Meridian Solar Farm

EN010169

Volume 6

Environmental Statement

6.3 ES Appendix 5-2: Agricultural Land Classification Report - Parcels A and D (Rev 1) (Clean)

APFP Regulation 5(2)(a)

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

September 2026

Table of Contents

1. Scope and Objectives **1**

2. Site Details **3**

3. Methodology **5**

3.1. Desk Study 5
3.2. Intrusive Soil Survey 5
3.3. Constraints 5
3.4. ALC Grade Assessment 9
3.5. Analysis 9

4. Desk Based Reconnaissance **11**

4.2. Climate Data 11
4.3. Topography 12
4.4. BGS Published Data 12
4.5. Published Soils Data 12
4.6. Previous Reports 13
4.7. Flood Risk Assessment 14

5. Intrusive Survey Findings **19**

5.2. Soil Type 1 – Wetness Limitation 22
5.3. Soil Type 2 - Wetness Limitation 23

6. Conclusions **24**

6.2. Overall Site ALC Grade and Conclusions 25

Figures

Figure 1: Site Investigation Boundaries (highlighted in red) 3
Figure 2: Site Investigation Areas (highlighted in red) 4
Figure 3: Proposed Auger Locations within Inaccessible Areas for Area 1 (Highlighted in Red (inaccessible areas) and Grey (not surveyed) 6
Figure 4: Proposed Auger Locations within Inaccessible Areas for the Northern Portion of Area 2 (Highlighted in Red (inaccessible areas) and Grey (not surveyed) 7
Figure 5: Proposed Auger Locations within Inaccessible Areas for the Southern Portion of Area 2 (Highlighted in Red (inaccessible areas) and Grey (not surveyed)) 8
Figure 6: Soils Mapping for the Site and Surrounding Area 13
Figure 7: Flood Risk Present from Rivers and the Sea for Area 1 (site boundary defined in red) 15
Figure 8: Flood Risk Present from Rivers and the Sea for Area 2 (site boundary defined in red) 16
Figure 9: Long Term Local Flood Risk from surface water flooding for Area 1 (site boundary defined in red) 17

Figure 10: Long Term Local Flood Risk from surface water flooding for Area 2 (site boundary defined in red)..... 17

Tables

Table 1: Summary of Agroclimatic Data for the Site 11
Table 2: Summary of Soils Identified on Site 19
Table 3: Wetness lass Assessment for Soil Types Encountered on Site 21
Table 4: ALC Classification Point by Point analysis 24
Table 5: ALC Classification field averages 25

Appendices

I - Site Plans
II - Site Survey Logs
III - Site Survey Photographs
IV - Summary of Findings
V - Terminology
VI - Laboratory Results

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 10 June 2025 and REL's Terms and Conditions of Engagement, (together "the Agreement") as accepted by the Client on 30 June 2025.	
Site Name	Meridian Solar (Parcels A & D).	
Site Address	Cloot Drove, Peterborough PE6 0JL ("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 August 2025.

2. Site Details

National Grid Ref.	For the purpose of this report, the surveyed area has been divided into two separate areas (Area 1 and Area 2), with the area locations defined in Figure 2 below. Approximate centre of Area 1 (Land Parcel A): 524616, 313593. Approximate centre of Area 2 (Land Parcel D): 534762, 314952.
Ground Level Topography	Range 0m-5m AOD, average for the investigation site: c.1m AOD.
Site Area	Total 573.14 hectares (ha), comprising Area 1 (198.80ha) and Area 2 (374.34ha).
Location	The investigation areas are located approximately 9.7km southeast of the town of Spalding, Area 1 is located off Wash Bank adjacent to the north, with Cloot Drove intersecting the area centrally. Area 2 is located off Holbeach Drove Gate intersecting the area centrally. The A16 is located approximately 1.3km east of Area 1, providing a link to the city centre of Peterborough 21.3km to the southwest and Boston town centre 32.1km to the northeast.

Figure 1: Site Investigation Boundaries (highlighted in red)



Figure 2: Site Investigation Areas (highlighted in red)



Current Site Description and Usage	The subject site comprises agricultural fields which are currently used for arable crop (based on observations made during the site visit), the crop was viewed as wheat, cereals and maize with areas comprising maintained grassland.
Surrounding Land Uses	Surrounding land uses of each area comprise agricultural fields around the entire sites.
Site History	From the earliest mapping dated 1830s, the site is shown as agricultural land.
Current Grading	The majority of Areas 1 and 2 are currently mapped as Grade 2 with an area in the southwestern corner of Area 2 mapped as Grade 1 on the provisional 1: 250,000 scale ALC map (MAFF, 1983); see **Appendix V** for key to the gradings. In addition, a Post-1988 ALC survey (Ref: 05791) has identified ALC Grade 1, 2 and 3a on land adjacent to the east of Area 1.

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.

3.3. Constraints

3.3.1. During the intrusive soil survey, approximately 27.95ha of land was inaccessible due to dense maize crops and vegetation, and 75.47ha of land was inaccessible due to the presence of Unexploded Ordinance (UXO) risk. (see Section 2). The) the proposed sampling density was not fully achieved due to inaccessible areas in Area 1 and 2.

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

Figure 3: Proposed Auger Locations within Inaccessible Areas for Area 1 (Highlighted in Red (inaccessible areas) and Grey (not surveyed)

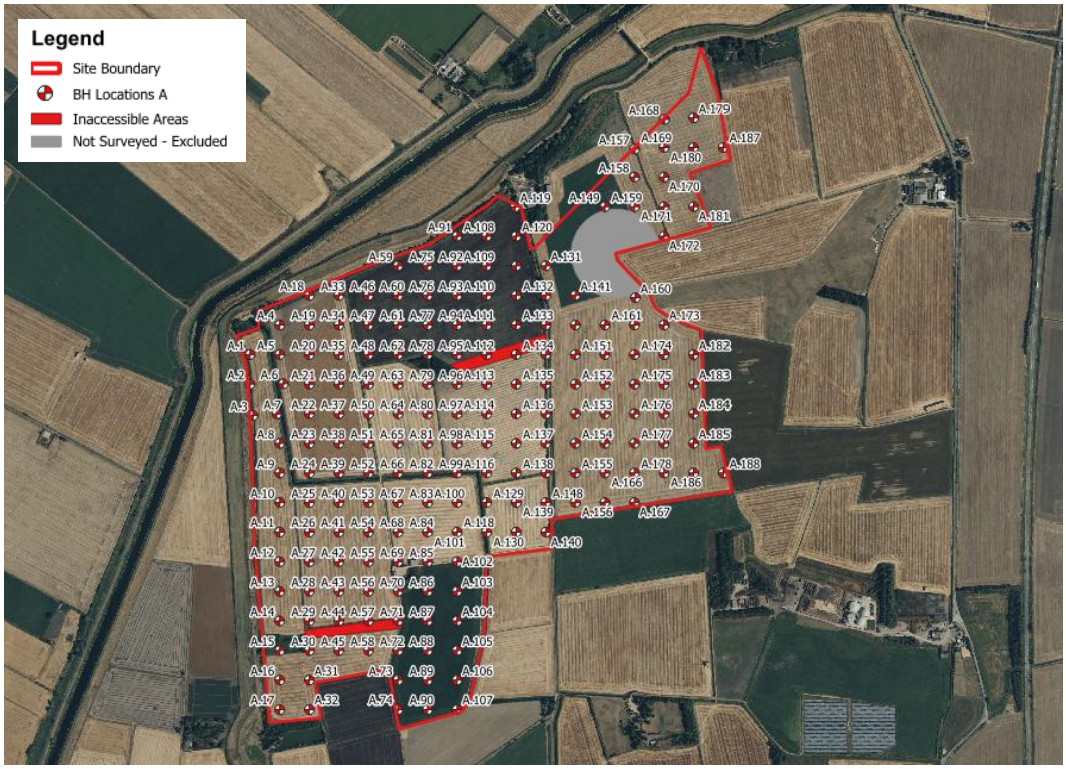


Figure 4: Proposed Auger Locations within Inaccessible Areas for the Northern Portion of Area 2 (Highlighted in Red (inaccessible areas) and Grey (not surveyed)

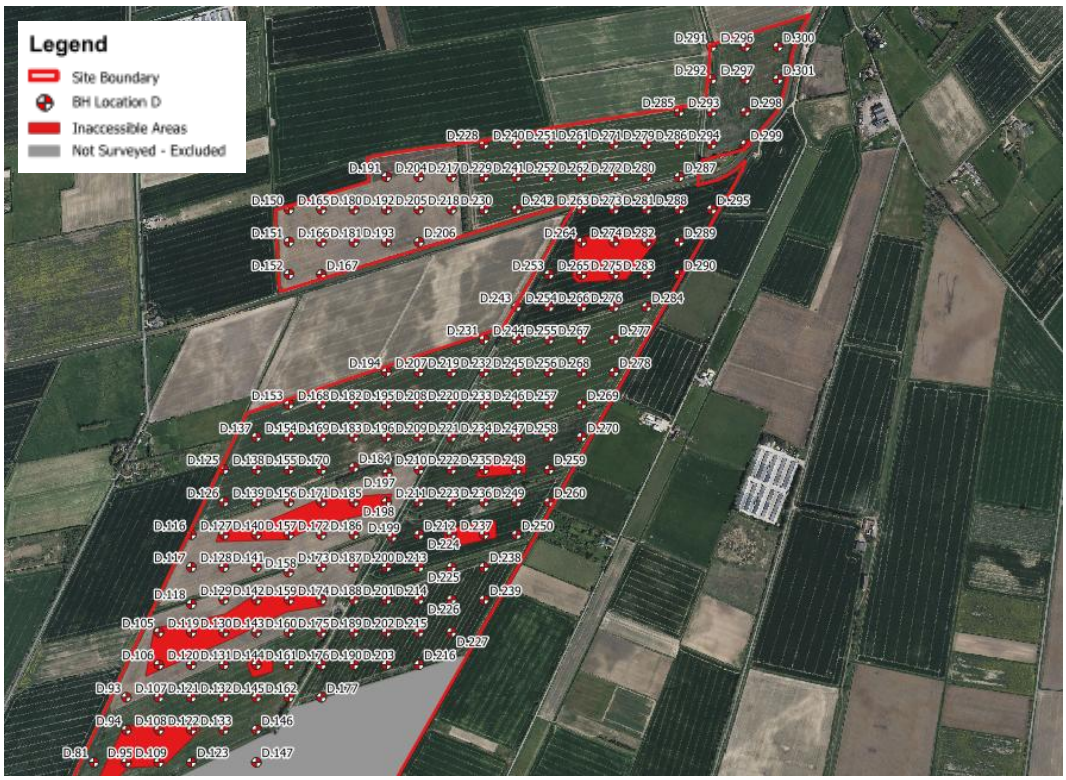
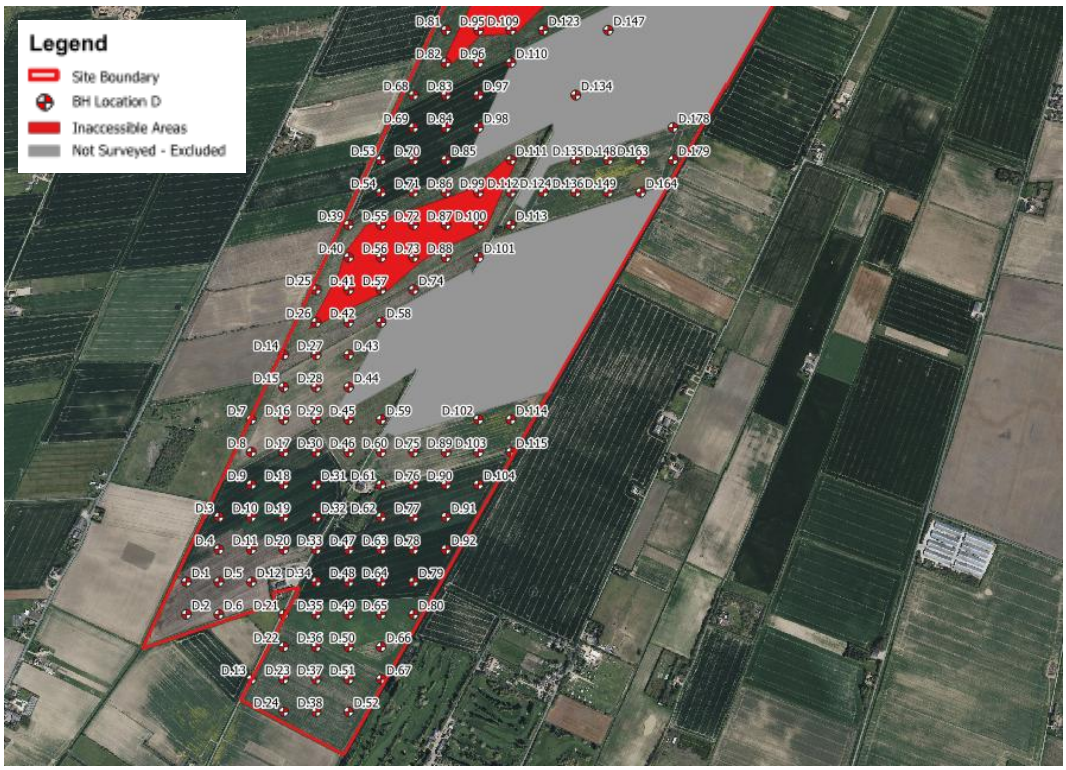


Figure 5: Proposed Auger Locations within Inaccessible Areas for the Southern Portion of Area 2 (Highlighted in Red (inaccessible areas) and Grey (not surveyed))



3.3.2. Figure 3, Figure 4 and Figure 5, show extracts of the inaccessible areas in Area 1 and 2.

3.3.3. 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.

3.3.4. 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.50-120 cm. 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 (**Appendix I**). 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. Where extrapolation of data based on adjacent sample points has not been possible due to degree of surrounding grade variance, these areas have been excluded from this assessment (see **Appendix I**).

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: 524616, 313593)		
Average Annual Rainfall (mm)	AAR	556.75
Accumulated Temperature (˚C)	ATO	1449.03
Field Capacity Duration (Days)	FCD	96.75
Moisture Deficit Wheat (mm)	MDWHT	119.05
Moisture Deficit Potatoes (mm)	MDPOT	114.57
(Area 2 Site Centre Grid Reference: 534762, 314952)		
Average Annual Rainfall (mm)	AAR	541.75
Accumulated Temperature (˚C)	ATO	1446.46
Field Capacity Duration (Days)	FCD	92.50
Moisture Deficit Wheat (mm)	MDWHT	120.03
Moisture Deficit Potatoes (mm)	MDPOT	116.03

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˚ and 5˚, therefore topography is identified to not 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 in the northern portion of Area 1 is indicated as the West Walton Formation (Mudstone and Siltstone), with the bedrock geology in the southern portion indicated as the Oxford Clay Formation (Mudstone).

4.4.4. Area 2 is mainly underlain by bedrock geology named the West Walton Formation and Ampthill Clay Formation (Undifferentiated Mudstone), with areas in the north indicated as the West Walton Formation (Mudstone and Siltstone) and the potential for the Oxford Clay Formation (Mudstone) to encroach in the southwest.

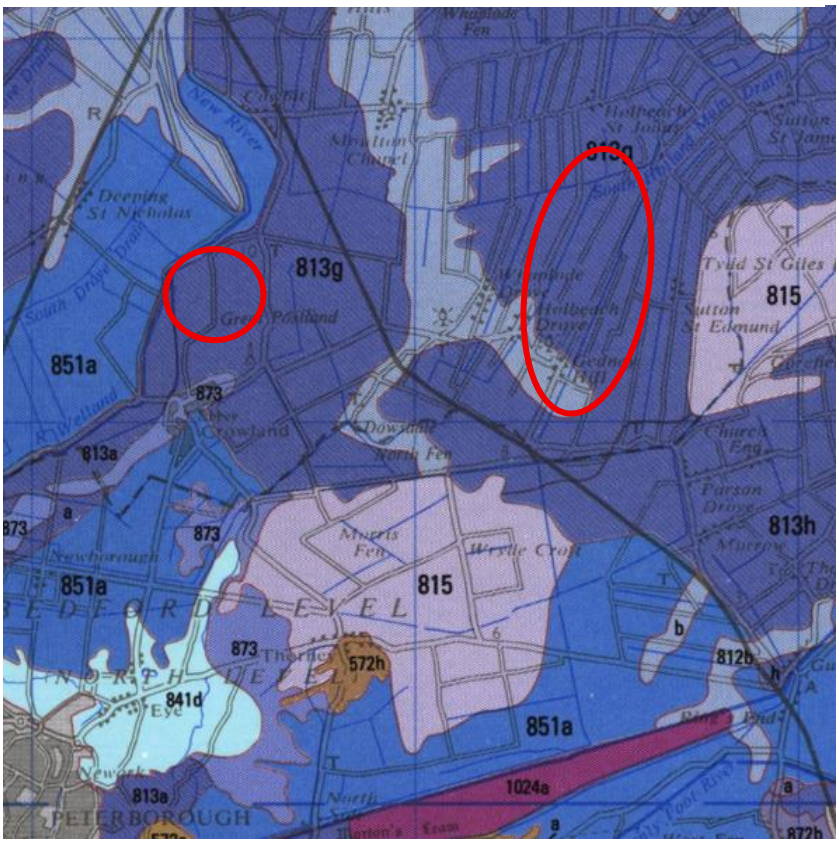
4.5. Published Soils Data

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 6.

4.5.2. The soils mapping suggests the soils on site comprise the Wallasea 2 Association, with the potential for soils of the Wisbech Association to encroach on the south of Area 2. 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.
- Wisbech Association (812b) - Deep stoneless calcareous coarse silty soils. Groundwater usually controlled by ditches or pumps. Flat land with low ridges. Risk of wind erosion locally.

Figure 6: Soils Mapping for the Site and Surrounding Area



4.6. Previous Reports

4.6.1. A post-1988 ALC survey is available for the site dated June 2024[2] (ref: 2091/1),. 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. Some areas of fine silty soils were identified in discrete areas of the site with more permeable drainage characteristics. This

[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]

reconnaissance survey identified a mix of mainly ALC grades 3b and 3a some discrete points were additionally identified with an ALC grade of 1 and 2.

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

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 7: Flood Risk Present from Rivers and the Sea for Area 1 (site boundary defined in red)

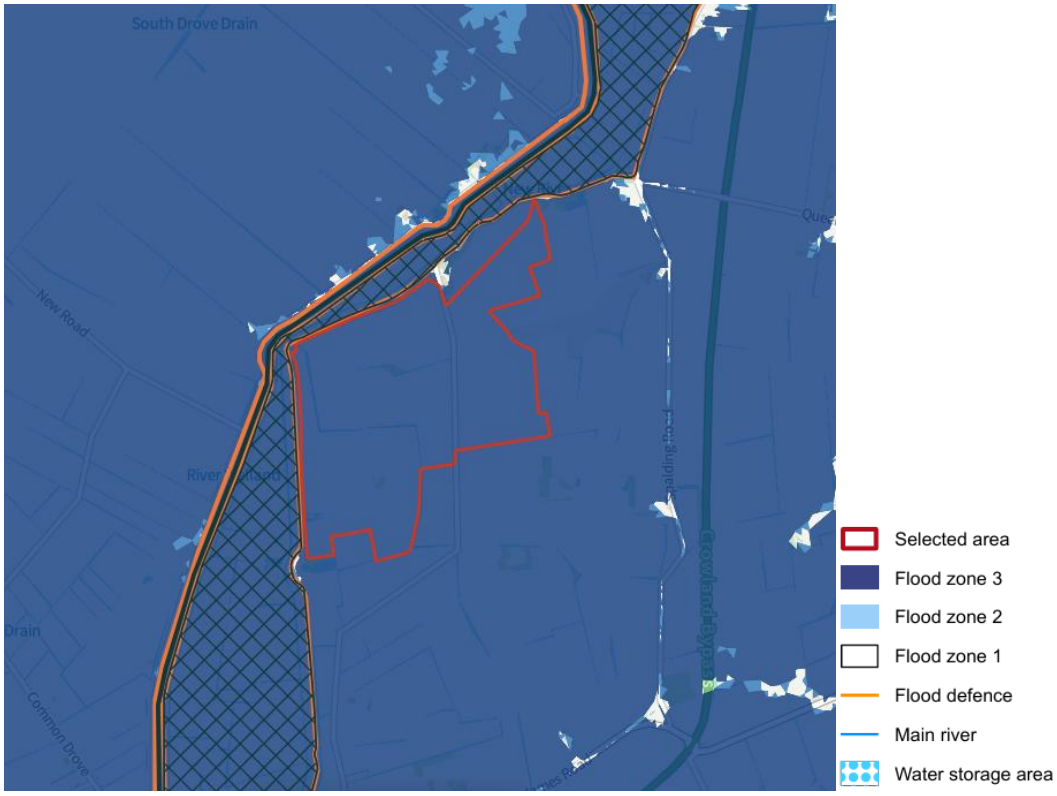
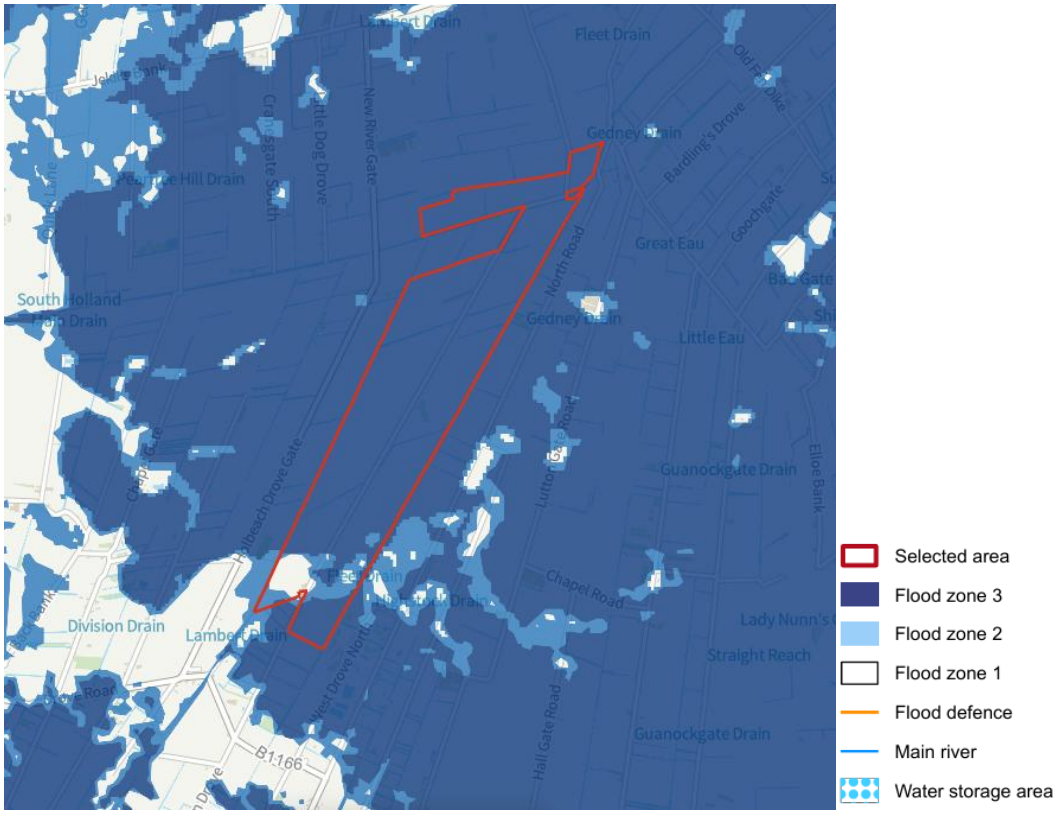


Figure 8: Flood Risk Present from Rivers and the Sea for Area 2 (site boundary defined in red)



4.7.4. The interactive EA Flood Map for Planning on the UK Government website identifies the site to be within a Flood Zone 3 (High Probability) area (Figure 7 and Figure 8).

Figure 9: Long Term Local Flood Risk from surface water flooding for Area 1 (site boundary defined in red)

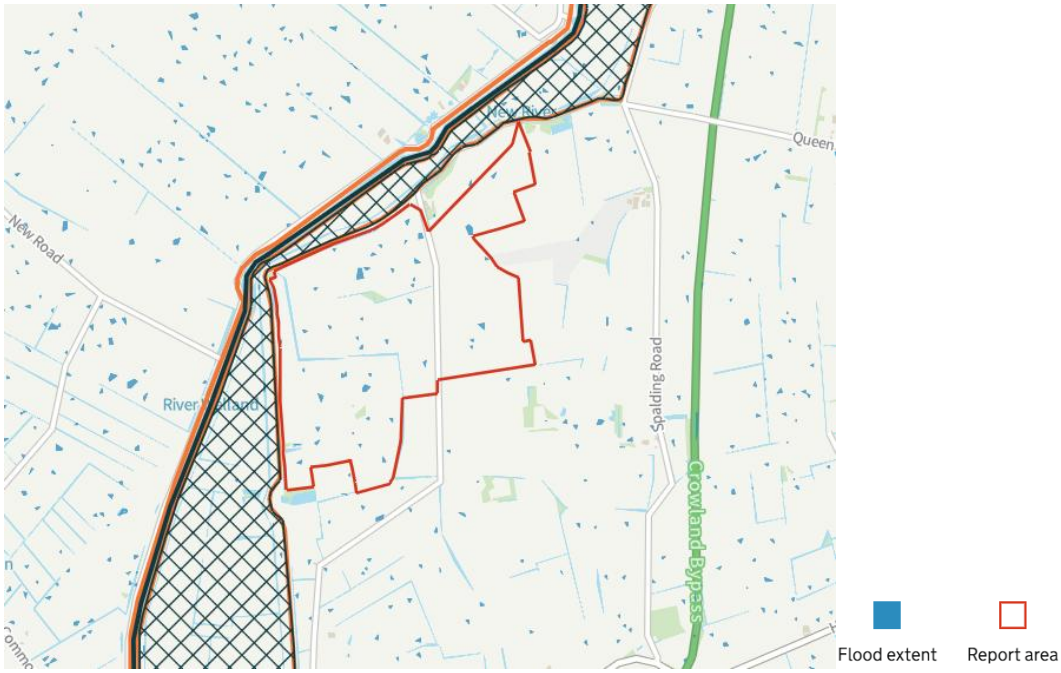
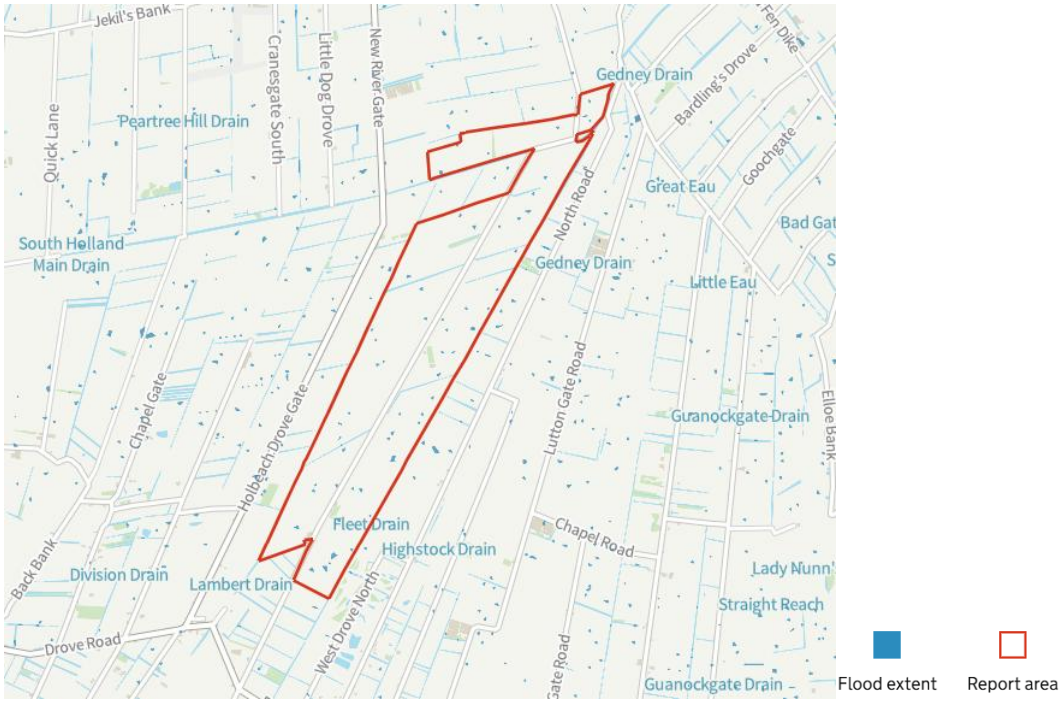


Figure 10: Long Term Local Flood Risk from surface water flooding for Area 2 (site boundary defined in red)



4.7.5. Figure 9 and Figure 10 show that each area has a number of discrete areas indicated as having a Low Risk from surface water flooding.

4.7.6. The impact of flood risk is 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).

4.7.7. The mapping (as shown in Figures 7 and 8) identifies a high risk of flooding from rivers and 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	0-35	Heavy Silty Clay Loam (HZCL) to Silty Clay	Very Dark Greyish Brown (10YR 3/2)	0	No	Coarse Subangular Blocky
	35-80	Silty Clay (ZC)	Dark Brown (7.5YR 3/2)	0	Few Fine Ochreous (2.5YR 4/6) Mottles	Coarse Prismatic
	80-120	Sandy Clay (SC)	Brown (10YR 4/3)	0	Many Ochreous (10YR 4/6) and Grey (2.5Y 5/1) Mottles	Coarse Prismatic
Soil Type 2	0-40	Medium to Heavy Silty Clay Loam (M-HZCL)	Dark Brown (10YR 3/3)	0	No	Medium Subangular Blocky
	40-90	Very Fine Sandy Silt Loam (vfSZL)	Dark Brown (10YR 3/3)	0	Few Fine Ochreous (7.5YR 5/8) and Grey (7.5YR 6/1) Mottles	Fine Subangular Blocky
	90-120	Silty Clay (ZC)	Dark Yellowish Brown (10YR 4/4)	0	Many Ochreous (7.5YR 5/8) and Grey (7.5YR 6/1) 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 confirmed by laboratory testing. Topsoil is mainly non-calcareous with some areas of variably calcareous observations (slightly audible effervescence test). Subsoils are largely Clayey and with ochrous mottles in poor structural conditions. The soils encountered on site are consistent with the slowly permeable soils identified during the LRA reconnaissance survey which identify clayey slowly permeable

soils which were identified as Wetness Class III. The high clay content identified during field description and confirmed by laboratory analysis is associated with coarse structural characteristics, while observed biopore abundance is less than 0.5 %. The combination of texture, structure and low biopore abundance indicate restricted movement of water through the subsoil, additionally characterised by the high volume of ochreous mottles found across the site.

5.1.3. Some discrete areas of the site were identified with lighter textured silty clay loams, largely non calcareous with some variably and scattered calcareous materials. Below these topsoils are some additional permeable silty loam subsoils with few fine ochreous mottles. Silty Clays are found deeper with evidence of waterlogging much lower in the profile.

5.1.4. The general profiles for the soil types identified on the Site has been used to assess the Wetness Class (WC) for the Soil Type (see **Appendix V** for the MAFF decision flow chart). The general profile is reflective of the findings in the soil pit associated with the Soil Type identified on site. The assessment process and results of the in-field wetness assessment is provided within Table 3 below with a plan of the distribution of the soil types across the site shown in **Appendix I.**

Table 3: Wetness lass 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	<225	At a depth of 35cm, the SPL was identified to be present due to the following characteristics: • Silty Clay (ZC) • coarse prismatic structure • moderately 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
Soil Type 2	No	<225	At a depth of 90cm, the SPL was identified to be present due to the following characteristics: • Silty Clay (ZC) • coarse prismatic structure • moderately 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.	N/A	I

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 majority of Area 1 and 2 has been identified with the combination of the topsoil texture (Heavy Silty Clay Loam to Silty Clay), Wetness Class (III) and the number of Field Capacity Days (<126), results in ALC Grade 3b for Type 1 soils. This conclusion is further supported by the findings of the LRA survey[3] which identified "*relatively uniform imperfectly-draining clay soils occur (Soil Wetness Class III). The land is significantly limited by wetness/ workability constraints. This unit occurs dominantly across Land Parcel D*".

5.2.2. The evidence of both surveys suggests that large portions of the land parcels A & D are seasonally waterlogged for long periods. It is understood that Wallasea soils when drained may respond well in which case they are wetness class II, however in instances of insufficient drainage or long term waterlogging, these soils can be wetness class III and IV. This report identifies a mix of wetness classes II and III. This is further supported by LRA's findings which state *"However, their permeability is subject to deterioration under prolonged arable and horticultural use, which is difficult to correct and so they become slowly permeable and imperfectly-draining (Soil Wetness Class III). This deterioration in drainage causes a decline in land quality, from Subgrade 3a to Subgrade 3b."*

5.2.3. A total of 55.47ha in Area 1 and 23.31ha in Area 2 has been identified with the combination of the topsoil texture (Heavy Silty Clay Loam), Wetness Class (III) and the number of Field Capacity Days (<126), together with the topsoil being slightly calcareous results in ALC Grade 3a for Type 1 soils.

5.2.4. A total of 9.92ha in Area 2 has been identified with the combination of the topsoil texture (Heavy Silty Clay Loam), Wetness Class (I) and the number of Field Capacity Days (<126), which results in ALC Grade 2 for Type 1 soils.

[3] 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]

5.3. Soil Type 2 - Wetness Limitation

5.3.1. The combination of the topsoil texture (Medium Silty Clay Loam), Wetness Class (I) and the number of Field Capacity Days (<126) results in ALC Grade 1 for Type 2 soils.

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	23.36	3.6%
Grade 2	9.92	1.53%
Subgrade 3a	78.69	12.15%
Subgrade 3b	451.31	69.69%
Grade 4	0.0	0.0%
Grade 5	0.0	0.0%
Non-Agricultural	9.86	1.52%
Not Surveyed	74.49	11.50%
Total Site Area	647.63	**100%**
Not Surveyed	74.49	11.50%
Total BMV	111.97	17.29%
Total Non-BMV	461.17	71.21%
Total Site Area	**647.63**	**100%**

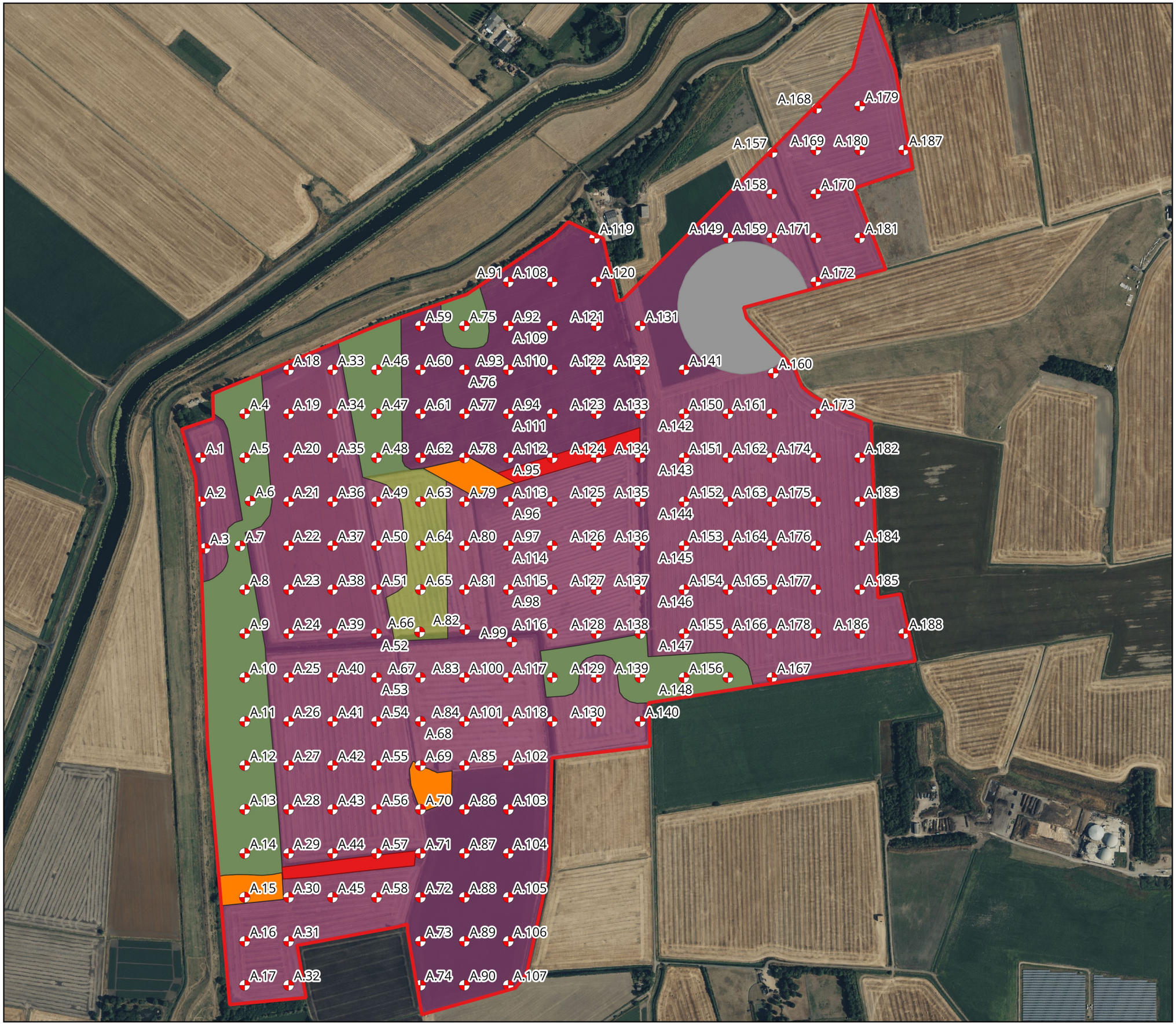
Table 5: ALC Classification field averages

ALC Grade	Area (Ha)	Percentage
Grade 1	21.35	3.3%
Grade 2	0.0	0.0%
Subgrade 3a	77.34	11.94%
Subgrade 3b	464.59	71.74%
Grade 4	0.0	0.0%
Grade 5	0.0	0.0%
Non-Agricultural	9.86	1.52%
Not Surveyed	74.49	11.50%
Total Site Area	647.63	100%
Not Surveyed	74.49	11.50%
Total BMV	98.69	15.24%
Total Non-BMV	474.45	73.26%
Total Site Area	647.63	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 (464.59ha), with approximately 21.35ha identified as ALC Grade 1, and 77.34ha identified as ALC Grade 3a due to wetness limitation. As such, Best and Most Versatile (BMV) land has been identified on 15.24% of the overall site area.

Appendix I Site Plans



Legend

- Site Boundary
- BH Locations A
- Inaccessible Areas
- Not Surveyed - Excluded
- Soil Type 1
- Soil Type 2
- Non-Agricultural

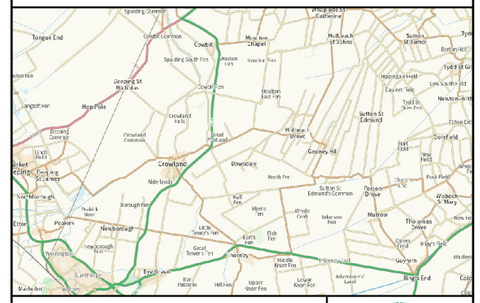
0 80 160 240 320 400 m

N

Figure	Auger Sample locations and Soil Types
Job	Meridian Solar Farm
Client	AECOM

Figure No.	Revision	Date
1	1	30 September 2025
Drawn by	**Checked by**	**Scale**
SS	EH	1:8,100

Job No. 250635



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Legend

- Site Boundary
- BH Location D
- Inaccessible Areas
- Not Surveyed - Excluded
- Soil Type 1
- Soil Type 2
- Non-Agricultural

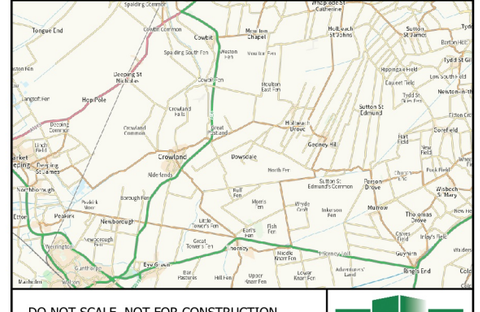
0 100 200 300 400 500 m

N

Figure	Auger Sample locations and Soil Types
Job	Meridian Solar Farm
Client	AECOM

Figure No.	Revision	Date
2	1	30 September 2025
Drawn by	**Checked by**	**Scale**
SS	EH	1:16,000

Job No. 250635

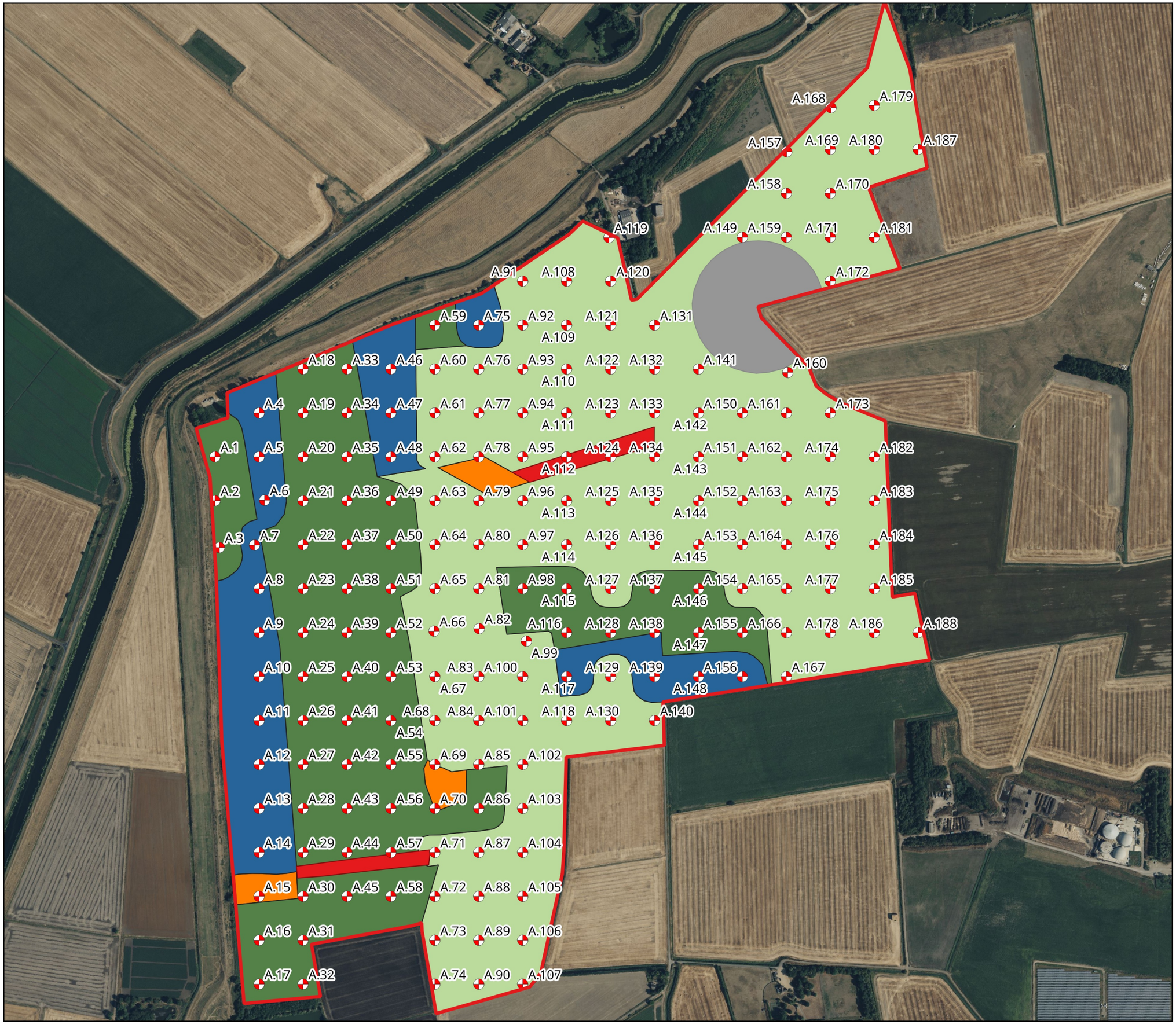


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Legend

- Site Boundary
- BH Locations A
- Inaccessible Areas
- Not Surveyed - Excluded
- Non-Agricultural
- ALC Grade 1
- ALC Grade 3a
- ALC Grade 3b

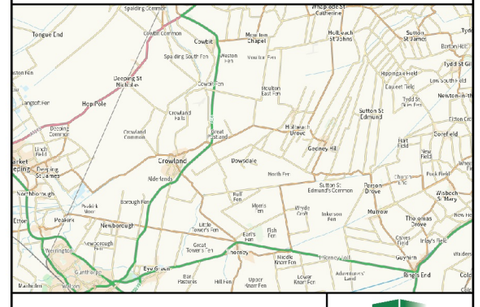
0 80 160 240 320 400 m

N

Figure	Auger Sample locations and ALC Grades
Job	Meridian Solar Farm
Client	AECOM

Figure No.	Revision	Date
3	1	30 September 2025
Drawn by	**Checked by**	**Scale**
SS	EH	1:8,100

Job No. 250635



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Legend

- Site Boundary
- BH Location D
- Inaccessible Areas
- Not Surveyed - Excluded
- Non-Agricultural
- ALC Grade 1
- ALC Grade 2
- ALC Grade 3a
- ALC Grade 3b

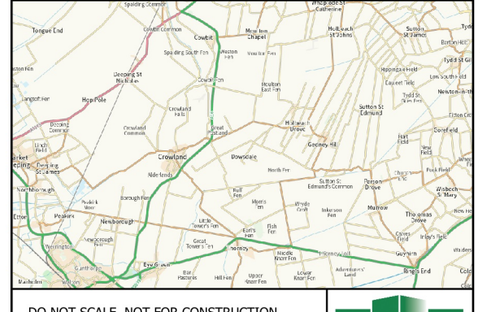
0 100 200 300 400 500 m

N

Figure	Auger Sample locations and ALC Grades
Job	Meridian Solar Farm
Client	AECOM

Figure No.	Revision	Date
4	1	30 September 2025
Drawn by	**Checked by**	**Scale**
SS	EH	1:16,000

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Legend

- Site Boundary
- BH Locations A
- Non-Agricultural
- Inaccessible Areas
- Not Surveyed - Excluded
- AVERAGED 1
- AVERAGE 3a
- AVERAGED 3b

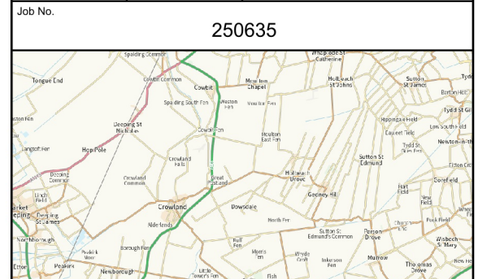
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N

Figure	Auger Samples and Average ALC Grades
Job	Meridian Solar Farm
Client	AECOM

Figure No.	Revision	Date
4		03 December 2025
Drawn by	**Checked by**	**Scale**
SS	EH	1:8,500

Job No. 250635

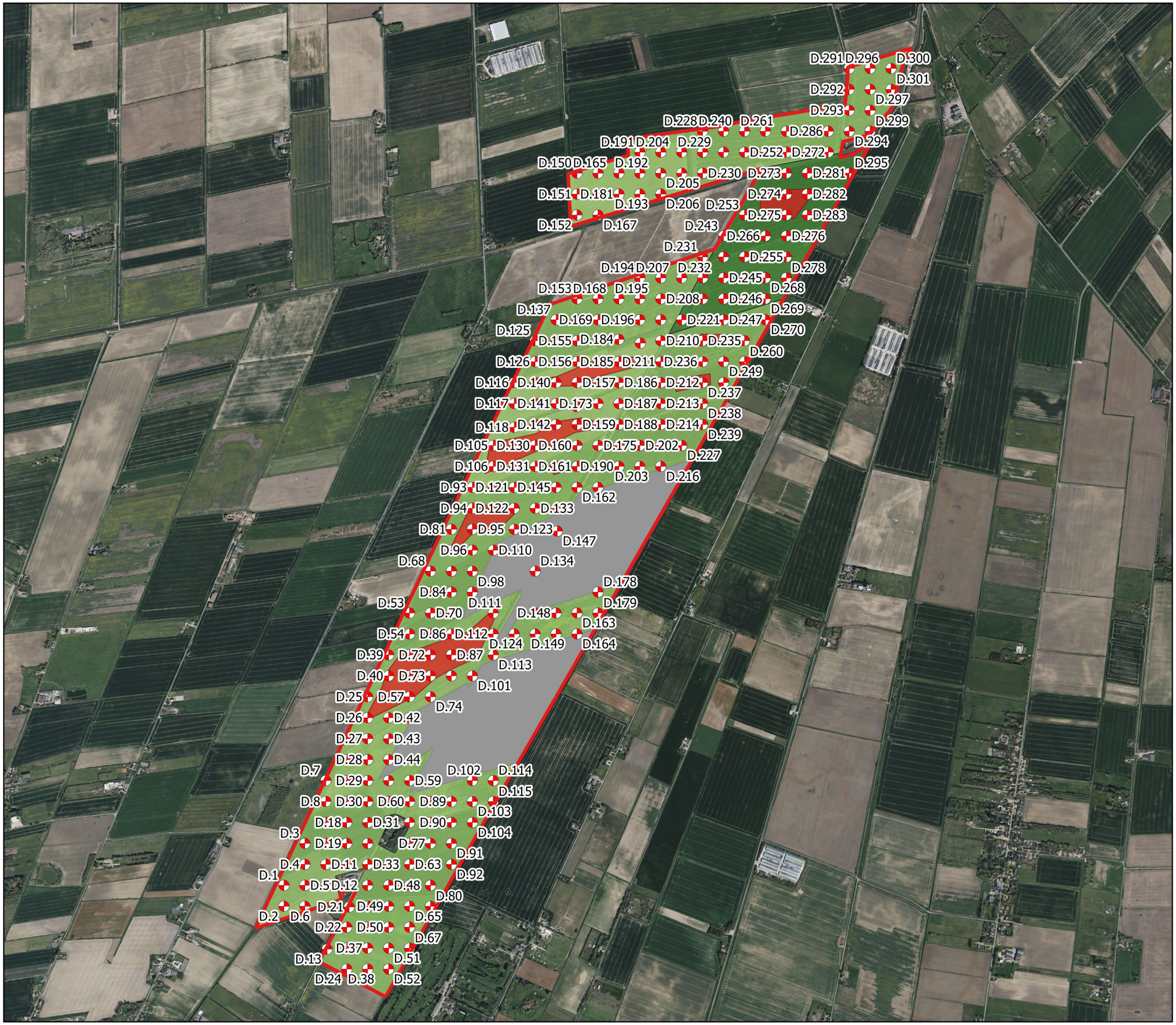


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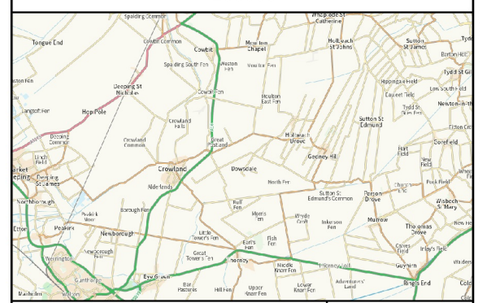
Legend

- Site Boundary
- BH Location D
- Inaccessible Areas
- Not Surveyed - Excluded
- AVERAGE 3a
- AVERAGED 3b

0 100 200 300 400 500 m

N

Figure: Auger Sample locations and ALC Grades		
Job: Meridian Solar Farm		
Client: AECOM		
Figure No.: 5	Revision:	Date: 03 December 2025
Drawn by: SS	Checked by: EH	Scale: 1:17,000
Job No.: 250635		



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Appendix II Site Survey Logs

FCD:	96.75	MDWHT:	119.03	MDPOT:	114

Auger Sample	top depth	layer Bottom Depth	Texture	CaCO3	Matrix				Mottles 1				Mottles 2				Stones	Structure	SPL	GLEYING	Figure	Wetness class	Wetness Grade	condition	Droughtiness Grade		OVERALL	
					Hue	value	chroma	colour	Hue	value	chroma	colour	Hue	value	chroma	colour									Wheat	Potatoes		
	0	40	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	90	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
A.1	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	90	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
A.2	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	40	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	90	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CSAB	SPL	No				moderate				
A.3	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3a	moderate	1	1	3a	wet
	0	45	MZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL	+	10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.4	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	calc
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL	+	10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.5	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	sl calc
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.6	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.7	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.8	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.9	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.10	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL	+	10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.11	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	calc
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.12	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.13	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	MZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		FSAB	No	No				moderate				
A.14	90	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
A.15	Non-Agricultural																							moderate moderate moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.16																-					Figure 7	III	3b	moderate	1	1	3a	calc

Note: + Positive effervescence

	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.17																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.18																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.19																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.20																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.21																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.22																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.23																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.24																-					Figure 7	III	3b	moderate	1	1	3a	calc
	0	40	MZCL		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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.25																-					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.26																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.27																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.28																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.29																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.30																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.31																-					Figure 7	III	3b	moderate	1	1	3a	calc
	0	35	HZCL	+	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.32																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.33																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.34																-					Figure 7	III	3b	moderate	1	1	3a	calc

	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.35																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.36																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.37																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.38																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.39																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.40																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.41																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	ZC	+	7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.42																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.43																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.44																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.45																-					Figure 7	III	3b	moderate	1	1	3a	calc
	0	45	SZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.46	90	120	ZC		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	45	SZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	90	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.47	90	120	ZC		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	
	0	35	SZL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	35	100	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.48	100	120	ZC		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		CP	SPL	No	WC1	I	1	moderate	1	1	1	sl calc
	0	30	HZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	45	HZCL	+	7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.49	45	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	calc
	0	30	HZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	45	HZCL	+	7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.50	45	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.51																-					Figure 7	III	3b	moderate	1	1	3a	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.52																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.53																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.54																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.55																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.56																-					Figure 7	III	3b	moderate	1	1	3a	calc

	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.57																-					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.58																-					Figure 7	III	3b	moderate	1	1	3a	calc
	0	45	HZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	45	90	HZCL	+	7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.59	90	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	calc
	0	20	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	20	100	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.60	100	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	100	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.61	100	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	100	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.62	100	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	-		MSAB	No	No				moderate				
	30	45	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.63	45	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.64																					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	-		MSAB	No	No				moderate				
	30	45	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.65	45	120	ZC		7.5YR	3	2	other	2.5YR	4	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	-		MSAB	No	No				moderate				
	30	45	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.66	45	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.67																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.68																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.69																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.70																-					Figure 7	III	3b	moderate	1	1	3a	calc
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.71	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	35	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.72																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	35	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.73																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	40	120	ZC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.74																			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	100	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.75	100	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.76																-					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	-		MSAB	No	No				moderate				
	30	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.77																					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	-		MSAB	No	No				moderate				
	20	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.78																					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	-		MSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.79																					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	-		MSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.80																					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	-		MSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.81																					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	-		MSAB	No	No				moderate				
	35	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.82																					Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	20	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.83																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	30	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.84																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.85																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.86																-					Figure 7	III	3b	moderate	1	1	3a	calc
	0	35	HZCL		10YR	3	2	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.87	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	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	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.88	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	40	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.89																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	40	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	40	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.90																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.91	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.92	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.93																			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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.94	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.95	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.96																			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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.97																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	HZCL	+	7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.98	60	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.99																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	20	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	20	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.100																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet

	0	30	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
	30	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.101																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.102																			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	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.103	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.104	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.105	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.106	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	80	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.107	80	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.108	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.109	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.110																			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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.111	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	wet
																								moderate				
A.112	No Access																							moderate				
																								moderate				
	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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.113																			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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.114																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.115	60	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	sl calc
	0	30	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.116	60	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	sl calc
	0	45	SZL		10YR	3	3	other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	45	120	ZC		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.117																			No	No	WC1	I	1	moderate	1	1	1	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.118																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.119	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.120	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.121	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.122	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.123																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
A.124	No Access																														
	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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.125																			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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.126																			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	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.127																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	30	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	30	60	HZCL		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.128	60	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.129																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.130																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.131																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.132																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.133																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.134																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.135																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.136																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	SC	+	10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.137																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	0	35	HZCL	+	10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	SC	+	10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.138																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	0	30	SZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	30	75	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.139	75	120	LS		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.140																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.141																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.142																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.143																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.144																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.145																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.146																			No	No	Figure 7	III	3b	moderate	1	1	3a	sl calc
	0	35	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.147																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	0	40	MCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	80	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.148	80	120	LS		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No	WC1	I	1	moderate	1	1	1	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.149																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.150																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.151																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	120	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.152																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.154																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	HZCL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		CSAB	No	No				moderate				
	35	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No				moderate				
A.155																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	0	40	SZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No				moderate				
	40	80	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No				moderate				
A.156	80	120	LS		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.157																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.158																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.159																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.160																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.161																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.162																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.164																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.166																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.167																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.168																					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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.169																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.170																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.171																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.172																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.173																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.174																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.175																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.176																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.177																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.178																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.179																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.180																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.181																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.182																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.183																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.184																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.185																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.186																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.187																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
A.188																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet

FCD:	92.5		MDWHT:	119.03	MDPOT:	114.78

Auger Sample	top depth	layer Bottom Depth (cm)	Texture	caco3	Matrix				Mottles 1				Mottles 2				Stones	Structure	SPL	GLEYING	Figure	Wetness class	Wetness Grade	condition	Droughtiness Grade		OVERALL	
					Hue	value	chroma	colour	Hue	value	chroma	colour	Hue	value	chroma	colour									Wheat	Potatoes		
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.1																					Figure 7	III	3b	moderate	1	1	3b	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.2	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3b	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.3	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	2	moderate	1	1	2	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.4	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.5																					Figure 7	III	3b	moderate	1	1	3b	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.6	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.7																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.8																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.9																					Figure 7	III	3b	moderate	1	1	3b	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.10	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	2	moderate	1	1	2	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.11	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.12																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.13																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.14																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.15																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.16																					Figure 7	III	3b	moderate	1	1	3b	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.17	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.18																					Figure 7	III	3b	moderate	1	1	3b	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.19	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.20																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.21																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				

Note: + Positive effervescence

D.22																				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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.23																				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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.24																				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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.25																				Figure 7	III	3b	moderate	1	1	3b	wet

D.26	No Access																								moderate				
																									moderate				
																									moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.27																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.28																					Figure 7	III	3b	moderate	1	1	3b	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.29	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	2	moderate	1	1	2	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.30	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	2	moderate	1	1	2	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	90	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	No	No				moderate				
D.31	90	120	SC		10YR	4	3	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	WC1	I	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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.32																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.33																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.34																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.35																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.36																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.37																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.38																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.39																					Figure 7	III	3b	moderate	1	1	3b	wet
D.40	No Access																							moderate				
																								moderate				
																								moderate				
D.41	No Access																							moderate				
																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.42																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.43																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.44																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.45																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.46																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.47																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.48																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.49																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.50																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.51																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.52																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.53																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.54																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
D.55	No Access																							moderate moderate moderate				
D.56	No Access																							moderate moderate moderate				
D.57	No Access																							moderate moderate moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.58																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.59																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.60																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.61																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.62																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.63																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.64																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.65																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.66																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.67																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.68																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.69																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.70																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.71																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
D.72	No Access																							moderate moderate moderate				
D.73	No Access																							moderate moderate moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.74																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.75																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.76																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.77																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.78																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.79																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.80																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.81																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
D.82																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.83																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.84																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.85																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.86																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
D.87																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.88																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.89																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.90																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.91																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.92																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.93																					Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
D.94																								moderate				
																								moderate				
	No Access																							moderate				
D.95																								moderate				
																								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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.96																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.97																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.98																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
D.99																								moderate				
																								moderate				
	No Access																							moderate				
D.100																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.101																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.102																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.103																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.104																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
																								moderate				
D.105																								moderate				
	No Access																							moderate				
																								moderate				
D.106																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.107																					Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
																								moderate				
D.108																								moderate				
	No Access																							moderate				
																								moderate				
D.109																								moderate				

	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.110																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.111																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.112																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
D.113	No Access																							moderate				
																								moderate				
																								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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.114																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.115																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.116																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.117																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.118																					Figure 7	III	3b	moderate	1	1	3b	wet
D.119	No Access																							moderate				
																								moderate				
																								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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.120																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.121																					Figure 7	III	3b	moderate	1	1	3b	wet
D.122	No Access																							moderate				
																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.123																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.124																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.125																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.126																					Figure 7	III	3b	moderate	1	1	3b	wet
D.127	No Access																							moderate				
																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.128																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.129																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
D.130	No Access																							moderate				
																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.131																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.132																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.133																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet

D.134	Not Surveyed																										moderate moderate 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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.135																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.136																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.137																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.138																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.139																					Figure 7	III	3b	moderate	1	1	3b	wet
D.140	No Access																							moderate moderate moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.141																					Figure 7	III	3b	moderate	1	1	3b	wet
D.142	No Access																							moderate moderate moderate			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.143																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
D.144	No Access																							moderate moderate moderate				
	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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.145																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.146																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
D.147	Not Surveyed																							moderate moderate moderate				
	0	30	SZL		10YR	3	3	other	n/a	n/a	n/a	-	n/a	n/a	n/a	-		MSAB	No	No					moderate				
	30	75	SZL		10YR	3	3	other	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No					moderate				
D.148	75	120	LS		10YR	4	4	Brownish	7.5YR	5	8	Ochreous	7.5YR	6	1	Greyish		FSAB	No	No	WC1	I	1	moderate	1	1	1	
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.150																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.151																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.152																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.153																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.154																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.155																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No					moderate				
D.156																					Figure 7	III	3b	moderate	1	1	3b	wet
D.157	No Access																							moderate moderate moderate				

	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.158																					Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
																								moderate				
D.159																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.160																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.161																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.162																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.163																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.164																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.165																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.166																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.167																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.168																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.169																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.170																					Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
																								moderate				
D.171																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.172																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.173																					Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
																								moderate				
D.174																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.175																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.176																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.177																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.178																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.179																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.180																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.181																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.182																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.183																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.184																					Figure 7	III	3b	moderate	1	1	3b	wet
D.185	No Access																							moderate				
																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.186																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.187																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.188																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.189																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.190																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.191																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.192																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.193																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.194																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.195																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.196																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.197																					Figure 7	III	3b	moderate	1	1	3b	wet
D.198	No Access																							moderate				
																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.199																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.200																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.201																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.202																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.203																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.204																					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	ZC		7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.205																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.206																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.207																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.208																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.209																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.210																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.211																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.212																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.213																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.214																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.215																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.216																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.217																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.218																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.219																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.220																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.221																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.222																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.223																					Figure 7	III	3b	moderate	1	1	3b	wet
																								moderate				
D.224	No Access																							moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.225																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.226																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.227																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.228																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.229																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.230																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.231																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.232																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.233																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.234																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
D.235																								moderate				
																								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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.236																					Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
D.237																								moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.238																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.239																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.240																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.241																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.242																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.243																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.244																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	ZC	+	7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.245																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.246																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.247																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	No Access																							moderate				
D.248																								moderate				
																								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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.249																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.250																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.251																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.252																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.253																					Figure 7	III	3b	moderate	1	1	3a	Calc

	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.254																					Figure 7	III	3b	moderate	1	1	3a	Calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.255																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.256																			No	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.257																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.258																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.259																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.260																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.261																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.262																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.263																					Figure 7	III	3b	moderate	1	1	3a	calc
	No Access																							moderate				
D.264																								moderate				
																								moderate				
	No Access																							moderate				
D.265																								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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.266																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.267																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.268																			No	No	Figure 7	III	3b	moderate	1	1	3a	Calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.269																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.270																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	90	HZCL	+	7.5YR	3	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.271	90	120	SC		10YR	4	4	Brownish	10YR	4	6	Ochreous	2.5Y	5	1	Greyish		CP	SPL	No	Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.272																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.273																					Figure 7	III	3b	moderate	1	1	3a	calc
	No Access																							moderate				
D.274																								moderate				
																								moderate				
	No Access																							moderate				
D.275																								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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.276																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.277																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.278																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.279																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.280																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.281																					Figure 7	III	3b	moderate	1	1	3a	calc
																								moderate				
D.282	No Access																							moderate				
																								moderate				
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.283																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.284																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.285																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.286																					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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.287																					Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.288																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.289																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.290																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.291																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.292																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.293																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.294																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.295																					Figure 7	III	3b	moderate	1	1	3a	calc
	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.296																			No	No	Figure 7	III	3b	moderate	1	1	3b	wet
	0	35	C		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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.297																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.298																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.299																			No	No	Figure 7	III	3b	moderate	1	1	3b	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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.300																			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	2	other	2.5YR	4	6	Ochreous	n/a	n/a	n/a	-		CP	SPL	No				moderate				
D.301																			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 area A:** General crop on site	
2.	**Meridian Solar Farm Area D:** General crop on site	
3.	**Meridian Solar** General crop on site	

Photograph Number	Photograph Description	Photograph
4.	**Meridian Solar Farm** Clay soils forming large surface clods – shows ground conditions at time of the survey during drought season	
5.	**Meridian Solar Farm** Soil type 1 Auger Sample	
6.	**Meridian Solar Farm** Soil type 2 Auger Sample	

Photograph Number	Photograph Description	Photograph
7.	**Meridian Solar Farm** Clay subsoil brownish with many grey and ochreous mottles. Clay has some small inclusions of gravel. Lack of organic evidence, no root content. Minimal biopores	
8.	**Meridian Solar Farm** Clay subsoil clod recovered from trial pit. brownish with many grey and ochreous mottles. Clay has some small inclusions of gravel. Lack of organic evidence, no root content. Few very fine biopores visible	

Photograph Number	Photograph Description	Photograph
9.	**Meridian Solar Farm** Clay topsoil to Subsoil material. Some fine ochreous mottles.	
10.	**Meridian Solar Farm** Clay Subsoil brownish with many grey and ochreous mottles. Lack of organic evidence, no root content. Minimal biopores. Little to no gravel content.	

Photograph Number	Photograph Description	Photograph
11.	**Meridian Solar Farm** Clay Loam Topsoil. Very dry due to drought, very friable due to ground conditions and no presence of mottling. Minimal roots in lower depths of topsoil. Some biopores visible	
12.	**Meridian Solar Farm** Deeper Clay Subsoil very light grey mottles and deep orange mottles. Clay is very firm and low permeability. No biopores	

Soil Pit Log :Meridian	
Pit Log 3 Approx GR: TF 34096 13336 0-23cm Heavy Silty Clay Loam 10 YR 3/2, no stones no motles. 23+ Silty Clay (10YR 5/4) no stones, many ochreous mottles (10YR 6/8), some grey mottles (7.5YR 6/1). Coarse prismatic, firm consistence.	**Soil Pit View** 
Depth to SPL: 35cm	
Depth to Gleying: not gleyed	
Wetness Class: III	
Wetness grade: 3b	

AP Wheat:	MB Wheat:	AP Potatoes:	MB pot
134.2	15.17	122.4	7.62

Soil Pit Log: Meridian

Pit Log 4

Approx GR: TF 25145 13613

0-35cm Heavy Silty Clay Loam 10 YR 3/2, no stones no motles.

35+ Silty Clay (7.5YR 3/2) no stones, many ochreous mottles (10YR 6/8), some grey mottles (7.5YR 6/1). Coarse prismatic, firm consistence.

Soil Pit View



Depth to SPL: 35

Depth to Gleying: not gleyed

Wetness Class: III

Wetness grade: 3b

AP Wheat:	MB Wheat:	AP Potatoes:	MB pot
125.10	6.07	111	-3.78

Soil Pit Log: Meridian

Pit Log 4

Approx GR: TF 25145 13613

0-35cm Heavy Silty Clay Loam 10 YR 3/2, no stones no motles.

35+ Silty Clay (7.5YR 3/2) no stones, many ochreous mottles (10YR 6/8), some grey mottles (7.5YR 6/1). Coarse prismatic, firm consistence.

Soil Pit View



Depth to SPL: 35

Depth to Gleying: not gleyed

Wetness Class: III

Wetness grade: 3b

AP Wheat:	MB Wheat:	AP Potatoes:	MB pot
125.10	6.07	111	-3.78

Soil Pit Log: Meridian	
Pit Log 6 (very dry) Approx GR: TF 24393 13475 0-20cm Heavy Silty Clay Loam 10 YR 3/2, no stones no motles. 20-36 cm sandy Silt loam (10YR 4/3), no stones, few fine ochreous mottles (7.5YR 4/6), compacted, moderately friable 36+ Silty Clay (10YR 5/4) no stones, many ochreous mottles (10YR 6/8), some grey mottles (7.5YR 6/1). Coarse prismatic, firm consistence.	**Soil Pit View** 
Depth to SPL: 36cm	
Depth to Gleying: No gleying	
Wetness Class: III	
Wetness grade: 3b	

AP Wheat: 140.6	MB Wheat: 21.57	AP Potatoes: 131	MB pot: 16.22

Soil Pit Log: Meridian	
Pit Log 6 (very dry) Approx GR: TF 24393 13475 0-20cm Heavy Silty Clay Loam 10 YR 3/2, no stones no motles. 20-36 cm sandy Silt loam (10YR 4/3), no stones, few fine ochreous mottles (7.5YR 4/6), compacted, moderately friable 36+ Silty Clay (10YR 5/4) no stones, many ochreous mottles (10YR 6/8), some grey mottles (7.5YR 6/1). Coarse prismatic, firm consistence.	**Soil Pit View** 
Depth to SPL: 36cm	
Depth to Gleying: No gleying	
Wetness Class: III	
Wetness grade: 3b	

AP Wheat: 140.6	MB Wheat: 21.57	AP Potatoes: 131	MB pot: 16.22



Legend

- Site Boundary
- Pit

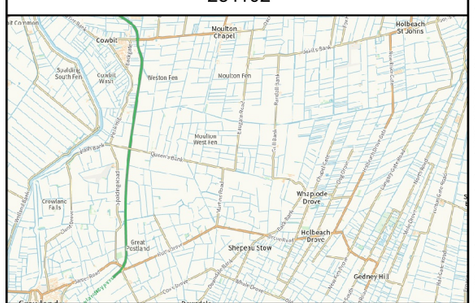
0 300 600 900 1,200 1,500 m

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 (A&D) AREA 2
Job Number:	250635
Date:	03/12/2025
Completed By:	SSt

Site Altitude:	1
Centre Grid Ref:	534762 314952

AAR	541.75
ATO	1446.46
FCD	92.50
MDMWHT	120.03
MDMPOT	116.03

	Soil Type 1	**Soil Type 2**	**Soil Type 3**
AP WHT	153.00	181.00	0.00
MB WHT	32.97	60.97	-120.03
AP POT	119	139	0
MB POT	2.97	22.97	-116.03

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 affects crop yield, cultivation or harvesting.
Subgrade 3a (pre-1988 Grade 3)	Good quality agricultural land Capable of producing moderate to high yields of a narrow range of arable crops or moderate yields of a wider range of crops.
Subgrade 3b (pre-1988 Grade 3)	Moderate quality agricultural land Capable of producing moderate yields of a narrow range of arable crops and/or lower yields of a wider range of crops.
Grade 4	Poor quality agricultural land Severe limitations which significantly restrict the range of crops and/or levels of yield.
Grade 5	Very poor quality agricultural land Very severe limitations which restrict use to permanent pasture or rough grazing.

Best and Most Versatile (BMV) Agricultural Land

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

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

Limiting Factors

Main Factor	Sub Factor	Explanation
Climatic Limitations	Overall Climatic Limitation	Using a dataset of five parameters, as set on a 5km grid for the whole of the UK, the site climatic values are used to determine if there is an overriding limiting factor for the site with regard to the wider climate.
	Local Climatic Factors	Where the above climatic factors are liable to be modified by local factors such as aspect, gradient and elevation then one or more of these factors may become a limiting factor for the site.
Site Limitations	Gradient	Gradient may have an impact on mechanised farm operations and also on soil erosion. The ALC grade limitations with reference to gradient are given in Table 1 of the MAFF guidance.
	Microrelief	Complex changes in slope angle and direction over short distances may have an impact on agricultural machinery. The effect of microrelief is considered in conjunction with overall gradient.
	Flooding	The extent, duration, frequency and timing of flooding may have an influence over the ALC Grade and could become the limiting site factor. The ALC grade limitations with reference to flooding are given in Tables 2 and 3 of the MAFF guidance.
Soil Limitations	Soil Texture and Structure	Soil texture and structure can influence the water retention, water movement and aeration of the soil and therefore affect the workability, trafficability, poaching risk and suitability for plant growth. Soil texture is determined by the proportions of sand, silt and clay and is used to assess the wetness class of the soil.
	Soil Depth	Soil depth can influence the available water capacity of the soil, restrict nutrient uptake, root growth and root anchorage. The ALC grade limitations with reference to soil depth are given in Table 4 of the MAFF guidance.

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

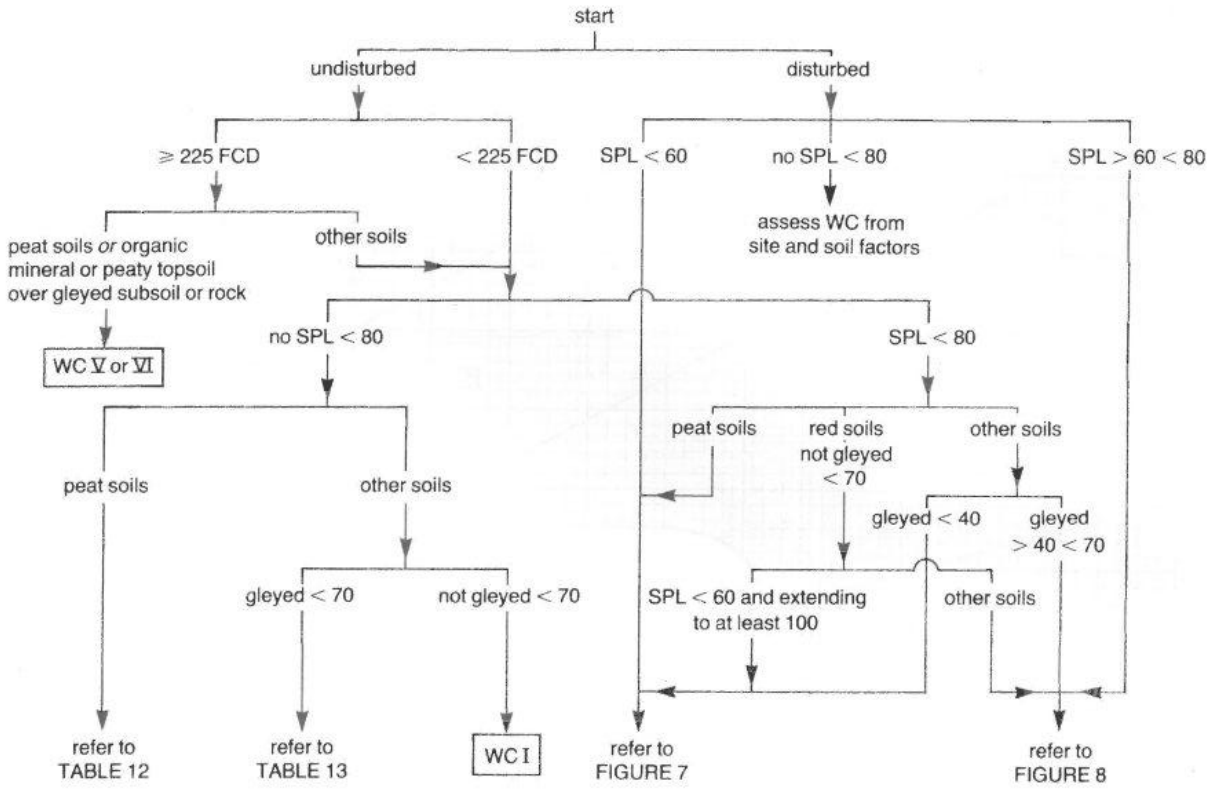


Figure 6. Flow diagram for assessing soil wetness class (WC) from field capacity days (FCD), depth to gleying (in cm) and depth to a slowly permeable layer (SPL, in cm)

Appendix VI Laboratory Results

ANALYTICAL TEST REPORT

Report Number	25-10958, issue number 1
Contract name:	Meridian A&D 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:	07/11/2025
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
Approved by:	[redacted] Senior Reporting Administrator

Unit 6 Parkhead, Greencroft Industrial Park, Stanley, County Durham, DH9 7YB

Telephone: (01207) 528578, Email supportsquad@chemtech-env.co.uk

SAMPLE INFORMATION

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
75723	BH A.21	0.00 - 0.43				
75724	BH A.42	0.00 - 0.40				
75725	BH A.148	0.00 - 0.35				
75726	BH A.151	0.00 - 0.35				
75727	BH A.169	0.00 - 0.30				
75728	BH D.19	0.00 - 0.30				
75729	BH D.145	0.00 - 0.40				
75730	BH D.205	0.00 - 0.40				
75731	BH D.245	0.00 - 0.37				
75732	BH D.297	0.00 - 0.32				

SOILS

Lab Number					75723	75724	75725	75726	75727
Sample ID					BH A.21	BH A.42	BH A.148	BH A.151	BH A.169
Depth (m)					0.00 - 0.43	0.00 - 0.40	0.00 - 0.35	0.00 - 0.35	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	%	42.8	38.9	25.8	47.7	44.0
% Sand	CE118	N	0.1	%	4.9	6.7	35.1	13.5	6.8
% Silt	CE118	N	0.1	%	52.3	54.4	39.1	38.8	49.2

SOILS

Lab Number					75728	75729	75730	75731	75732
Sample ID					BH D.19	BH D.145	BH D.205	BH D.245	BH D.297
Depth (m)					0.00 - 0.30	0.00 - 0.40	0.00 - 0.40	0.00 - 0.37	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	%	31.2	40.6	41.2	44.7	35.0
% Sand	CE118	N	0.1	%	21.6	6.1	5.0	5.4	23.0
% Silt	CE118	N	0.1	%	47.2	53.3	53.8	49.8	42.0

DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75723	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH A.21	**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	-	-	-	-	-	-	-

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

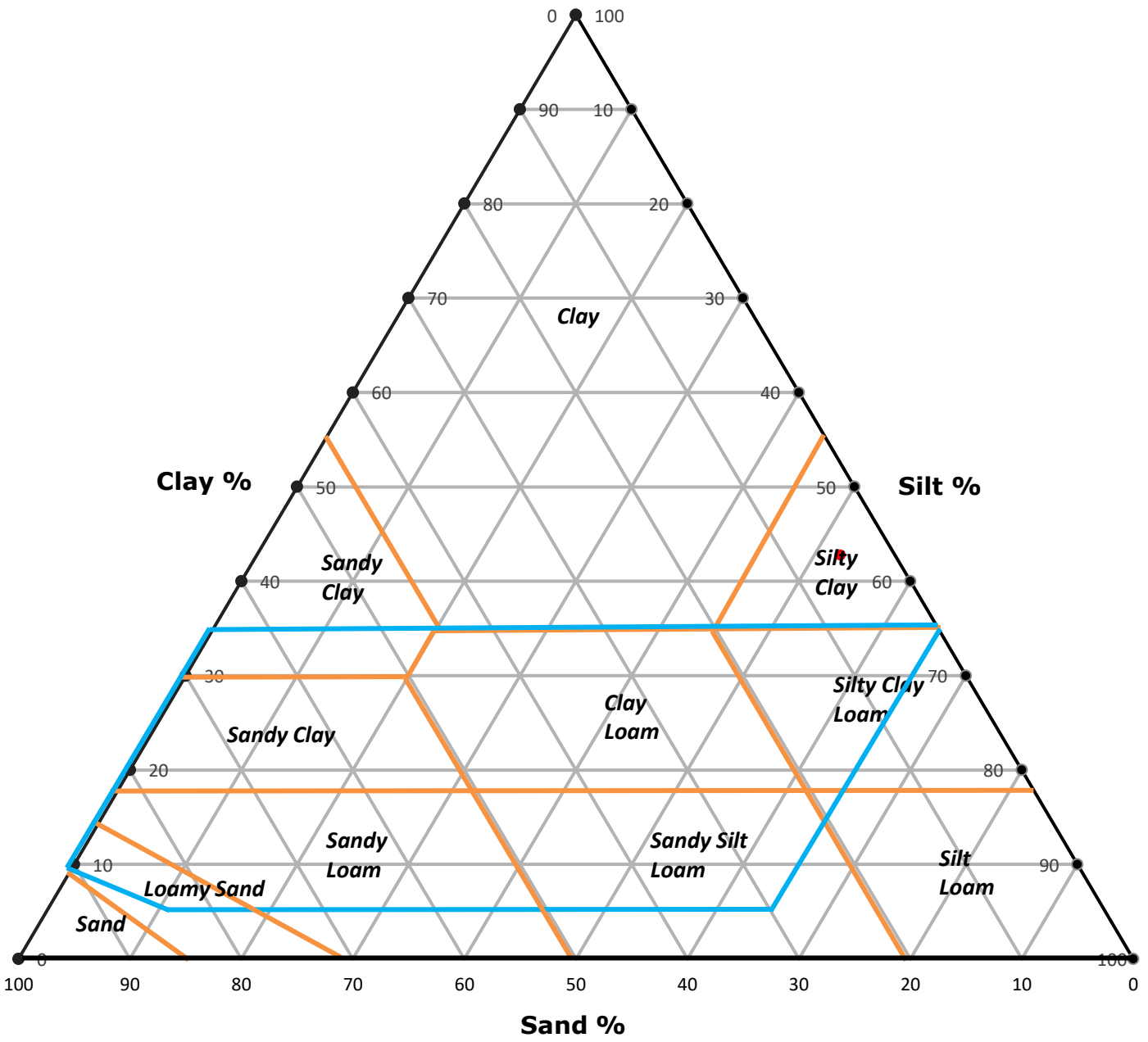
Disclaimer: The limits in this report are provided for guidance only and values are transcribed from BS3882:2015

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Any assessments made are based on the published results from the Laboratory and make no assessment of uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. Method uncertainty levels can be provided independently upon request.

Assessment is outside the scope of the laboratory's UKAS accreditation.

DECLARATION OF COMPLIANCE
(BS3882:2015)



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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75724	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH A.42	**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	39						
Silt content	% w/w	54						
Sand content	% w/w	7						
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	-	-	-	-	-	-	-

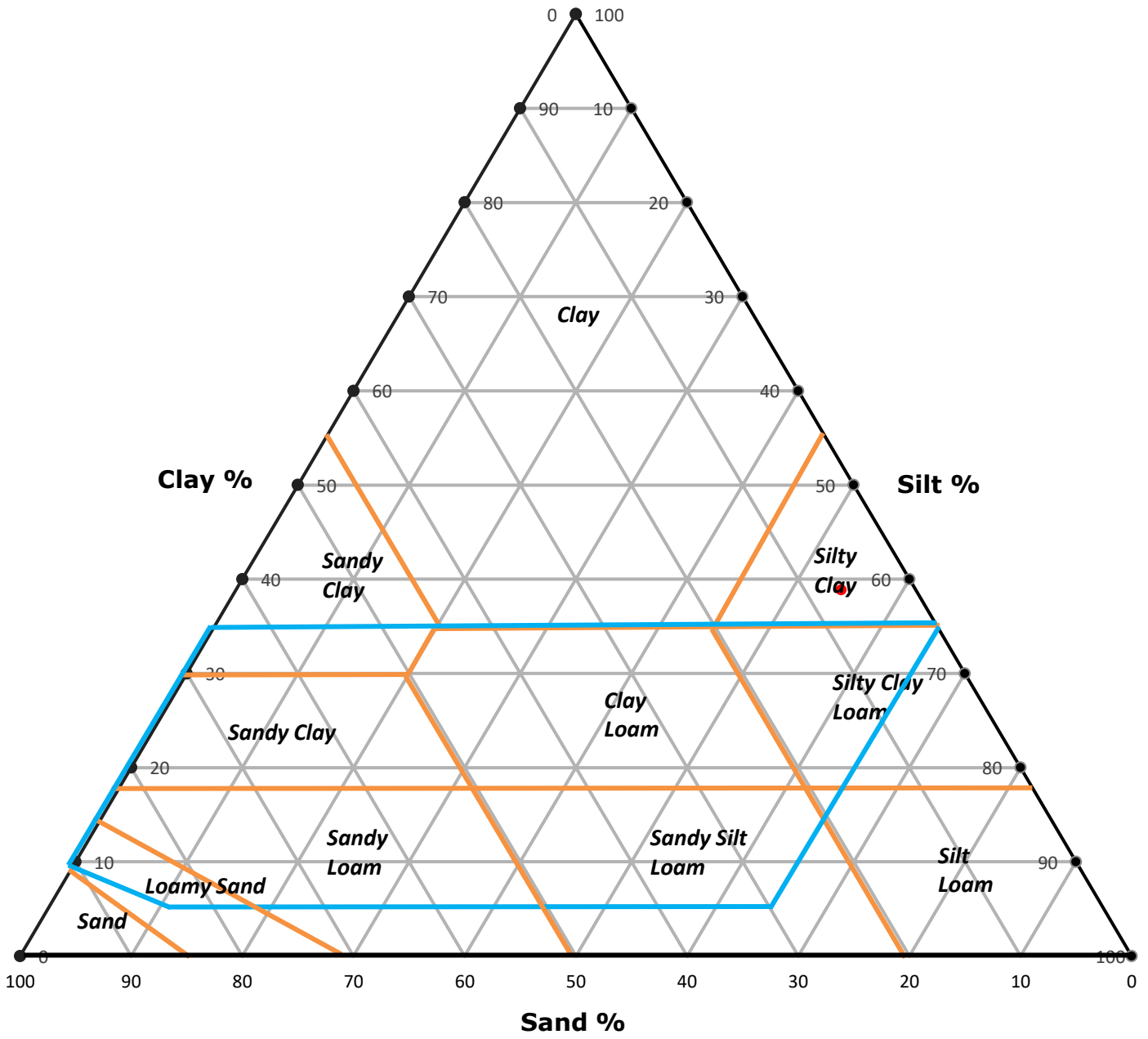
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75725	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH A.148	**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	26						
Silt content	% w/w	39						
Sand content	% w/w	35						
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	-	-	-	-	-	-	-

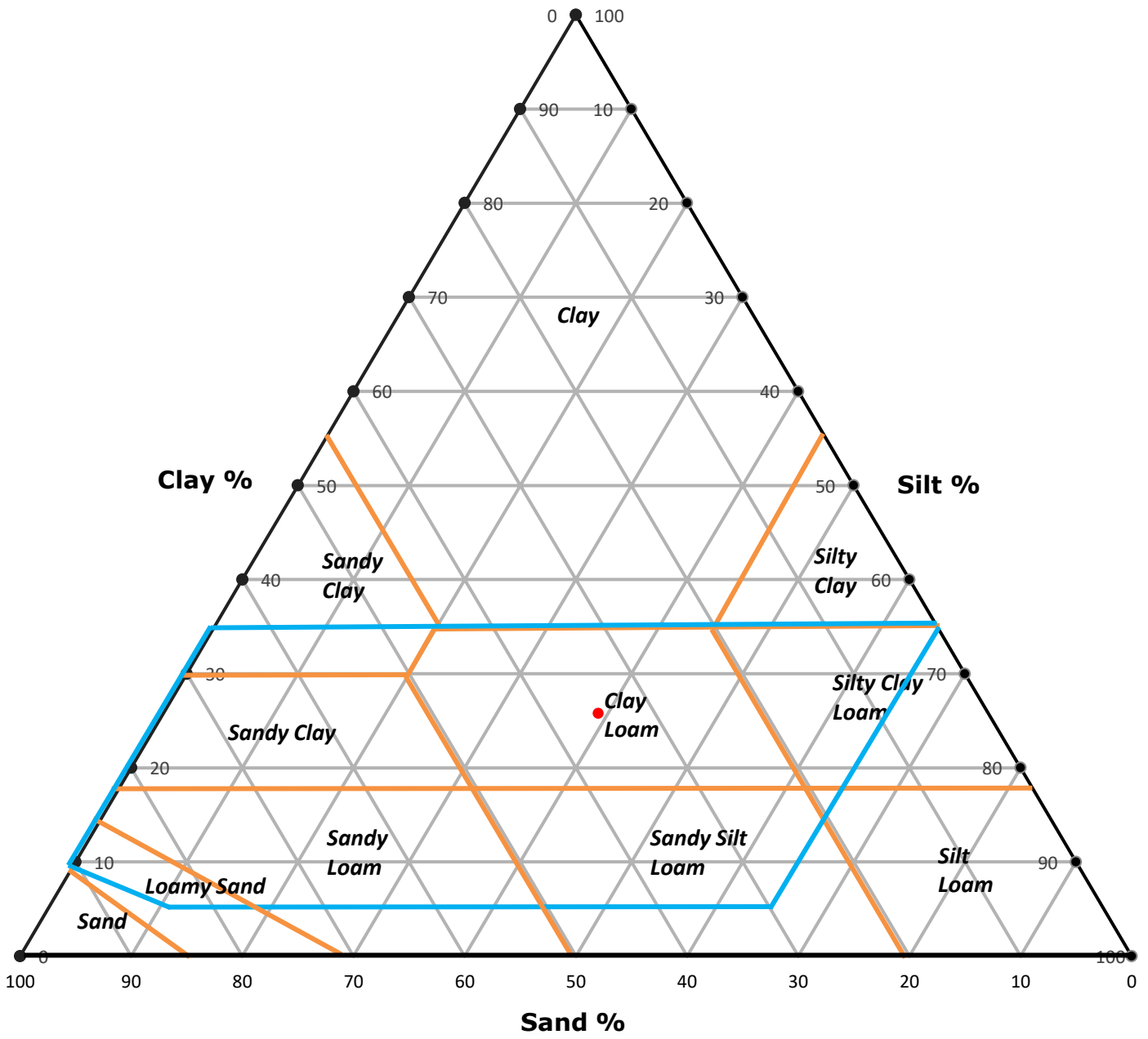
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75726	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH A.151	**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	48						
Silt content	% w/w	39						
Sand content	% w/w	14						
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	-	-	-	-	-	-	-

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

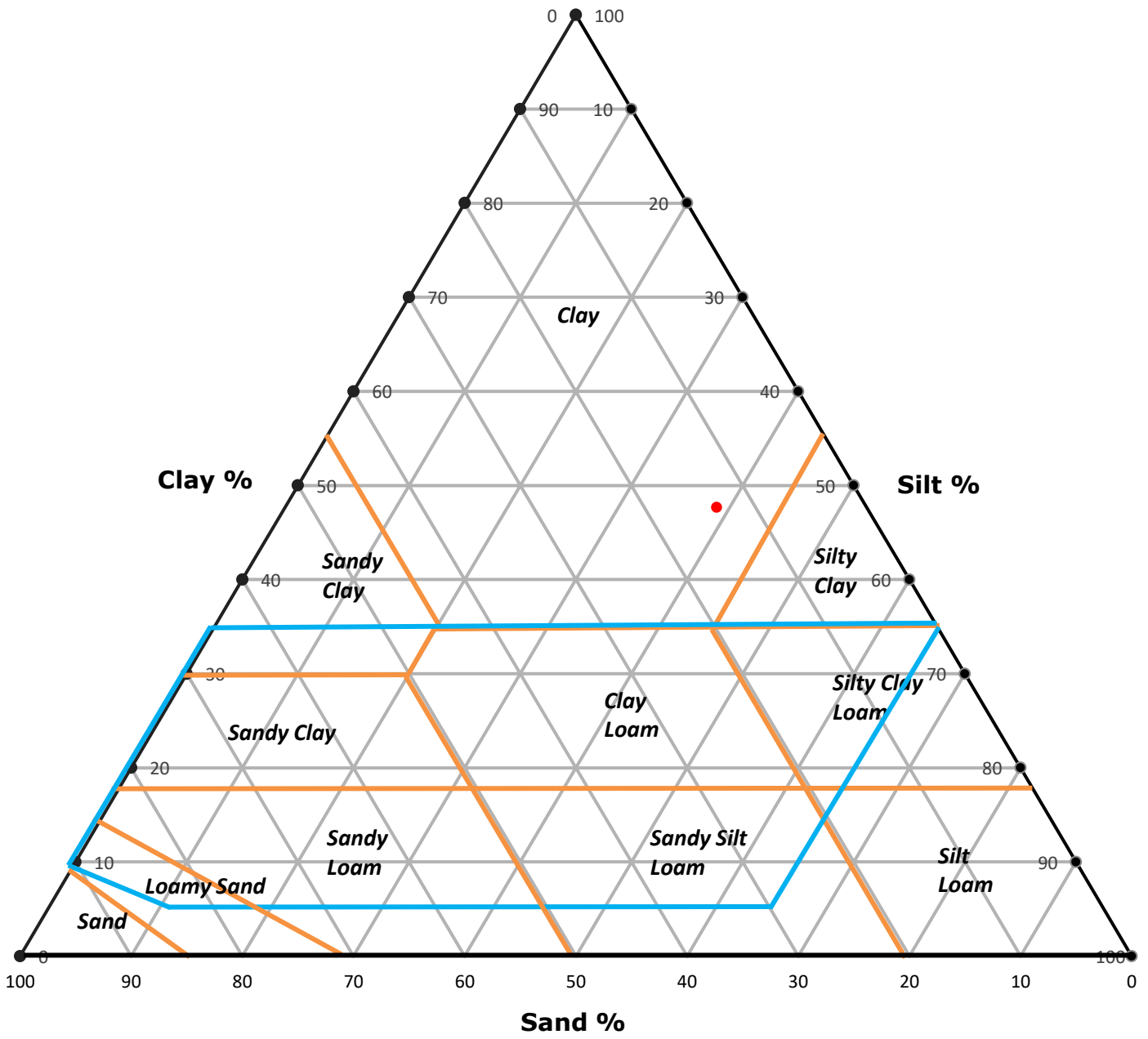
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Lab ref	75727	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH A.169	**Analysis completed**	14/11/2025
OS Grid reference	Not supplied	**Report issued**	14/11/2025
Date sampled	05/11/2025		

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	44						
Silt content	% w/w	49						
Sand content	% w/w	7						
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	-	-	-	-	-	-	-

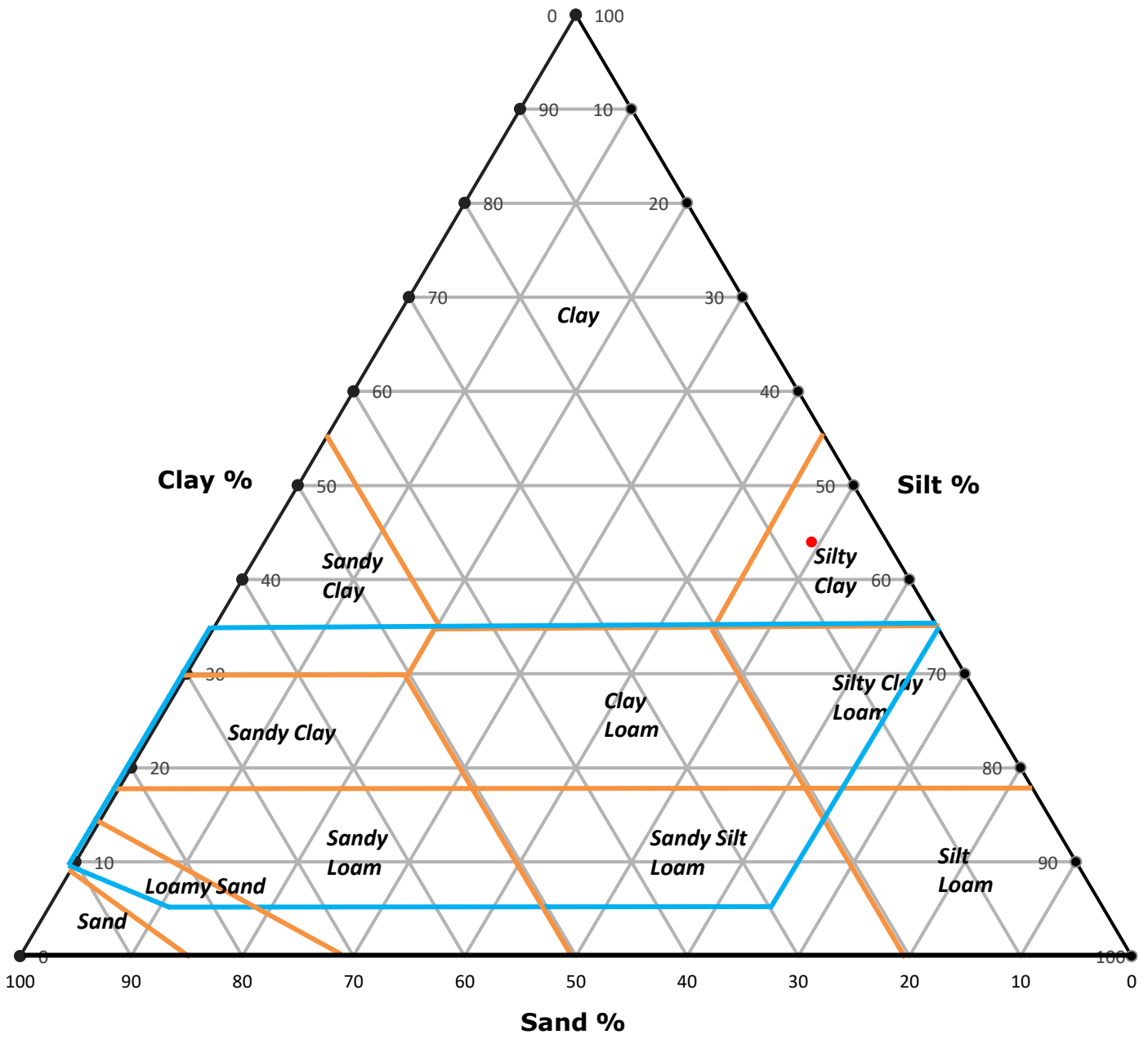
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75728	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH D.19	**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	31						
Silt content	% w/w	47						
Sand content	% w/w	22						
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
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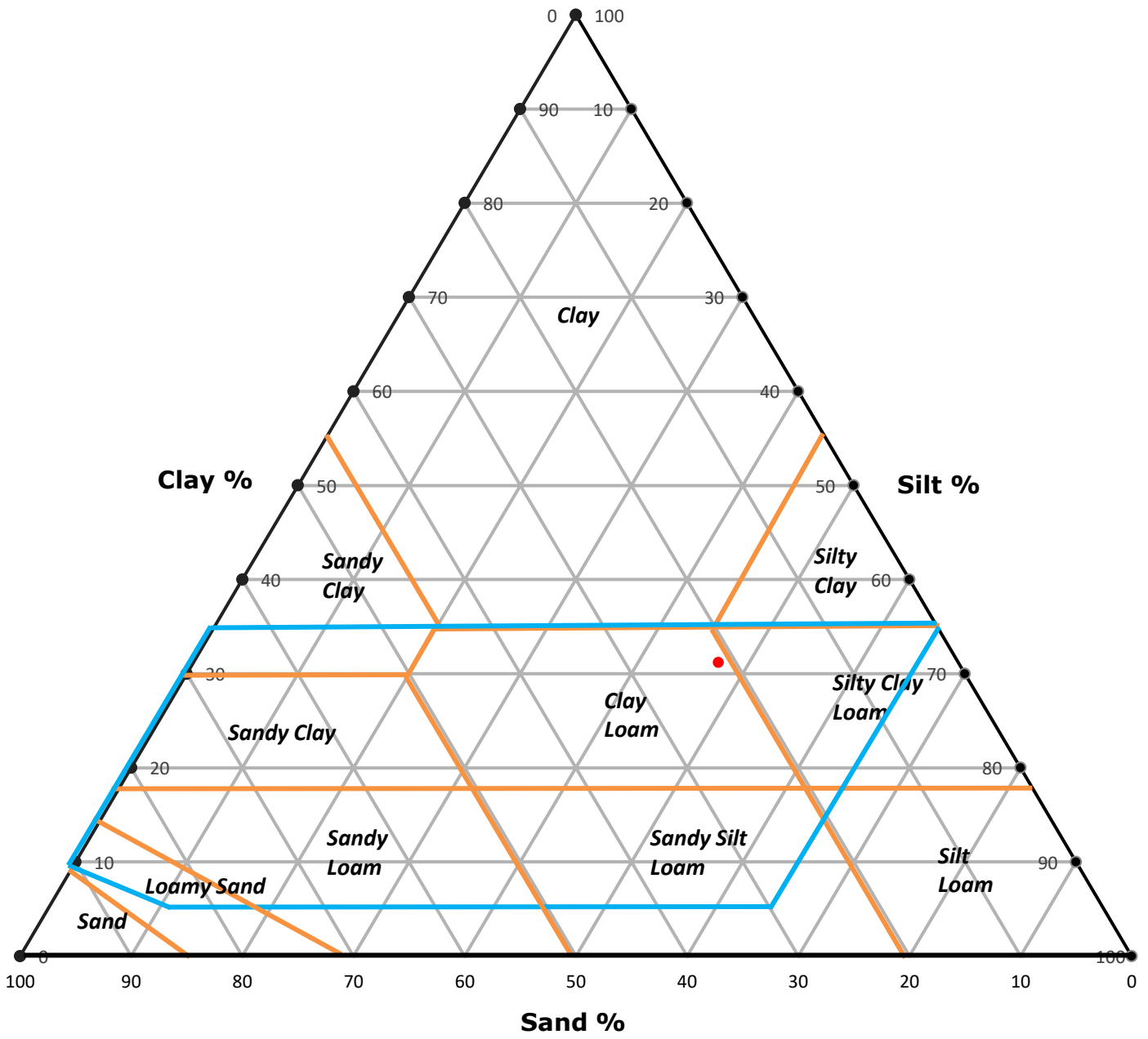
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CHEMTECH environmental part of Cawood

Lab ref	75729	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH D.145	**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	53						
Sand content	% w/w	6						
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	-	-	-	-	-	-	-

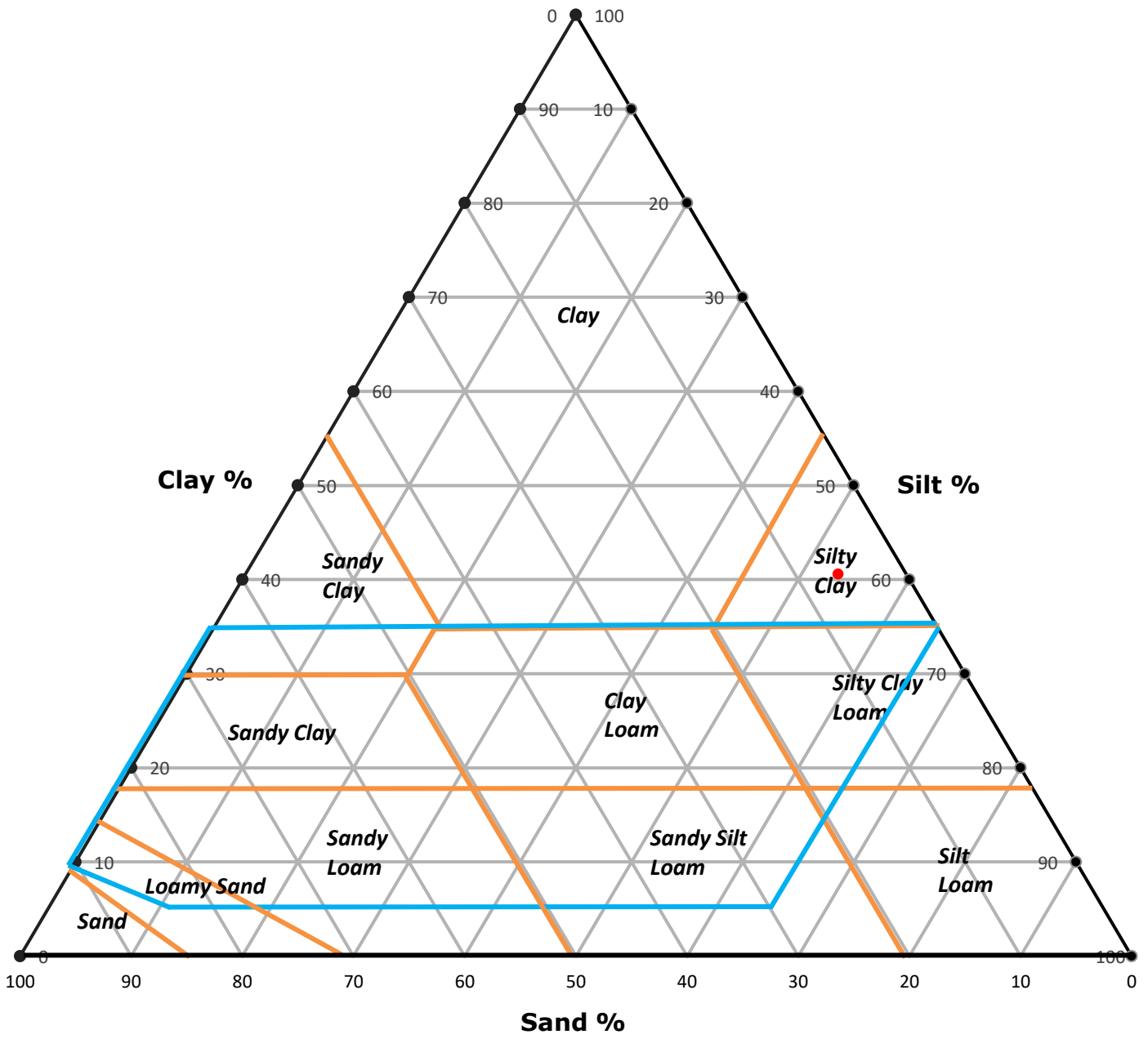
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75730	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH D.205	**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	54						
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	-	-	-	-	-	-	-

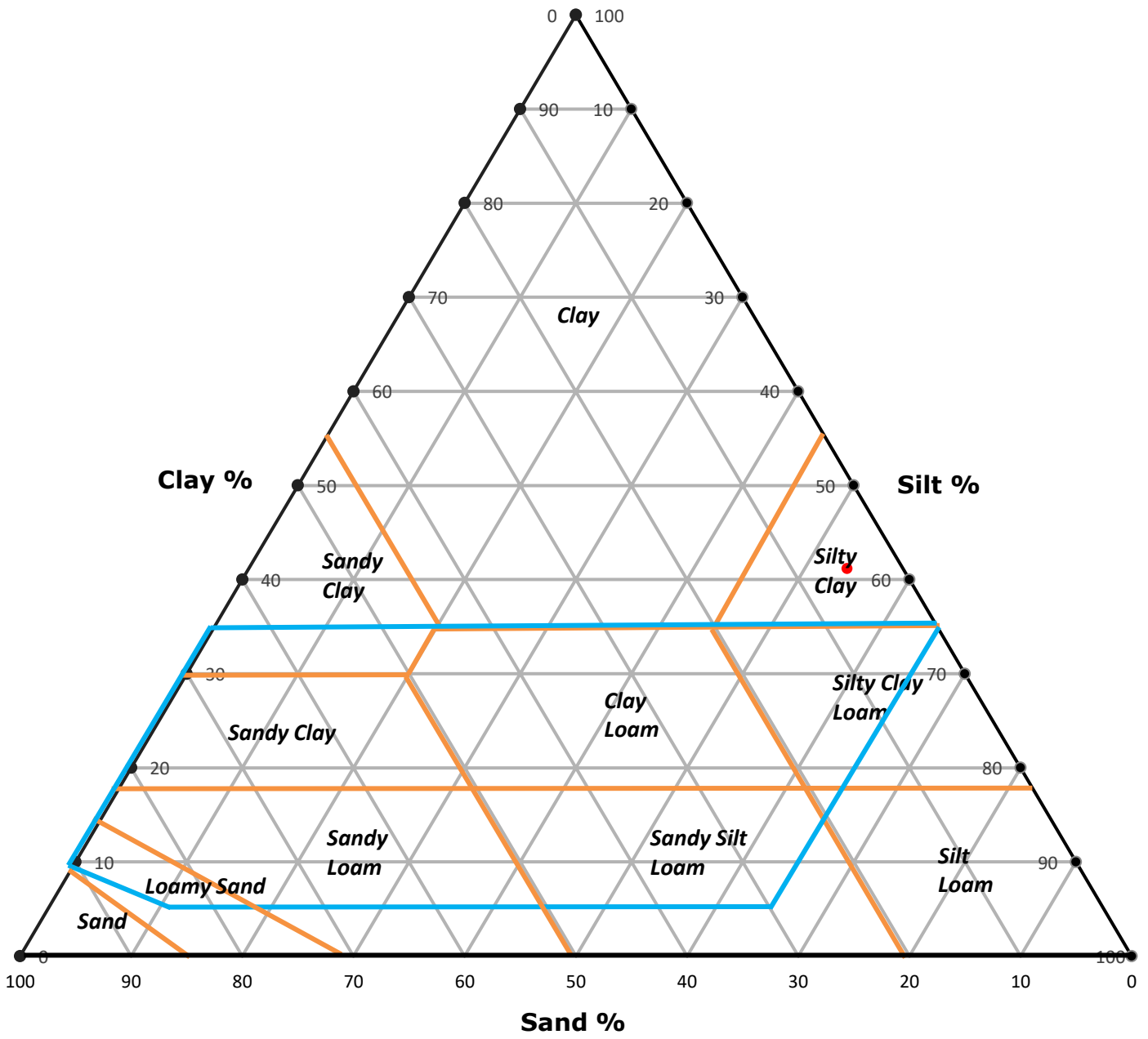
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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75731	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH D.245	**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	45						
Silt content	% w/w	50						
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	-	-	-	-	-	-	-

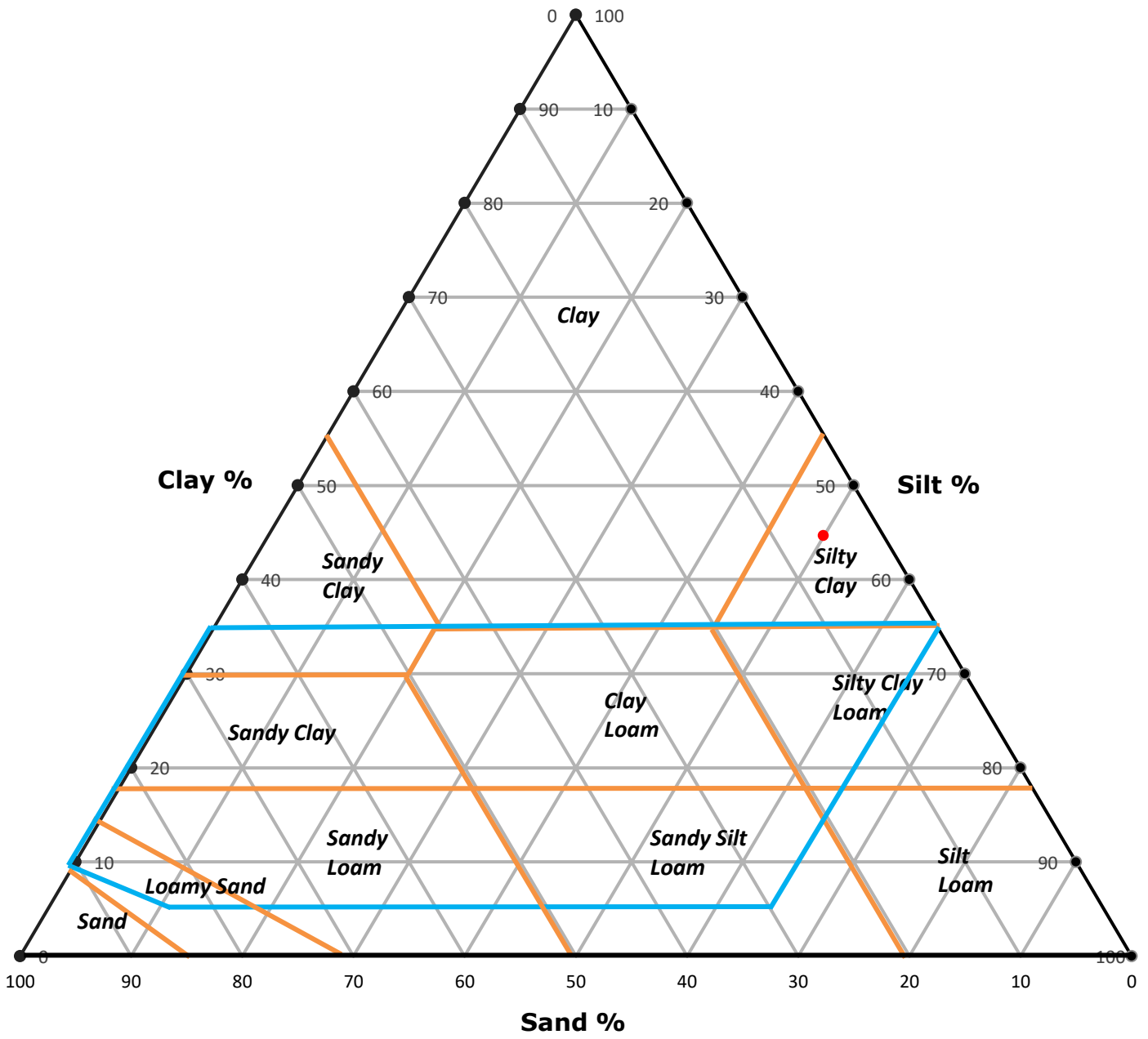
[1] Results are accredited to MCERTS if matrix confirmed as soil
[2] Results in leachate are accredited to ISO17025

Disclaimer: The limits in this report are provided for guidance only and values are transcribed from BS3882:2015

Chemtech Environmental Ltd does not take responsibility for any errors or omissions in the transcription, and all data should be verified by the end user.

Any assessments made are based on the published results from the Laboratory and make no assessment of uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. Method uncertainty levels can be provided independently upon request.

Assessment is outside the scope of the laboratory's UKAS accreditation.



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DECLARATION OF COMPLIANCE (BS3882:2015)

Lab ref	75732	**Date received**	07/11/2025
Contract name	Meridian A&D ALC	**Analysis started**	14/11/2025
Sample ID	BH D.297	**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	42						
Sand content	% w/w	23						
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	-	-	-	-	-	-	-

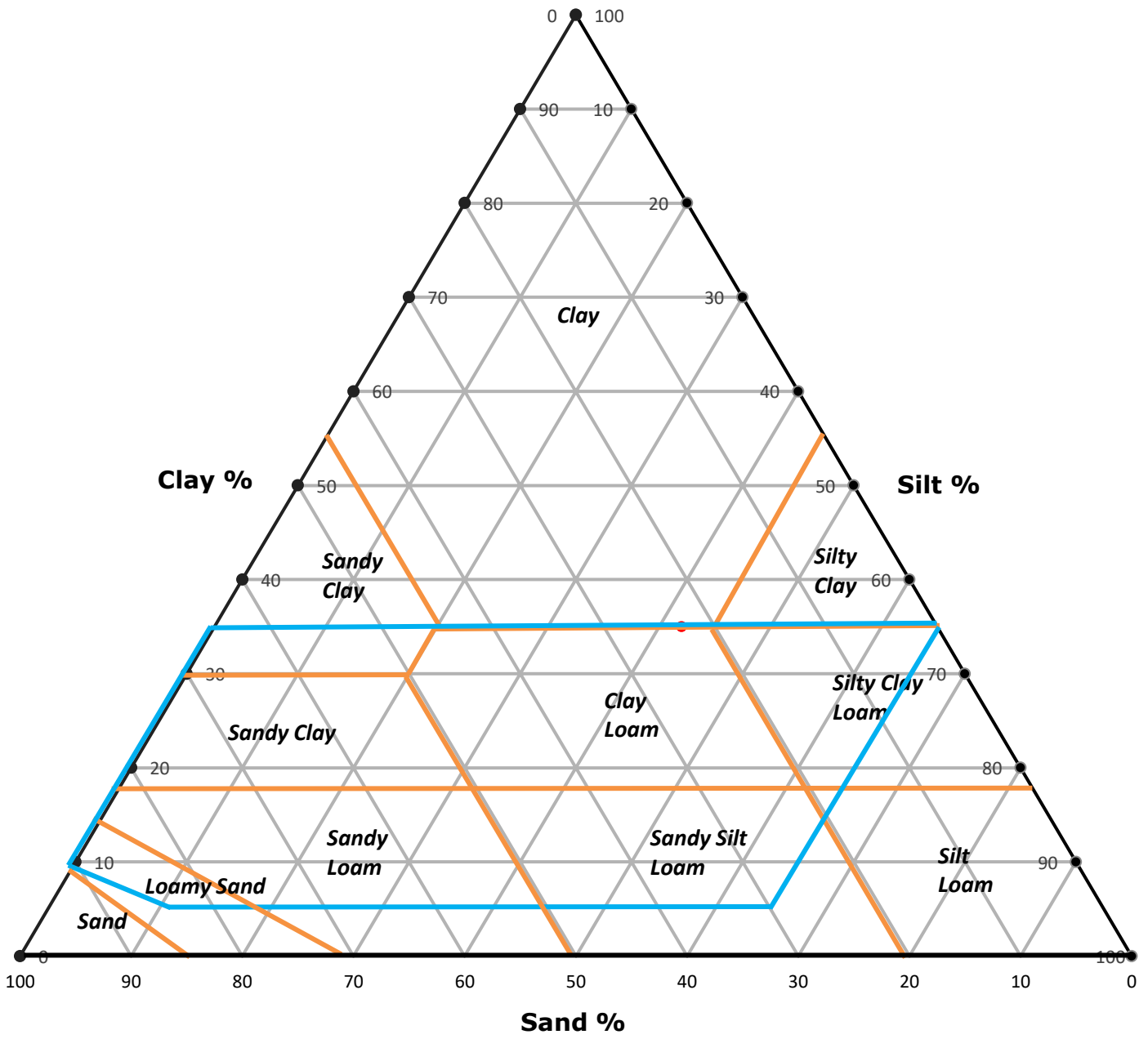
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REPORT INFORMATION

Report No.:25-10958, 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.

This report shall not be reproduced except in full, without prior written approval.

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