V), combined with the soil texture of the top 25cm and the number of Field Capacity Days, results in the following ALC Grades for a Wetness limitation:

Soil Type 1 – Loamy Medium Sand topsoil, Wetness Class I, 116.1 Field Capacity Days, results in **Grade 2**.

Soil Type 2 – Sandy Clay Loam topsoil, Wetness Class III, 116.1 Field Capacity Days, results in **Grade 3a**.

Soil Type 3 – Heavy Silty Clay Loam topsoil, Wetness Class III, 116.1 Field Capacity Days, results in **Grade 3b**.

Soil Type 4 – Heavy Clay Loam topsoil, Wetness Class III, 116.1 Field Capacity Days, results in **Grade 3b**.

6. Conclusions and Recommendations

The site has been identified to comprise four Soil Types, summarised in **Table 4**, overall findings of this assessment can be found in **Appendix IV**. The ALC grading for the site area is summarised below within, overall findings of this assessment can be found in **Appendix IV**. The table identifies the grade of the areas of agricultural land and also provides the area of the non-agricultural land present across the site (**Table 6**).

Soil Limitations

Soil Type 1 - Droughtiness Limitation

The combination of the soil texture (Loamy Sand) and the number of Field Capacity Days (116.1) results in **ALC Grade 3b** for Soil Type 1 with a Droughtiness limitation for Wheat and Potatoes on these soils.

Soil Type 2 - Droughtiness Limitation

The combination of the soil texture (Sandy Clay Loam / Sandy Clay) and the number of Field Capacity Days (116.1) results in **ALC Grade 3a** for Soil Type 2 with a Droughtiness limitation for Potatoes on these soils.

Soil Type 2 - Wetness Limitation

The combination of the topsoil texture (Sandy Clay Loam), Wetness Class (III) and the number of Field Capacity Days (116.1) results in **ALC Grade 3a** for Soil Type 2.

Soil Type 3 - Wetness Limitation

The combination of the topsoil texture (Heavy Silty Clay Loam), Wetness Class (III) and the number of Field Capacity Days (116.1) results in **ALC Grade 3b** for Soil Type 3.

Soil Type 4 - Wetness Limitation

The combination of the topsoil texture (Heavy Clay Loam), Wetness Class (III) and the number of Field Capacity Days (116.1) results in **ALC Grade 3b** for Soil Type 4.

Table 6: ALC Grades

ALC Grade	Area (Ha)	Percentage
Grade 1	0.0	0.0%
Grade 2	0.0	0.0%
Subgrade 3a	241.0	22.50%
Subgrade 3b	790.0	73.76%
Grade 4	0.0	0.0%
Grade 5	0.0	0.0%
Non-Agricultural	40.0	3.74%
Total BMV	241.0	22.50%
Total Non-BMV	830.0	77.50%
Total Site Area	1071.0	100%

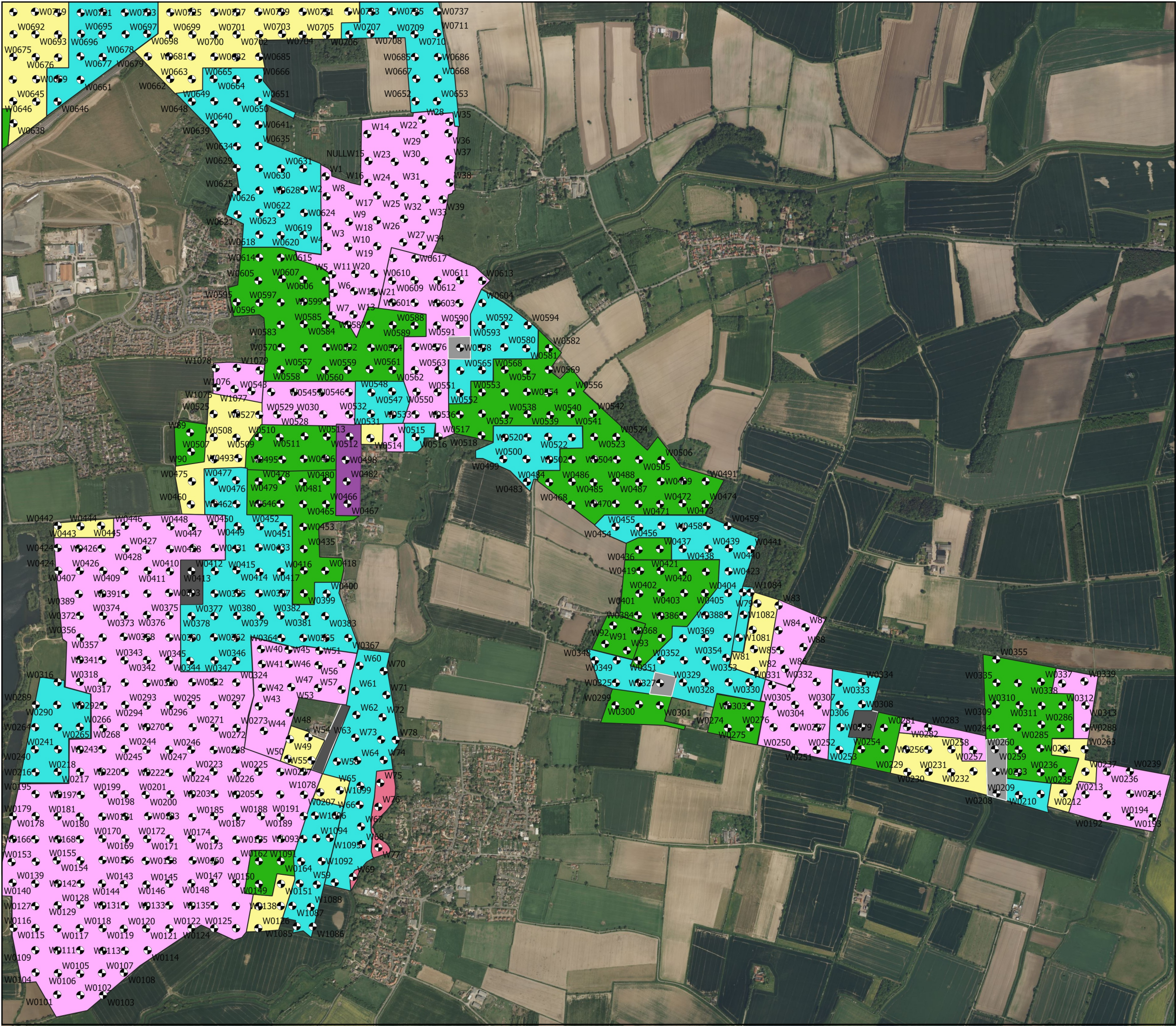
Overall Site ALC Grade and Conclusions

40ha (3.74%) of land was identified as Urban, Woodland, Made Ground, inaccessible or Livestock areas. 241ha (22.50%) of the site is indicated as **ALC Grade 3a** and 790ha (73.76%) as **ALC Grade 3b**. Limitations relate to either Droughtiness or Wetness limitations.

Best and Most Versatile (BMV) agricultural land has been identified on the site, however, the majority of the site (73.76%) is indicated as **ALC Grade 3b**. 16ha of the Principal Site was inaccessible during the survey works.

APPENDIX I

SITE PLANS



Legend

- Borehole Locations
- Soil Type 1
- Soi type 2
- Soil Type 3
- Soil Type 4
- Urban Area
- Live Stock
- Inaccessible Area
- Woodland

0 100 200 300 400 500 m

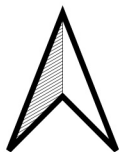
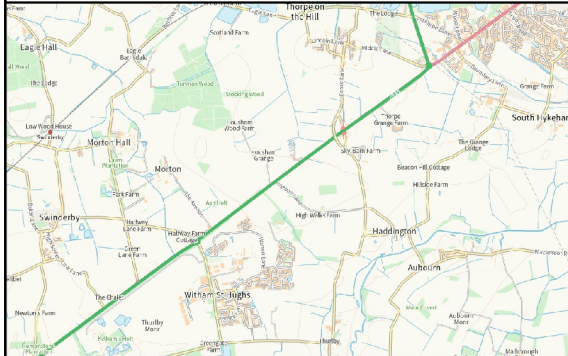
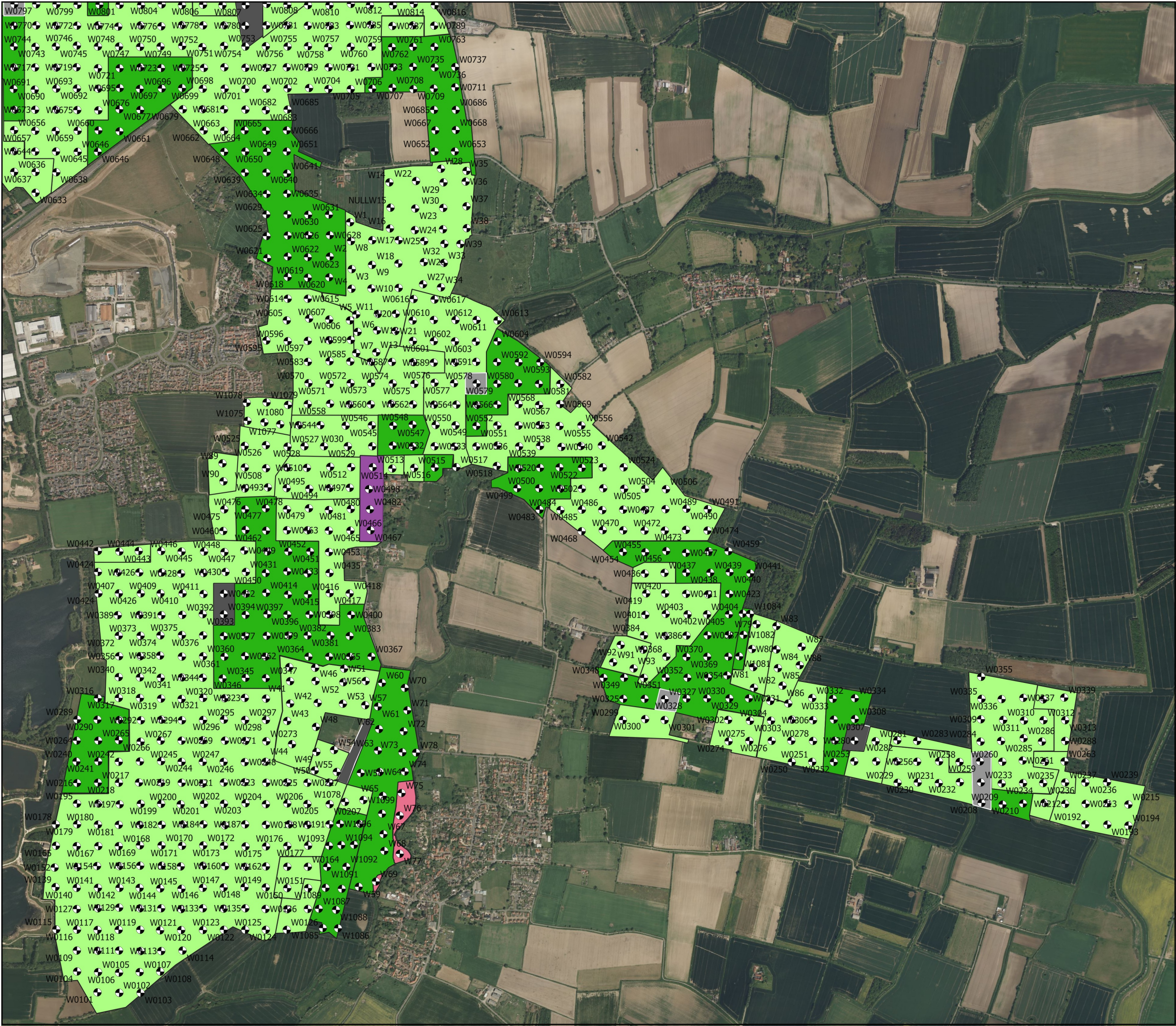


Figure Exploratory Borehole Locations and Soil type		
Job Fosse Green Energy		
Client Fosse Green Energy Limited		
Figure No. 3	Revision 1	Date 15 October 2024
Drawn by CD	Checked by LM	Scale 1:16,000
Job No. 230407		
		
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Legend

- Borehole Locations
- Grade 3a
- Grade 3b
- Urban Area
- Live Stock
- Inaccessible Area
- Woodland

Figure Exploratory Borehole Locations and ALC Grade		
Job Fosse Green Energy		
Client Fosse Green Energy Limited		
Figure No. 4	Revision 1	Date 15 October 2024
Drawn by CD	Checked by LM	Scale 1:17,000
Job No. 230407		
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C:\Users\Roberts-lap-03\Desktop\QGIS\gis_user_local (230407 Stapleford Lincoln)\gis_user_local (RENAME FOR PROJECT)\proj01-23045-67 Site Name.aprx

APPENDIX II

SITE SURVEY LOGS

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W101	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W102	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W103	0-35	HCL	5	*	SAB	35-100	C	5	N-O	CP	100-120	C	15	N-O	CP					
W104	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W105	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W106	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W107	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W108	0-30	HCL	5	*	SAB	30-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W109	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W110	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W111	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W112	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W113	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W114	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W115	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W116	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W117	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W118	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W119	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W120	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W121	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W122	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W123	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W124	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W125	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W126	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W127	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W128	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W129	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W130	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W131	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W132	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W133	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W134	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W135	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W136	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W137	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W138	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W139	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W140	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W141	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W142	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W143	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W144	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W145	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W146	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W147	0-25	HZCL	5	*	SAB	25-120	ZC	5	F-O/X	CP										
W148	0-25	HZCL	5	*	SAB	25-120	ZC	5	F-O/X	CP										
W149	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W150	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-100	ZS	*	F-O	AB					
W151	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W152	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W153	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W154	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W155	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W156	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W157	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W158	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W159	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W160	0-25	HZCL	5	*	SAB	25-120	ZC	5	F-O/X	CP										
W161	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W162	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W163	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	SAB					
W164	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	SAB					
W165	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W166	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W167	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W168	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W169	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W170	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W171	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W172	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W173	0-25	HZCL	5	*	SAB	25-120	ZC	5	F-O/X	CP										
W174	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W175	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W176	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W177	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W178	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W179	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W180	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W181	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W182	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W183	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W184	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W185	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W186	0-25	HZCL	5	*	SAB	25-120	ZC	5	F-O/X	CP										
W187	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W188	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W189	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W190	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W191	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W192	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W193	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W194	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W195	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W196	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W197	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W198	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W199	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W200	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W201	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W202	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W203	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W204	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W205	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W206	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W207	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W208	WOODLAND																			
W209	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W210	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W211	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W212	0-35	HCL	5	*	SAB	35-105	SC	5	N-O	CP	105-120	SC	15	N-O	CP					
W213	0-35	HCL	5	*	SAB	35-105	SC	5	N-O	CP	105-120	SC	15	N-O	CP					
W214	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W215	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W216	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W217	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W218	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W219	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W220	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W221	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W222	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W223	0-30	HCL	5	F-O	SAB	30-100	C	5	F-O/X	CP										
W224	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W225	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W226	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W227	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W228	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W229	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W230	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W231	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W232	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W233	WOODLAND																			
W234	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-95	ZS	*	F-O	SAB					
W235	0-35	HZCL	5	*	SAB	35-50	ZS	5	F-O	SAB	50-120	ZS	*	F-O	SAB					
W236	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-95	ZS	*	F-O	SAB					
W237	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W238	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W239	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W240	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W241	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W242	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W243	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W244	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W245	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W246	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W247	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W248	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W249	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W250	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W251	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W252	0-25	SCL	15	*	SAB	25-50	SC	15	F-X	CP	55-120	SC	15	N-O	CP					
W253	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	SAB					
W254	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	SAB					
W255	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W256	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W257	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W258	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W259	WOODLAND																			
W260	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	SAB					
W261	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	SAB					
W262	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W263	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W264	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W265	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W266	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W267	0-20	HCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W268	0-20	HCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W269	0-20	HCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W270	0-20	HCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W271	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W272	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W273	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W274	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W275	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W276	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W277	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W278	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W279	0-25	SCL	15	*	SAB	25-50	SC	15	F-X	CP	55-120	SC	15	N-O	CP					
W280	No Access - Livestock																			
W281	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	AB					
W282	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W283	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W284	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	AB					
W285	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	AB					
W286	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	AB					
W287	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	AB					
W288	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W289	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W290	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W291	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W292	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W293	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W294	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W295	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W296	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W297	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W298	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W299	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W300	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W301	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W302	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W303	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W304	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W305	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W306	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W307	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W308	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W309	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	AB					
W310	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	AB					
W311	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	AB					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W312	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	AB					
W313	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W314	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W315	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W316	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W317	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W318	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W319	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W320	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W321	0-30	HCL	5	F-O	SAB	30-120	C	5	F-O/X	CP										
W322	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W323	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W324	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W325	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W326	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W327											WOODLAND									
W328	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W329	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W330	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W331	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	F-X	CP					
W332	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W333	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W334	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W335	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W336	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W337	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W338	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W339	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W340	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W341	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W342	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W343	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W344	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W345	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W346	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W347	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W348	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W349	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W350	0-25	LMS	5	*	SAB	25-40	ZS	5	F-O	AB	40-100	ZS	5	F-O	AB					
W351	0-20	SCL	5	*	SAB	20-50	SC	5	F-O/X	AB	50-110	CL	5	F-O	AB					
W352	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W353	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W354	0-30	SCL	15	*	SAB	30-60	SC	5	F-O/X	AB	60-120	CL	5	F-O	AB					
W355	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-120	ZS	*	F-O	AB					
W356	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W357	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W358	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W359	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W360	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W361	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W362	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W363	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W364	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-100	C	5	F-O	CP					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W365	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-100	C	5	F-O	CP					
W366	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-100	C	5	F-O	CP					
W367	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-100	C	5	F-O	CP					
W368	0-20	LMS	5	*	SAB	20-55	ZS	5	F-O	AB	55-90	ZS	5	F-O	AB					
W369	0-40	SCL	15	F-O	SAB	40-70	SC	5	F-O/X	AB	70-120	CL	5	F-O	AB					
W370	0-35	SCL	15	*	SAB	35-80	SC	5	MMO	AB	80-110	CL	5	F-O	AB					
W371	0-30	SCL	15	*	SAB	30-60	SC	5	F-O/X	AB	60-95	CL	5	F-O	AB					
W372	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W373	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W374	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W375	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W376	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W377	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W378	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W379	0-25	SCL	5	*	SAB	25-50	SC	5	*	CP	50-110	SC	5	*	CP					
W380	0-25	SCL	5	*	SAB	25-50	SC	5	*	CP	50-110	SC	5	*	CP					
W381	0-25	SCL	5	*	SAB	25-50	SC	5	*	CP	50-110	SC	5	*	CP					
W382	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	50-110	C	5	F-O	CP					
W383	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	50-110	C	5	F-O	CP					
W384	0-25	LMS	5	*	SAB	25-40	ZS	5	F-O	AB	40-100	ZS	5	F-O	AB					
W385	0-20	LMS	5	*	SAB	20-65	ZS	5	MMO/X	AB	65-105	ZS	5	F-O	AB					
W386	0-15	LMS	5	*	SAB	15-45	ZS	5	F-O	AB	45-80	ZS	5	F-O	AB					
W387	0-30	SCL	15	*	SAB	30-60	SC	5	F-O/X	AB	60-120	CL	5	F-O	AB					
W388	0-35	SCL	15	*	SAB	35-70	SC	5	F-O/X	AB	70-90	CL	5	F-O	AB					
W389	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W390	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W391	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W392	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W393	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W394	No access - Livestock																			
W395	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W396	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W397	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	50-110	C	5	F-O	CP					
W398	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	AB	40-120	CL	5	F-O	AB					
W399	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-105	ZS	*	F-O	AB					
W400	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	AB	40-120	CL	5	F-O	AB					
W401	0-25	LMS	5	*	SAB	25-50	ZS	5	F-O	AB	50-75	ZS	5	F-O	AB					
W402	0-25	LMS	5	*	SAB	25-40	ZS	5	F-O	AB	40-100	ZS	5	F-O	AB					
W403	0-35	LMS	5	*	SAB	35-80	ZS	5	MMO	AB	80-120	ZS	5	F-O	AB					
W404	0-30	LMS	5	*	SAB	30-75	ZS	5	F-O	AB	75-105	ZS	5	F-O	AB					
W405	0-30	SCL	15	*	SAB	30-60	SC	5	F-O/X	AB	60-120	CL	5	F-O	AB					
W406	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W407	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W408	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W409	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W410	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W411	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W412	No access - Livestock																			
W413	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W414	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W415	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	AB	40-110	CL	5	F-O	AB					
W416	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	AB	40-110	CL	5	F-O	AB					
W417	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-100	ZS	*	F-O	AB					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W418	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-100	ZS	*	F-O	AB					
W419	0-25	LMS	5	*	SAB	25-55	ZS	5	F-O	AB	55-105	ZS	5	F-O	AB					
W420	0-20	LMS	5	*	SAB	20-65	ZS	5	F-O	AB	65-95	ZS	5	F-O	AB					
W421	0-25	LMS	5	*	SAB	25-70	ZS	5	F-O	AB	70-110	ZS	5	F-O	AB					
W422	0-15	LMS	5	*	SAB	15-50	ZS	5	F-O	AB	50-90	ZS	5	F-O	AB					
W423	0-40	SCL	15	*	SAB	40-90	SC	5	F-O/X	AB	90-110	CL	5	F-O	AB					
W424	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W425	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W426	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W427	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W428	0-30	HCL	35	*	AB	30-120	C	15	F-O/X	CP										
W429	0-30	HCL	35	*	AB	30-120	C	15	F-O/X	CP										
W430	0-30	HCL	35	*	AB	30-120	C	15	F-O/X	CP										
W431	0-30	HCL	35	*	AB	30-120	C	15	F-O/X	CP										
W432	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-120	C	5	F-O	CP					
W433	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-120	C	5	F-O	CP					
W434	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-120	C	5	F-O	CP					
W435	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-120	ZS	*	F-O	AB					
W436	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-120	ZS	*	F-O	AB					
W437	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-120	ZS	*	F-O	AB					
W438	0-25	SCL	15	*	SAB	25-110	SC	15	F-X	CP										
W439	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W440	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W441	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W442	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-95	ZS	*	F-O	AB					
W443	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-95	ZS	*	F-O	AB					
W444	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-95	ZS	*	F-O	AB					
W445	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W446	0-30	HCL	5	*	AB	60-60	C	0	O	CP	60-120	C	0	O	CP					
W447	0-30	HCL	5	*	AB	60-60	C	0	O	CP	60-120	C	0	O	CP					
W448	0-30	HCL	35	*	AB	30-120	C	15	F-O/X	CP										
W449	0-30	HCL	35	*	AB	30-120	C	15	F-O/X	CP										
W450	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-110	CL	5	F-O	CP					
W451	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-95	CL	5	F-O	CP					
W452	0-25	SCL	15	*	SAB	25-40	SC	5	F-O/X	CP	40-120	CL	5	F-O	CP					
W453	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-90	ZS	*	F-O	AB					
W454	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W455	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W456	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W457	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W458	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W459	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W460	0-40	HZCL	5	F-X	SAB	40-75	ZC	5	F-X	CP	75-95	ZC	15	F-X	CP					
W461	0-20	SCL	15	*	SAB	20-60	SC	5	F-O/X	AB	60-120	CL	5	F-O	AB					
W462	0-25	SCL	15	*	SAB	25-55	SC	5	F-O/X	AB	55-75	CL	5	F-O	AB					
W463	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W464	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W465	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W466	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W467											No access - Livestock									
W468	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W469	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W470	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W471	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W472	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W473	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W474	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W475	0-30	HZCL	5	*	SAB	30-70	ZC	5	F-X	CP	70-105	ZC	15	F-X	CP					
W476	0-35	SCL	15	*	SAB	35-80	SC	5	F-O/X	AB	80-120	CL	5	F-O	AB					
W477	0-45	SCL	15	F-O	SAB	45-90	SC	5	F-O/X	AB	90-110	CL	5	F-O	AB					
W478	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W479	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W480	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W481	0-50	MZCL	15	*	AB	50-120	S	5	FX	AB										
W482																				
No access - Livestock																				
W483	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	SAB										
W484	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-110	ZS	*	F-O	AB					
W485	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W486	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W487	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W488	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W489	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	AB					
W490	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-105	ZS	*	F-O	AB					
W491	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W492	0-25	HZCL	5	*	SAB	25-40	ZC	5	F-X	CP	40-90	ZC	15	F-X	CP					
W493	0-20	HZCL	5	*	SAB	20-50	ZC	5	F-X	CP	50-75	ZC	15	F-X	CP					
W494	0-30	MZCL	10	*	SAB	30+	S	5	G	AB										
W495	0-30	MZCL	10	*	SAB	30+	S	5	G	AB										
W496	0-30	MZCL	10	*	SAB	30+	S	5	G	AB										
W497	0-30	MZCL	10	*	SAB	30+	S	5	G	AB										
W498																				
No access - Livestock																				
W499	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W500	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W501	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W502	0-25	LMS	5	*	AB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W503	0-25	LMS	5	*	AB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W504	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	SAB	70-100	LCS	15	F-O/X	SAB					
W505	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	SAB	70-100	LCS	15	F-O/X	SAB					
W506	0-25	LMS	5	*	AB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W507	0-15	HZCL	5	*	SAB	15-35	ZC	5	F-X	CP	35-70	ZC	15	F-X	CP					
W508	0-25	HZCL	5	*	SAB	25-55	ZC	5	F-X	CP	55-75	ZC	15	F-X	CP					
W509	0-25	HZCL	5	*	SAB	25-65	ZC	5	F-X	CP	65-95	ZC	15	F-X	CP					
W510	0-30	MZCL	10	*	SAB	30+	S	5	G	AB										
W511	0-25	HCL	5	*	AB	25-120	SC	0	G	SAB										
W512	0-25	HCL	5	*	AB	25-120	SC	0	G	SAB										
W513																				
No access - Livestock																				
W514	0-25	HZCL	5	*	SAB	25+	ZC	0	*	AB										
W515	0-30	HCL	35	*	AB	30-120	C	15	FXO	CP										
W516	0-30	SZL	10	*	SA	30-70	SC	10	GO	SAB										
W517	0-30	HCL	5	*	AB	30-60	C	0	O	CP	60-120	C	0	O	CP					
W518	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W519	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W520	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W521	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W522	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W523	0-25	LMS	5	*	SAB	25-70	LCS	15	F-O	SAB	70-100	LCS	15	F-O/X	SAB					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W524	0-25	LMS	5	*	SAB	25-70	LCS	15	F-O	SAB	70-100	LCS	15	F-O/X	SAB					
W525	0-30	HZCL	5	*	SAB	30-90	ZC	5	F-X	CP	90-110	ZC	15	F-X	CP					
W526	0-25	HZCL	5	*	SAB	25-60	ZC	5	F-X	CP	60-105	ZC	15	F-X	CP					
W527	0-35	HZCL	5	*	SAB	35-65	ZC	5	F-X	CP	65-95	ZC	15	F-X	CP					
W528	0-30	HCL	15	*	AB	30-120	C	5	FXO	CP										
W529	0-30	HCL	15	*	AB	30-120	C	5	FXO	CP										
W530	0-30	HCL	15	*	AB	30-120	C	5	FXO	CP										
W531	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W532	0-30	SZL	10	*	SA	30-70	SC	10	GP	SAB	70-120	SC	10	G	CP					
W533	0-30	SZL	10	*	SA	30-70	SC	10	GP	SAB	70-120	SC	10	G	CP					
W534	0-30	HCL	5	*	AB	30-60	C	0	O	CP	60-120	C	0	O	CP					
W535	0-30	HCL	5	*	AB	30-60	C	0	O	CP	60-120	C	0	O	CP					
W536	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W537	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	SAB	45-100	ZS	*	F-O	AB					
W538	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W539	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W540	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W541	0-25	LMS	5	*	SAB	25-70	LCS	15	F-O	SAB	70-100	LCS	15	F-O/X	SAB					
W542	0-25	LMS	5	*	SAB	25-70	LCS	15	F-O	SAB	70-100	LCS	15	F-O/X	SAB					
W543	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W544	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W545	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W546	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W547	0-30	SZL	10	*	SA	30-70	SC	10	GO	SAB	70-120	SC	10	G	CP					
W548	0-30	SZL	10	*	SA	30-70	SC	10	GO	SAB	70-120	SC	10	G	CP					
W549	0-30	SZL	10	*	SA	30-70	SC	10	GO	SAB	70-120	SC	10	G	CP					
W550	0-30	HCL	5	*	AB	30-120	C	5	FXO	MCP										
W551	0-25	SCL	15	*	SAB	25-110	SC	15	F-X	CP										
W552	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W553	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W554	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W555	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W556	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W557	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W558	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W559	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W560	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W561	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W562	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W563	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W564	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W565	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W566	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W567	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W568	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W569	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W570	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W571	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W572	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W573	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W574	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W575	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W576	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W577	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W578	0-50	MZCL	15	*	SAB	50-120	S	5	FX	AB										
W579	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W580	0-25	SCL	15	*	SAB	25-100	SC	15	F-X	CP										
W581	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	SAB	70-120	SC	15	N-X	SAB					
W582	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W583	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W584	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W585	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W586	0-25	LMS	5	*	SAB	25-70	LCS	15	N-O	SAB	70-100	LCS	15	N-O/X	AB					
W587	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W588	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W589	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W590	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W591	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W592	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W593	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	SAB	70-120	SC	15	N-X	SAB					
W594	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	SAB	70-120	SC	15	N-X	SAB					
W595	0-30	ZS	5	*	SAB	30-60	ZS	5	*	AB	60-100	SC	5	N-O	AB					
W596	0-30	ZS	5	*	SAB	30-60	ZS	5	*	AB	60-100	SC	5	N-O	AB					
W597	0-30	ZS	5	*	SAB	30-60	ZS	5	*	AB	60-100	SC	5	N-O	AB					
W598	0-30	ZS	5	*	SAB	30-60	ZS	5	*	AB	60-100	SC	5	N-O	AB					
W599	0-30	ZS	5	*	SAB	30-60	ZS	5	*	AB	60-100	SC	5	N-O	AB					
W600	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W601	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W602	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W603	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W604	0-25	SCL	15	*	SAB	25-120	SC	15	F-X	CP										
W605	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W606	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W607	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W608	0-30	ZS	5	*	SAB	30-60	ZS	5	*	SAB	60-100	SC	5	N-O	AB					
W609	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W610	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W611	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W612	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W613	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W614	0-30	ZS	5	*	SAB	30-60	ZS	5	*	AB	60-100	SC	5	N-O	AB					
W615	0-30	ZS	5	*	SAB	30-60	ZS	5	*	AB	60-100	SC	5	N-O	AB					
W616	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W617	0-30	HCL	5	*	AB	30-120	C	5	MXO	CP										
W618	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W619	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W620	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W621	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W622	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W623	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W624	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	SC	35	F-O/X	CP					
W625	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	SC	35	F-O/X	CP					
W626	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	SC	35	F-O/X	CP					
W627	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	SC	35	F-O/X	CP					
W628	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	SC	35	F-O/X	CP					
W629	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W630	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W631	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W632	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W633	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	AB	70-100	LCS	15	F-O/X	SAB					
W634	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W635	0-30	SCL	5	*	MMSAB	30-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W636	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	AB	70-100	LCS	15	F-O/X	SAB					
W637	0-20	LMS	5	*	AB	20-70	LCS	15	F-O	AB	70-100	LCS	15	F-O/X	AB					
W638	0-25	HZCL	5	*	SAB	25-45	ZC	5	F-X	CP	45-110	ZC	15	F-X	CP					
W639	0-20	SCL	5	*	MMSAB	20-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W640	0-20	SCL	5	*	MMSAB	20-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W641	0-20	SCL	5	*	MMSAB	20-50	SC	15	F-O/X	CP	50-120	C	35	F-O/X	CP					
W642	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	AB	70-100	LCS	15	F-O/X	SAB					
W643	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	AB	70-100	LCS	15	F-O/X	SAB					
W644	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W645	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W646	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W647	0-35	SCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W648	0-35	SCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W649	0-35	SCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W650	0-35	SCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W651	0-30	SCL	5	*	MMSAB	30-50	C	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W652	0-30	SCL	5	*	MMSAB	30-65	SC	5	N-O	CP	65-120	SC	5	N-O/X	CP					
W653	0-30	SCL	5	*	MMSAB	30-65	SC	5	N-O	CP	65-120	SC	5	N-O/X	CP					
W654	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	AB	70-100	LCS	15	F-O/X	SAB					
W655	0-25	LMS	5	*	AB	25-70	LCS	15	F-O	AB	70-100	LCS	15	F-O/X	SAB					
W656	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W657	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W658	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W659	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W660	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W661	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W662	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-70	LS	5	N-O/X	AB	70-120	C	5	N-O	CP
W663	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-70	LS	5	N-O/X	AB	70-120	C	5	N-O	CP
W664	0-35	SCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W665	0-35	SCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W666	0-35	SCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W667	0-30	SCL	5	*	MMSAB	30-65	SC	5	N-O	CP	65-120	SC	5	N-O/X	CP					
W668	0-30	SCL	5	*	MMSAB	30-65	SC	5	N-O	CP	65-120	SC	5	N-O/X	CP					
W669	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-65	ZS	*	F-O	AB	65-120	LS	5	N-O/X	AB
W670	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-65	ZS	*	F-O	AB	65-120	LS	5	N-O/X	AB
W671	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-65	ZS	*	F-O	AB	65-120	LS	5	N-O/X	AB
W672	0-20	SCL	15	*	SAB	20-70	SC	15	N-X	SAB	70-120	SC	15	N-O/X	CP					
W673	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W674	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W675	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W676	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W677	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W678	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W679	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W680	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W681	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W682	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W683	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W684	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W685	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W686	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W687	0-25	LMS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W688	0-25	LMS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W689	0-25	LMS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W690	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W691	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W692	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W693	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W694	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W695	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W696	0-40	SCL	5	*	SAB	40-120	SC	15	N-X	CP										
W697	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W698	0-40	SCL	5	*	SAB	40-120	SC	15	N-X	CP										
W699	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W700	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W701	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W702	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W703	0-45	HZCL	5	*	SAB	45-60	ZC	5	F-X	CP	60-95	ZC	15	F-X	CP					
W704	0-25	HZCL	5	*	SAB	25-45	ZC	5	F-X	CP	45-110	ZC	15	F-X	CP					
W705	0-20	HZCL	5	*	SAB	20-50	ZC	5	F-X	CP	50-110	ZC	15	F-X	CP					
W706	0-20	HZCL	5	*	SAB	20-40	ZC	5	F-X	CP	40-100	ZC	15	F-X	CP					
W707	0-15	SCL	15	*	SAB	15-35	SC	5	F-O/X	AB	35-70	CL	5	F-O	AB					
W708	0-35	SCL	15	*	SAB	35-70	SC	5	F-O/X	AB	70-110	CL	5	F-O	AB					
W709	0-30	SCL	15	*	SAB	30-60	SC	5	F-O/X	AB	60-120	CL	5	F-O	AB					
W710	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W711	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W712	0-25	LCS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W713	0-25	LCS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W714	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W715	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W716	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W717	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W718	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W719	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W720	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W721	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W722	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W723	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W724	0-20	SCL	5	*	SAB	20-70	SC	15	N-X	CP	70-120	SC	15	N-X	CP					
W725	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W726	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W727	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W728	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-60	LS	5	N-O/X	AB	60-120	C	5	N-O	CP
W729	0-50	HZCL	5	*	SAB	50-90	ZC	5	F-X	CP	90-120	ZC	15	F-X	CP					
W730	0-20	HZCL	5	*	SAB	20-70	ZC	5	F-X	CP	70-100	ZC	15	F-X	CP					
W731	0-20	HZCL	5	*	SAB	20-65	ZC	5	F-X	CP	65-95	ZC	15	F-X	CP					
W732	0-40	HZCL	5	*	SAB	40-95	ZC	5	F-X	CP	95-100	ZC	15	F-X	CP					
W733	0-25	HZCL	5	*	SAB	25-50	ZC	5	F-X	CP	50-95	ZC	15	F-X	CP					
W734	0-45	SCL	15	*	SAB	45-85	SC	5	F-O/X	AB	85-100	CL	5	F-O	AB					
W735	0-35	SCL	15	*	SAB	35-65	SC	5	F-O/X	AB	65-110	CL	5	F-O	AB					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W736	0-30	SCL	5	*	MMSAB	30-65	SC	5	N-O	CP	65-120	SC	5	N-O/X	CP					
W737	0-30	SCL	5	*	MMSAB	30-65	SC	5	N-O	CP	65-120	SC	5	N-O/X	CP					
W738	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W739	0-35	SCL	5	*	SAB	35-75	ZS	5	N-O	AB	75-100	SCL	5	N-O/X	AB					
W740	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W741	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W742	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W743	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W744	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W745	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W746	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W747	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W748	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W749	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W750	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W751	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W752	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W753	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W754																				
URBAN AREA																				
W755	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W756	0-20	HZCL	5	*	SAB	20-40	ZC	5	F-X	CP	40-95	ZC	15	F-X	CP					
W757	0-20	HZCL	5	*	SAB	20-55	ZC	5	MM-X	CP	55-120	ZC	15	F-X	CP					
W758	0-15	HZCL	5	*	SAB	15-35	ZC	5	F-X	CP	35-110	ZC	15	F-X	CP					
W759	0-30	HZCL	5	*	SAB	30-75	ZC	5	F-X	CP	75-100	ZC	15	F-X	CP					
W760	0-25	HZCL	5	*	SAB	25-45	ZC	5	F-X	CP	45-120	ZC	15	F-X	CP					
W761	0-30	SCL	15	*	SAB	30-60	SC	5	F-O/X	AB	60-120	CL	5	F-O	AB					
W762	0-35	SCL	15	*	SAB	35-75	SC	5	F-O/X	AB	75-110	CL	5	F-O	AB					
W763	0-30	SCL	5	*	MMSAB	30-65	SC	5	N-O	CP	65-120	SC	5	N-O/X	CP					
W764	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W765	0-35	SCL	5	*	SAB	35-75	ZS	5	N-O	AB	75-100	SCL	5	N-O/X	AB					
W766	0-35	SCL	5	*	SAB	35-75	ZS	5	N-O	AB	75-100	SCL	5	N-O/X	AB					
W767	0-35	SCL	5	*	SAB	35-75	ZS	5	N-O	AB	75-100	SCL	5	N-O/X	AB					
W768	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W769	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W770	0-25	HZCL	5	*	SAB	25-60	HZCL	5	N-O/X	AB	60-120	ZC	15	N-O/X	CP					
W771	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W772	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W773	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W774	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W775	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W776	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W777	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W778	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W779	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W780																				
URBAN AREA																				
W781	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W782	0-40	HZCL	5	*	SAB	40-80	ZC	5	F-X	CP	80-100	ZC	15	F-X	CP					
W783	0-45	HZCL	5	F-X	SAB	45-95	ZC	5	F-X	CP	95-120	ZC	15	F-X	CP					
W784	0-30	HZCL	5	*	SAB	30-70	ZC	5	F-X	CP	70-120	ZC	15	F-X	CP					
W785	0-30	HZCL	5	*	SAB	30-75	ZC	5	F-X	CP	75-105	ZC	15	F-X	CP					
W786	0-25	MZCL	5	*	MMSAB	25-75	ZC	5	N-O	CP	75-120	ZL	5	N-O/X	AB					
W787	0-20	HZCL	5	*	SAB	20-55	ZC	5	F-X	CP	55-120	ZC	15	F-X	CP					
W788	0-15	HZCL	5	*	SAB	15-40	ZC	5	F-X	CP	40-90	ZC	15	F-X	CP					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W789	0-25	MZCL	5	*	MMSAB	25-75	ZC	5	N-O/X	CP	75-120	ZC	5	N-O/X	CP					
W790	0-30	ZS	5	*	AB	30-65	ZS	5	N-O/X	AB	65-100	ZS	5	N-O/X	AB					
W791	0-35	HZCL	5	*	SAB	35-75	ZS	5	N-O	AB	75-100	SCL	5	N-O/X	AB					
W792	0-35	HZCL	5	*	SAB	35-75	SC	5	N-O	CP	75-100	SCL	5	N-O/X	AB					
W793	0-35	SCL	5	*	SAB	35-75	SC	5	N-O	CP	75-100	SCL	5	N-O/X	AB					
W794	0-35	SCL	5	*	SAB	35-75	ZS	5	N-O	AB	75-100	SCL	5	N-O/X	AB					
W795	0-30	ZS	5	*	AB	30-65	ZS	5	N-O/X	AB	65-100	ZS	5	N-O/X	AB					
W796	0-30	ZS	5	*	AB	30-65	ZS	5	N-O/X	AB	65-100	ZS	5	N-O/X	AB					
W797	MADE GROUND																			
W798	0-25	HZCL	5	*	SAB	25-60	HZCL	5	N-O/X	CP	60-110	ZC	5	N-O	CP					
W799	0-25	HZCL	5	*	SAB	25-60	HZCL	5	N-O/X	CP	60-110	ZC	5	N-O	CP					
W800	0-35	SCL	5	*	SAB	35-100	SCL	5	F-X	SAB										
W801	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W802	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W803	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W804	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W805	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W806	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W807	URBAN AREA																			
W808	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W809	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W810	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W811	0-30	HZCL	5	*	MSAB	30-120	ZC	5	N-O	CP										
W812	0-30	HZCL	5	*	MSAB	30-120	ZC	5	N-O	CP										
W813	0-25	HZCL	5	*	MMSAB	25-75	ZC	5	N-O	CP	75-120	ZL	5	N-O/X	AB					
W814	0-30	HZCL	5	*	MSAB	30-120	ZC	5	N-O	CP										
W815	0-30	HZCL	5	*	MSAB	30-120	ZC	5	N-O	CP										
W816	0-30	HZCL	5	*	MSAB	30-120	ZC	5	N-O	CP										
W817	0-25	LMS	5	*	SAB	25-40	ZS	5	F-O	AB	40-60	ZS	*	F-O	AB	60-120	LS	5	N-O/X	AB
W818	0-25	LMS	5	*	SAB	25-40	ZS	5	F-O	AB	40-60	ZS	*	F-O	AB	60-120	LS	5	N-O/X	AB
W819	0-35	SCL	5	*	SAB	35-75	SC	5	N-O	CP	75-100	SC	5	N-O/X	CP					
W820	0-35	SCL	5	*	SAB	35-75	SC	5	N-O	CP	75-100	SC	5	N-O/X	CP					
W821	0-35	SCL	5	*	SAB	35-75	SCL	5	N-O	AB	75-100	SC	5	N-O/X	CP					
W822	0-35	SCL	5	*	SAB	35-75	SC	5	N-O	CP	75-100	SC	5	N-O/X	CP					
W823	0-35	SCL	5	*	SAB	35-75	SC	5	N-O	CP	75-100	SC	5	N-O/X	CP					
W824	0-30	ZS	5	*	AB	30-65	ZS	5	N-O/X	AB	65-100	ZS	5	N-O/X	AB					
W825	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W826	0-35	HZCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W827	0-35	SCL	5	*	SAB	35-90	SC	5	F-X	CP										
W828	0-35	SCL	5	*	SAB	35-90	SC	5	F-X	CP										
W829	0-35	SCL	5	*	SAB	35-90	SC	5	F-X	CP										
W830	0-20	HZCL	15	*	SAB	20-120	ZC	15	N-O/X	CP										
W831	0-35	HZCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W832	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W833	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W834	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W835	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W836	URBAN AREA																			
W837	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W838	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W839	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W840	0-45	HCL	5	*	MSAB	45-95	C	5	N-O	CP	95-120	C	5	F-O	CP					
W841	0-20	SCL	15	*	MMSAB	20-120	SC	35	F-O/G	CP										

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BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W842	0-20	SCL	15	*	MMSAB	20-120	SC	35	F-O/G	CP										
W843	0-20	SCL	15	*	MMSAB	20-120	SC	35	F-O/G	CP										
W844	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-65	ZS	*	F-O	AB					
W845	0-25	LMS	5	*	SAB	25-45	ZS	5	F-O	AB	45-65	ZS	*	F-O	AB					
W846	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W847	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W848	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W849	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W850	0-35	MZCL	5	*	SAB	35-75	ZS	5	N-O	AB	75-100	SCL	5	N-O/X	AB					
W851	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W852	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W853	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W854	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W855	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W856	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W857	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W858	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W859	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W860	0-25	ZCS	5	*	SAB	25-100	SC	5	N-O/X	CP										
W861	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W862	0-35	HCL	5	*	SAB	35-105	C	5	N-O	CP	105-120	C	15	N-O	CP					
W863	URBAN AREA																			
W864	0-40	HCL	15	*	MSAB	40-90	SC	15	F-O/X	CP	90-120	ZC	5	F-O	CP					
W865	0-40	HCL	15	*	MSAB	40-90	SC	15	F-O/X	CP	90-120	ZC	5	F-O	CP					
W866	0-40	HCL	15	*	MSAB	40-90	SC	15	F-O/X	CP	90-120	ZC	5	F-O	CP					
W867	0-40	HCL	15	*	MSAB	40-90	SC	15	F-O/X	CP	90-120	ZC	5	F-O	CP					
W868	0-45	MCL	15	*	MSAB	45-75	SC	15	N-O	CP	75-105	CS	35	*	AB					
W869	0-20	SCL	15	*	MMSAB	20-120	SC	35	F-O/G	CP										
W870	0-30	ZS	5	*	AB	30-65	ZS	5	N-O/X	AB	65-100	ZS	5	N-O/X	AB					
W871	0-20	SC	15	*	MSAB	20-120	ZS	15	*	AB										
W872	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W873	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W874	MADE GROUND																			
W875	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W876	0-30	HZCL	5	*	MMSAB	30-60	ZC	5	N-O	CP	60-90	ZC	5	N-O/X	CP					
W877	0-30	HZCL	5	*	MMSAB	30-60	ZC	5	N-O	CP	60-90	ZC	5	N-O/X	CP					
W878	0-30	HZCL	5	*	MMSAB	30-60	ZC	5	N-O	CP	60-90	ZC	5	N-O/X	CP					
W879	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W880	0-30	MZCL	5	*	MSAB	30-45	SC	15	*	AB	45-120	SC	35	*	AB					
W881	0-35	MZCL	5	*	MSAB	35-50	SC	5	F-O	AB	50-120	SC	5	N-O	CP					
W882	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W883	0-35	SCL	5	*	MSAB	35-120	SC	5	F-O	CP										
W884	0-35	SCL	5	*	MSAB	35-120	SC	5	F-O	CP										
W885	0-35	SCL	5	*	MSAB	35-120	SC	5	F-O	CP										
W886	0-35	SCL	5	*	MSAB	35-120	SC	5	F-O	CP										
W887	0-35	SCL	5	*	MSAB	35-120	SC	5	F-O	CP										
W888	0-35	SCL	5	*	MSAB	35-120	SC	5	F-O	CP										
W889	0-35	SCL	5	*	MSAB	35-120	SC	5	F-O	CP										
W890	0-25	ZCS	5	*	SAB	25-120	SC	5	N-O/X	CP										
W891	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W892	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W893	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W894	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										

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BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W895	0-40	HCL	5	*	MSAB	40-65	C	5	F-O	CP	65-120	C	15	F-O	CP					
W896	0-40	HCL	5	*	MSAB	40-65	C	5	F-O	CP	65-120	C	15	F-O	CP					
W897	0-30	ZS	5	*	AB	30-65	ZS	5	N-O/X	AB	65-100	ZS	5	N-O/X	AB					
W898	0-30	ZS	5	*	AB	30-65	ZS	5	N-O/X	AB	65-100	ZS	5	N-O/X	AB					
W899	0-30	HZCL	5	*	MMSAB	30-60	ZC	5	N-O	CP	60-110	ZC	5	N-O/X	CP					
W900	0-30	HZCL	5	*	MMSAB	30-60	ZC	5	N-O	CP	60-120	ZC	5	N-O/X	CP					
W901	0-30	HZCL	5	*	MMSAB	30-60	ZC	5	N-O	CP	60-120	ZC	5	N-O/X	CP					
W902	0-30	HZCL	5	*	MMSAB	30-60	ZC	5	N-O	CP	60-110	ZC	5	N-O/X	CP					
W903	0-30	HZCL	5	*	MSAB	30-105	C	5	F-O	CP	105-120	C	5	F-O	CP					
W904	0-30	HZCL	5	*	MSAB	30-105	C	5	F-O	CP	105-120	C	5	F-O	CP					
W905	0-35	MZCL	5	*	MSAB	35-50	SC	5	F-O	AB	50-120	SC	5	N-O	CP					
W906	0-20	SCL	5	*	SAB	20-120	C	15	F-O	CP										
W907	0-20	SCL	5	*	SAB	20-120	C	15	F-O	CP										
W908	0-20	SCL	5	*	SAB	20-60	C	15	F-O	CP	60-120	C	5	F-O	CP					
W909	0-20	SCL	5	*	SAB	20-60	C	15	F-O	CP	60-120	C	5	F-O	CP					
W910	0-20	SCL	5	*	SAB	20-60	C	15	F-O	CP	60-120	C	5	F-O	CP					
W911	0-30	SCL	5	*	SAB	30-60	SC	5	N-O	CP	60-120	C	5	N-O	CP					
W912	0-30	SCL	5	*	SAB	30-60	SC	5	N-O	CP	60-120	C	5	N-O	CP					
W913	0-30	SCL	5	*	SAB	30-60	SC	5	N-O	CP	60-120	C	5	N-O	CP					
W914	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W915	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W916	0-35	HCL	5	*	CP	35-105	C	5	*	CP	105-120	C	35	*	CP					
W917	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W918	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W919	0-25	ZS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W920	0-25	ZS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W921	0-35	MZCL	5	*	MSAB	35-50	SC	5	F-O	CP	50-120	SC	5	N-O	CP					
W922	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W923	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W924	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W925	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W926	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W927	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W928	0-30	HCL	5	*	AB	30-120	C	5	FXO	CP										
W929	0-35	SCL	5	*	MSAB	35-50	SC	5	F-O	AB	50-120	SC	5	N-O	CP					
W930	0-35	SCL	5	*	MSAB	35-50	SC	5	F-O	AB	50-120	SC	5	N-O	CP					
W931	0-35	SCL	5	*	MSAB	35-50	SC	5	F-O	AB	50-120	SC	5	N-O	CP					
W932	0-35	SCL	5	*	MSAB	35-50	SC	5	F-O	AB	50-120	SC	5	N-O	CP					
W933	0-35	SCL	5	*	MSAB	35-50	SC	5	F-O	AB	50-120	SC	5	N-O	CP					
W934	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W935	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W936	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W937	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W938	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W939	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W940	0-30	ZS	15	*	AB	30-70	SZ	15	N-X	SAB	70-120	SC	5	N-X	CP					
W941	0-30	ZS	15	*	AB	30-70	SZ	15	N-X	SAB	70-120	SC	5	N-X	CP					
W942	0-30	ZS	5	*	AB	30-50	SC	5	F-O	SAB	50+	MADE GROUND								
W943	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W944	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W945	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W946	0-35	SCL	5	*	MSAB	35-120	ZC	5	F-O	CP										
W947	0-30	HCL	15	*	AB	30-120	C	5	FXO	CP										

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W948	0-30	HCL	15	*	AB	30-120	C	5	FXO	CP										
W949	0-30	HCL	15	*	AB	30-120	C	5	FXO	CP										
W950	0-40	SCL	5	*	SAB	40-120	SC	5	F-O/X	CP										
W951	0-40	SCL	5	*	SAB	40-120	SC	5	F-O/X	CP										
W952	0-20	HCL	5	*	SAB	20-120	C	15	F-O	CP										
W953	0-40	SCL	5	*	SAB	40-120	SC	5	F-O/X	CP										
W954	0-40	SCL	5	*	SAB	40-120	SC	5	F-O/X	CP										
W955	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W956	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W957	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W958	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W959	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	MCP										
W960	0-40	HZCL	5	*	MSAB	40-65	C	5	F-O	CP	65-120	C	15	F-O	CP					
W961	0-40	HZCL	5	*	MSAB	40-65	C	5	F-O	CP	65-120	C	15	F-O	CP					
W962	INACCESSIBLE LAND																			
W963	INACCESSIBLE LAND																			
W964	MADE GROUND																			
W965	0-25	ZS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W966	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W967	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W968	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W969	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W970	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W971	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W972	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W973	0-40	SCL	5	*	SAB	40-120	SC	5	F-O/X	CP										
W974	0-40	SCL	5	*	SAB	40-120	SC	5	F-O/X	CP										
W975	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W976	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W977	0-40	HZCL	5	*	MSAB	40-65	C	5	F-O	CP	65-120	C	15	F-O	CP					
W978	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W979	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W980	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W981	INACCESSIBLE LAND																			
W982	INACCESSIBLE LAND																			
W983	INACCESSIBLE LAND																			
W984	0-15	HCL	5	*	MMSAB	15-70	C	5	N-O	CP	70-120	C	5	N-O	CP					
W985	0-15	HCL	5	*	MMSAB	15-70	C	5	N-O	CP	70-120	C	5	N-O	CP					
W986	0-25	ZS	5	*	AB	25-70	ZCS	15	N-O	AB	70-100	ZCS	15	N-O/X	AB					
W987	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W988	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W989	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W990	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W991	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W992	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W993	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W994	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W995	0-40	SCL	5	*	SAB	40-60	SC	5	F-O/X	CP	60-120	SC	5	F-O/X	CP					
W996	0-40	SCL	5	*	SAB	40-60	SC	5	F-O/X	CP	60-120	SC	5	F-O/X	CP					
W997	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W998	0-35	SCL	5	*	MSAB	35-65	SCL	5	N-O	CP	65-120	SC	5	N-O	CP					
W999	0-35	SCL	5	*	MSAB	35-65	SCL	5	N-O	CP	65-120	SC	5	N-O	CP					
W1000	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W1001	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W1002	INACCESSIBLE LAND																			
W1003	INACCESSIBLE LAND																			
W1004	INACCESSIBLE LAND																			
W1005	0-15	HCL	5	*	MMSAB	15-70	C	5	N-O	CP	70-120	C	5	N-O	CP					
W1006	0-15	HCL	5	*	MMSAB	15-70	C	5	N-O	CP	70-120	C	5	N-O	CP					
W1007	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1008	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1009	0-30	SC	15	*	SAB	30-70	SC	15	N-O/X	CP	70-120	SC	15	N-O/X	CP					
W1010	0-30	SC	15	*	SAB	30-70	SC	15	N-O/X	CP	70-120	SC	15	N-O/X	CP					
W1011	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1012	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1013	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1014	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1015	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1016	0-30	SC	5	*	SAB	30-65	SC	15	N-O/X	CP	65-120	SC	15	N-O/X	CP					
W1017	0-35	SCL	5	*	MSAB	35-65	SC	5	N-O	CP	65-120	SC	5	N-O	CP					
W1018	0-35	SCL	5	*	MSAB	35-65	SC	5	N-O	CP	65-120	SC	5	N-O	CP					
W1019	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W1020	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W1021	INACCESSIBLE LAND																			
W1022	INACCESSIBLE LAND																			
W1023	INACCESSIBLE LAND																			
W1024	0-35	HZCL	5	*	MSAB	35-65	ZC	15	N-O/X	CP	65-110	C	5	N-O/X	CP					
W1025	0-35	HZCL	5	*	MSAB	35-65	ZC	15	N-O/X	CP	65-110	C	5	N-O/X	CP					
W1026	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1027	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1028	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1029	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1030	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1031	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1032	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1033	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1034	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	SC	15	N-O	CP					
W1035	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W1036	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W1037	INACCESSIBLE LAND																			
W1038	INACCESSIBLE LAND																			
W1039	INACCESSIBLE LAND																			
W1040	0-35	HZCL	5	*	MSAB	35-65	ZC	15	N-O/X	CP	65-110	C	5	N-O/X	CP					
W1041	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-70	SL	5	N-O/X	AB	70-120	C	5	N-O	CP
W1042	0-25	HZCL	15	*	MSAB	25-60	ZC	15	F-O	CP	60-80	SL	5	N-O/X	AB	80-120	C	5	N-O	CP
W1043	0-25	HZCL	15	*	MSAB	25-60	ZC	15	F-O	CP	60-80	SL	5	N-O/X	AB	80-120	C	5	N-O	CP
W1044	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	ZC	15	N-O	CP					
W1045	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	ZC	15	N-O	CP					
W1046	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	ZC	15	N-O	CP					
W1047	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	ZC	15	N-O	CP					
W1048	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	ZC	15	N-O	CP					
W1049	0-30	SC	5	*	SAB	30-110	SC	5	N-O/X	CP										
W1050	0-35	HCL	5	F-O	MSAB	35-120	C	5	N-O/X	CP										
W1051	INACCESSIBLE LAND																			
W1052	0-35	HZCL	5	*	MSAB	35-65	ZC	15	N-O/X	CP	65-110	C	5	N-O/X	CP					
W1053	0-30	SCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					

BH No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W1054	0-30	SCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1055	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	C	15	N-O	CP					
W1056	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	C	15	N-O	CP					
W1057	0-30	SCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1058	0-30	HZCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1059	0-45	HZCL	5	*	SAB	45-90	ZC	15	*	CP	90-115	ZC	5	N-D	CP					
W1060	0-45	HZCL	5	*	SAB	45-90	ZC	15	*	CP	90-115	ZC	5	N-D	CP					
W1061	0-45	HZCL	5	*	SAB	45-90	ZC	15	*	CP	90-115	ZC	5	N-D	CP					
W1062	0-45	HZCL	5	*	SAB	45-90	ZC	15	*	CP	90-115	ZC	5	N-D	CP					
W1063	0-30	SCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1064	0-30	SCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1065	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-70	LS	5	N-O/X	AB	70-120	C	5	N-O	CP
W1066	0-15	HZCL	15	*	MSAB	15-50	ZC	15	F-O	CP	50-70	LS	5	N-O/X	AB	70-120	C	5	N-O	CP
W1067	0-30	HZCL	5	*	MMSAB	30-70	ZC	5	N-O	CP	70-120	C	15	N-O	CP					
W1068	0-30	HZCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1069	0-30	HZCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1070	0-30	HZCL	5	*	MMSAB	30-50	ZC	15	F-O/X	CP	50-120	ZC	35	F-O/X	CP					
W1071	0-30	HZCL	5	*	SAB	30-65	ZC	5	N-O/X	CP	65-120	ZC	35	F-O/X	CP					
W1072	0-30	HZCL	5	*	SAB	30-65	ZC	5	N-O/X	CP	65-120	ZC	35	F-O/X	CP					
W1073	0-30	HZCL	15	*	SAB	30-120	ZC	15	N-O	CP										
W1074	0-30	HZCL	5	*	SAB	30-65	ZC	5	N-O/X	CP	65-120	ZC	35	F-O/X	CP					

PIT

No.	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure	Depth (cm)	Texture	Stones	Mottling	Structure
W1	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W2	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W3	0-30	HCL	5	*	SAB	30-80	C	0	O	WCP	80-120	C	15	O	CP
W4	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W5	0-30	HCL	5	*	SAB	30-80	C	0	O	WCP	80-120	C	15	O	CP
W6	0-30	HCL	5	*	SAB	30-80	C	0	O	WCP	80-120	C	15	O	CP
W7	0-30	HCL	5	*	SAB	30-80	C	0	O	WCP	80-120	C	15	O	CP
W8	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W9	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W10	0-30	HCL	5	*	SAB	30-80	C	0	O	WCP	80-120	C	15	O	CP
W11	0-30	HCL	5	*	SAB	30-80	C	0	O	WCP	80-120	C	15	O	CP
W12	0-30	HCL	5	*	SAB	30-80	C	0	O	WCP	80-120	C	15	O	CP
W13	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W14	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W15	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W16	0-20	HZCL	15	*	SAB	20-120	ZC	15	GO	CP					
W17	0-15	HCL	5	*	SAB	15-30	C	5	O	WCP	30-120	C	15	O	CP
W18	0-15	HCL	5	*	SAB	15-30	C	5	O	WCP	30-120	C	15	O	CP
W19	0-15	HCL	5	*	SAB	15-30	C	5	O	WCP	30-120	C	15	O	CP
W20	0-15	HCL	5	*	SAB	15-30	C	5	O	WCP	30-120	C	15	O	CP
W21	0-15	HCL	5	*	SAB	15-30	C	5	O	WCP	30-120	C	15	O	CP
W22	0-20	HZCL	15	*	SAB	20-120	ZC	15	GO	CP					
W23	0-20	HZCL	15	*	SAB	20-120	ZC	15	GO	CP					
W24	0-20	HZCL	15	*	SAB	20-120	ZC	15	GO	CP					
W25	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W26	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W27	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W28	0-20	HZCL	35	*	SAB	20-120	ZC	15	GO	CP					
W29	0-20	HZCL	35	*	SAB	20-120	ZC	15	GO	CP					
W30	0-20	HZCL	35	*	SAB	20-120	ZC	15	GO	CP					
W31	0-20	HZCL	35	*	SAB	20-120	ZC	15	GO	CP					
W32	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W33	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W34	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W35	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W36	0-45	HZCL	15	*	SAB	45-120	ZC	15	GO	CP					
W37	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W38	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W39	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W40	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W41	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W42	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W43	0-40	HCL	15	*	SAB	40-80	C	5	O	WCP	40-80	C	15	O	CP
W44	0-40	HCL	15	*	SAB	40-80	C	5	O	WCP	40-80	C	15	O	CP
W45	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W46	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W47	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W48	0-40	HCL	15	*	SAB	40-80	C	5	O	WCP	40-80	C	15	O	CP
W49	0-40	HCL	15	*	SAB	40-80	C	5	O	WCP	40-80	C	15	O	CP
W50	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W51	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W52	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W53	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W54	0-45	HZCL	15	*	SAB	45-120	ZC	15	GO	CP					
W55	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W56	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W57	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W58	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W59	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W60	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W61	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W62	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W63	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W64	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W65	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W66	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W67	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W68	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W69										No access - livestock					
W70	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W71	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W72	0-20	SCL	5	*	SAB	20-70	SC	15	O	SAB	70-120	SC	5	OG	SAB
W73	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W74	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W75										No access - livestock					
W76										No access - livestock					
W77										No access - livestock					
W78										No access - livestock					
W79										No access - livestock					
W80	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W81	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W82										No access - farmer request due to crop (tall dense corn)					
W83										No access - farmer request due to crop (tall dense corn)					
W84	0-35	SCL	5	*	SAB	35-90	SC	15	O	SAB	90-120	SC	5	OG	SAB
W85										No access - farmer request due to crop (tall dense corn)					
W86	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W87										No access - farmer request due to crop (tall dense corn)					
W88	0-30	HCL	5	*	SAB	30-60	C	5	O	WCP	60-120	C	15	O	CP
W89	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W90	0-30	HZCL	15	*	SAB	30-120	ZC	15	GO	CP					
W91	0-25	LMS	0	*	AB	25-70	LCS	15	OM	AB	70-100	LCS	15	OM	AB
W92	0-25	LMS	0	*	AB	25-70	LCS	15	OM	AB	70-100	LCS	15	OM	AB
W93	0-25	LMS	0	*	AB	25-70	LCS	15	OM	AB	70-100	LCS	15	OM	AB
W94	0-25	LMS	0	*	AB	25-70	LCS	15	OM	AB	70-100	LCS	15	OM	AB

Structure	
MSAB	Medium Subangular Blocky
AB	Angular Blocky
CP	Coarse Prismatic
MSAB	Massive
SAB	Subangular Blocky
CP	Coarse
W	Weak

Stones	
5	Very Slightly Stony
15	Slightly Stony
35	Moderately Stony

Texture	
C	Clay
ZC	Silty Clay
SC	Sandy Clay
CL	Clay Loam
ZCL	Silty Clay Loam
SCL	Sandy Clay Loam
SZL	Sandy Silty Loam
SL	Sandy Loam
LS	Loamy Sand
S	Sand
ZS	Silty Sand
MG	Made Ground
F (sand)	Fine
M (sand)	Medium
C (sand)	Coarse
H (clay)	Heavy
M (clay)	Medium

Rock Type	
Ca	Calcareous

Mottling	
*	No Mottling
X	Fine Grey
O	Fine Ochreous
N	Numerous Mottles
F	Few Mottles
D	Fine Brown

Cell Colours	Reason
	Livestock in field - not accessed
	Woodland/Made Ground/Urban
	Inaccessible areas
	N/A

APPENDIX III

SITE SURVEY PHOTOGRAPHS

Photograph Number	Photograph Description	Photograph
1.	Fosse Green Energy General view of the area near location W826 on the north-western part of the Bassingham site.	
2.	Fosse Green Energy General view of the area near location W575.	
3.	Fosse Green Energy General view of the north-eastern part of the Bassingham site near location W1019.	

Photograph Number	Photograph Description	Photograph
4.	Fosse Green Energy General view of the south-eastern part of the Bassingham site near location W274. A large drain is evident, forming the southern boundary.	
5.	Fosse Green Energy View of the area near location W1010.	
6.	Fosse Green Energy View of area near location W506 – area inaccessible at the time of surveying due to livestock being present in the field.	

7.	Fosse Green Energy General profile of Soil Type 1.	
8.	Fosse Green Energy Pit W871 – Soil Type 1.	
9.	Fosse Green Energy Pit W871 – Soil Type 1; structure of subsoil.	

10.	Fosse Green Energy Pit W843 – Soil Type 2.	
11.	Fosse Green Energy Pit W843 – Soil Type 2; structure of subsoil.	
12.	Fosse Green Energy General profile of Soil Type 2.	

13.	Fosse Green Energy Pit W1073 – Soil Type 3.	
14.	Fosse Green Energy Pit W1073 – Soil Type 3 structure of subsoil.	
15.	Fosse Green Energy General profile of Soil Type 3.	

16.	Fosse Green Energy Pit W916 – Soil Type 4.	
17.	Fosse Green Energy Pit W916 – Soil Type 4, structure of subsoil.	
18.	Fosse Green Energy General profile of Soil Type 4	

APPENDIX IV

SUMMARY OF FINDINGS

Job Name:	Fosse Green Energy, Lincolnshire
Job Number:	230407
Date:	15/10/2024
Completed By:	SC

Site Altitude:	12
Centre Grid Ref:	4903 3626

AAR	591.07
ATO	1421.31
FCD	116.08
MDMWHT	113.66
MDMPOT	106.96

	Soil Type 1	Soil Type 2	Soil Type 3
AP WHT	74.18	131.65	121.65
MB WHT	-39.48	17.99	7.99
AP POT	62.275	96.9	98.8
MB POT	-44.68	-10.06	-8.16



Site Limitations Summary			
	Soil Type 1	Soil Type 2	Soil Type 3
Wetness Class	I	III	III
Wetness Grading	2	3a	3b
Droughtiness Wheat	3b	2	2
Droughtiness Potato	3b	3a	2
Gradient Limitaion	1	1	1
Soil Depth Limitation	1	1	1
Stoniness Limitation	1	1	1
	Overall		
Site Climatic Limitation	1	1	1
Flooding Limitation	1	1	1
Overall Grade	3b	3a	3b

Job Name:	Fosse Green Energy, Lincolnshire
Job Number:	230407
Date:	15/10/2024
Completed By:	SC



Site Altitude:	12
Centre Grid Ref:	4903 3626

AAR	591.07
ATO	1421.31
FCD	116.08
MDMWHT	113.66
MDMPOT	106.96

Soil Type 4	
AP WHT	135.18
MB WHT	21.52
AP POT	113.4
MB POT	6.44

Site Limitations Summary	
	Soil Type 4
Wetness Class	III
Wetness Grading	3b
Droughtiness Wheat	2
Droughtiness Potato	2
Gradient Limitaion	1
Soil Depth Limitation	1
Stoniness Limitation	1
	Overall
Site Climatic Limitation	1
Flooding Limitation	1
Overall Grade	3b

Agricultural Land Classification (ALC)

The Agricultural Land Classification (ALC) provides a framework for classifying land according to the extent to which its physical or chemical characteristics impose long-term limitations on agricultural use. The limitations can operate in one or more of four principal ways: they may affect the range of crops which can be grown; the level of yield; the consistency of yield and the cost of obtaining it. The classification system gives considerable weight to flexibility of cropping, whether actual or potential, but the ability of some land to produce consistently high yields of a somewhat narrower range of crops is also taken into account.

These factors form the basis for classifying agricultural land into one of five grades (with Grade 3 land divided into Subgrades 3a and 3b since the guidelines were revised in 1988), ranked from Excellent (Grade 1) to Very Poor (Grade 5). ALC grading is determined using the Ministry of Agriculture Food and Fisheries (MAFF) '*Agricultural Land Classification of England and Wales – Revised guidelines and criteria for grading the quality of agricultural land*'.

Definition of Agricultural Land Classification Grades

ALC Grade	Description
Grade 1	Excellent quality agricultural land No or very minor limitations to agricultural use.
Grade 2	Very good quality agricultural land Minor limitation which affect crop yield, cultivation or harvesting.
Subgrade 3a (pre-1988 Grade 3)	Good quality agricultural land Capable of producing moderate to high yields of a narrow range of arable crops or moderate yields of a wider range of crops.
Subgrade 3b (pre-1988 Grade 3)	Moderate quality agricultural land Capable of producing moderate yields of a narrow range of arable crops and/or lower yields of a wider range of crops.
Grade 4	Poor quality agricultural land Severe limitations which significantly restrict the range of crops and/or levels of yield.
Grade 5	Very poor quality agricultural land Very severe limitations which restrict use to permanent pasture or rough grazing.

Best and Most Versatile (BMV) Agricultural Land

The National Planning Policy Framework (NPPF) (Department for Communities and Local Government, 2012) defines Best and Most Versatile (BMV) agricultural land as land of Excellent (ALC Grade 1), Very Good (Grade 2) and Good (Grade 3a) agricultural quality. BMV land is provided a degree of protection against development within planning policy, with most Local Plans including specific policies which refer to the protection of BMV agricultural land.

Non-BMV agricultural land, i.e. Moderate, Poor and Very Poor quality agricultural land is designated subgrade 3b or Grades 4 and 5 respectively, and is restricted to a narrower range of agricultural uses. Limited to no protection is provided against development on this grade land within planning policy.

Limiting Factors

Main Factor	Sub Factor	Explanation
Climatic Limitations	Overall Climatic Limitation	Using a dataset of five parameters, as set on a 5km grid for the whole of the UK, the site climatic values are used to determine if there is an overriding limiting factor for the site with regard to the wider climate.
	Local Climatic Factors	Where the above climatic factors are liable to be modified by local factors such as aspect, gradient and elevation then one or more of these factors may become a limiting factor for the site.
Site Limitations	Gradient	Gradient may have an impact on mechanised farm operations and also on soil erosion. The ALC grade limitations with reference to gradient are given in Table 1 of the MAFF guidance.
	Microrelief	Complex changes in slope angle and direction over short distances may have an impact on agricultural machinery. The effect of microrelief is considered in conjunction with overall gradient.
	Flooding	The extent, duration, frequency and timing of flooding may have an influence over the ALC Grade and could become the limiting site factor. The ALC grade limitations with reference to flooding are given in Tables 2 and 3 of the MAFF guidance.
Soil Limitations	Soil Texture and Structure	Soil texture and structure can influence the water retention, water movement and aeration of the soil and therefore affect the workability, trafficability, poaching risk and suitability for plant growth. Soil texture is determined by the proportions of sand, silt and clay and is used to assess the wetness class of the soil.
	Soil Depth	Soil depth can influence the available water capacity of the soil, restrict nutrient uptake, root growth and root anchorage. The ALC grade limitations with reference to soil depth are given in Table 4 of the MAFF guidance.
	Stoniness	Stone content can influence the cultivation, harvesting and crop growth and may negatively impact machinery. The ALC grade limitations with reference to stoniness are given in Table 5 of the MAFF guidance.
	Chemical Limitations	Certain physical limitations may limit soil chemical properties, such as saline conditions, organic matter and toxic elements.
Interactive Limitations	Soil Wetness	Soil wetness is assessed using a combination of factors including climate, soil water regime and soil texture. The ALC grade limitations with reference to soil wetness are given in Tables 6 and 7 of the MAFF guidance.
	Droughtiness	Soil droughtiness is assessed using a combination of factors including available water capacity, moisture deficit, moisture balance and irrigation. The ALC grade limitations with reference to droughtiness are given in Table 8 of the MAFF guidance.
	Soil Erosion	Soil erosion may be caused by wind or water action and is determined by interactions between weather, soil type, topography and vegetation cover.

Soil Series

Soil series is the lowest categorical level used for classifying soils in England and Wales. According to the Soil Survey of England and Wales 1984:

"Soil series are defined using a combination of three main properties, the broad type of parent material present (substrate type), the texture of the soil material (textural grouping) and the presence or absence of material with a distinctive mineralogy."

Higher categories are: Major Soil Group, Soil Group, and Soil Subgroup, which are not explicitly used in this report.

Soil Association

A soil association is a geographic grouping of soils identified by the name of the most frequently occurring soil series and by the combination of additional soil series.

Gleying

Gleying is the process of iron reduction (opposite to oxidation) in soils from ferric (reddish in colour) to ferrous compounds (grey or colourless), by microorganisms or by-products of decomposing organic matter. Gleying occurs in areas devoid of oxygen when the soil is waterlogged. The resulting mottling (spots or blotches of colour) can therefore be used to identify the existence of a Slowly Permeable Layer (SPL); as defined within the MAFF ALC guidance.

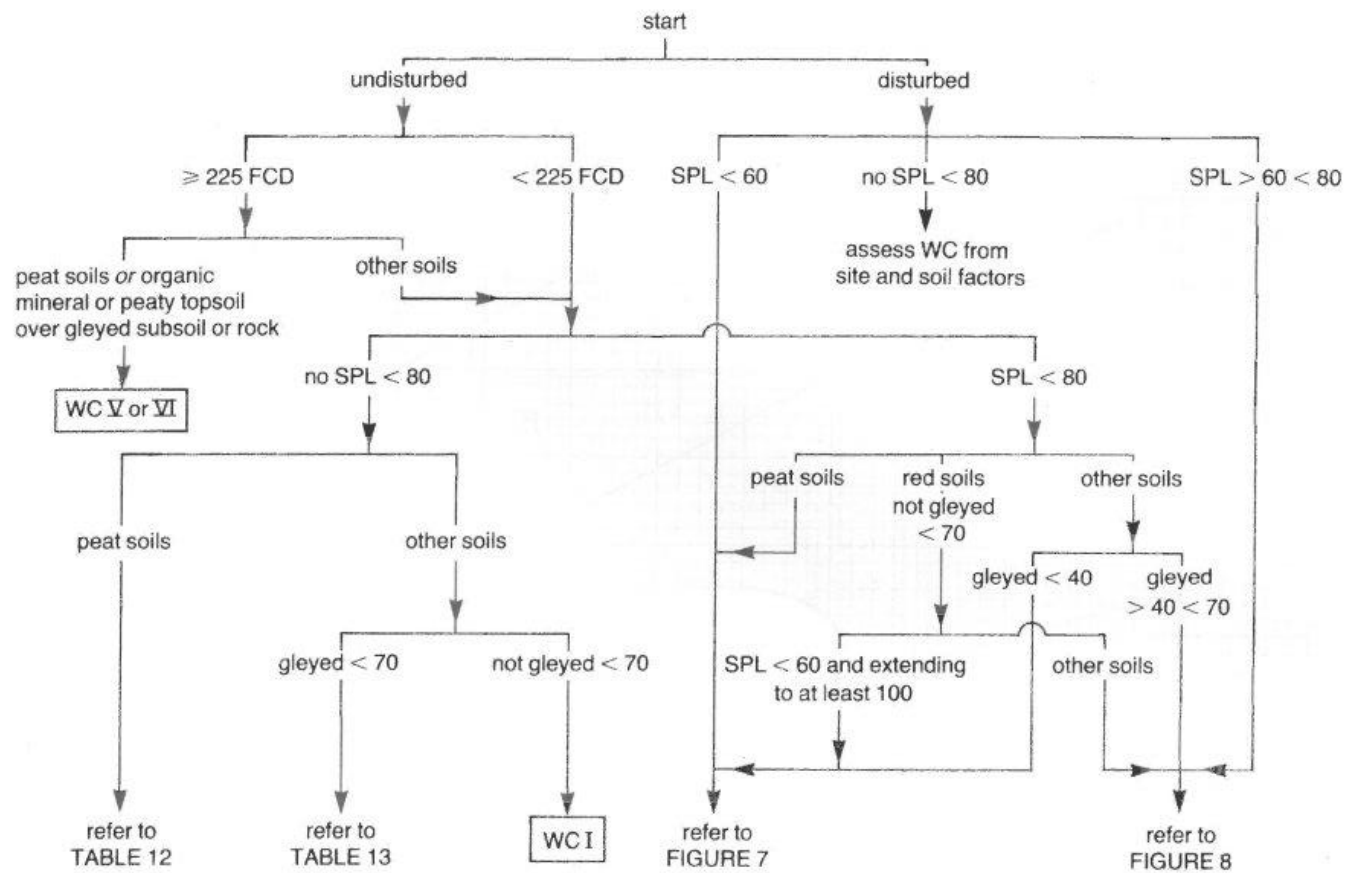


Figure 6. Flow diagram for assessing soil wetness class (WC) from field capacity days (FCD), depth to gleying (in cm) and depth to a slowly permeable layer (SPL, in cm)

Figure 6