Meridian Solar Farm

EN010169

Volume 6

Environmental Statement

6.3 ES Appendix 5-3: Agricultural Land Classification Report - Parcels B and C (Rev 1) (Tracked)

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

September 2026

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Note:

This report uses draft Order Limits from earlier stages of the pre-application process. Any changes to the Order Limits introduced since this report was prepared do not change the outcomes or conclusions of this report.

1. Scope and Objectives

The Services	Agricultural Land Classification (ALC) Report	
The Client	AECOM Ltd	
Appointment Details	The Services have been carried out in accordance with the Proposal dated 6 June 2025 and REL's Terms and Conditions of Engagement, (together "the Agreement") as accepted by the Client on 6 June 2025.	
Site Name	Meridian Solar (Parcels B & C).	
Site Address	Queen's Bank, Spalding, PE12 0TZ ("the Site").	
Proposed Development	The site is to be developed for photovoltaic farm areas with associated infrastructure.	
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 Sources	Natural England Provisional Agricultural Land Classification Grade (pre-1988), accessed via Magic Web Mapping Service, DEFRA, 2025.
		Natural England Agricultural Land Classification Grades Post-1988 Surveys (Polygons) Database and Mapping, accessed via Magic Web Mapping Service, DEFRA, 2025.
		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 158 (Peterborough), available on the BGS map portal.
		Google Historic Satellite Imagery.
		National Library of Scotland Historical Ordnance Survey England and Wales, 1830s-1974 Maps.

	Documentation Source	Soil Classification for Soil Survey, Monographs on Soil Survey, Butler, B E (1980), Clarendon Press, Oxford.
		Hodgson, J.M (ed.) (2022). Soil Survey Field Handbook. 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.
		Soils and their use in Eastern England, 1984, Soil Survey of England and Wales Memoir and accompanying 1:250,000 scale map.
	Previous Reports	A Post-1988 ALC report is available for the site dated June 2024 (ref: 2091/1). Further details are provided in Section 4 of the report.
	Site Works	The Agricultural Land Classification was undertaken by REL in June 2025 and November 2025.

2. Site Details

National Grid Ref.	Approximate centre of the site: 528616, 313934
Ground Level Topography	Range 0-4m AOD, average for site: c.2m AOD
Site Area	598 hectares (ha).
Location	The subject site is bound by Queen's Bank in the north and the A16 in the west, with Martins Road intersecting the site centrally, approximately 10.8km south of the town of Spalding. South Holland Main Drain is located along the northernmost boundary of the site and the Cox's Drain intersects the site in the west. The A16 is located adjacent west of the site, providing a link to the city centre of Peterborough 20.6km to the southwest and Boston town centre 20.8km to the northeast. For the purpose of this report, the site boundary in **Figure 1** has been divided into Survey Area sections B (1,2,3 and 5) and C (1 and 2) (see **Figure 2**).

Figure 1~~1~~: Site Boundaries (highlighted in red)



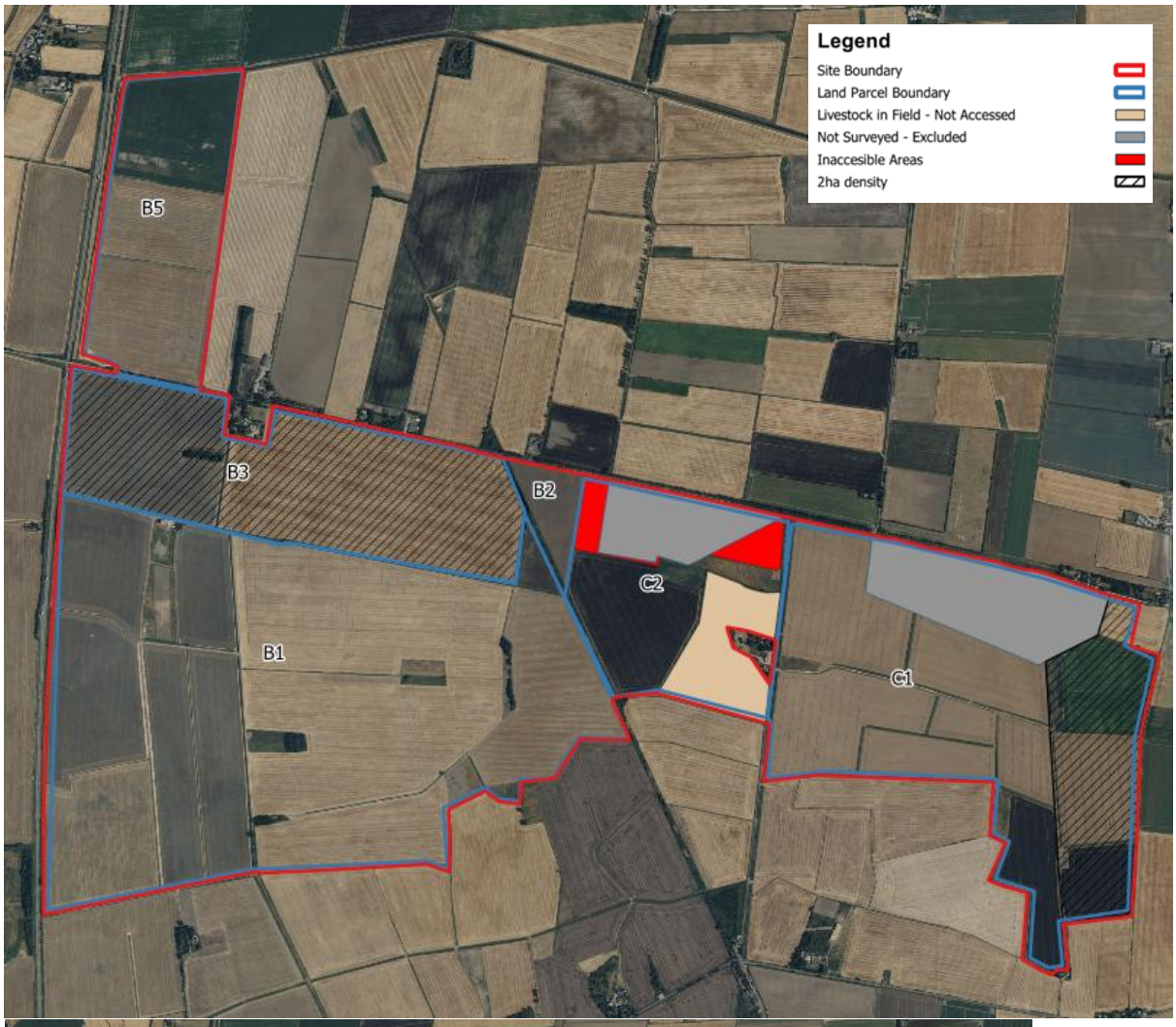
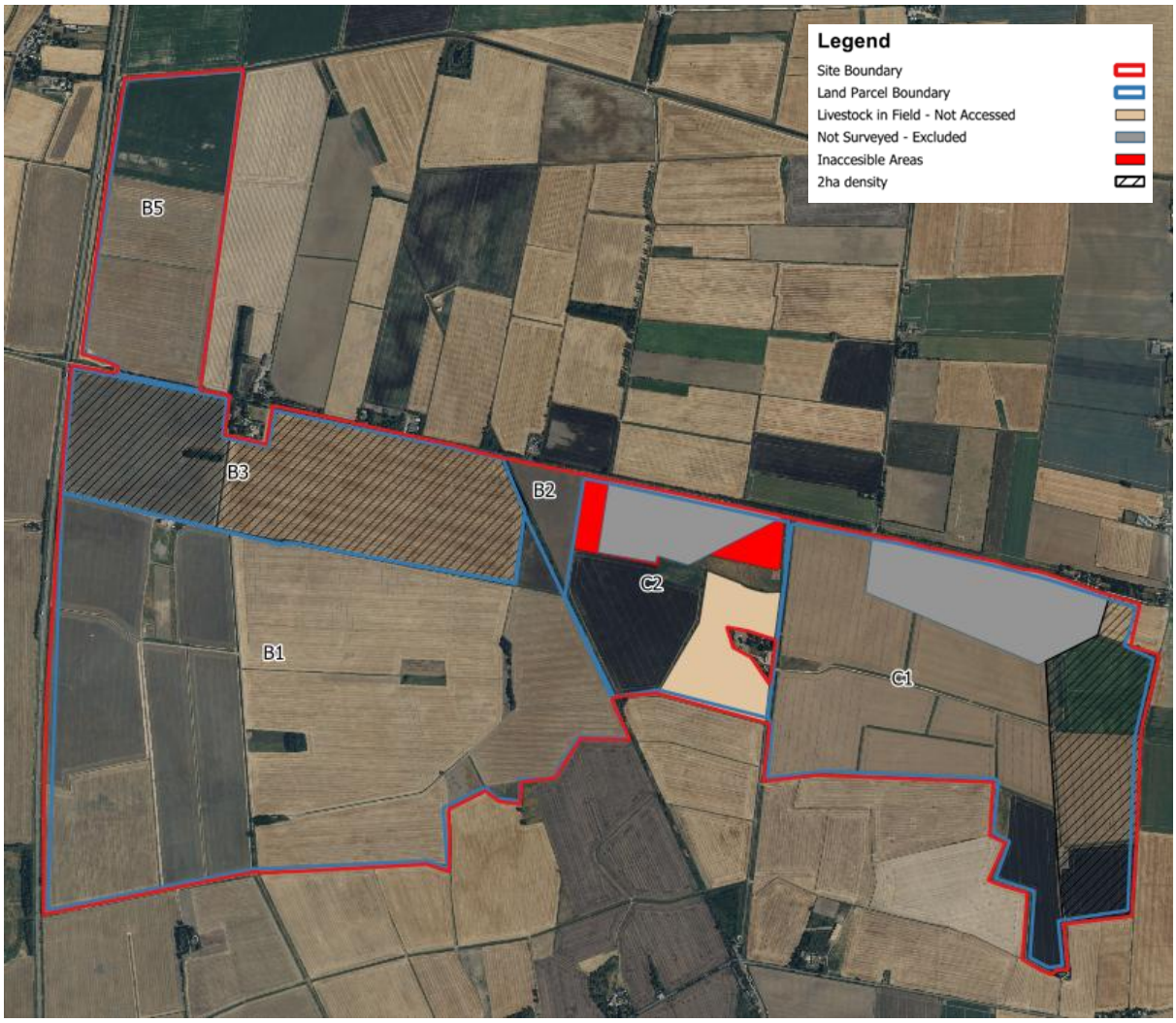

Legend
Site Boundary
Land Parcel Boundary
Livestock in Field - Not Accessed
Not Surveyed - Excluded
Inaccesible Areas
2ha density
B5
B3
B2
C2
B1
C1



Figure 2: Sections of the Surveyed Area Highlighted in Purple (1 intrusion per 100m) and Orange (1 intrusion per 200m)



Current Site Description and Usage	The subject site comprises agricultural fields which are currently used for arable crops (based on observations made during the site visit), the crop was viewed as a mix of mustard seeds, wheat and cereals. Section B2 (see **Figure 2**) mainly comprised maintained grassland
Surrounding Land Uses	Surrounding land uses comprise agricultural fields around the entire site.
Site History	From the earliest mapping dated 1888, the site is shown as agricultural land.
Current Grading	The site is currently mapped as Grade 2 on the provisional 1: 250,000 scale ALC map (MAFF, 1983), and areas in the west mapped as Grade 1, 2 and 3a on the post-1988 mapping data. See **Appendix V** for key to the gradings.

3. Methodology

3.1. Desk Study

3.1.1. 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.

3.1.2. 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).

3.1.3. 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.

3.2. Intrusive Soil Survey

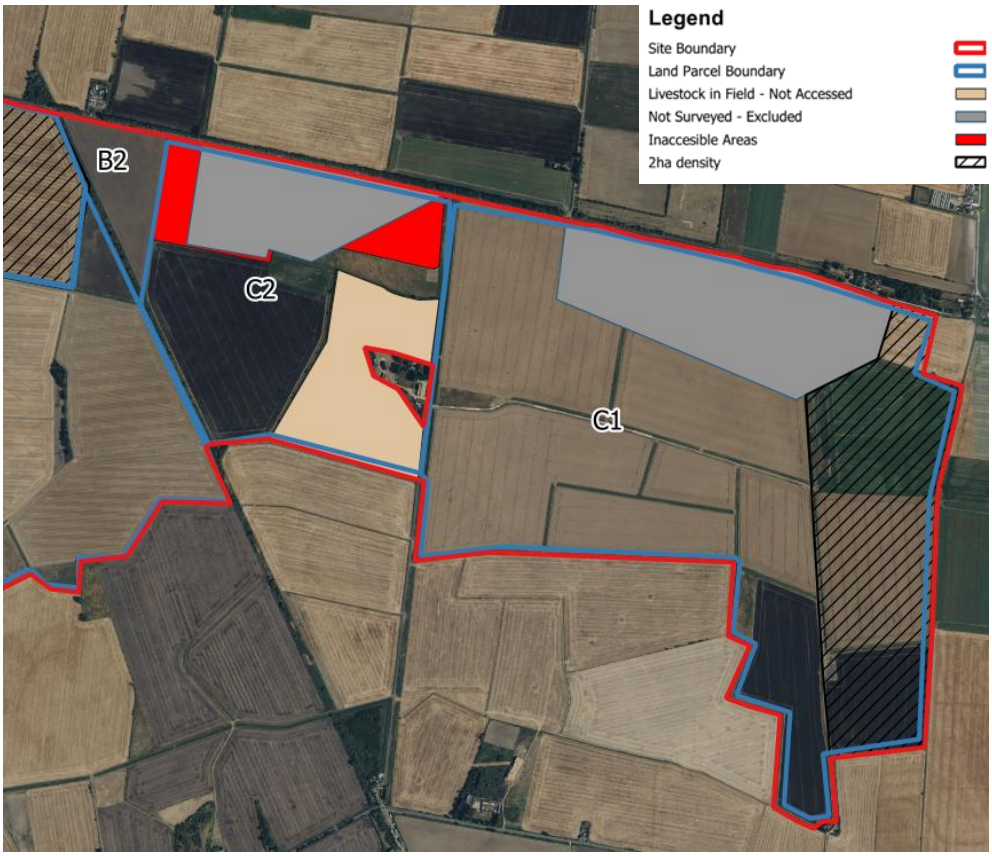
3.2.1. The intrusive soil survey comprised at least one hand auger boring per hectare to a depth of 1.20m below ground level (where achievable) in accordance with current guidance. These were undertaken to examine the soil profiles, using standard soil survey methods as outlined in the Soil Field Survey Handbook, Soil Survey Technical Monograph (Hodgson, J.M)[1].

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

1 Hodgson, J.M (ed.) (2022). Soil Survey Field Handbook. Soil Survey Technical Monograph No. 5, Cranfield.

3.3. Constraints

Figure 3: Inaccessible Area (Highlighted in Red and Orange



3.3.1. Figure 3 shows an extract of the inaccessible areas in Survey Area C1 and C2 due to Livestock and archaeological features (see Figure 2). Where extrapolation of data based on adjacent sample points has not been possible due to degree of surrounding grade variance, these have been excluded from this assessment (see **Appendix I**).

3.3.2. Further to the original survey, areas of the site which were initially inaccessible due to crop density (highlighted in Red), have been since resurveyed and samples for laboratory analysis were collected from across the full site area, however it is noted that this additional survey work was undertaken in different seasonal/ground conditions to the original survey as well as post-harvest and ploughing, however this data was analysed using the same criteria under MAFF guidelines.

3.3.3. Due to the ground conditions at the time of the survey following a period of drought the soil was largely impenetrable by spades; therefore, soil pits were excavated using the side of Archaeology trenches to variable depths between

c.50-120cm. Further excavations of these pits was not possible due to ground conditions and the need to avoid archaeological disturbance.

3.4. ALC Grade Assessment

3.4.1. All potential limiting ALC grade factors (listed in **Appendix V**) have been considered as part of the assessment, including those which pose no limitation on the ALC grading for the site.

3.4.2. Using the information collected during the site survey and the MAFF ALC guidance documents, an ALC grade was then determined for the site, or for each soil type based on the most limiting ALC grade. A site plan is included in **Appendix I** to visually demonstrate the distribution of ALC grades. A brief overview of relevant terminology is included in **Appendix V**.

3.4.3. Any areas of the site which were inaccessible during the survey were extrapolated based on the properties of the adjacent site areas and available soil mapping.

3.5. Analysis

3.5.1. During the analysis stage, the ALC grade has been calculated on a point-by-point basis, with features of wetness class (Slowly Permeable Layer and Gleying) analysed from each auger sample. To support the field assessment, laboratory analysis of selected topsoil samples has been undertaken. These provide confirmation of physical characteristics of the soils and have been used alongside field observations to inform the final ALC grading. The laboratory results are presented in **Appendix VI**.

3.5.2. However, a degree of variability in physical characteristics within a discrete area is to be expected. Areas of land may be found to include a small portion of land at a different quality to that surrounding it, these results may be anomalous or the product of changes in other physical features such as flooding, superficial geology and bedrock geology.

3.5.3. In the event of this, it is a generally accepted method to judge grading according to the severity of surrounding limitations imposed by the cropping and land management, i.e., if discrete areas of differing grades are not evidently managed or cropped differently, with no visual evidence of a difference to vegetation quantity or quality, it would be a reasonable approach to show the most prominent grade within each area. This approach more accurately reflects the practical use and operational management of the land.

3.5.4. As such, ALC grades on the basis of both, auger-by-auger point analysis and field average approach have been presented in this report.

3.6. ALC Mapping

3.6.1. Mapping of the ALC data has been delineated manually using GIS software. Mapping has been informed by the distribution of field survey data, professional judgement, and observed site characteristics.

3.6.2. Existing field boundaries have been utilised as ALC grade boundaries where survey evidence indicates differing land quality between adjacent land parcels. This approach recognises the long-term practical management of the agricultural land and reflects the likelihood that field divisions have been established historically in response to differences in land capability, soil characteristics, or operational requirements.

3.6.3. Consideration has been given to field boundaries comprising permanent physical features, including farm access tracks, of which a majority are stoned. There are hedgerows at boundaries including trees and shrub species. For the purposes of this assessment, these denser hedgerows have been treated as permanent landscape features dividing management units.

3.6.4. The position of grade boundaries should not be interpreted as exact transitions in soil quality but as the most reasonable representation of land quality variation based on the available survey evidence and mapping scale.

4. Desk Based Reconnaissance

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

4.2. Climate Data

4.2.1. 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

(Area 1 Site Centre Grid Reference: 528616, 313934)		
Average Annual Rainfall (mm)	AAR	544.00
Accumulated Temperature (˚C)	ATO	1446.68

Field Capacity Duration (Days)	FCD	93.00
Moisture Deficit Wheat (mm)	MDWHT	119.03
Moisture Deficit Potatoes (mm)	MDPOT	114.78

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

4.2.3. Using the AAR and ATO values within Table 1, the site is not considered to be limited by climate (Figure 1, MAFF 1988).

4.3. Topography

4.3.1. The site was identified to have a gradient between 0.0˚ and 4.4˚, therefore topography is not identified to be a limiting factor of the ALC grade of the site (Table 1, MAFF 1988).

4.4. BGS Published Data

4.4.1. A review of BGS information has identified that no Made Ground areas are indicated across the site.

4.4.2. The site is situated within an area of superficial Tidal flat deposits (Sand and Silt).

4.4.3. The bedrock geology is indicated as the Oxford Clay Formation (Mudstone), with the potential for the West Walton Formation (Mudstone and Siltstone) to be present in the west.

4.5. Published Soils Data

4.5.1. Soils mapping for the area as shown on Soils and their use in Eastern England, 1984, Soil Survey of England and Wales Memoir and accompanying 1:250,000 scale map has been reviewed as part of this assessment. The location of the site is shown in the soils mapping extract below in Figure 4.

4.5.2. The soils mapping suggests the soils on site comprise the Wallasea 2 Association. The soils are described as follows:

- Wallasea 2 Association (813g) - Deep stoneless clayey soils. Calcareous in places. Some deep calcareous silty soils. Flat land often with low ridges giving a complex soil pattern. Groundwater controlled by ditches and pumps.

~~Figure 4: Soils Mapping for the Site and Surrounding Area (site location indicated in red)~~

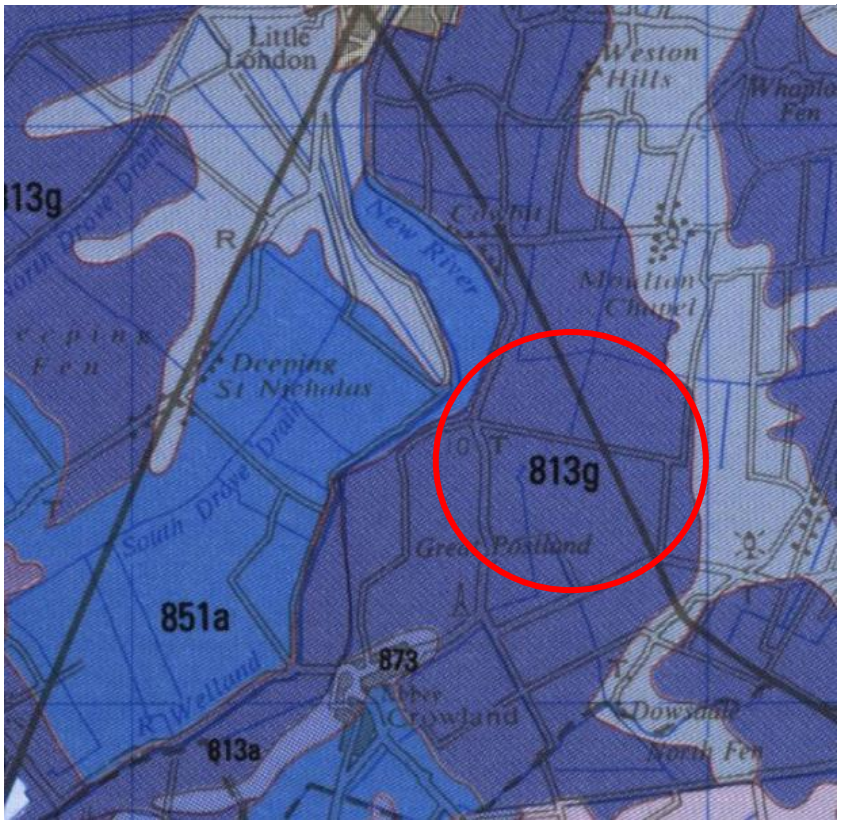
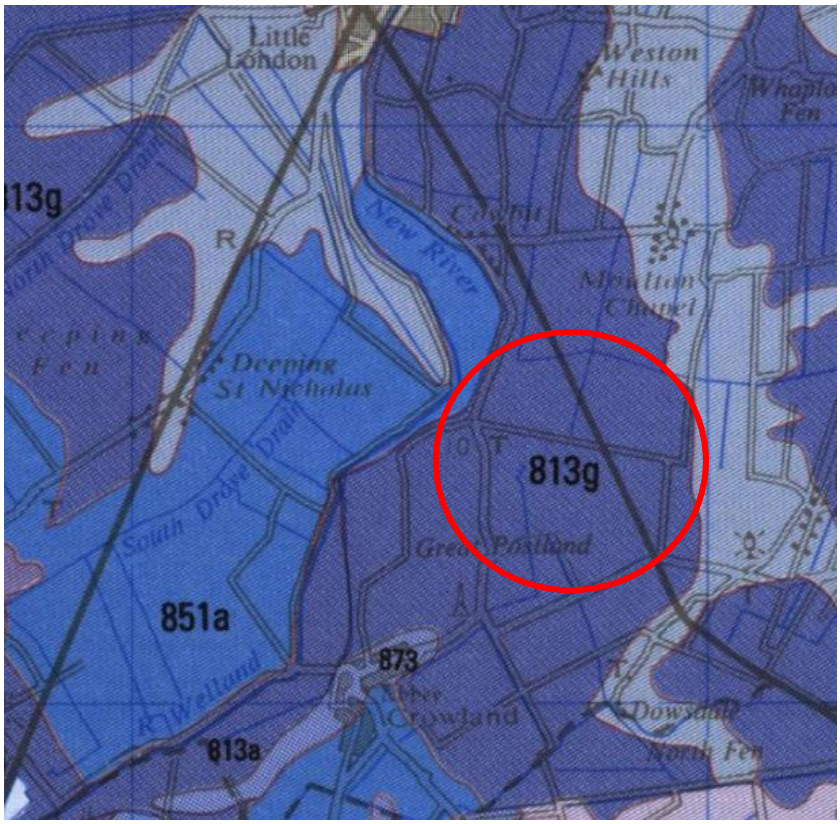


Figure 4: Soils Mapping for the Site and Surrounding Area (site location indicated in red)



4.6. Previous Reports

4.6.1. A post-1988 ALC survey is available for the site dated June 2024[2] (ref: 2091/1~~),~~).

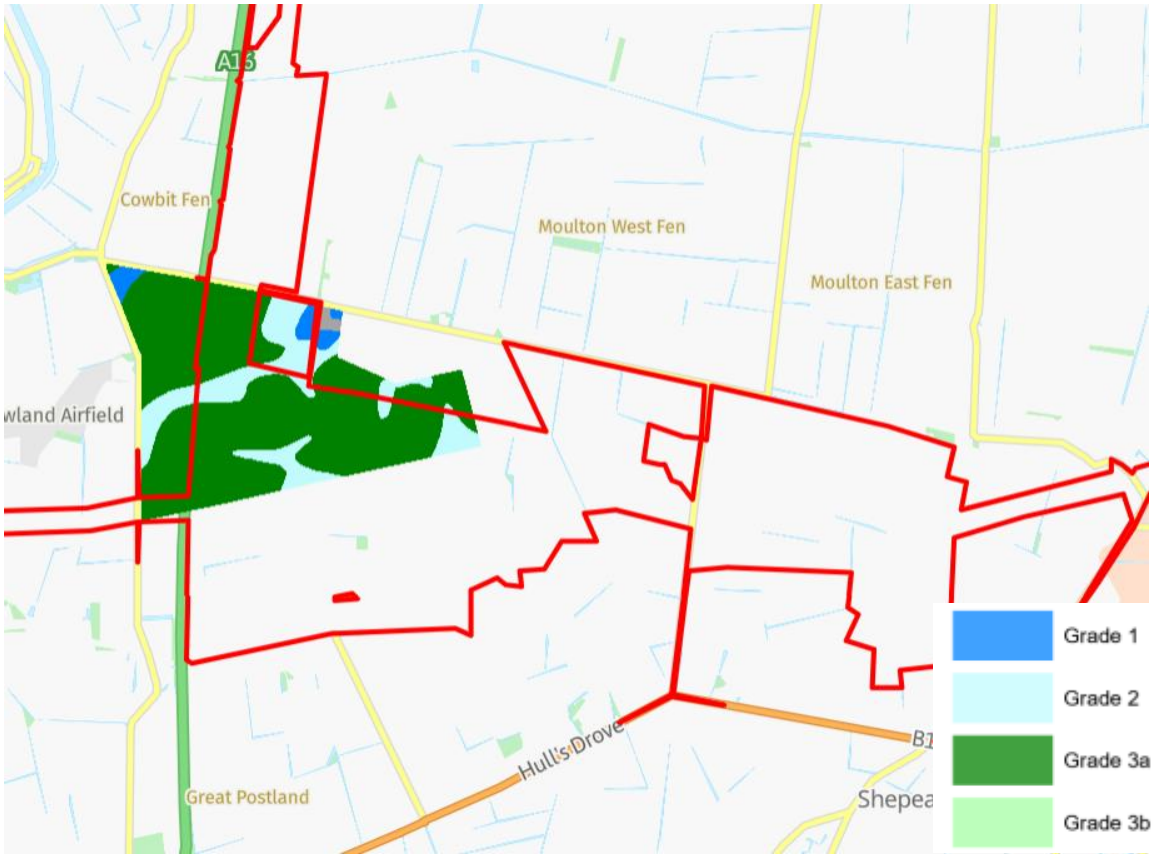
4.6.2. The report largely identified a similar soil profile across the site comprising Silty Clay loam topsoils with Clayey subsoils largely observed with evidence of waterlogging, gleying and mostly non-calcareous with some variably calcareous. Localised areas of fine silty soils were identified across the site with

[2] LRA (2024) Meridian Solar Farm. PEIR Volume III Appendix 9-1: Agricultural Land Classification Survey Report – PV Area. Available at: https://meridiansolarfarm.co.uk/wp-content/uploads/2025/stage-two-consultation/peir-volume-iii/0901%20-%20PEIR%20Volume%20III%20Appendix%209-1%20Agricultural%20Land%20Classification%20Survey%20Report%20PV%20Area.pdf [Accessed 12/08/2026]

more permeable drainage characteristics. this reconnaissance survey identified a mix of mainly ALC ~~grades 2, 3a and~~ Grades 3b~~.~~ and 3a some discrete points were additionally identified with an ALC ~~grade~~Grade of 1~~.~~ and 2.

4.6.3. Additionally, a post 1988 survey, dated 1991 is available covering the north western section of Parcel B[3] .(Figure 5) This ALC identified the majority of this area to be silty Clayey soils, typically "non or only very slightly calcareous throughout" with some discrete areas of lighter textured soils ranging from silt loams to clay loams, variably calcareous, with areas of these lighter silts covering "too small an area to delineate", no point data is available for this survey.

Figure 5: 1991 survey findings within the Site boundary



[3] Resource Planning Group (1991) Agricultural Land Classification detailed Post 1988 ALC survey, Crowland, Postlands Estate (ALCC05791). Available at: https://publications.naturalengland.org.uk/publication/5590632018477056 [Accessed 12/08/2026]

~~4.6.1.~~4.6.4. Provisional DEFRA mapping would indicate that the site is a mix of ALC Grade 1, 2. Updated Predictive DEFRA mapping indicates that the site is a mix of ALC Grade 1, 2, 3a and 5.

4.7. Flood Risk Assessment

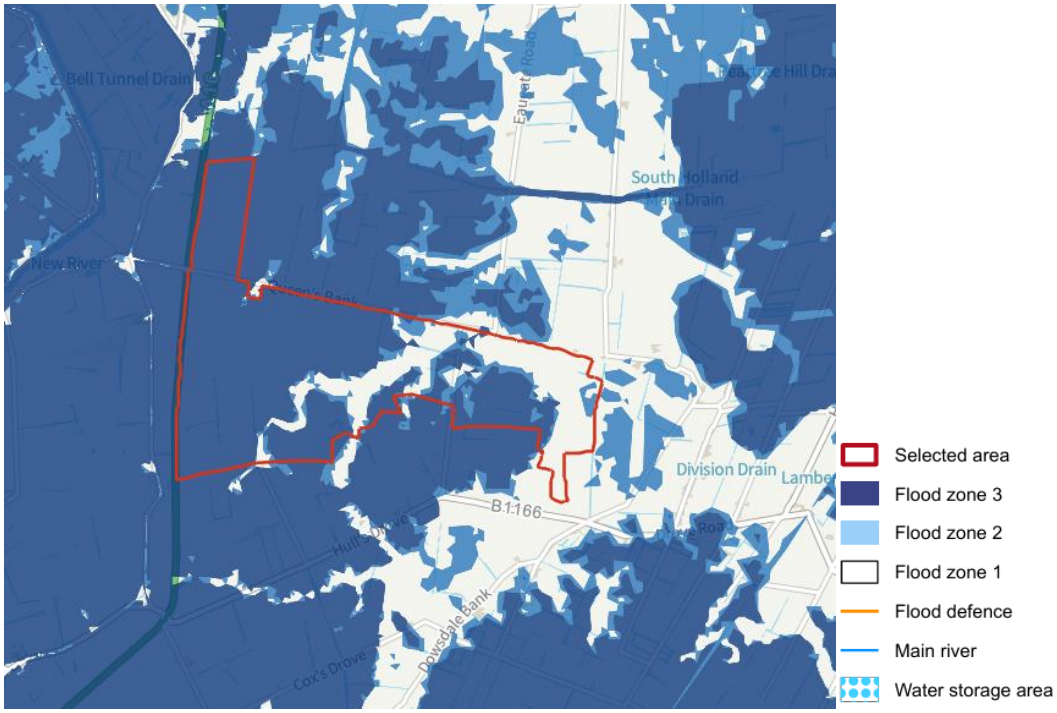
4.7.1. REL have been provided with the following previous third-party report relating to the flood risk on site:

- **ES Appendix 11-3: Flood Risk Assessment** (Doc Ref. 6.3).

4.7.2. Following a review of the above-referenced report, it was noted that AECOM Ltd undertook a Flood Risk Assessment (FRA) to consider the potential flood risk to be present on site for the proposed development of photovoltaic farm areas with associated infrastructure, referred to as Solar Development Area.

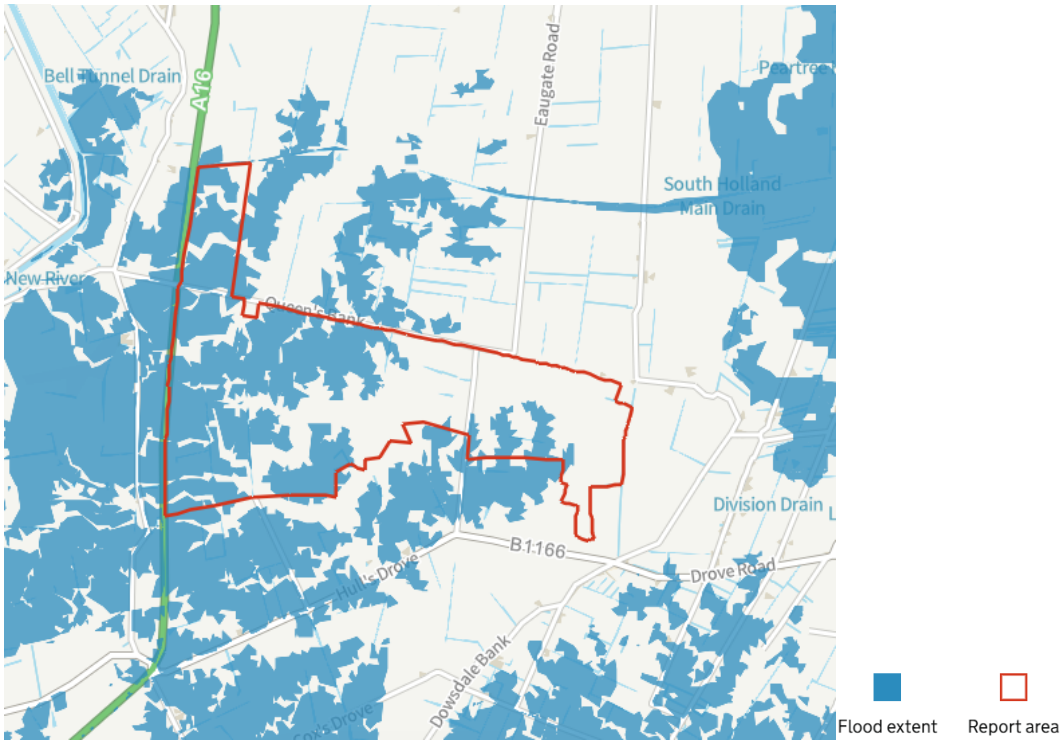
4.7.3. AECOM Ltd reported that the flood risk present from fluvial flooding for the Solar Development Area is High, with the majority of the site located within Flood Zone 2 and 3 (High Probability) areas. Long term flooding is additionally shown to be low to medium risk, which takes into consideration the presence of flood defences, which are noted as an inner embankments, water storage area and outer embankment.

Figure ~~6~~5: Flood Risk Present from Rivers and the Sea for the Site (site boundary defined in red)



4.7.4. The interactive EA Flood Map for Planning on the UK Government website identifies a large portion the site to be within a Flood Zone 3 (High Probability) area, Central and eastern extents of the site are mapped as being within Flood zone 1 (Low) and 2 (Medium Probability) areas (**Figure ~~5~~6**).

~~**Figure 6: Long Term Local Flood Risk from Rivers or the Sea for the Site and Surrounding Area**~~



4.7.5. After reviewing the long-term flood risk map (Figure ~~6~~7) it is considered that the majority of the site is situated within an area classed as having a Low-medium probability of flooding from rivers and sea.

Figure ~~8~~7: Flood Risk Present from Surface Water for the Site (approximate site centre indicated by cross)





4.7.6. Figure ~~7~~8 shows that the site has a low risk of surface water flooding.

4.7.7. The impact of flood risk has been assessed to confirm if it can pose a limitation to the ALC grade of the site, in accordance with the guidance available in Tables 2 and 3 (MAFF, 1988).

4.7.8. The mapping identifies a High~~-~~ risk of flooding from rivers or the sea within the boundary of the site, therefore there is a potential for some areas of the site to have an ALC Grade limitation due to flood risk. However, due to the presence of a flood defence in fair condition located between the site and main river, The long term flood risk to the site is low-medium and therefore it is unlikely that the cultivation of the site is limited by flooding events. As such there is no limitation to ALC grade from flooding.

5. Intrusive Survey Findings

5.1.1. The survey identified Two Soil Types across the entire site. Generalised profiles of the soil types encountered have been described as below (Table 2) however, please note some localised variations were recorded. Complete soil auger logs are provided in **Appendix II** and photographs of the surveyed soils including pit logs are presented in **Appendix III**.

Table 2: Summary of Soils Identified on Site

	Depth (cm)	Texture	Colour	Stones (%)	Mottles	Structure
Soil Type 1	0-30	Coarse Sandy Silt Loam (cSZL)	Dark Brown (10YR 3/3)	0	No	Subangular Blocky
	30-120	Fine Loamy Sand (fLS)	Dark Yellowish Brown (10YR 4/4)	0	Few Fine Ochreous (7.5YR 5/8) and Grey (7.5YR 6/1) Mottles	Fine Subangular Blocky
Soil Type 2	0-35	Heavy Silty Clay Loam to Silty Clay (HZCL - ZC)	Very Dark Greyish Brown (10YR 3/2)	0	No	Subangular Blocky
	35-70	Silty Clay (ZC)	Dark Brown (7.5YR 3/2)	0	Few Fine Ochreous (2.5YR 4/6) Mottles	Coarse Prismatic
	70-120	Clay (C)	Brown (10YR 4/3)	0	Few Fine Ochreous (10YR 4/6) and Grey (2.5Y 5/1) Mottles	Coarse Prismatic

5.1.2. The soils on site comprise a majority of silty clayey soil, with topsoil textures ranging from Heavy silty Clay Loam to Silty Clay, as shown by laboratory testing. Topsoil is mainly non-calcareous Subsoils are largely Clayey and with ochrous mottles in poor structural condition. The soils on site are similar to those identified in the LRA reconnaissance survey comprising clayey, slowly permeable soils, with some areas of lighter-textured clay exhibiting pore-permeable drainage features. They are also consistent with those described in the 1991 ALC survey for the western boundary of Area B, which similarly identifies clay soils. Notably, root channels recorded in the 1991 survey were not identified in the subsoils of the two most recent surveys, which instead show biopore content of less than 0.5%.

5.1.3. Some discrete areas of the site were identified with lighter textured silty clay loams and sandy silt loam, largely non calcareous which are located surrounding or in line with mapped superficial sand and silt deposit. Below these topsoils are some additional permeable loamy sand subsoils with few fine ochreous and grey mottles. Some Silty Clays and clays are found deeper with evidence of waterlogging much lower in the profile.

~~5.1.2.~~5.1.4. The general profiles for the soil types identified on the Site ~~have~~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~~pits associated with the Soil Type identified on site. The assessment process and results of the in-field wetness assessment is provided within Table 3 below with a plan of the distribution of the soil types across the site shown in **Appendix I.**

Table 3: Wetness Class Assessment for Soil Types Encountered on Site

Soil Type	Parameters (Figure 6, MAFF)						
	Disturbed	FCD	SPL (depth cm) Justification	Colour	Gleying (depth cm) Justification	Ref	Wetness Class
Soil Type 1	No	93.00	No SPL layer was identified to be present within the top 120cm.	Other	Gleying was not identified to be present within the top 120cm.	N/A	I
Soil Type 2	No	93.00	At a depth of 35cm, 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 0.50mm diameter • evidence of wetness in the layer; ochreous mottles	Other	Gleying was not identified to be present within the top 120cm.	Figure 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.

5.2. Soil Type 1 – Wetness Limitation

5.2.1. The combination of the topsoil texture (Coarse Sandy Silt Loam), Wetness Class (I) and the number of Field Capacity Days (93.00) results in ALC Grade 1 for Type 1 soils. However, it is noted that discrete areas of the site are not managed differently to the wider site area and where there is no visual difference between these areas and the lower graded adjacent land it is justifiable to group these areas of Grade 1 into the surrounding lower graded land.

5.2.2. A total of c.57ha has been identified with the combination the topsoil texture (Heavy Silty Clay Loam), Wetness class (I) and the number of Field Capacity Days (93.00) which results in ALC Grade 2 for Type 1 Soils. However, it is noted that discrete areas of approximately 7ha of this grade are not managed differently to the wider site area and there is no visual difference between these areas and the lower graded adjacent land. It is therefore justifiable to group these areas of Grade 2 into the surrounding lower graded land.

5.3. Soil Type 2 - Wetness Limitation

5.3.1. The combination of the topsoil texture (Heavy Silty Clay Loam to Silty Clay), Wetness Class (III) and the number of Field Capacity Days (93.00) results in ALC Grade 3b for Type 2 soils.

5.3.2. A total of 26.56ha has been identified with the combination the topsoil texture (Medium Silty Clay Loam), Wetness class (II) and the number of Field Capacity Days (93.00) which results in ALC Grade 2 for Type 2 Soils. However, it is noted that discrete areas of the site are not managed differently to the wider site area and there is not visual difference between these areas and the lower graded adjacent land. It is therefore justifiable to group these areas of Grade 2 into the surrounding Grade 3b land.

5.3.3. A total of 157.83ha has been identified with the combination the topsoil texture (Medium Silty Clay Loam), Wetness class (III) and the number of Field Capacity Days (93.00) which results in ALC Grade 3a for Type 2 Soils. However, it is noted that these sections of the site are not managed differently to the wider site area and where there are no visual difference between these areas and the lower graded adjacent land it is justifiable to group these areas of Grade 3a into the surrounding Grade 3b land~~.~~ to avoid isolated mapping unit impurities.

6. Conclusions

6.1.1. The ALC grading for the site area is summarised below within Table 4, overall findings of this assessment can be found in **Appendix IV**. The table below identifies the grades of the areas of agricultural land present across the site (**Appendix I**).

Table 4: ALC Classification Point by Point Analysis

ALC Grade	Area (Ha)	Percentage
Grade 1	97.49	16.1%
Grade 2	83.43	13.8%
Subgrade 3a	157.83	26.1%
Subgrade 3b	208.93	34.5%
Grade 4	0.0	0.0%
Grade 5	0.0	0.0%
Non-Agricultural	0.0	0.0%
Not Surveyed/No Access	57.43	9.5%
Total Site Area	605.11	100%
Total BMV	338.75	56.0%
Total Non-BMV	208.93	34.5%
Not Surveyed/No Access	57.43	9.5%
Total Site Area	605.11	100%

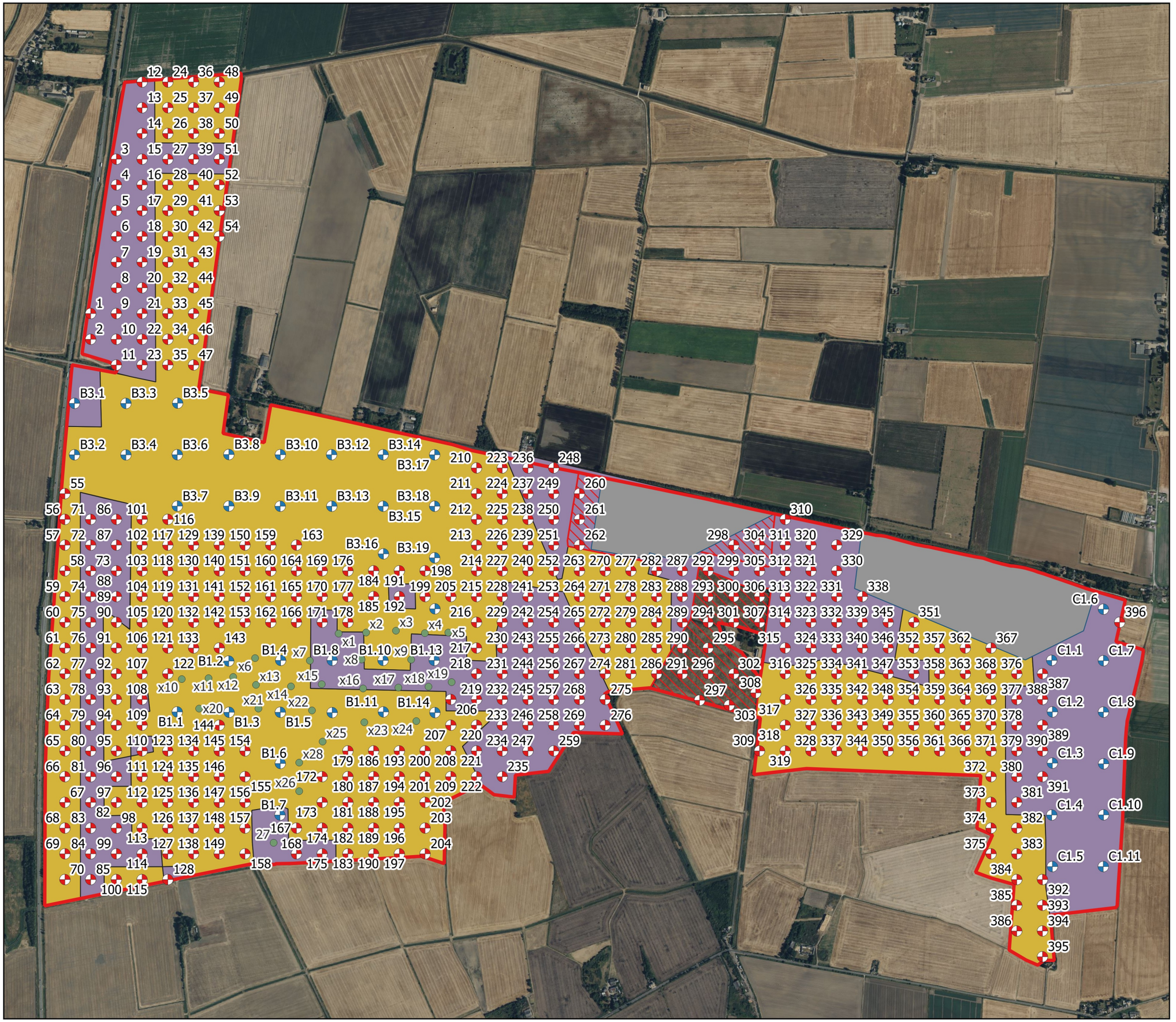
Table 5: ALC Classification field averages

ALC Grade	Area (Ha)	Percentage
Grade 1	73.82	12.2%
Grade 2	77.90	12.9%
Subgrade 3a	165.33	27.3%
Subgrade 3b	230.63	38.1%
Grade 4	0.0	0.0%
Grade 5	0.0	0.0%
Non-Agricultural	0.0	0.0%
Not Surveyed/No Access	57.43	9.5%
Total Site Area	605.11	100%
Total BMV	317.05	52.4%
Total Non-BMV	230.63	38.1%
Not Surveyed	57.43	9.5%
Total Site Area	605.11	100%

6.2. Overall Site ALC Grade and Conclusions

6.2.1. The methods of point-by-point and field average data did not generate a significant variation to the presented grades in Tables 4 and 5, it would be justifiable for the purpose of this report to adopt the field average approach as there was no in field evidence that variable grades within the same land parcel were managed differently. Based on field average data, the majority of land surveyed as part of this assessment has been identified as ALC Grade 3b (230.63ha), with approximately 73.82ha identified as ALC Grade 1, 77.90ha identified as ALC Grade 2 and 165.33ha identified as ALC Grade 3a due to wetness limitation. As such, Best and Most Versatile (BMV) land has been identified on 52.4% of the overall site area.

Appendix I Site Plans



Legend

- Site Boundary
- Proposed Sample Points per 1ha
- Proposed Sample Points per 2ha
- X (Auger Samples)
- ST 1
- ST2
- Not Surveyed - Excluded
- No Access

0 100 200 300 400 500 m

N

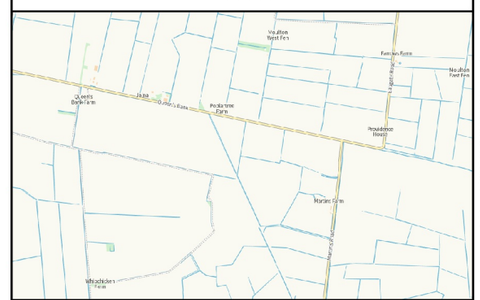
Figure
Proposed Auger Locations and Soil Types

Job
Meridian Solar Farm (B&C), Spalding

Client
AECOM Ltd

Figure No.	Revision	Date
2	4	03 December 2025
Drawn by	Checked by	Scale
EH		1:13,800

Job No.
250609

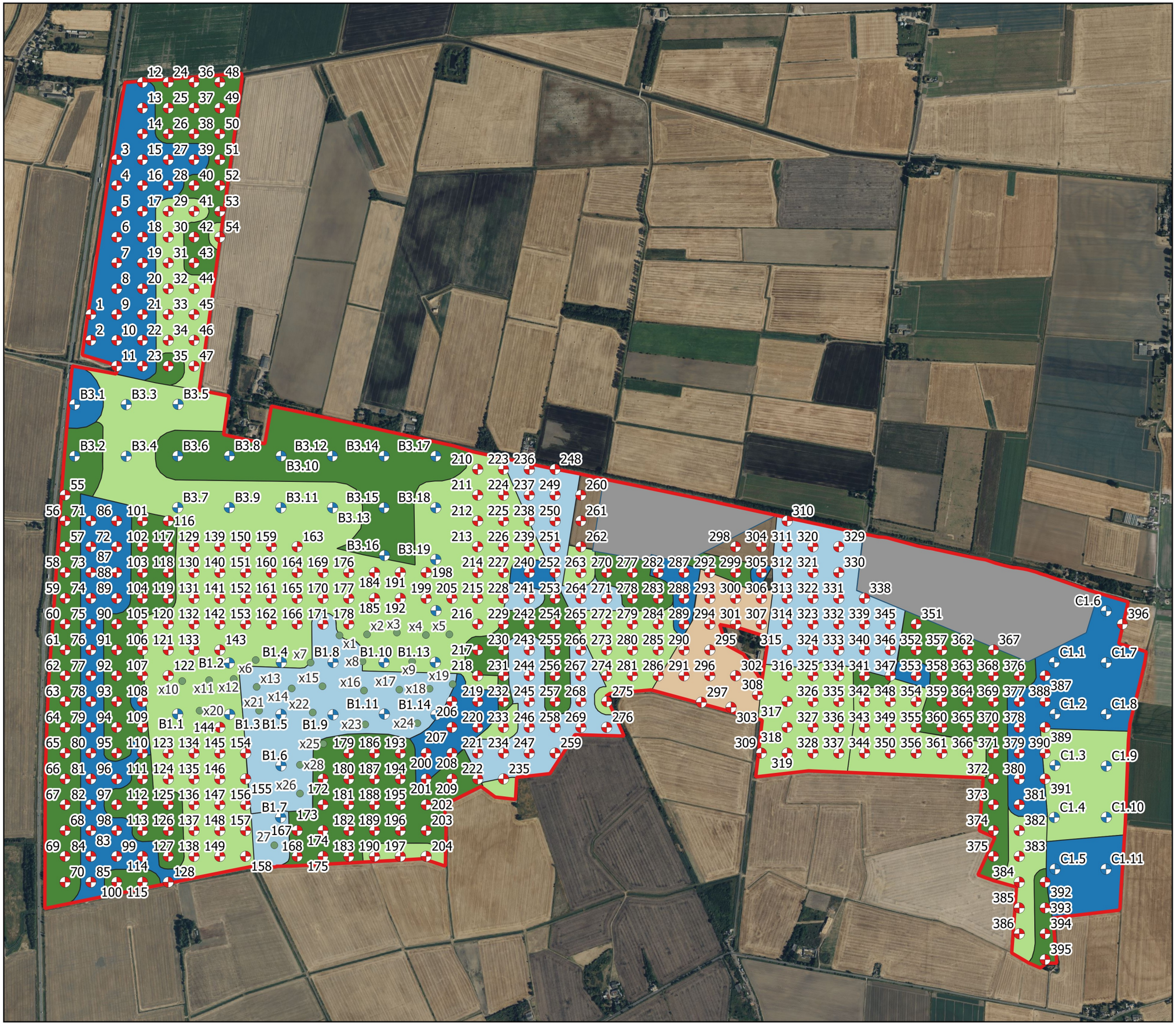


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Legend

- Site Boundary
- Proposed Sample Points per 1ha
- Proposed Sample Points per 2ha
- X (Auger Samples)
- ALC Grade 1
- ALC Grade 2
- ALC Grade 3a
- ALC Grade 3b
- Not Surveyed - Excluded
- Livestock in Field - Not Accessed

0 100 200 300 400 500 m

N

Figure: Auger Samples and Point by Point ALC Grades

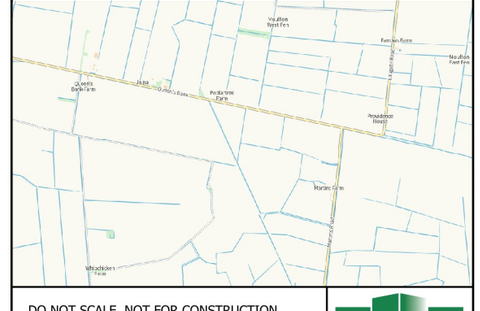
Job: Meridian Solar Farm (B&C), Spalding

Client: AECOM Ltd

Figure No.	Revision	Date
3	4	03 December 2025

Drawn by	Checked by	Scale
EH		1:13,800

Job No. 250609

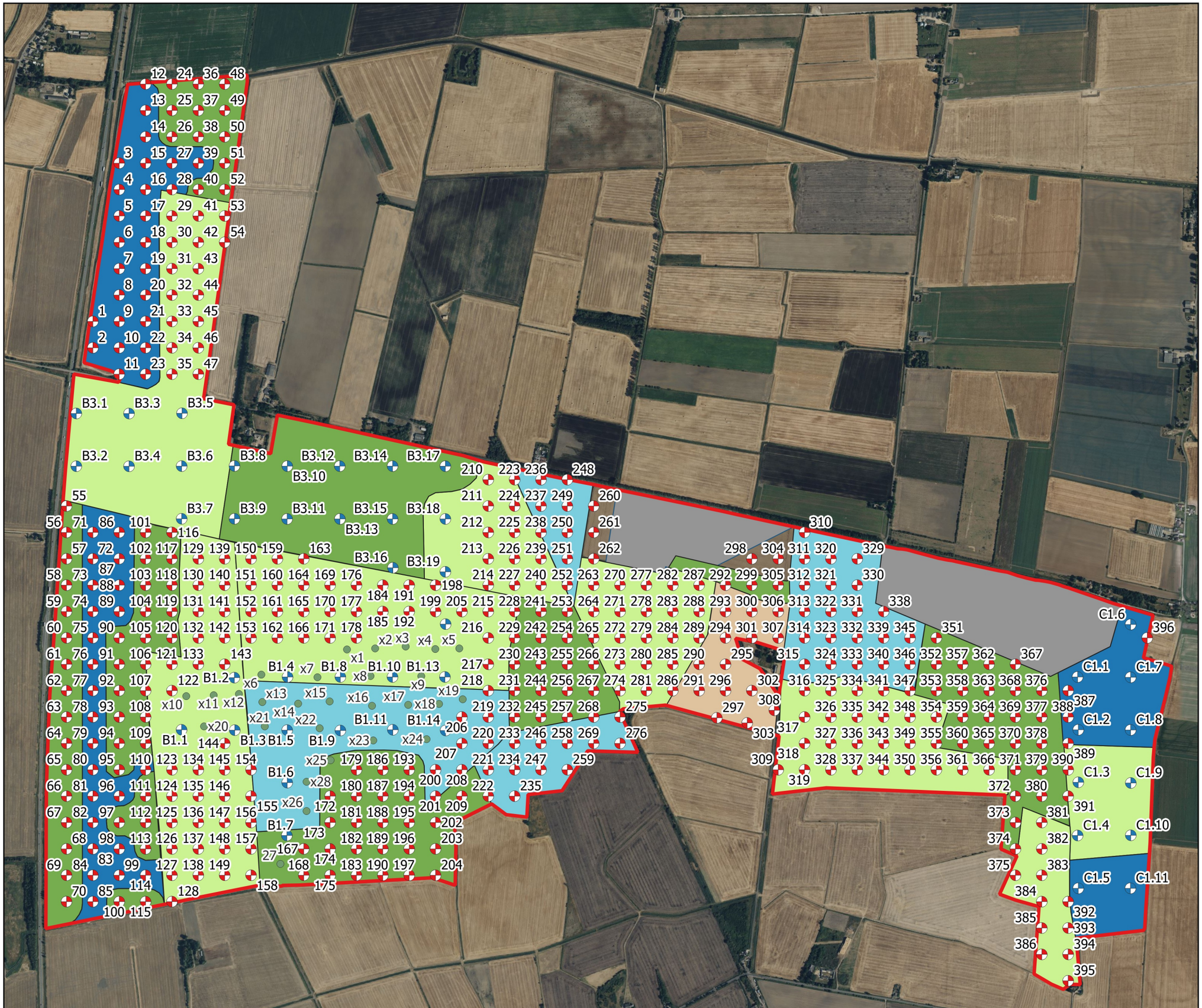


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Legend

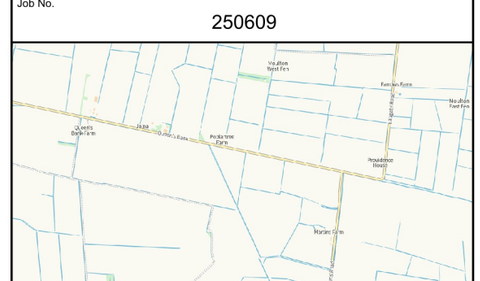
- Site Boundary
- Proposed Sample Points per 1ha
- Proposed Sample Points per 2ha
- X (Auger Samples)
- Avg ALC Grade 1
- Avg ALC Grade 2
- Avg ALC Grade 3a
- Avg ALC Grade 3b
- Livestock in Field - Not Accessed
- Not Surveyed - Excluded

0 100 200 300 400 500 m

N

Figure	Auger Samples and Averaged ALC Grades
Job	Meridian Solar Farm (B&C), Spalding
Client	AECOM Ltd

Figure No.	Revision	Date
4	4	03 December 2025
Drawn by	Checked by	Scale
EH		1:13,800
Job No.		
250609		



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Appendix II Site Survey Logs

		93		MDWHT:	119.03	MDPOT:	114.78

					Matrix				Mottles 1				Mottles 2											Dr Grade		
uger Samp	top depth	ottom Dep	Texture	CaCO3	Hue	value	chroma	colour	Hue	value	chroma	colour	Hue	value	chroma	colour	Stones	Structure	SPL	GLEYING	Figure	Wet class	Wet Grade	condition	Wheat	Potatoes	overall	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
1	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
2	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
3	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
4	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
5	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
6	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
7	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
8	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
9	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
10	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
11	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
12	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
13	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
14	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL	+	10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
15	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	sl calc sub
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
16	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
17	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
18	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				

Note: + Positive effervescence

	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
19	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
20	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
21	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
22	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
23	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
24																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
25																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
26																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
27	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
28	90	120	C		10YR	4	3	Brownish	10YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
29																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
30																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
31																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
32																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
33																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
34																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	SC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
35																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
36																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	80	SCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
37	80	120	C		10YR	4	3	Brownish	10YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
38																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				

	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
39	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
40																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
41																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	55	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	55	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
42																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	35	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	120	SC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
43																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
44																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
45																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
46																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
47																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	25	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	25	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
48																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
49																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
50																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
51																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
52																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	SC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
53																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
54																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
55	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
56	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
57	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
58	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
59	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
60	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
61	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
62	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
63	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
64	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
65	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
66	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
67	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
68	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
69	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
70	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
71	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
72	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
73	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
74	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
75	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
76	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
77	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
78	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				

	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
79	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
80	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
81	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
82	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
83	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
84	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
85	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
86	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
87	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
88	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
89	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
90	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	C		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
91	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	C		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
92	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
93	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
94	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
95	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
96	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
97	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	20	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	50	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
98	50	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				

	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
99	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
100	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
101	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
102	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
103	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
104	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
105	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
106	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
107	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	40	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	50	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
108	50	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	55	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
109	55	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	25	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	25	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
110	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
111	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
112	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
113	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
114	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
115	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
116	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
117	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
118	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
119	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	25	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	25	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
120																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
121																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
122																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
123																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
124																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
125	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
126	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
127	70	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	CSZL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	FSZL	+	10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
128	45	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	calc
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
129																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
130	70	120	C		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
131																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
132																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
133																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
134																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
135																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
136																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
136																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
137																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	30	70	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
138	70	120	C		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
139	70	120	C		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
140	70	120	C		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	70	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
141	70	120	C		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	SC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
142																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
143																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
144																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
145																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
146																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
147																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
148																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
149																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
150																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
151																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
152																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
153																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
154																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
155																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
156																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
157																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
158																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
159																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
160																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
161																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
162																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
163																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
164																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
165																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
166																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
167																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
168	70	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
169																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
170																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	70	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
171	70	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No	Figure 8	II	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
172																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	35	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
173																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				poor				
174																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	30	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	45	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
175	45	120	ZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
176																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	70	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No				moderate				
177	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
178																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
179																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
180																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
181																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
182																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	60	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
183	60	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
184																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
185																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
186																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
187																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
188																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
189																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
190																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
191																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	70	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No				moderate				
192	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
193																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
194																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
195																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
196																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
197																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
198																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
199																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	FSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
	35	120	MSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
200																			No	No	WC1	I	1	moderate	1	1	1	
	0	35	FSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
	35	120	MSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
201																			No	No	WC1	I	1	moderate	1	1	1	
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
202																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
203																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
204																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
205																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	FSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
	35	120	MSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
206																			No	No	WC1	I	1	moderate	1	1	1	
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
207																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	35	FSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
	35	120	MSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
208																			No	No	WC1	I	1	moderate	1	1	1	
	0	35	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
209																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
210																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
211																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
212																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
213																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
214																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
215																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
216																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	65	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	65	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
217																			No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	35	70	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No				moderate				
218	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	FSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
	35	120	MSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
219																			No	No	WC1	I	1	moderate	1	1	1	
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
220																			No	No	WC1	I	1	moderate	1	1	1	
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
221	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	II	2	moderate	1	1	2	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
222																			No	No	WC1	I	1	moderate	1	1	1	
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
223																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
224																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
225																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
226																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
227																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
228																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
229	40	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
230	40	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
231	40	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	35	FSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
	35	120	MSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
232																			No	No	WC1	I	1	moderate	1	1	1	
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	70	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No				moderate				
233	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
234	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	II	2	moderate	1	1	2	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	70	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No				moderate				
235	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
236																			No	No	WC1	I	2	moderate	1	1	3	
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
237																			No	No	WC1	I	2	moderate	1	1	3	
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
238																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
239																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		CP	SPL	No				moderate				
240																			No	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	35	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	70	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
241	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
242	40	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	70	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
243	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
244	75	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	45	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	70	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
245	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	50	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	70	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
246	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
247	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
248																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
249																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
250																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
251																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
252																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
253	40	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	20	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
254	40	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
255	5	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
256	5	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
257	5	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	30	60	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
258	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	II	2	moderate	1	1	2	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
259	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	II	2	moderate	1	1	2	wet
	No Access																							moderate				
																								moderate				
260																								moderate				
	No Access																							moderate				
																								moderate				
261																								moderate				
	No Access																							moderate				
																								moderate				
262																								moderate				
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
263																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
264	75	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
265																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
266	75	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
267	75	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
268	75	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
269	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 8	II	2	moderate	1	1	2	wet
	0	55	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	55	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
270																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
271	75	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	II	2	moderate	1	1	2	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
272																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
273																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
274																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	70	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No				moderate				
275	70	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
276	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	II	2	moderate	1	1	2	wet
	0	55	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	55	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
277																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				

	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
278	5	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
279																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
280																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
281																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	80	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
282	80	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	75	ZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
283	5	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
284																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
285																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
286																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	80	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
287	80	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	50	80	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
288	80	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	50	80	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
289	80	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
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	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	60	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
292	60	120	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No	Figure 7	II	3a	moderate	1	1	3a	wet
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	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate					
	45	75	FSZL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate					
299	75	120	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No	Figure 8	II	3a	moderate	1	1	3a	wet	
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	0	60	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate					
	60	80	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate					
305	80	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1		
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	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate					
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate					
310	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet	
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate					
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate					
311	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet	
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate					
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate					
312	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet	
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate					
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate					
313	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet	
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate					
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate					
314	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet	
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate					
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate					
315	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet	
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	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
320	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	30	ZC		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
321	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
322	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
323	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	45	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
324	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
329	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
330	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
331	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	45	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
332	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	50	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	50	70	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
333	70	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	45	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
338	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	50	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	50	70	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
339	70	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	50	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	50	70	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
340	70	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		
	0	55	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate						
	55	80	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate						
341	80	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet		
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate						
	40	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate						
342																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet		
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate						
	35	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate						
343																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet		
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate						
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate						
344																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet		
	0	20	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate						
	20	40	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate						
345	40	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet		

	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
346	60	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet
	0	20	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	40	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
347	40	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	2	moderate	1	1	2	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
348																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
349																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
350																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
351																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
352																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	45	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
353	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
354																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
355																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
356																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
357																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
358																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
359	40	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
360	69	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
361																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
362																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
363																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	40	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
364	40	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
365	69	120	C		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet

	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
366																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
367																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
368																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
369																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
370																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
371																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
372																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
373																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
374																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
375																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
376																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	45	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
377	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	45	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
378	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	45	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
379	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	45	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
380	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	45	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	75	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
381	75	120	FSL		10YR	4	4	Brownish	7.5R	5	8	Ochreous	7.5YR	6	1	Greyish		MSAB	No	No	WC1	I	1	moderate	1	1	1	
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
382																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
383																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
384																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
385																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet

	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
386																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
387																			No	No	WC1	I	1	moderate	1	1	1	
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
388																			No	No	WC1	I	1	moderate	1	1	1	
	0	40	MZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
389																			No	No	WC1	I	1	moderate	1	1	1	
	No Access																							moderate				
																								moderate				
390																								moderate				
	No Access																							moderate				
																								moderate				
391																								moderate				
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
392																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
393																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
394																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
395																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	50	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
396																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B1.1																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B1.2																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B1.3																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B1.4																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
B1.5																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	30	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
B1.6																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	20	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	20	70	HZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
B1.7	70	120	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		FSAB	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	120	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
B1.8																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
B1.9																			No	No	WC1	I	2	moderate	1	1	2	wet

	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B1.10																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
B1.11																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B1.12																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MSAB	SPL	No				moderate				
B1.13																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
B1.14																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	50	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	50	60	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		FSAB	No	No				moderate				
B3.1	60	120	MZCL		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No	Figure 7	II	1	moderate	1	1	1	
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	90	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.2	90	120	ZC		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.3																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.4																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.5																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	90	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.6	90	120	ZC		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet

	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.7																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	90	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.8	90	120	ZC		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.9																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	90	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.10	90	120	ZC		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	30	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.11																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	90	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.12	90	120	ZC		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.13																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	90	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.14	90	120	ZC		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	55	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	55	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.15																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	60	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	60	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.16																			No	No	Figure 7	II	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	90	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.17	90	120	ZC		10YR	4	3	Brownish	10YR	6	4	Pale	2.5Y	5	1	Greyish		CP	No	No	Figure 8	II	3a	moderate	1	1	3a	wet
	0	40	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
B3.18																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	45	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				

	B3.19																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
		0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
calc		50	120	FSZL	+	10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	C1.1																			No	No	WC1	I	1	moderate	1	1	1	
		0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
		50	120	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	C1.2																			No	No	WC1	I	1	moderate	1	1	1	
		No Access																							moderate				
																									moderate				
	C1.3																								moderate				
		No Access																							moderate				
																									moderate				
	C1.4																								moderate				
		0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
calc		50	120	FSZL	+	10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	C1.5																			No	No	WC1	I	1	moderate	1	1	1	sl calc sub
		0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
calc		50	120	FSZL	+	10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	C1.6																			No	No	WC1	I	1	moderate	1	1	1	sl calc sub
		0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
calc		50	120	FSZL	+	10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	C1.7																			No	No	WC1	I	1	moderate	1	1	1	sl calc sub
		0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
		50	120	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	C1.8																			No	No	WC1	I	1	moderate	1	1	1	
		No Access																							moderate				
																									moderate				
	C1.9																								moderate				
		No Access																							moderate				
																									moderate				
	C1.10																								moderate				
		0	50	CSZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		FSAB	No	No				moderate				
		50	120	FSZL		10YR	3	3	other	7.5YR	5	8	Ochreous	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	C1.11																			No	No	WC1	I	1	moderate	1	1	1	

FCD:	93	MDWHT:	119	MDPOT:	114.78

Auger Sample	Top depth(cm)	Bottom Depth (cm)	Texture	CaCO3	Matrix				Mottles 1				Mottles 2				Stones	Structure	SPL	GLEYING	Figure	Wetness class	Wetness Grade	condition	oughtiness Gra		Overriding Limitation	
					Hue	value	chroma	colour	Hue	value	chroma	colour	Hue	value	chroma	colour									Wheat	Potatoe		
	0	32	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	32	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
309																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
316																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	37	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	37	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
317																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	25	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	25	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
318																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
319																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	32	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	32	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
325																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	23	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	23	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
326																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
327																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
328																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
334																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
335																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
336																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	32	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	32	120	C		7.5YR	3	3	other	2.5YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
337																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
C1.3																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	37	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	37	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
C1.4																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	32	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	32	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
C1.9																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet

Note: + Positive effervescence

	0	60	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	60	120	ZC		10YR	4	3	Brownish	10YR	6	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
C1.10																			No	No	Figure 7	II	3a	moderate	1	1	3b	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.1																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	32	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	32	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.2																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
X.3																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	37	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	37	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
X.4																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	35	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
X.5																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	45	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.6																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.7																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	42	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	42	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.8																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	37	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	37	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.9																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.10																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	42	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	42	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.11																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	38	ZC		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	38	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.12																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MAB	No	No				moderate				
X.13																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	45	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MAB	No	No				moderate				
X.14																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	35	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MAB	No	No				moderate				
X.15																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	45	HCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MAB	No	No				moderate				
X.16																			No	No	WC1	I	2	moderate	1	1	2	wet
	0	35	HCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		MAB	No	No				moderate				
X.17																			No	No	WC1	I	2	moderate	1	1	2	wet

	0	42	HCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	42	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MAB	No	No				moderate				
X.18																		No	No	WC1	I	2	moderate	1	1	2	wet
	0	40	HCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		WCP	No	No				moderate				
X.19																		No	No	WC1	I	2	moderate	1	1	2	wet
	0	30	ZC	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.20																		No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MAB	No	No				moderate				
X.21																		No	No	WC1	I	2	moderate	1	1	2	wet
	0	45	HZCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		WCP	No	No				moderate				
X.22																		No	No	WC1	I	2	moderate	1	1	2	wet
	0	45	HCL	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	7.5YR	5	1	Greyish		WCP	No	No				moderate				
X.23																		No	No	WC1	I	2	moderate	1	1	2	wet
	0	40	HZCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	40	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		MAB	No	No				moderate				
X.24																		No	No	WC1	I	2	moderate	1	1	2	wet
	0	42	ZC	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	42	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.25																		No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	32	HCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	32	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.26																		No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	42	HCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	42	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.27																		No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HCL	10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	ZC	7.5YR	3	3	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
X.28																		No	No	Figure 7	III	3b	moderate	1	1	3b	wet

Structure	
MSAB	Medium Subangular Blocky
AB	Angular Blocky
CP	Coarse Prismatic
MSAB	Massive
SAB	Subangualr 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
	Inaccesible areas
	N/A

Appendix III Site Survey Photographs

Photograph Number	Photograph Description	Photograph
1.	**Meridian Solar Farm, Spalding** General view of survey area B1 and B5	
2.	**Meridian Solar Farm, Spalding** General view of survey area B2	
3.	**Meridian Solar Farm, Spalding** General view of survey area B3	

Photograph Number	Photograph Description	Photograph
4.	**Meridian Solar Farm, Spalding** General view of survey area C1	
5.	**Meridian Solar Farm, Spalding** General view of survey area C2 No access in some areas due to tall and dense Mustard Seed crops.	
6.	**Meridian Solar Farm, Spalding** No Access – Horses.	

Photograph Number	Photograph Description	Photograph
7.	**Meridian Solar Farm, Spalding** Soil Type 1 – Auger.	
8.	**Meridian Solar Farm, Spalding** Soil Type 1 – Subsoil Structure.	
9.	**Meridian Solar Farm, Spalding** Clay subsoil. Brownish with Numerous grey and ochreous mottles. Ochreous mottle colour varies in chroma from very light to deep reddish orange	

Photograph Number	Photograph Description	Photograph
10.	**Meridian Solar Farm, Spalding** Clay subsoil. Brownish with numerous grey and ochreous mottles. Ochreous mottle colour varies in chroma from very light to deep orange	
11.	**Meridian Solar Farm, Spalding** Soil Type 2 – Auger.	
12.	**Meridian Solar Farm, Spalding** Clay subsoil. Many mottles (>50%) largely ochreous with some grey	

Photograph Number	Photograph Description	Photograph
13.	**Meridian Solar Farm, Spalding** Clay subsoil. Brownish with numerous grey and ochreous mottles. Ochreous mottle colour varies in value	
14.	**Meridian Solar Farm, Spalding** Sandy Clay subsoil. Brownish with numerous grey and ochreous mottles	
15.	**Meridian Solar Farm, Spalding** Clay subsoil. Brownish with numerous grey and ochreous mottles. Ochreous mottle colour varies in value	

Soil Pit Log :Meridian	
Pit Log 1 Approx GR: TF 28363 13466 0-20 cm sandy Silt loam (10YR 3/3), no stones, fine subangular blocky and moderately friable 20cm Loamy sand (10YR 4/4) no stones, many ochreous mottles (7.5YR 5/8 fine subangular blocky structure, dry and compacted slightly friable	**Soil Pit View** 
Depth to SPL: 20	
Depth to Gleying: No Gleying	
Wetness Class: I	
Wetness grade: 1	

AP Wheat: 154.5	MB Wheat: 35.47	AP Potatoes: 125	MB pot: 1.22

Soil Pit Log :Meridian

Pit Log 2

Approx GR: TF 30173 13687

0-36cm Dark greyish brown Heavy Silty Clay Loam 10 YR 3/2, no stones no mottles,

36cm-70 Silty Clay 10YR 4/2, no stones, medium ochreous mottles (10YR 6/8, 2.5YR 4/6). Coarse subangular blocky structure, slightly firm in consistence.

70cm+ Brown Clay 10YR4/3, no stones ochreous mottles (10YR 4/6), Grey mottles (2.5Y 5/1). Coarse prismatic and firm in consistency.

Depth to SPL: 36cm

Depth to Gleying: Not Gleyed

Wetness Class: III

Wetness grade: 3b

Soil Pit View



Additional images



AP Wheat:	MB Wheat:	AP Potatoes:	MB Wheat: -29.58
134.20	15.17	85.2	



Legend

- Site Boundary
- Pit

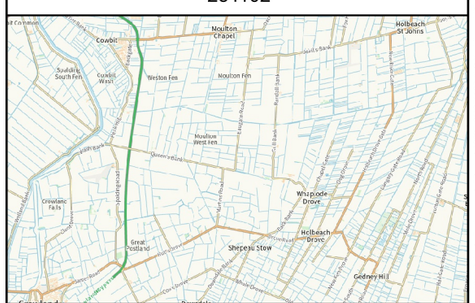
0 300 600 900 1,200 1,500 m

N

Figure	Meridian Pit locations
Job	Meridian Solar
Client	AECOM

Figure No.	Revision	Date
1	1	02 July 2026
Drawn by	Checked by	Scale
EH	EB	1:38,360

Job No. 251102


Holbeach St Johns
Moulton Chapel
Cowbit
Sutton Bridge
Sutton St James
Sutton Bridge
Sutton Bridge
Sutton Bridge

Appendix IV Summary of Findings

Job Name:	Meridian Solar Farm
Job Number:	250609
Date:	03/12/2025
Completed By:	EH

Site Altitude:	2
Centre Grid Ref:	528616 313934

AAR	544.00
ATO	1446.68
FCD	93.00
MDMWHT	119.03
MDMPOT	114.78

Average Calculations

	Soil Type 1	**Soil Type 2**
AP WHT	178.00	145.00
MB WHT	58.97	25.97
AP POT	117	119
MB POT	2.22	4.22

Appendix V Terminology

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 ~~agriucltural~~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.

Main Factor	Sub Factor	Explanation
	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.

Extract of MAFF Guidance Figure 6

Figure 6

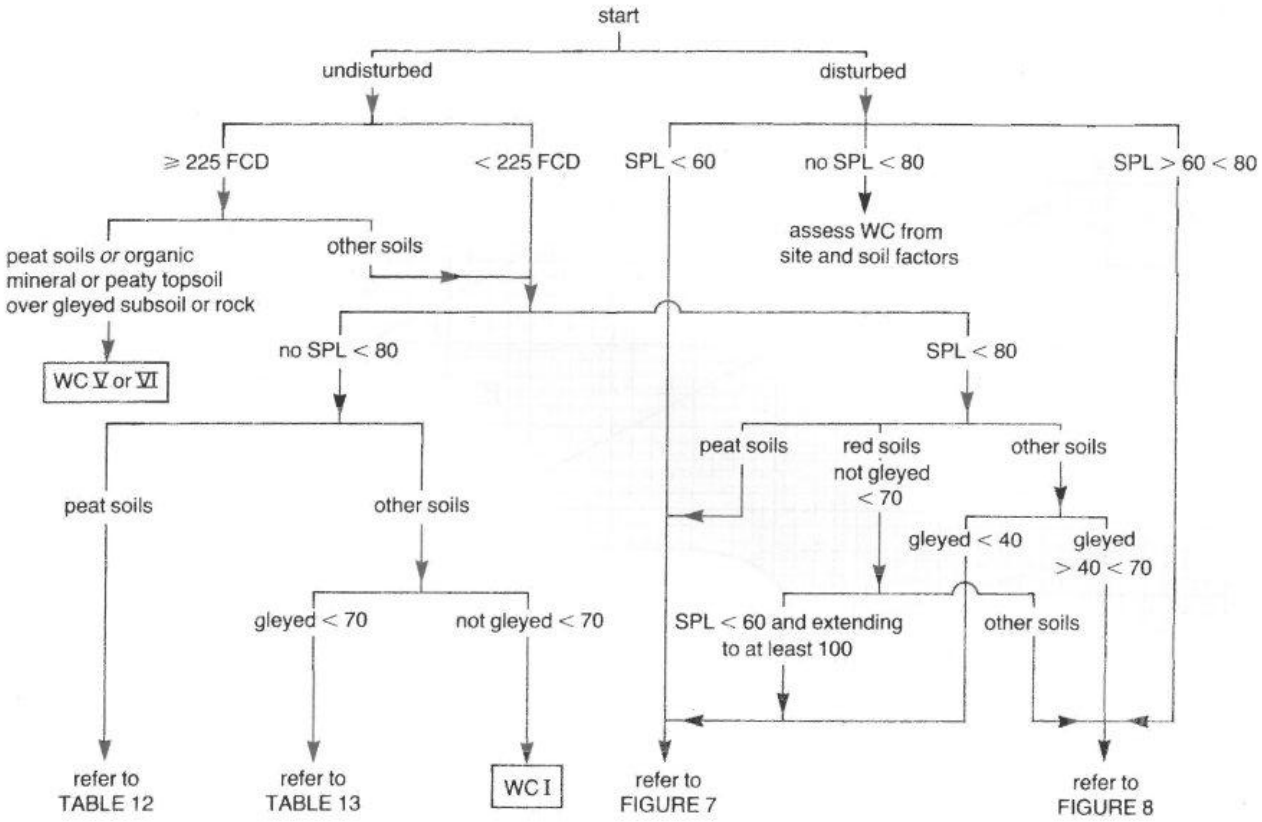


Figure 6. Flow diagram for assessing soil wetness class (WC) from field capacity days (FCD), depth to gleying (in cm) and depth to a slowly permeable layer (SPL, in cm)

Appendix VI Laboratory Results

ANALYTICAL TEST REPORT

Report Number	25-10953, issue number 1
Contract name:	Meridian B&C ALC
Client reference:	250609
Clients name:	Roberts Environmental
Clients address:	Roberts Environmental 1 Croft Stairs Newcastle Upon Tyne NE1 2HG
Samples received:	07/11/2025
Analysis started:	14/11/2025
Analysis completed:	14/11/2025
Report issued:	14/11/2025

Key

U UKAS accredited test
M MCERTS & UKAS accredited test
(B) Analysis performed at Southampton Site
I/S Insufficient sample to carry out test
U/S Sample not suitable for testing
NAD No Asbestos Detected
Full key available on Information page

[redacted]

Approved by: [redacted]
Senior Reporting Administrator

SAMPLE INFORMATION

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
75699	BH 29	0.00 - 0.30				
75700	BH 92	0.00 - 0.42				
75701	BH 165	0.00 - 0.30				
75702	BH 212	0.00 - 0.27				
75703	BH 321	0.00 - 0.30				
75704	BH 327	0.00 - 0.40				
75705	BH B1.7	0.00 - 0.40				
75706	BH C.36	0.00 - 0.35				
75707	BH x.17	0.00 - 0.35				
75708	BH x.26	0.00 - 0.32				

SOILS

Lab Number					75699	75700	75701	75702	75703
Sample ID					BH 29	BH 92	BH 165	BH 212	BH 321
Depth (m)					0.00 - 0.30	0.00 - 0.42	0.00 - 0.30	0.00 - 0.27	0.00 - 0.30
Sampling Date					05/11/2025	05/11/2025	05/11/2025	05/11/2025	05/11/2025
Test	**Method**	**Accred**	**LoD**	**Units**					
Miscellaneous									
% Clay	CE118	N	0.1	%	41.3	58.9	37.9	32.9	35.2
% Sand	CE118	N	0.1	%	7.7	6.9	13.8	6.2	16.9
% Silt	CE118	N	0.1	%	51.0	34.2	48.4	60.9	47.9

SOILS

Lab Number					75704	75705	75706	75707	75708
Sample ID					BH 327	BH B1.7	BH C.36	BH x.17	BH x.26
Depth (m)					0.00 - 0.40	0.00 - 0.40	0.00 - 0.35	0.00 - 0.35	0.00 - 0.32
Sampling Date					05/11/2025	05/11/2025	05/11/2025	05/11/2025	05/11/2025
Test	**Method**	**Accred**	**LoD**	**Units**					
Miscellaneous									
% Clay	CE118	N	0.1	%	42.7	34.4	27.9	27.6	48.9
% Sand	CE118	N	0.1	%	5.3	19.0	30.0	30.0	5.1
% Silt	CE118	N	0.1	%	52.0	46.6	42.1	42.4	46.0

DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75699	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH 29	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	41						
Silt content	% w/w	51						
Sand content	% w/w	8						
Soil texture	**class**	**Silty Clay**	N	N	N	N	N	N

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

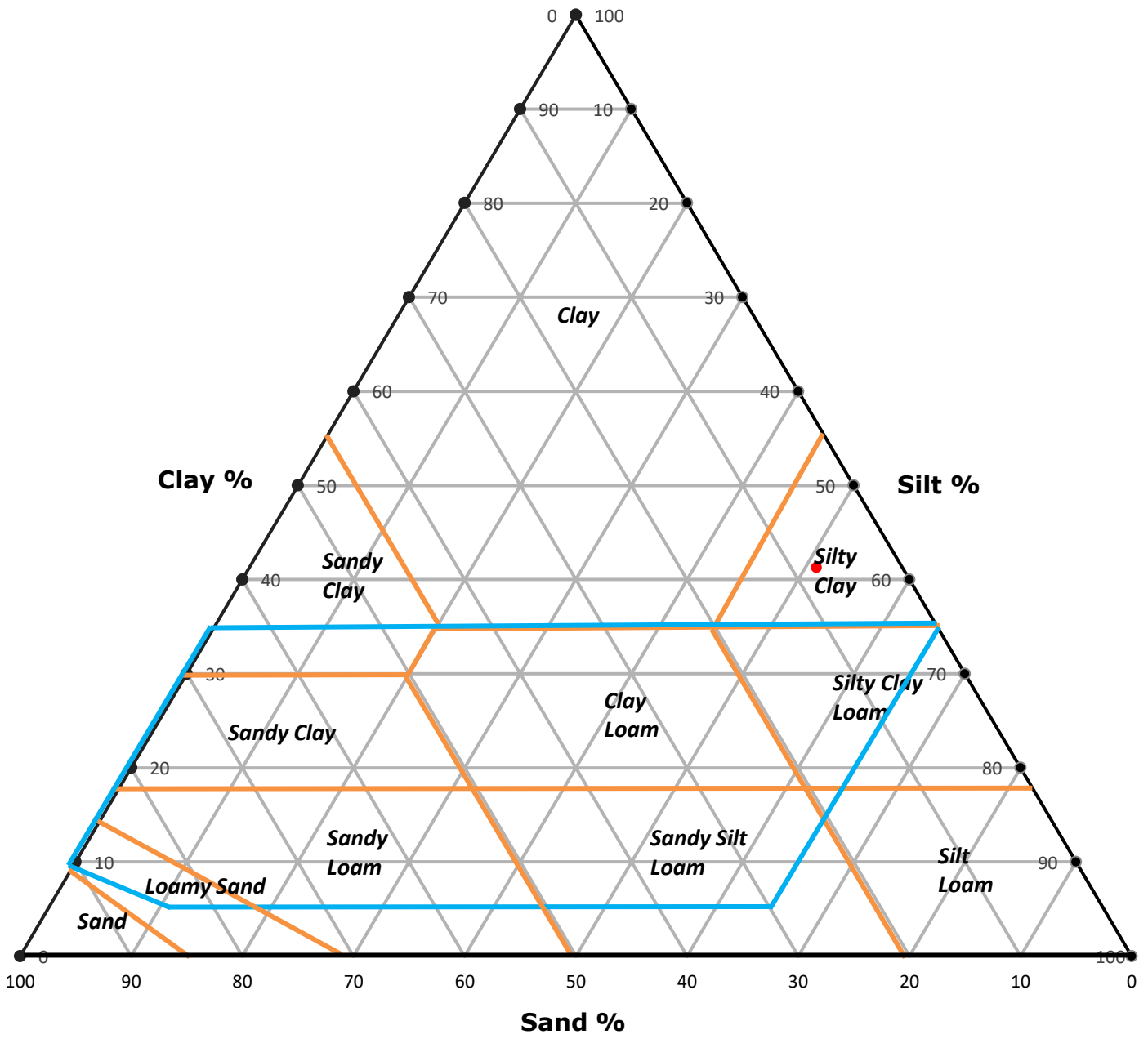
[1] Results are accredited to MCERTS if matrix confirmed as soil
[2] Results in leachate are accredited to ISO17025

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Lab ref	75700	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH 92	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	59						
Silt content	% w/w	34						
Sand content	% w/w	7						
Soil texture	**class**	**Clay**	N	N	N	N	N	N

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

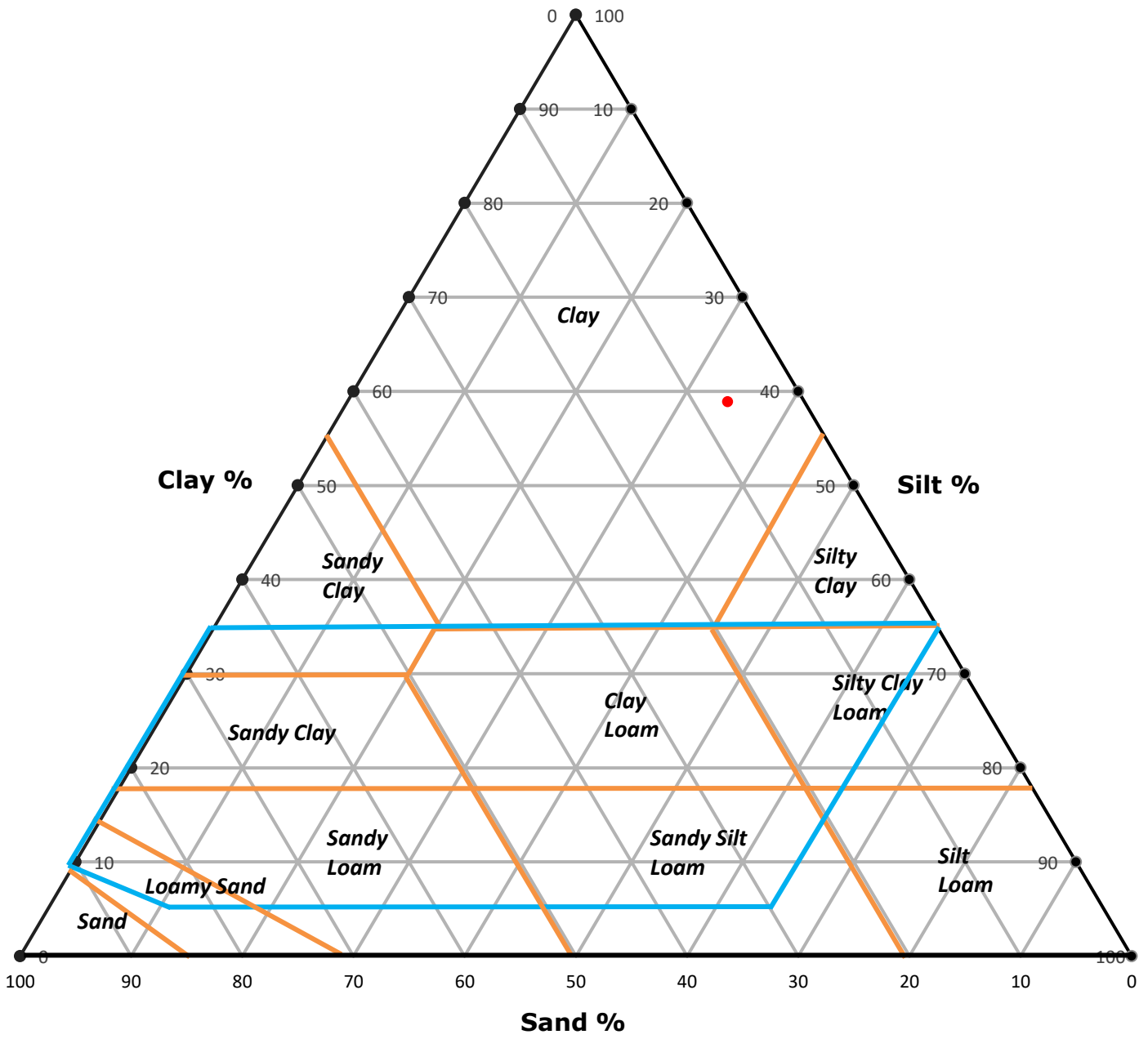
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Lab ref	75701	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH 165	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	38						
Silt content	% w/w	48						
Sand content	% w/w	14						
Soil texture	**class**	**Silty Clay**	N	N	N	N	N	N

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

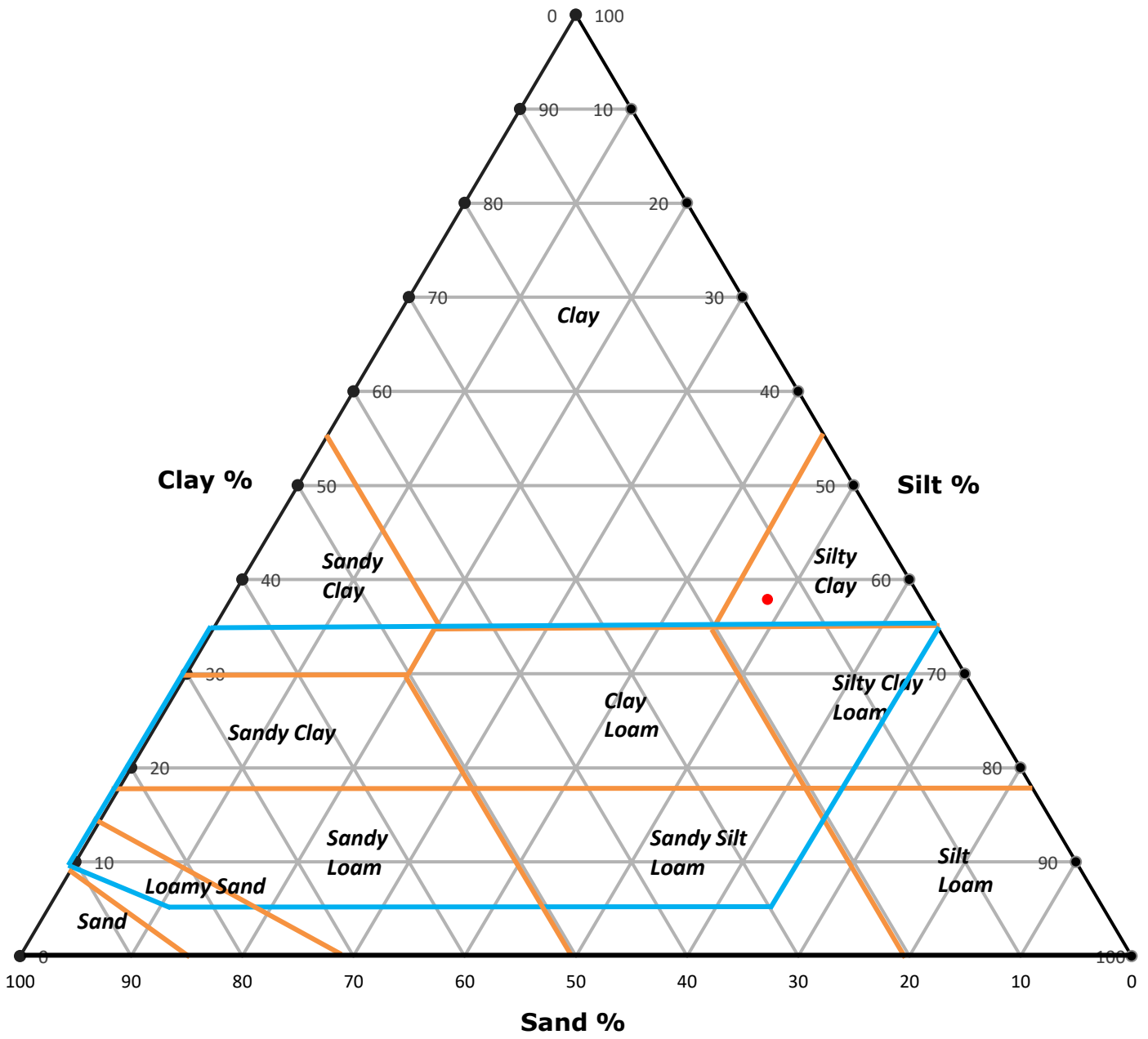
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[2] Results in leachate are accredited to ISO17025

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Lab ref	75702	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH 212	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	33						
Silt content	% w/w	61						
Sand content	% w/w	6						
Soil texture	**class**	**Silty Clay Loam**	Y	Y	Y	Y	Y	Y
Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-
Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-
Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-
VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

[1] Results are accredited to MCERTS if matrix confirmed as soil
[2] Results in leachate are accredited to ISO17025

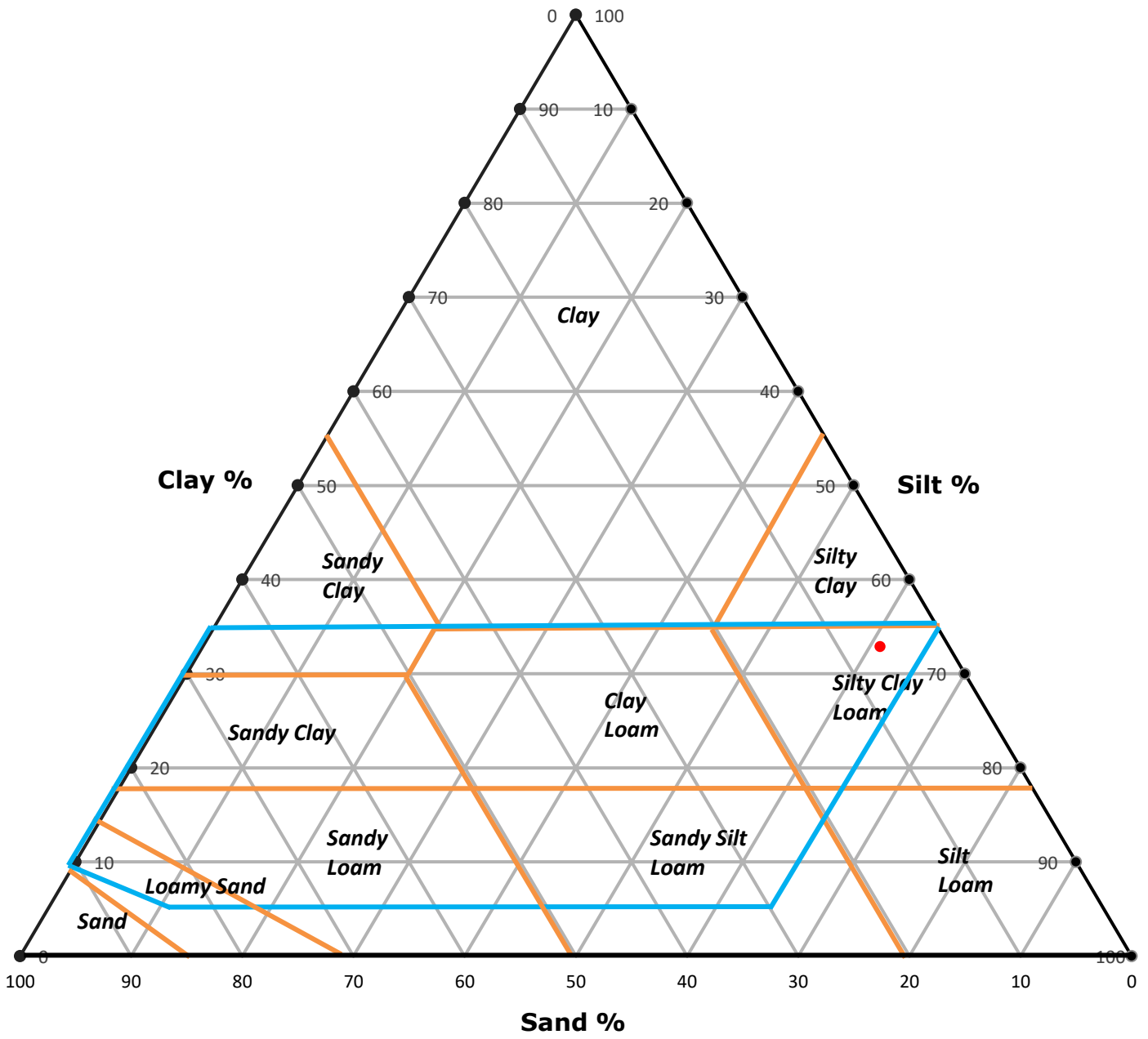
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Lab ref	75703	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH 321	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	35						
Silt content	% w/w	48						
Sand content	% w/w	17						
Soil texture	**class**	**Silty Clay**	N	N	N	N	N	N

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

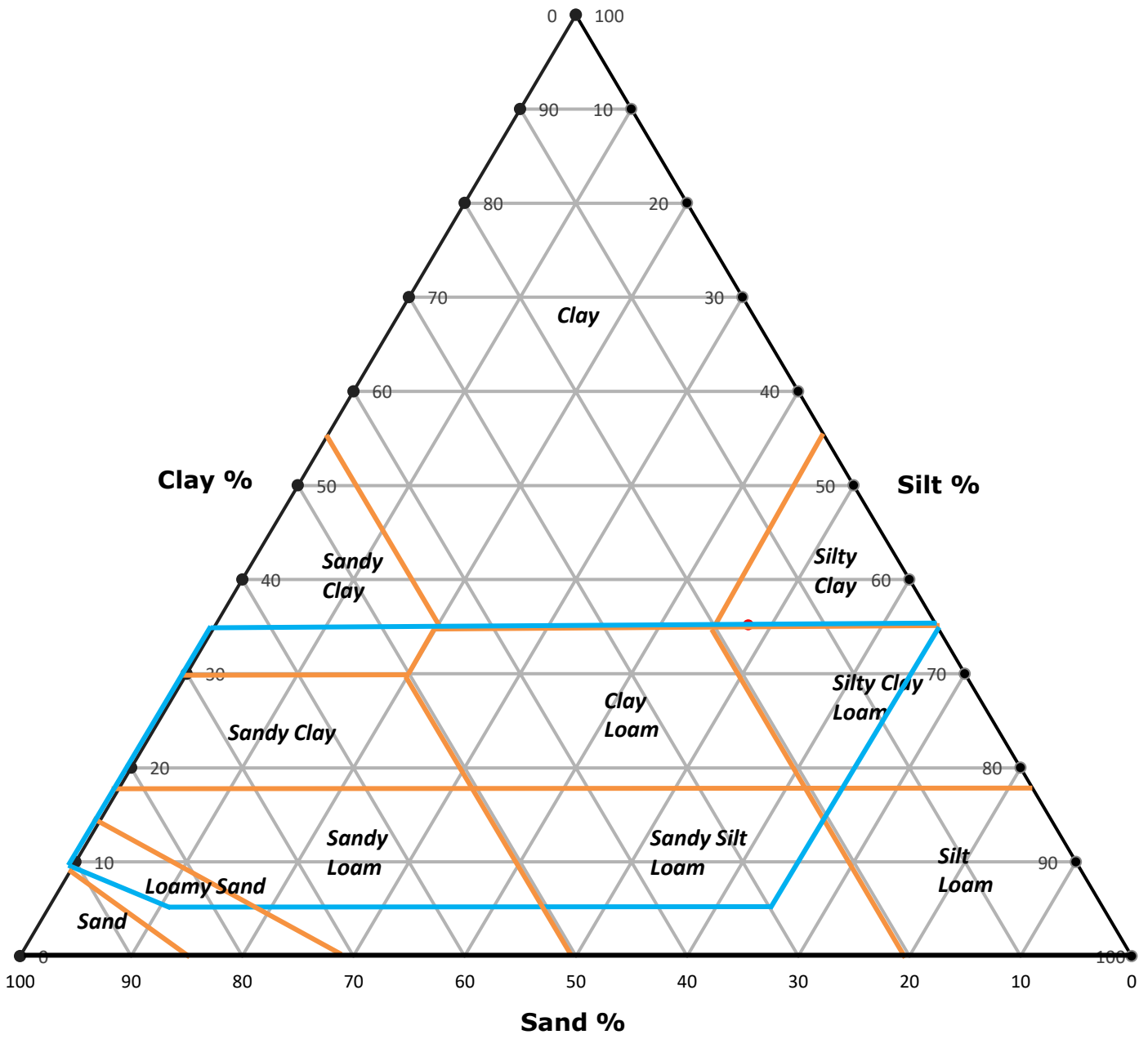
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75704	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH 327	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	43						
Silt content	% w/w	52						
Sand content	% w/w	5						
Soil texture	**class**	**Silty Clay**	N	N	N	N	N	N

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

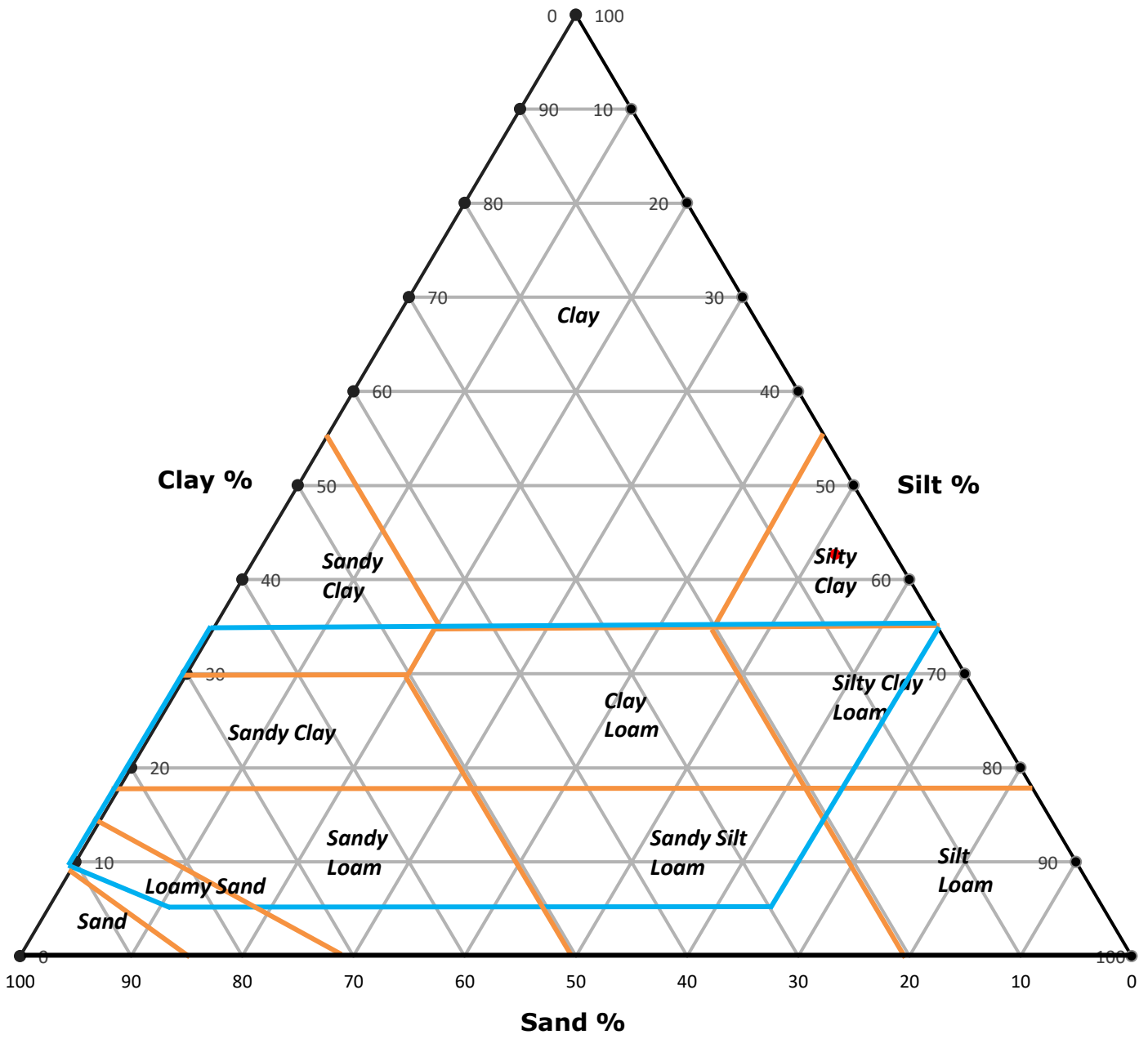
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75705	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH B1.7	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	34						
Silt content	% w/w	47						
Sand content	% w/w	19						
Soil texture	**class**	**Silty Clay Loam**	Y	Y	Y	Y	Y	Y

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

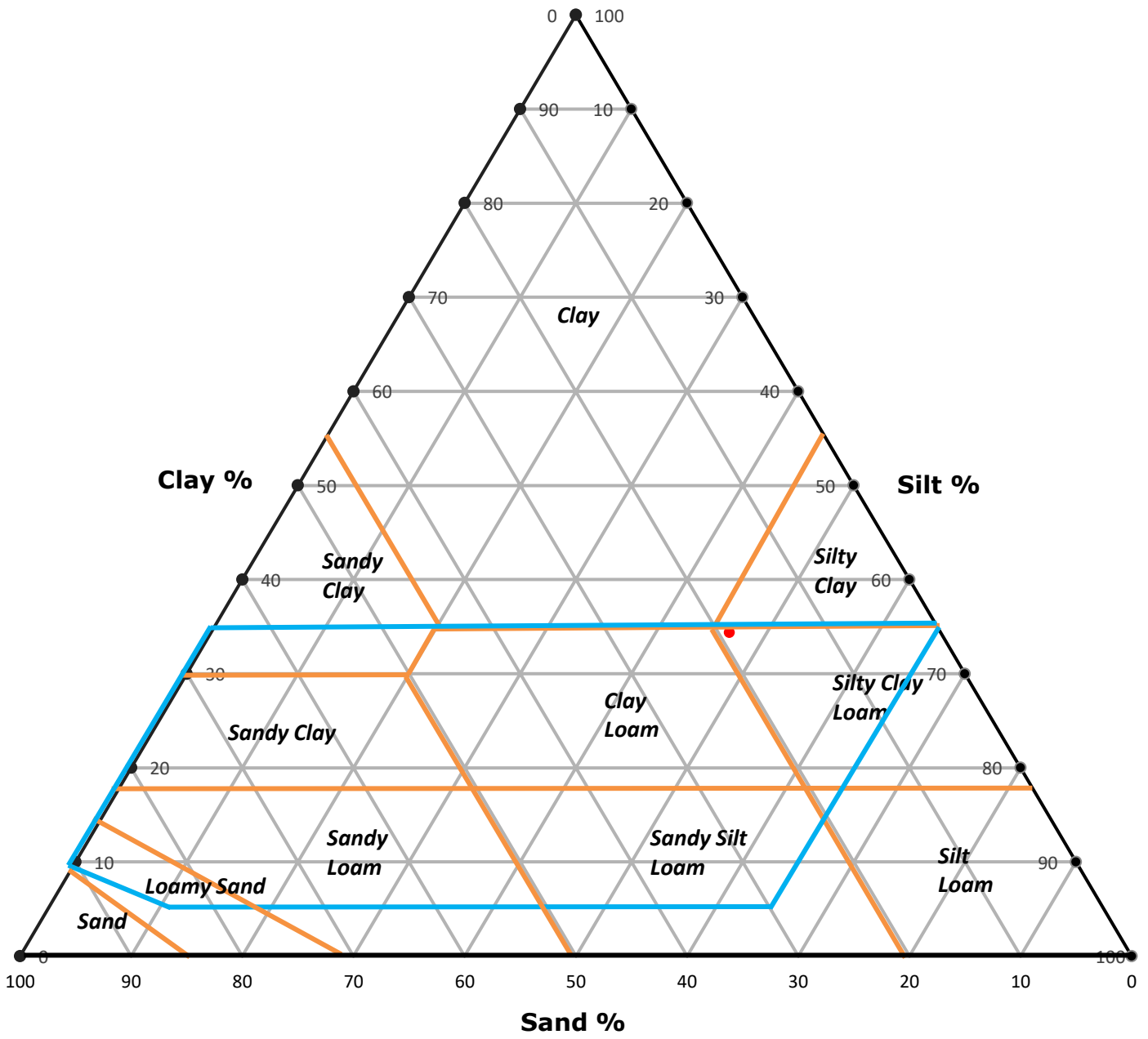
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75706	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH C.36	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	28						
Silt content	% w/w	42						
Sand content	% w/w	30						
Soil texture	**class**	**Clay Loam**	Y	Y	Y	Y	Y	Y

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

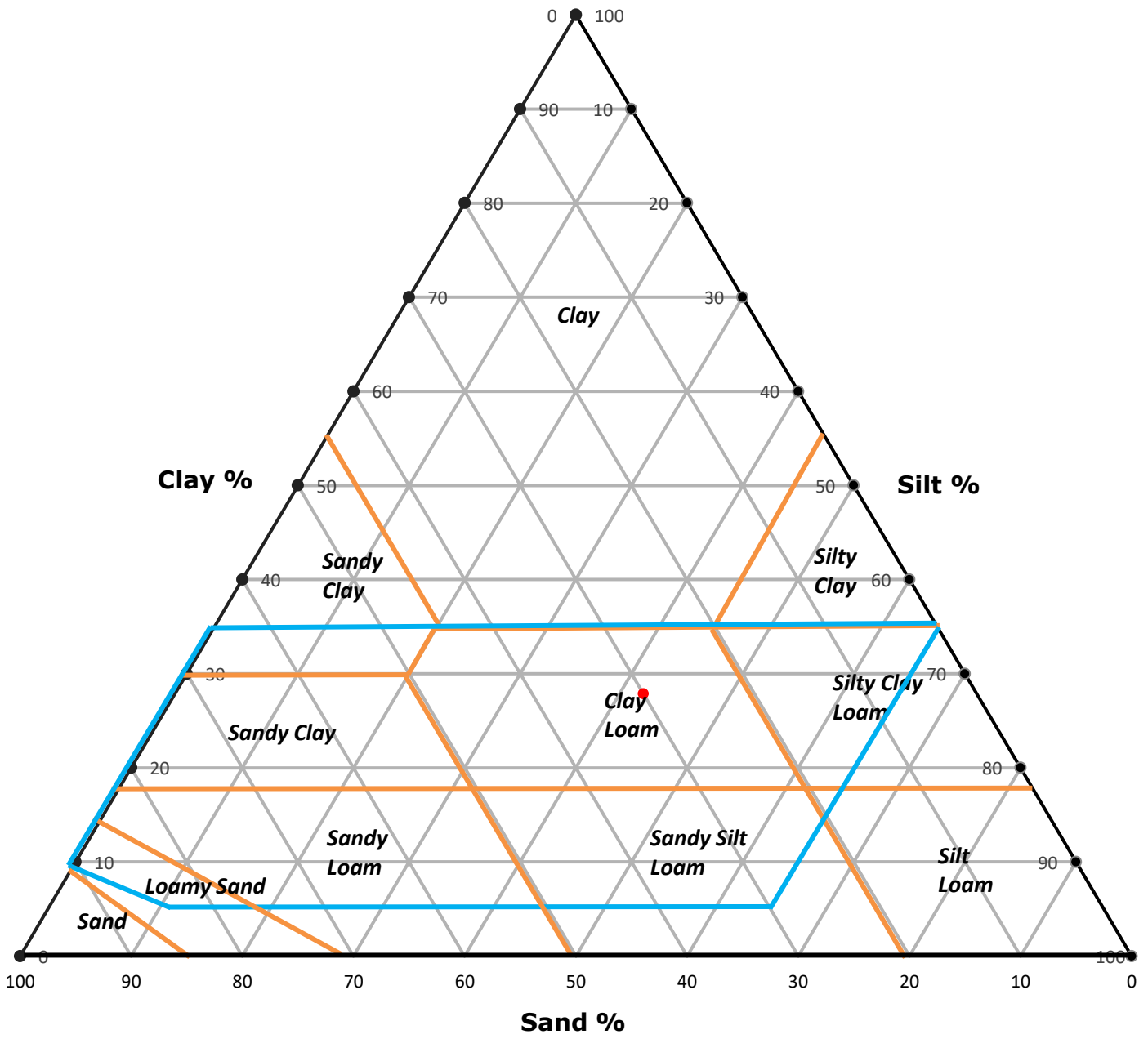
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75707	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH x.17	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	28						
Silt content	% w/w	42						
Sand content	% w/w	30						
Soil texture	**class**	**Clay Loam**	Y	Y	Y	Y	Y	Y

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

[1] Results are accredited to MCERTS if matrix confirmed as soil
[2] Results in leachate are accredited to ISO17025

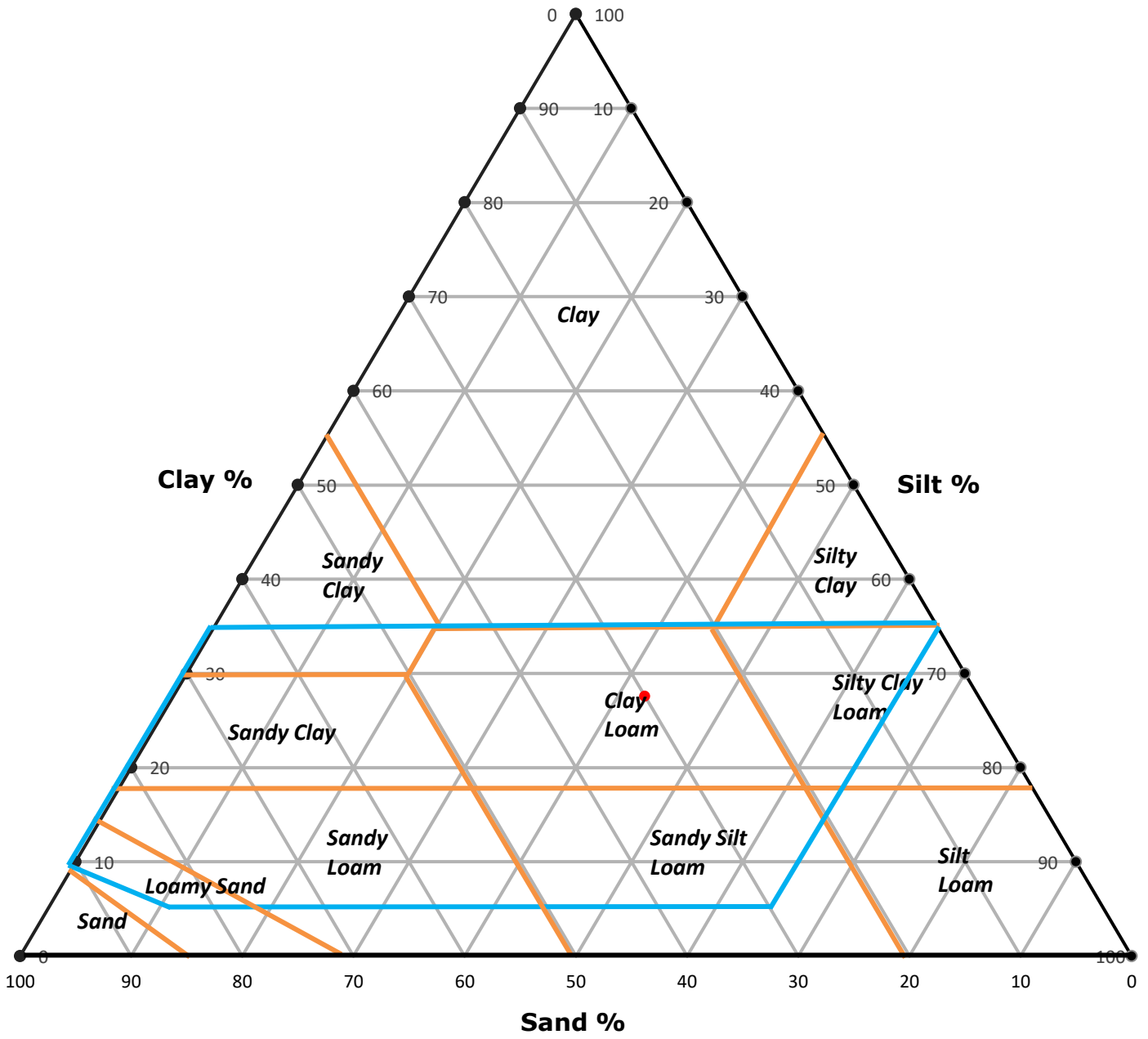
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(BS3882:2015)



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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75708	**Date received**	07/11/2025
Contract name	Meridian B&C ALC	**Analysis started**	14/11/2025
Sample ID	BH x.26	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

Test	**Units**	**Result**	**Compliant with Multipurpose? (Y/N)**	**Compliant with specific purpose? (Y/N)**				
				Acidic	**Calcareous**	**Low Fertility**	**Low F Acidic**	**Low F Calcareous**
Texture								
Clay content	% w/w	49						
Silt content	% w/w	46						
Sand content	% w/w	5						
Soil texture	**class**	**Silty Clay**	N	N	N	N	N	N

Stone content								
>2mm	% w/w	-	-	-	-	-	-	-
>20mm	% w/w	-	-	-	-	-	-	-
>50mm	% w/w	-	-	-	-	-	-	-

Mass loss on ignition								
Clay 5-20%	% w/w	-	-	-	-	-	-	-
Clay 20-35%	% w/w	-	-	-	-	-	-	-
pH[1]	pH units	-	-	-	-	-	-	-
Carbonate (calcareous only)	% w/w $CaCO_3$	-	-	-	-	-	-	-
Nitrogen (total)	% w/w N	-	-	-	-	-	-	-
Carbon:Nitrogen ratio	-	-	-	-	-	-	-	-
Phosphorus (extractable)	mg/l P	-	-	-	-	-	-	-
Potassium (extractable)	mg/l K	-	-	-	-	-	-	-
Magnesium (extractable)	mg/l Mg	-	-	-	-	-	-	-
Electrical conductivity[2]	µS/cm	-	-	-	-	-	-	-

Phytotoxic contaminants (by soil pH)								
Copper (Nitric acid extract)	mg/kg Cu	-	-	-	-	-	-	-
Nickel (Nitric acid extract)	mg/kg Ni	-	-	-	-	-	-	-
Zinc (Nitric acid extract)	mg/kg Zn	-	-	-	-	-	-	-

VISIBLE CONTAMINANTS								
(air-dried soil)	% w/w	-	-	-	-	-	-	-
...of which plastics	% w/w	-	-	-	-	-	-	-
Sharps	% w/w	-	-	-	-	-	-	-

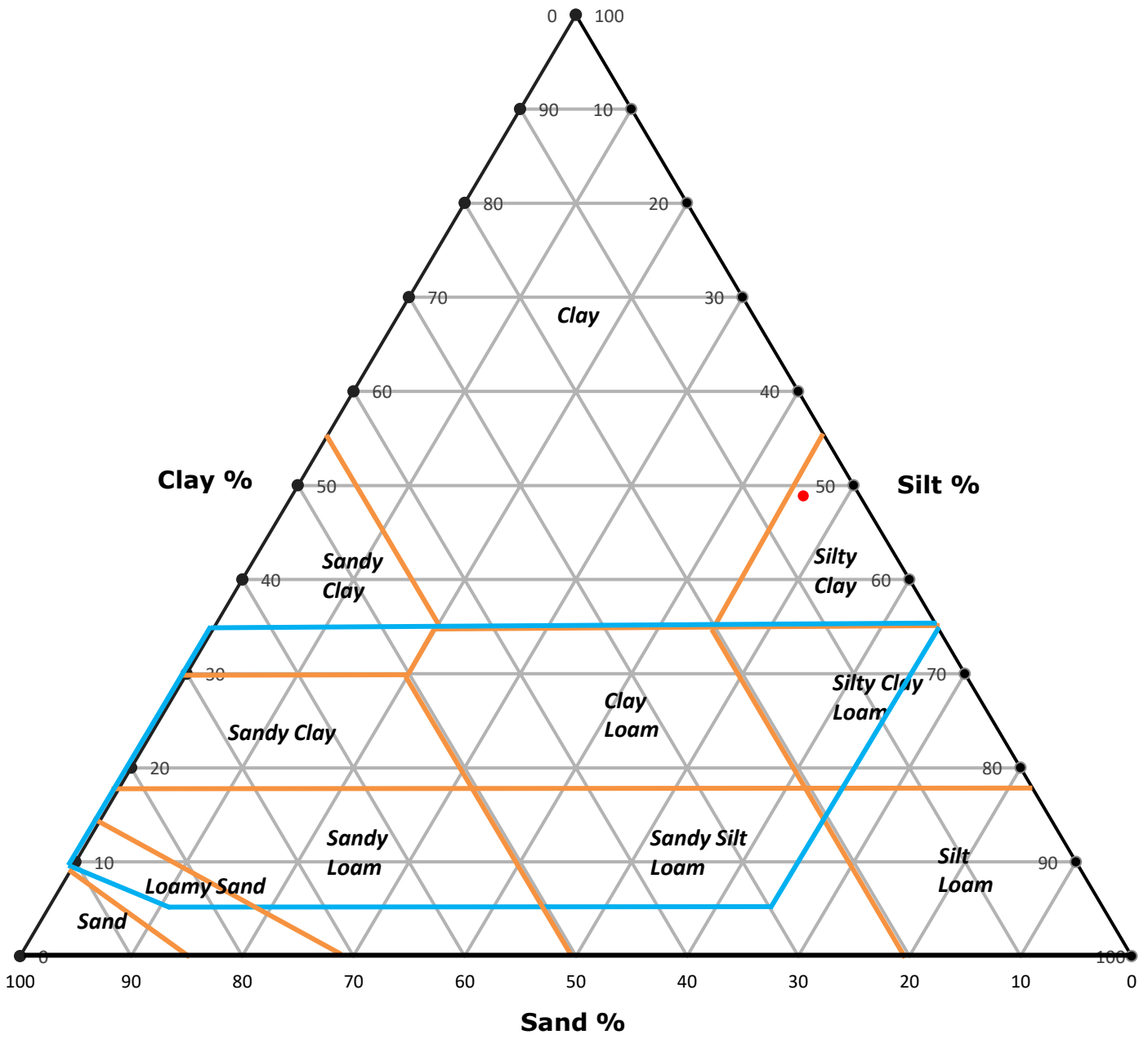
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REPORT INFORMATION

Report No.:25-10953, issue number 1

Key	
U	ISO17025 Accredited Result
M	ISO17025 and MCERTS Accredited Result
N	Do not currently hold accreditation
^	MCERTS accreditation not applicable for sample matrix
*	ISO17025 accreditation not applicable for sample matrix
S	Subcontracted
I/S	Insufficient Sample
U/S	Unsuitable sample
N/T	Not tested
<	Means "less than"
>	Means "greater than"

LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.

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Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

The results relate only to the sample received.

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Moisture Content Calculated on a Wet Weight basis (at 30°C)

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

Where sampling was undertaken by Chemtech Environmental Limited it is outside the UKAS accreditation scope.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

BTEX compounds are identified by retention time only and may include interference from co-eluting compounds.

For soils and solids, all results are reported on a dry basis (30°C). Samples dried at no more than 30°C in a drying cabinet.

For soils and solids, analytical results are inclusive of stones, where applicable.

'Client Reference', 'Sample ID', 'Sample Location', 'Sample Type', 'Depth', 'Sample Date' and 'Sample Time' information is provided by the customer

Sample Retention and Disposal

All soil samples will be retained for a period of 4 weeks from the point of receipt

All water samples will be retained for a period of 2 weeks from the point of Reporting

Charges may apply to extended sample storage

TPH Classification - HWOL Acronym System

HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

Unless specifically identified (noted as "(B)" in analyte name) all internal analysis performed at Durham site

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Statement of Conformity

Statement of Conformity

Where Chemtech reports a statement of conformity to a specification, the decision rules applied are derived from the Ilac document ILAC G8:09/2019.

Acceptance limits (AL), applied are derived from the tolerance limits (TL) by you the client or applicable standard (e.g. 2003.33.EC Council Decision, BS3882, BS8601)

Agreed and reported Decision Rule:

"PASS" if the result < TL, and the bias / precision values for the process meet the targets defined within the methodology and/or applied accreditation.

Reported Decisions:

Result < TL for determinands: PASS

Result > TL for determinands: FAIL

Definitions Used:

Acceptance limit (AL) Specified upper or lower bounds of permissible measured quantity values.

Tolerance limit (TL) Specified upper or lower bound of permissible values of a property.

Accreditation of WAC/BS3882/BS8601

Accreditation in Soil to MCERTS is only applicable for specific matrix types identified as soil (Sand/Loam/Clay) during the sample assessment

If the sample is classified as not soil, no accreditation is conveyed