Peartree Hill Solar Farm

Environmental Statement

Volume 4

Appendix 10.2: Agricultural Land Classification Report

Planning Act 2008

Infrastructure Planning

(Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(a)

Application Document Ref: EN010157/APP/6.4

February 2025

Prepared by amet PROPERTY on behalf of RWE Renewables UK Solar and Storage LTD

AGRICULTURAL LAND CLASSIFICATION
PEARTREE HILL SOLAR FARM

CLIENT: RWE RENEWABLES UK SOLAR AND STORAGE LTD
PROJECT: PEARTREE HILL SOLAR FARM
DATE: 13TH JANUARY 2025 – ISSUE 5
ISSUED BY: JAMES FULTON MRICS FAAV

CONTENTS

1. EXECUTIVE SUMMARY

1.1 This report assesses the Agricultural Land Classification (ALC) grading of 723.2 hectares of land east of Beverley in East Yorkshire.

1.2 The limiting factor is found to be soil wetness, a combination of the climatic regime, soil water regime and texture of the top 25cm of the soil on the majority of the site and droughtiness on areas where soils are sandy.

1.3 The land is graded as follows:

Block	Total	Grade 1	Grade 2	Grade 3a	Grade 3b	Grade 4	Grade 5	Non-Ag
1	21.5				21.5			
2	259.8	8.6	47.7	29.6	96	76.2		1.7
3	312		38.9	73.8	155.9	35.1		8.3
4	129.9		5.8	17.8	95.8	10.5		
Total	723.2	8.6	92.4	121.2	369.2	121.8	0	10

areas set out above are in hectares

2. INTRODUCTION

2.1 Amet Property Ltd have been instructed by RWE Renewables UK Solar and Storage Ltd to produce an Agricultural Land Classification (ALC) report on a 723.2-hectare site on land to the east of Beverley and north of Hull in East Yorkshire. The ALC report is being prepared to accompany a DCO application to be submitted for a solar farm with associated infrastructure.

2.2 The report's author is James Fulton BSc (Hons) MRICS FAAV who has worked as a chartered surveyor, agricultural valuer, and agricultural consultant since 2004, has a degree in agriculture which included modules on soils and over 10 years' experience in advising farmers on soil structure and cultivation methods and in producing agricultural land classification reports. Additional information on authors experience is found at ***appendix 1***.

2.3 The report is based on site visits conducted by James Fulton and 3 assistant surveyors across 30 man days in September, October and November 2022. During the site visits weather varied significantly with periods of fine sunshine and periods of heavy rain and wind. Soil conditions in September were very dry making subsoil structure difficult to determine in places. Some areas were returned to in order to verify results when conditions were better in October and November as soils were then moist through all profiles and much easier to survey.

2.4 During the inspection 16 trial pits were dug to a depth of 120cm. In addition to the trial pits an auger was used to take approximately one sample per hectare on the proposed development site to a depth of 120cm with smaller trial pits at some of these locations to confirm soil structure and colour where it was not clear from the auger samples. A plan of auger points and trial pit locations can be found at ***appendix 2***. The trial pit locations were selected as they were representative of the soils found on site. Where subsoils were inspected with a spade, descriptions of structure have been recorded based on the soil survey field handbook[1]; where an auger has been used the structure is described as good, moderate or poor based on figure 9,10 and 11 in the MAFF[2] guidance. Colours are described using Munsell Colours[3].

2.5 The surveyed area extends to 723.2 hectares of agricultural land spread across approximately 68 fields (depending on how the boundaries are defined. In order to produce manageable maps, the site has been broken down into areas 1-4; maps of each area can be found at ***appendix 2.***

---

[1] Hodgson, JM (1997) Soil Survey Field Handbook

[2] MAFF (1988) - *Agricultural Land Classification of England and Wales. Revised guidelines and criteria for grading the quality of agricultural land*. MAFF Publications

[3] Munsell Color (2009) Munsell Soil Color Charts

AREA 1

Map 2a is to the southeast of Leven, to the east of the A165 and both north and south of the A1035.

AREA 2

Map 2b is to the south of Leven, south of the A1035, west of the A165 and east of Meaux Lane.

AREA 3

Map 2c is to the south of Routh and the A1035 and to the north of Meaux. It is largely to the west of Meaux Lane with a small area to the east of Meaux Lane.

AREA 4

Map 2d includes a small area just to the east of Weel and a larger area to the south of Meaux on both the east and west of Meaux Lane.

2.6 Further information has been obtained from the MAGIC website, the Soil Survey of England and Wales, the British Geological Survey, the Meteorological Office and 1:250,000 series Agricultural Land Classification maps.

2.7 The collected information has been judged against the Ministry of Agriculture Fisheries and Food Agricultural Land Classification of England and Wales revised guidelines and criteria for grading the quality of agricultural land.

2.8 The principal factors influencing agricultural production are climate, site and soil and the interaction between them MAFF (1988) & Natural England (2012)[4].

2.9 The report is prepared and formatted considering the latest BSSS guidance[5].

[4] MAFF (1988) - *Agricultural Land Classification of England and Wales. Revised guidelines and criteria for grading the quality of agricultural land*. MAFF Publications

Natural England (2012) - *Technical Information Note 049 - Agricultural Land Classification: protecting the best and most versatile agricultural land*, Second Edition

[5] BSSS (2022) Working with Soil Guidance Note on Assessing Agricultural Land Classification Surveys in England and Wales

3. PUBLISHED INFORMATION

3.1 The British Geological Survey 1:50,000 scale map has been used to identify the Bedrock Geology and Superficial deposits across the survey area:

AREA 1

Bedrock Geology across the whole of Area A is recorded as Flamborough Chalk Formation – Chalk. Superficial deposits across the majority of Area A are recorded as Till, Devensian – Dimaicton with some smaller areas to the north and east recorded as having Glaciofulvial Deposits, Devenisan – Sand and Gravel and Alluvium – Clay, silt, sand and gravel.

AREA 2

Bedrock Geology across the whole of Area B is recorded as Flamborough Chalk Formation – Chalk. The area to the west of monk dike and north of Riston Grange and the south of the block is recorded as having superficial deposits of Alluvium – Clay, silt, sand and gravel. The land to the east of the dike, south of Riston Grange is more varied with areas recorded as having superficial deposits of Glaciofluvial deposits, Devensian – Sand and Gravel and Till Devensian – Diamicton.

AREA 3

Bedrock Geology across the whole of Area C is recorded as Flamborough Chalk Formation – Chalk. Superficial deposits of Till, Devensian – Diamicton; Alluvium – Clay, silt, sand and gravel and glaciofluvial deposits can be found across Area C.

AREA 4

Bedrock Geology across the whole of Area D is recorded as Flamborough Chalk Formation – Chalk. The Superficial deposits on Area D are recorded as Till, Devensian – Diamicton.

3.2 The soil survey of England and Wales maps identify the soil association across the site as:

AREA 1

Identified mainly as Bishampton 1 Association – Deep fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging with an area to the north east identified as Downholland 3 Association – Deep stony clayey soils with peaty or humose surface horizon.

AREA 2

The north and south of the site are identified as Downholland 3 Association – Deep stony clayey soils with peaty or humose surface horizon with an area in the middle identified as Blackwood Association – Deep permeable sandy and coarse loamy soils.

AREA 3

Land to the north and west are identified as Downholland 3 Association – Deep stony clayey soils with peaty or humose surface horizon while the area to the east and south is identified as Holderness Association – Slowly permeable seasonally waterlogged fine loamy soils and similar soils with slight waterlogging

AREA 4

The land to the north of the western block is identified as Downholland 3 Association – Deep stony clayey soils with peaty or humose surface horizon. The land to the south of the western block and the east of the eastern block is identified as Holderness Association – Slowly permeable seasonally waterlogged fine loamy soils and similar soils with slight waterlogging while the area to the west of the eastern block is identified as Wallasea 1 Association – Deep stoneless calcareous and non-calcareous clayey soils.

3.3 The 1:250,000 series Agricultural Land Classification maps show the land to be:

AREA 1 – To the north of the A1035 is shown as Grade 3, south of the road is shown to be Grade 2.

AREA 2 – Mostly identified as Grade 3 with a small area to the south identified as Grade 2.

AREA 3 – Land to the west recorded as Grade 3 with land nearer to Meaux Lane recorded as Grade 2

AREA 4 – Land identified as Grade 3.

These plans are of strictly limited value, using an out-of-date methodology at a very small scale (low detail) level of survey. Further information on the limits of their use can be found in TIN049.

4. CLIMATE

4.1 Climate has a major, and in places overriding, influence on land quality affecting both the range of potential agricultural uses and the cost and level of production.

4.2 There is published agro-climatic data for England and Wales provided by the Meteorological Office, such data for the subject site is listed in the table below.

Agro-Climatic Data – Full details can be found at ***appendix 3***

AREA 1

Grid Reference	511744 443863
Altitude (ALT)	3.42
Average Annual Rainfall (AAR)	639
Accumulated Temperature - Jan to June (ATO)	1391
Duration of Field Capacity (FCD)	144
Moisture Deficit Wheat	106
Moisture Deficit Potatoes	98

AREA 2

Grid Reference	510786 441260
Altitude (ALT)	1.65
Average Annual Rainfall (AAR)	638
Accumulated Temperature - Jan to June (ATO)	1394
Duration of Field Capacity (FCD)	143
Moisture Deficit Wheat	108
Moisture Deficit Potatoes	100

AREA 3

Grid Reference	508691 440739
Altitude (ALT)	2.22
Average Annual Rainfall (AAR)	640
Accumulated Temperature - Jan to June (ATO)	1394
Duration of Field Capacity (FCD)	144
Moisture Deficit Wheat	108
Moisture Deficit Potatoes	100

AREA 4

Grid Reference	508047 438997
Altitude (ALT)	1.16
Average Annual Rainfall (AAR)	641
Accumulated Temperature - Jan to June (ATO)	1396
Duration of Field Capacity (FCD)	144
Moisture Deficit Wheat	109
Moisture Deficit Potatoes	101

4.3 The main parameters used in assessing the climatic limitation are average annual rainfall (AAR), as a measure of overall wetness; and accumulated temperature (ATO), as a measure of the relative warmth of a locality.

4.4 The AAR and ATO provide no climatic limitation to grade.

4.5 Large areas of the site are shown to be in Flood Zone 2 – areas with between a 1 in 100 and 1 in 1000 annual chance of flooding and Flood Zone 3 – areas with greater than 1 in 100 annual chance of flooding. The whole area appears to be mechanically drained and there was no evidence of flooding seen during the site visit and it is considered that flood risk will not result in a limitation to land grade.

5. STONINESS

5.1 There were some small areas of stone found on site but these were very limited and at no point were there stones of sufficient size or quantity to limit land grade. Despite the British geological survey mapping showing that areas A and C have bedrock geology of Flamborough chalk formation the stones found in these (and all other) areas of the site were found to be hard (i.e. could not be scratched by a finger nail) and are more likely the result of the superficial deposits also identified in these areas. Further information can be found in trial pit descriptions at ***appendix 4***.

6. GRADIENT AND MICRORELIEF

6.1 All of the sample points are either just above or just below sea level. There is very little elevation change across the site with the gradient largely described as flat and occasionally gently sloping. There is no microrelief of gradient that will impact land grade.

7. SOILS

7.1 The soils found on site largely follow the expectations set by the national soils map. Full information on the sample points along with trial pit descriptions and photographs and lab test results can be found at ***appendix 4***.

AREA 1

The most northerly field and some small areas in the middle of the patch south of the road was found to be a dark greyish brown (10YR 4/2) medium sandy loam topsoil over a loamy sand subsoil.

The westerly field north of the A1035 and small areas to the west of the block south of the A1035 is dark greyish brown (10YR 4/2) topsoil that was either sandy clay loam, heavy clay loam or clay. The upper subsoil was generally a moderately structured brown (7.5YR 4/3, 7.5YR 4/4 and 10YR 5/3) clay or clay loam with a poorly structured grey (7.5YR 5/1, 10YR 5/1).

The land south of the road is largely dark greyish brown (10YR 4/2) sandy clay loam or heavy clay loam topsoil with dark grey (10YR 4/1), greyish brown (10YR 5/2) or brown (10YR 5/3) poorly structured clay or clay loam upper subsoil with poorly structured grey (10YR 5/1) clay lower subsoil.

AREA 2

There is a huge amount of variation in this area, often over very small distances. This description is of the trends found.

A small area to the north of the site and the land roughly to the south of the access track past Arnold Grange is very dark grey (10YR 3/1), or very dark greyish brown (10YR 3/2) clay, organic clay, heavy clay loam, organic heavy clay loam or organic sandy clay loam topsoil over poorly structured dark grey (10YR 4/1), or grey (10YR 5/1 and 10YR 6/1) clay, organic clay or clay loam

upper and lower subsoils. Occasionally there is a lower subsoil that is still grey in colour but with a loamy sand subsoil.

The area through the centre of the site varies most significantly over short distances with small areas of organic clay soils like those found to the north and south with larger areas of brown (10YR 4/3) loamy medium sand or medium sandy loam topsoil dark brown (10YR 3/3), brown (10YR 4/3 and 10YR 5/3), or grey (10YR 5/1) moderately structured loamy sand or sandy loam upper subsoil. There is often a lower subsoil which varies in texture from sand to clay often between 100m sample points and back again.

AREA 3

The fields to the north around the chicken sheds are a very dark grey (7.5YR 3/1) sandy clay loam topsoil over brown (10YR 5/3), or dark greyish brown (10YR 4/2) poorly structured upper subsoil and greyish brown (10YR 5/2) poorly structured sandy clay lower subsoil.

The rest of Area 3 is largely similar to the soils found in Area B.

AREA 4

The block that is to the east of Weel is relatively consistent being a very dark greyish brown (10YR 3/2) medium clay loam over a brown (10YR 5/3) poorly structured clay loam subsoil. In some locations there is a dark greyish brown, moderately structured upper subsoil over the poorly structured brown lower subsoil.

The land in the north-west of the block west of Meaux Lane is either organic clay topsoil over poorly structured clay subsoil as found in areas B and C or is the same organic clay topsoil over Black (10YR 2/1) peaty loam subsoil.

Nearer to the road and to the south of the site the topsoil is Dark greyish brown (10YR 4/2) heavy clay loam over brown (7.5YR 5/3) poorly structured clay subsoil.

All Areas

Across much of the site the topsoil is very similar to the upper subsoil and in several locations, there is very little change between the surface and the full survey depth. Based on discussions with some of the farmers on site it is likely that these areas have suffered significant erosion over the years and there is none of the original topsoil left.

INTERACTIVE FACTORS

8. WETNESS

8.1 An assessment of the wetness class of each sample point was made based on the flow chart at Figure 6 in the MAFF guidance. The wetness class and topsoil texture were then assessed against Table 6 of the MAFF guidance where there was a mineral topsoil or table 7 of the MAFF guidance where there was an organic mineral topsoil to determine the ALC grade according to wetness. The wetness assessment can be found at ***appendix 4***.

8.2 The wetness limitation is extremely variable across the survey area with areas ranging from wetness class I to wetness class IV. While there is some variation in the number of field capacity days across the different blocks, they are similar enough that this does not materially affect wetness.

8.3 Where there is no slowly permeable layer and no gleyed horizon Figure 6 gives wetness class I.

8.4 Where there is a gleyed horizon starting between 40 and 70cm figure 8 indicates that where there is a slowly permeable layer starting at deeper than between 48 and 52cm (depending on area) it is wetness class II and a slowly permeable layer less than 48-52cm gives wetness class III.

8.5 Where there is a gleyed horizon starting at less than 40cm figure 7 indicates that where there is a slowly permeable layer starting at deeper than 66-70cm (depending on area) it is wetness class II, where the slowly permeable layer starts at between 38-40cm and 66-70cm it is wetness class III and a slowly permeable layer less than 38-40cm gives wetness class IV.

8.6 Having identified the wetness class, for the mineral soils column 2 of table 6 is used to determine land grade while for the organic mineral soils column 2 of table 7 is used.

9. DROUGHTINESS

9.1 Droughtiness limits are defined in terms of moisture balance for wheat and potatoes using the formula:

MB (Wheat) = AP (Wheat) - MD (Wheat)

and

MB (Potatoes) = AP (Potatoes) - MD (Potatoes)

Where:
MB = Moisture Balance
AP = Crop Adjusted available water capacity
MD = Moisture deficit

9.2 Moisture deficit for wheat and potatoes can be found in the agro-climatic data and are as follows:

Area A
MD (Wheat) = 106
MD (Potatoes) = 98

Area B
MD (Wheat) = 108
MD (Potatoes) = 100

Area C
MD (Wheat) = 108
MD (Potatoes) = 100

Area D
MD (Wheat) = 109
MD (Potatoes) = 101

Area E
MD (Wheat) = 106
MD (Potatoes) = 98

9.3 Crop adjusted available water is calculated by reference to the total available water and easily available water which is calculated by reference to soil texture and structural condition and the stone content.

9.4 The moisture balance was calculated for the trial pit locations and locations where droughtiness was considered to be a potential limiting factor. This assessment can be found at ***appendix 4***.

9.5 Where soils were sandy droughtiness was sometimes found to be the most limiting factor.

10. AGRICULTURAL LAND CLASSIFICATION

10.1 The Agricultural Land Classification provides a framework for classifying land according to which its physical or chemical characteristics impose long-term limitations on agricultural use. The limitations can operate in one or more of four principle ways: they may affect the range of crops that can be grown, the level of yield, the consistency of yield and the cost of obtaining it.

10.2 The principle physical factors influencing agricultural production are climate, site and soil and the interactions between them which together form the basis for classifying land into one of 5 grades; grade 1 being of excellent quality and grade 5 being land of very poor quality. Grade 3 land, which constitutes approximately half of all agricultural land in the United Kingdom is divided into 2 subgrades – 3a and 3b. A full definition of all of the grades can be found at ***appendix 5.***

10.3 This assessment sets out that the site is limited by both wetness and droughtiness.

10.4 The breakdown of land by classification is:

Block	Total	Grade 1	Grade 2	Grade 3a	Grade 3b	Grade 4	Grade 5	Non-Ag
1	21.5				21.5			
2	259.8	8.6	47.7	29.6	96	76.2		1.7
3	312		38.9	73.8	155.9	35.1		8.3
4	129.9		5.8	17.8	95.8	10.5		
Total	723.2	8.6	92.4	121.2	369.2	121.8	0	10

areas set out above are in hectares

10.5 A plan of the land grading can be found at ***appendix 6***.

Appendix 1 – Details of the Authors Experience

James Fulton

Professional Education and Qualifications

BSc (Hons) Agriculture, University of Nottingham (2004)

Member of the Royal Institution of Chartered Surveyors (MRICS) (2008)

Fellow of the Central Association of Agricultural Valuers (FAAV) (2009)

Relevant Work Experience

While working for a regional firm from 2004 until 2016 as part of my work I provided advice to farmers on soils, cultivation techniques and cropping and was involved in field trials which assessed cropping and cultivation techniques and how they impacted soil structure. At the same time I worked alongside an experienced surveyor who produced Agricultural Land Classification reports and I received training in field survey techniques and the ALC process to the point where I was able to produce ALC reports.

In 2016 I left my employer and formed Amet Property Ltd providing development consultancy and other rural practice surveying services. Of all of the services that we provide Agricultural Land Classification reports is the single largest area of work accounting for approximately 70% of all of my working time.

While I am not a member of the BSSS I meet the minimum competencies set out by the BSSS in Document 1 *Foundation skills in field soil investigation, description and interpretation* and Document 2 *Agricultural Land Classification (England and Wales)*

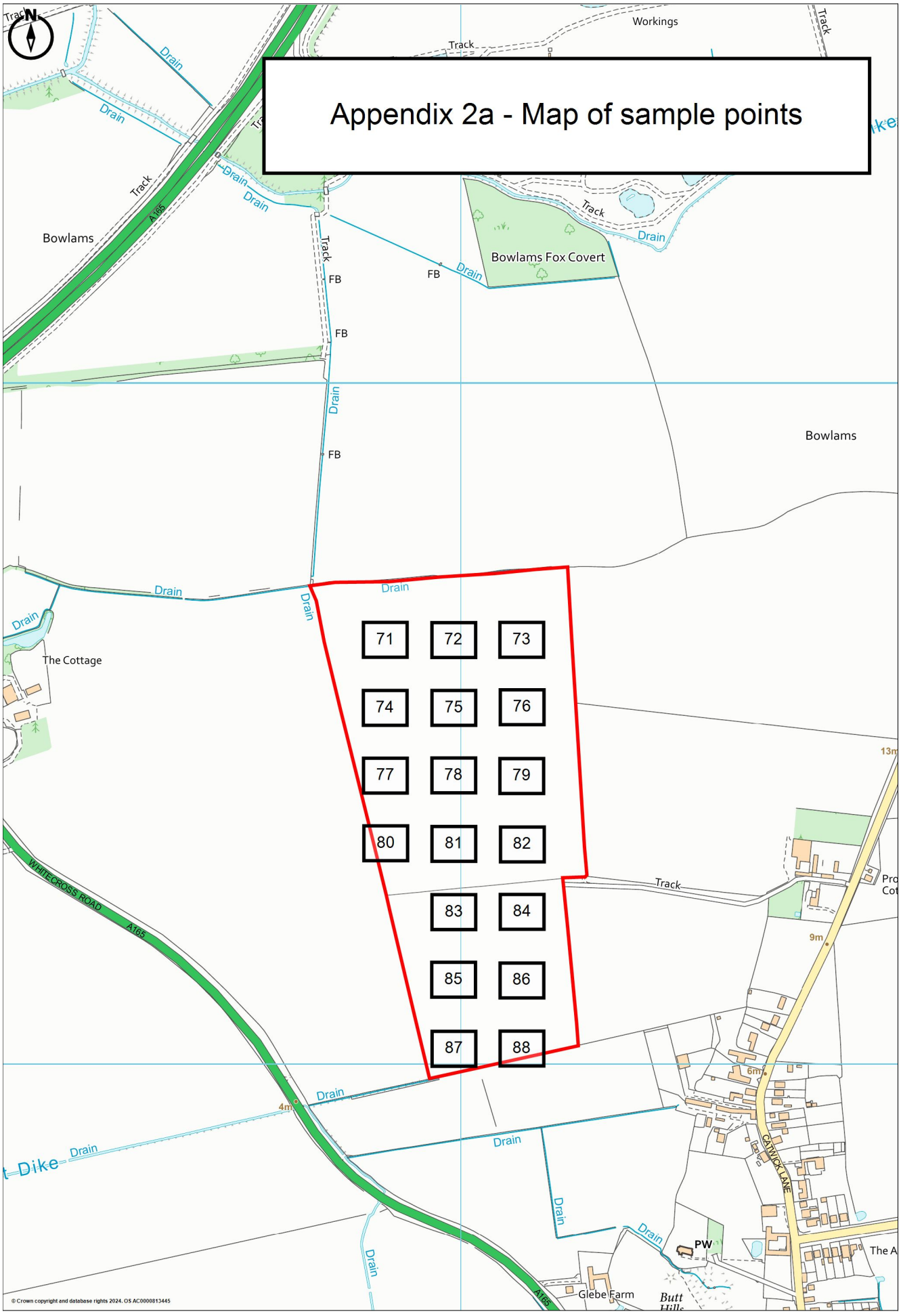
Professional Standards

As a member of the Royal Institution of Chartered Surveyors and Fellow of the Central Association of Agricultural Valuers I am bound by their professional standards and am only able to carry out work where I am suitably qualified and experienced to do so. Due to the formal and practical training that I have received I am able to competently produce Agricultural Land Classification reports.

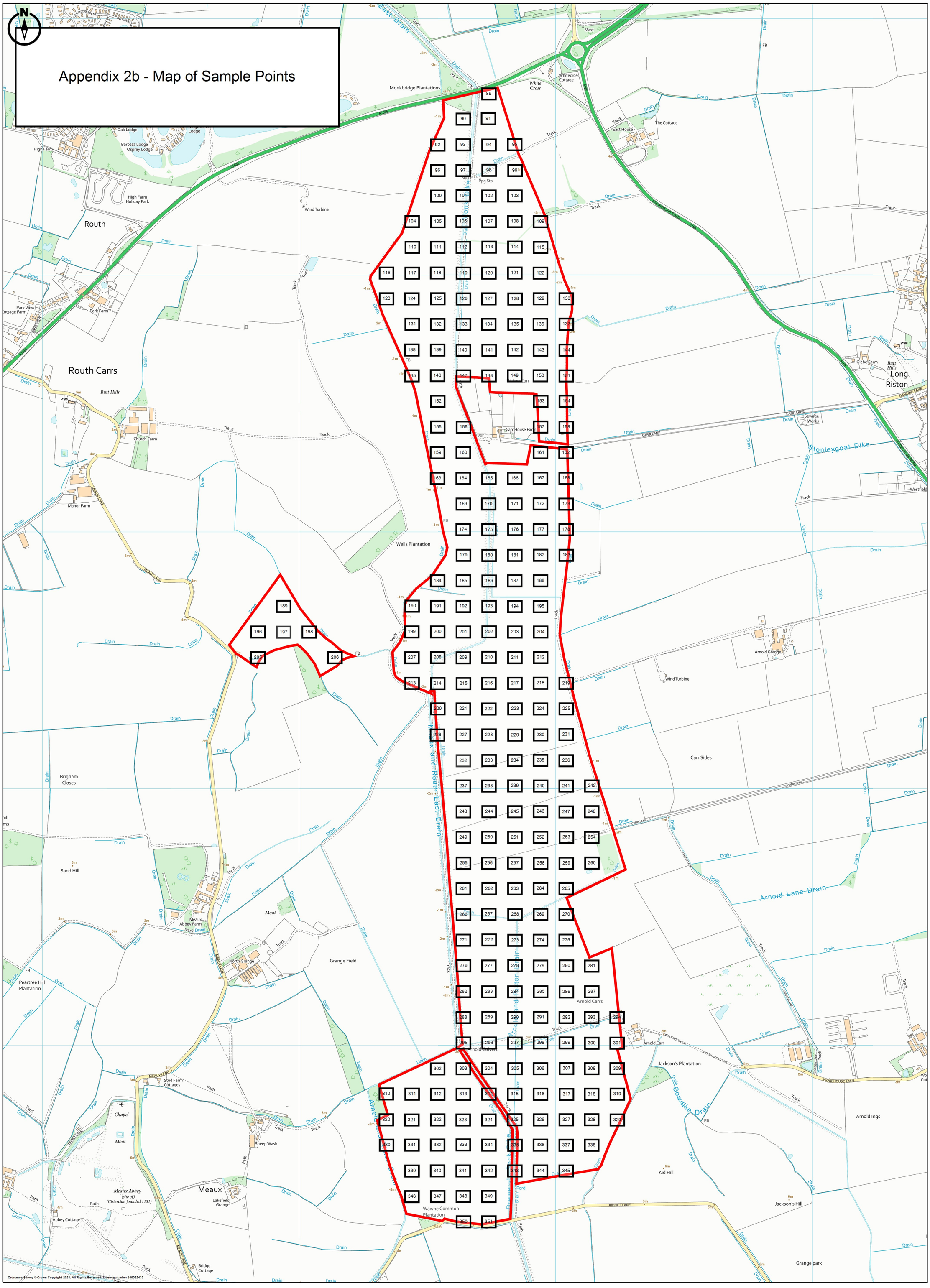
Assistant Surveyors

The BSSS acknowledges a significant lack of suitably qualified individuals able to produce ALC reports and so I have trained individuals to meet the requirements of BSSS Document 1 *Foundation skills in field soil investigation, description, and interpretation.*

Appendix 2a - Map of sample points



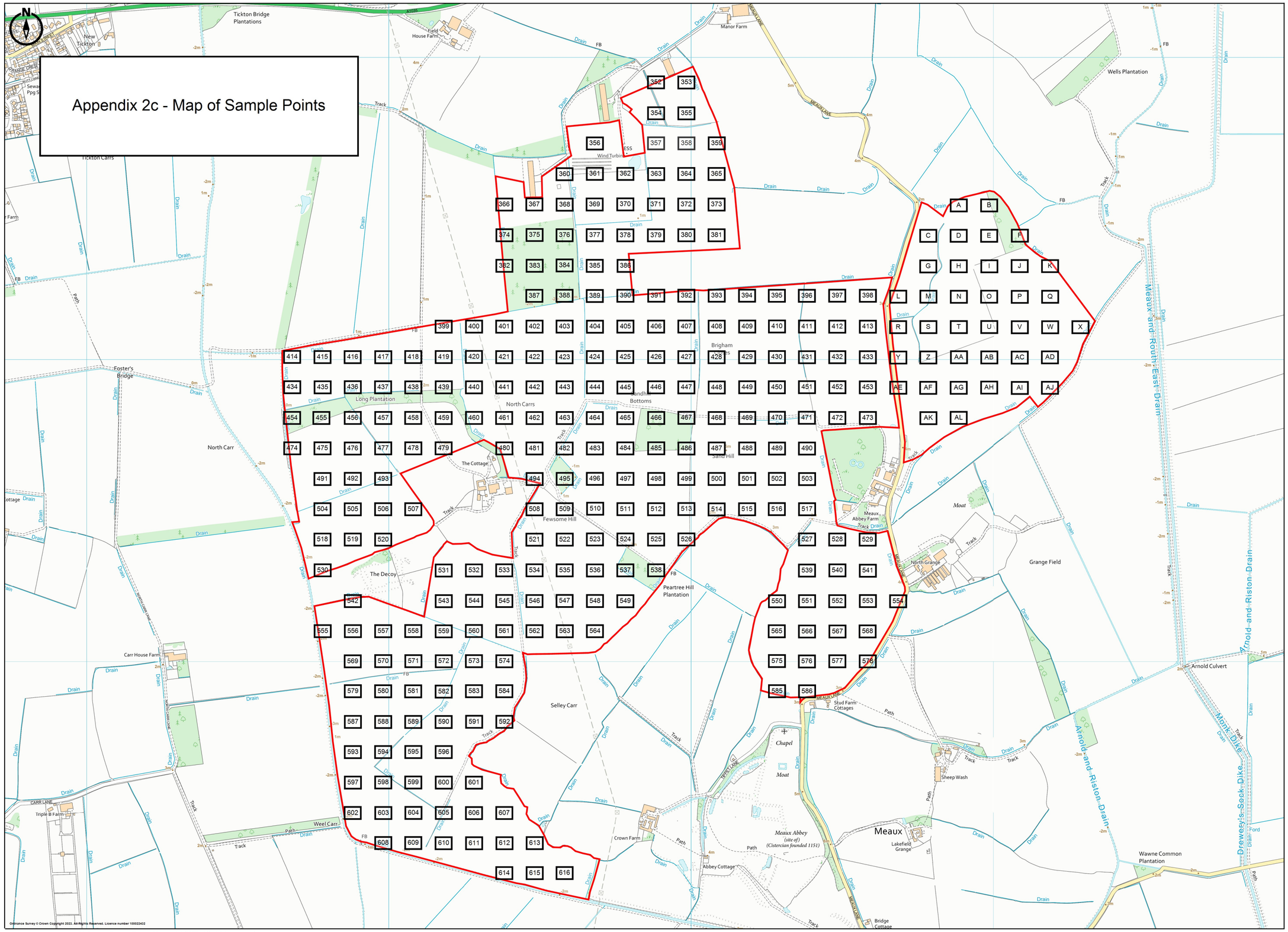
Appendix 2b - Map of Sample Points



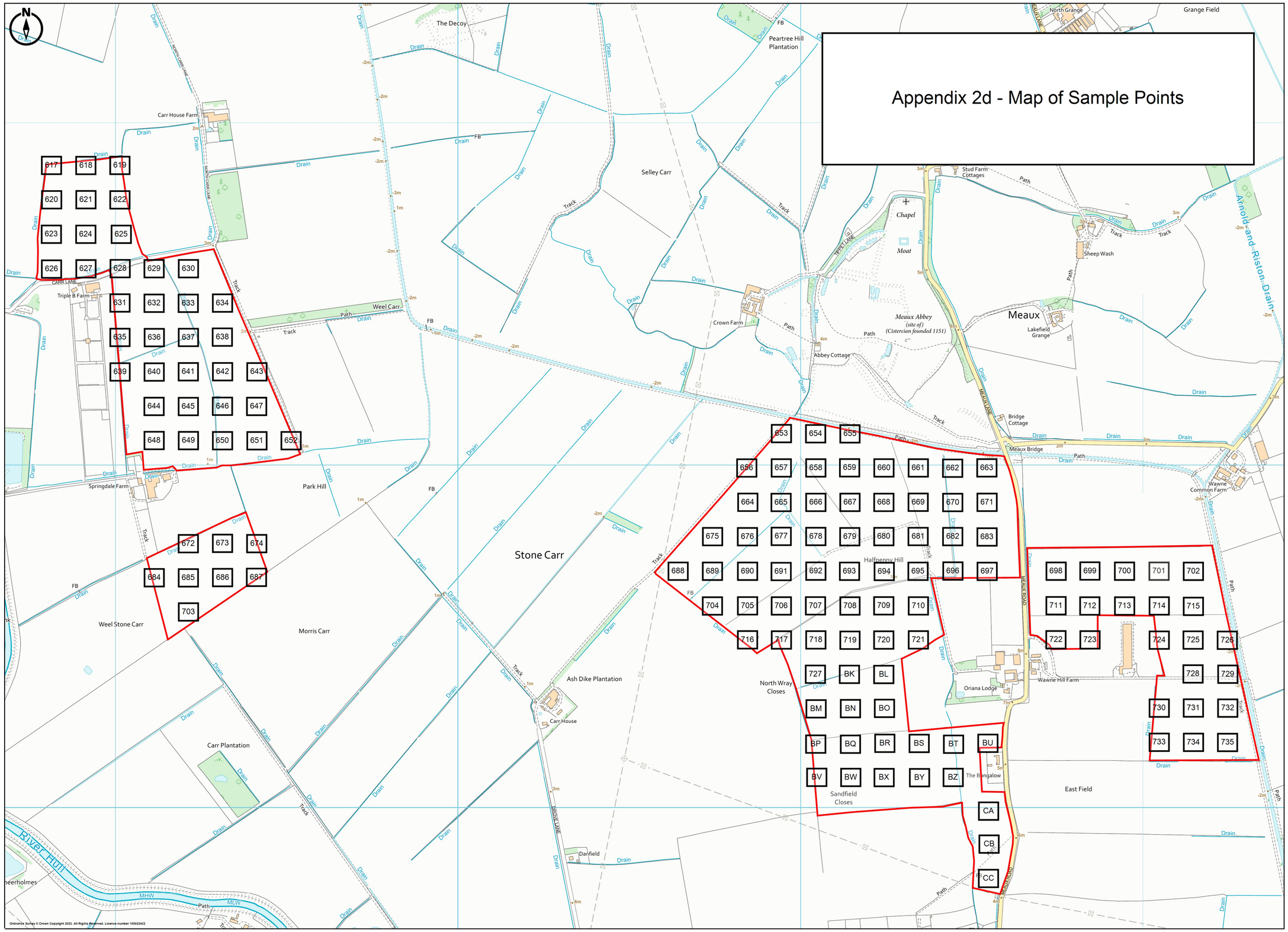
Promap
LANDMARK INFORMATION

Ordnance Survey Crown Copyright 2023. All rights reserved.
Licence number 100022432.
Plotted Scale - 1:10000. Paper Size - A2

Appendix 2c - Map of Sample Points



Appendix 2d - Map of Sample Points



Appendix 3 – Climatic Data

Site Details: Riston A

Grid reference (centre of site): 511744 443863

Altitude: Mean 3.42m AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
51004400	4	640	0.6	325	1392	2370	108	100	143
51004450	5	644	0.7	335	1389	2367	105	97	147
51504400	10	629	0	330	1384	2364	106	98	139
51504450	17	634	0.2	325	1374	2352	106	98	142

Altitude Adjusted

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
51004400	639.65	1392.66	142.95	108.08	100.11	13.59%
51004450	642.89	1390.80	146.84	105.24	97.32	56.32%
51504400	629.00	1391.50	139.00	106.68	98.90	9.56%
51504450	631.28	1389.48	141.61	107.58	100.10	20.52%

Site Details: Riston B

Grid reference (centre of site): 510786 441260

Altitude: Mean 1.65m AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
51004400	4	640	0.6	325	1392	2370	108	100	143
51004450	5	644	0.7	335	1389	2367	105	97	147
51504400	10	629	0	330	1384	2364	106	98	139
51504450	17	634	0.2	325	1374	2352	106	98	142

Altitude Adjusted

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
51004400	638.59	1394.68	142.80	108.34	100.45	74.94%
51004450	641.66	1392.82	146.66	105.51	97.67	11.32%
51504400	629.00	1393.52	139.00	106.86	99.14	8.54%
51504450	630.93	1391.50	141.56	107.79	100.38	5.21%

Site Details: Riston C

Grid reference (centre of site): 508691 440739

Altitude: Mean 2.21m AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
50504400	4	649	1	325	1393	2369	108	100	149
50504450	4	639	1.4	335	1391	2367	105	97	149
51004400	4	640	0.6	325	1392	2370	108	100	143
51004450	5	644	0.7	335	1389	2367	105	97	147

Altitude Adjusted

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
50504400	647.22	1395.03	148.74	108.31	100.40	11.86%
50504450	636.50	1393.03	148.64	105.36	97.47	5.29%
51004400	638.93	1394.03	142.85	108.26	100.34	74.39%
51004450	642.05	1392.17	146.72	105.42	97.56	8.46%

Site Details: Riston D

Grid reference (centre of site): 508047 438997

Altitude: Mean 1.16m AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
50504350	6	655	0.9	325	1393	2369	108	100	146
50504400	4	649	1	325	1393	2369	108	100	149
51004350	6	640	0.6	320	1392	2370	109	101	141
51004400	4	640	0.6	325	1392	2370	108	100	143

Altitude Adjusted

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
50504350	650.64	1398.52	145.37	108.80	101.05	10.03%
50504400	646.16	1396.24	148.59	108.49	100.64	24.62%
51004350	637.10	1397.52	140.58	109.70	101.92	12.80%
51004400	638.30	1395.24	142.75	108.41	100.54	52.55%

Site Details: Riston E

Grid reference (centre of site): 506910 446787

Altitude: Mean -0.42m AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
50504450	4	639	1.4	335	1391	2367	105	97	149
50504500	4	648	1.7	340	1389	2365	104	95	151
51004450	5	644	0.7	335	1389	2367	105	97	147
51004500	5	660	0.8	330	1387	2365	106	98	151

Altitude Adjusted

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
50504450	632.82	1396.04	148.11	105.89	98.16	42.18%
50504500	640.49	1394.04	149.91	104.98	96.28	20.65%
51004450	640.21	1395.18	146.45	105.82	98.08	22.65%
51004500	655.67	1393.18	150.37	106.86	99.13	14.52%

Appendix 4a - Auger Sample Assessment

		Topsoil					Upper Subsoil					Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	most limiting factor
1	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 4/4	10%		Moderate	50-120	LcS	10YR 5/1		FO	Moderate			I	1	-0.66	-17.55	3a	3a
2	4	0-35	mSL	10YR 4/2	5%		35-70	LcS	10YR 4/3	10%		Moderate	70-120	C	5YR 4/4		CB	Poor	70	70	II	1	6.46	-15.17	3a	3a
3	2	0-25	SCL	10YR 4/2	10%		25-60	CL	7.5YR 4/4			Moderate	60-70	C	7.5YR 5/1		MO	Poor	60	60	II	2	12.89	-0.9	2	2
4	4	0-35	HCL	10YR 4/2			35-50	C	10YR 5/2		CO	Poor	50-120	C	10YR 5/1		MO	Poor	35	35	IV	3b				3b
5	3	0-30	SCL	10YR 4/2	5%		30-50	CL	7.5YR 4/3			Moderate	50-120	C	10YR 5/1		MO	Poor	50	50	II	2				2
6	3	0-30	SCL	10YR 4/2	5%		30-70	CL	7.5YR 4/4			Moderate	70-80	C	7.5YR 5/1		MO	Poor	70	70	II	2				2
7	2	0-25	SCL	10YR 4/2	10%		25-60	CL	7.5YR 4/4			Moderate	60-80	C	7.5YR 5/1		MO	Poor	60	60	II	2				2
8	2	0-35	C	7.5YR 5/2			35-60	CL	5YR 5/4			Moderate	60-120	mSL	5YR 5/6			Moderate			I	3a				3a
9	3	0-30	HCL	10YR 4/2			30-60	C	10YR 4/2		FO	Poor	60-120	C	10YR 5/2		CO	Poor	30	30	IV	3b				3b
10	4	0-30	HCL	10YR 4/2			30-60	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
11	3	0-30	SCL	10YR 4/2	5%		30-50	CL	7.5YR 4/3			Moderate	50-120	C	10YR 5/1		MO	Poor	50	50	II	2				2
12	3	0-30	SCL	10YR 4/2	5%		30-50	CL	7.5YR 4/3			Moderate	50-120	C	10YR 5/1		MO	Poor	50	50	II	2				2
71	3	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
72	3	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
73	4	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
74	4	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
75	3	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
76	3	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
77	4	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
78	5	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
79	4	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
80	3	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
81	4	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	Poor	70-120	CL	10YR 5/1		MO	Poor	25	25	IV	3b				3b
82	3	0-25	SCL	10YR 4/2	<5%		25-70	CL	10YR 5/3		MO	CAB	70-120	CL	10YR 5/1		MO	Poor	35	35	IV	3b				3b
83	4	0-25	SCL	10YR 4/3	<5%		25-120	C	10YR 5/1		COB	Poor							25	25	IV	3b				3b
84	3	0-25	SCL	10YR 4/3	<5%		25-90	C	10YR 4/1		COB	Poor	90-120	SC	10YR 5/3		FOB	Poor	25	25	IV	3b				3b
85	3	0-25	SCL	10YR 4/3	<5%		25-120	C	10YR 5/1		COB	Poor							25	25	IV	3b				3b
86	3	0-25	SCL	10YR 4/3	<5%		25-90	C	10YR 4/1		COB	WMAB	90-120	SC	10YR 5/3		FOB	Poor	25	25	IV	3b				3b
87	3	0-25	SCL	10YR 4/3	<5%		25-120	C	10YR 5/1		COB	Poor							25	25	IV	3b				3b
88	4	0-30	SCL	10YR 4/3	<5%		30-60	C	10YR 4/1		COB	Poor	60-120	SC	10YR 5/3		FOB	Poor	30	30	IV	3b				3b

Appendix 4b - Auger sample assessment

		Topsoil					Upper subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	by most limiting factor
89	1	0-30	Org SC	10YR 3/2	<5%		30-70	LmS	10YR 5/6			Moderate	70-120	C	10YR 4/1	<5%	COB	Poor	70	30	III	3a	20.01	-3.22	2	3a
90	1	0-25	Org C	10YR 2/1			25-80	Org C	10YR 4/1			WMAB	80-120	C	10YR 5/1		MO	Massive	25	25	IV	4				4
91	1	0-30	Org SC	10YR 3/2	<5%		30-70	mSL	5YR 3/2		FO	Moderate	70-120	mSL	10YR 4/3	<5%	COB	Moderate			I	2	68.01	28.78	1	2
92	2	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	CAB	70-120	mS	7.5YR 4/6		MO	Massive		25	I	1	4.01	-17.22	3a	3a
93	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	C Prism							25	25	IV	4				4
94	1	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
95	-1	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
96	2	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	Moderate	70-120	mS	7.5YR 4/6		MO	Moderate		25	I	1	4.01	-17.22	3a	3a
97	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	C Prism							25	25	IV	4				4
98	0	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
99	-1	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
100	1	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	Moderate	70-120	mS	7.5YR 4/6		MO	Moderate		25	I	1	4.01	-17.22	3a	3a
101	3	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	C Prism							25	25	IV	4				4
102	1	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
103	-1	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
104	1	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	Moderate	70-120	mS	7.5YR 4/6		MO	Moderate		25	I	1	4.01	-17.22	3a	3a
105	2	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	Moderate	70-120	mS	7.5YR 4/6		MO	Moderate		25	I	1	4.01	-17.22	3a	3a
106	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
107	0	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
108	0	0-30	Org SC	10YR 3/2	5%		30-120	C	10YR 4/1		MOB	Poor							30	30	IV	4				4
109	-1	0-30	Org SC	10YR 3/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	4				4
110	1	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	Moderate	70-120	mS	7.5YR 4/6		MO	Moderate		25	I	1	4.01	-17.22	3a	3a
111	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
112	3	0-25	mSL	10YR 4/2	5%		25-40	mSL	10YR 3/2	10%	FO	MAB	40-60	LmS	10YR 5/1	20%	MO	C Platy	60	40	II	2	15.51	-2.72	2	2
113	1	0-30	mSL	10YR 4/2	5%		30-70	LmS	10YR 5/1	10%	CO	Moderate	70	IMP						30	I	1	-28.99	-17.22	3b	3b
114	0	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
115	0	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
116	2	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	Moderate	70-120	mS	7.5YR 4/6		MO	Moderate		25	I	1	4.01	-17.22	3a	3a
117	3	0-25	mSL	10YR 4/2	5%		25-70	LmS	10YR 5/1	20%	CO	Moderate	70-120	mS	7.5YR 4/6		MO	Moderate		25	I	1	4.01	-17.22	3a	3a
118	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
119	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
120	1	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
121	0	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
122	1	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
123	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
124	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
125	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
126	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
127	1	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
128	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
129	0	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
130	-1	0-30	Org SC	10YR 3/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	4				4
131	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
132	4	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
133	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
134	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
135	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
136	1	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
137	1	0-30	Org SC	10YR 3/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	4				4
138	2	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
139	2	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
140	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
141	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
142	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
143	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
144	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
145	2	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
146	2	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	CAB	40-120	mS	10YR 5/6		MO	MAB			I	1	-20.99	-24.22	3b	3b
147	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
148	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
149	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
150	4	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
151	4	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
152	2	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
153	1	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
154	1	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
155	4	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
156	4	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
157	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
158	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
159	3	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
160	3	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
161	4	0-30	mSL	7.5YR 4/3			30-120	LmS	10YR 4/4			Moderate									I	1	3.01	-13.22	3a	3a

		Topsoil					Upper subsoil					Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	by most limiting factor
162	5	0-30	HCL	10YR 4/3			30-70	mSL	10YR 5/6			Moderate	70-120	mS	10YR 5/6		COB	Moderate			I	2	33.01	13.78	1	2
163	3	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
164	4	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	C Prism							25	25	IV	4				4
165	3	0-30	mSL	10YR 4/3			30-80	CL	10YR 4/2		COB	Poor	80-120	C	10YR 4/1		MO	Poor	30	30	IV	3a				3a
166	5	0-30	mSL	10YR 4/3			30-80	CL	10YR 4/2		COB	Poor	80-120	C	10YR 4/1		MO	Poor	30	30	IV	3a				3a
167	3	0-30	mSL	10YR 4/3			30-80	CL	10YR 4/2		COB	Poor	80-120	C	10YR 4/1		MO	Poor	30	30	IV	3a				3a
168	2	0-30	HCL	10YR 4/3			30-50	C	10YR 4/2		CO	Moderate	50-120	C	10YR 5/1		COB	Poor	30	30	IV	3b				3b
169	3	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
170	2	0-30	mSL	10YR 4/3			30-80	LmS	10YR 5/3		CO	Moderate	80	IMP						30	I	1	-20.99	-13.22	3b	3b
171	3	0-30	mSL	10YR 4/3			30-70	LmS	10YR 5/3		CO	Moderate	70	IMP						30	I	1	-28.99	-17.22	3b	3b
172	3	0-30	mSL	10YR 4/3			30-70	LmS	10YR 5/3		CO	Moderate	70-120	mS	10YR 5/3		MO	Poor		30	I	1	-1.99	-17.22	3a	3a
173	3	0-30	HCL	10YR 4/3			30-50	C	10YR 4/2		CO	Moderate	50-120	C	10YR 5/1		COB	Poor	30	30	IV	3b				3b
174	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
175	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
176	3	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MOB	Poor							25	25	IV	4				4
177	2	0-30	mSL	10YR 4/3			30-70	LmS	10YR 5/3		CO	Moderate	70-120	mS	10YR 5/3		MO	Poor		30	I	1	-1.99	-17.22	3a	3a
178	2	0-30	HCL	10YR 4/3			30-50	C	10YR 4/3		COB	WMSAB	50-120	C	10YR 5/1		MO	CAB	30	30	IV	3b				3b
179	2	0-25	LmS	10YR 3/2			25-40	mSL	10YR 3/3		FO	Moderate	40-120	mS	10YR 5/6		MO	Moderate			I	1	-20.99	-24.22	3b	3b
180	2	0-30	HCL	10YR 4/3			30-120	C	10YR 5/1		COB	Poor							30	30	IV	3b				3b
181	2	0-30	HCL	10YR 4/3			30-120	C	10YR 5/1		COB	Poor							30	30	IV	3b				3b
182	2	0-30	HCL	10YR 4/3			30-120	C	10YR 5/1		COB	Poor							30	30	IV	3b				3b
183	2	0-30	HCL	10YR 4/3			30-120	C	10YR 5/1		COB	Poor							30	30	IV	3b				3b
184	2	0-25	Org C	10YR 2/1			30-80	Org C	10YR 2/1			Poor	80-120	C	10YR 5/1		MO	Poor	30	30	IV	4				4
185	1	0-25	Org C	10YR 2/1			30-80	Org C	10YR 2/1			Poor	80-120	C	10YR 5/1		MO	Poor	30	30	IV	4				4
186	2	0-30	HCL	10YR 4/3			30-120	C	10YR 5/1		COB	Poor							30	30	IV	3b				3b
187	2	0-30	HCL	10YR 4/3			30-120	C	10YR 5/1		COB	Poor							30	30	IV	3b				3b
188	1	0-30	HCL	10YR 4/3			30-120	C	10YR 5/1		COB	Poor							30	30	IV	3b				3b
189	2	0-25	C	10YR 3/2			30-70	C	10YR 4/2		FOBG	Poor	70-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
190	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
191	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
192	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
193	1	0-30	mSL	10YR 4/3	5%		30-50	LmS	10YR 5/3		MOBG	Moderate	50-120	mS	10YR 5/6		MOB	Moderate		30	I	1	-3.99	-17.22	3a	3a
194	2	0-30	SCL	10YR 4/2	5%		30-70	LmS	10YR 5/3		MOBG	Moderate	70-120	S	10YR 5/6		MOB	Moderate		30	I	1	-1.99	-13.22	3a	3a
195	2	0-30	SCL	10YR 4/2	5%		30-50	LmS	10YR 5/6		MOBG	Moderate	50-120	C	10YR 5/1		MOB	Poor	50	50	II	2	10.01	-5.22	2	2
196	2	0-25	C	10YR 3/2			30-70	C	10YR 4/2		FOBG	Poor	70-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
197	2	0-25	HCL	10YR 3/2			30-70	C	10YR 4/2		FOBG	Poor	70-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
198	2	0-25	C	10YR 3/2			30-70	C	10YR 4/2		FOBG	Poor	70-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
199	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
200	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
201	4	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
202	3	0-30	mSL	10YR 4/3	5%		30-50	LmS	10YR 5/3		MOBG	Moderate	50-120	mS	10YR 5/6		MOB	Moderate		30	I	1	-3.99	-17.22	3a	3a
203	2	0-30	SCL	10YR 4/3			30-120	C	10YR 5/1		MOB	Poor							30	30	IV	3b				3b
204	1	0-30	SCL	10YR 4/3			30-120	C	10YR 5/1		MOB	Poor							30	30	IV	3b				3b
205	2	0-25	HCL	10YR 3/2			30-70	C	10YR 4/2		FOBG	Poor	70-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
206	2	0-25	C	10YR 3/2			30-70	C	10YR 4/2		FOBG	C Prism	70-120	C	10YR 5/1		MOB	CAB	30	30	IV	3b				3b
207	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
208	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
209	1	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
210	3	0-30	SCL	10YR 4/3			30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
211	4	0-30	HCL	10YR 4/3			30-70	C	10YR 5/3		CO	Poor	70-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
212	3	0-30	SCL	10YR 4/3			30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/1		MOB	Poor	30	30	IV	3b				3b
213	3	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 5/1	10%	CO	Moderate	50-120	C	7.5YR 4/3		COB	Poor	50	30	III	2	10.01	-5.22	2	2
214	2	0-30	SCL	10YR 4/3			30-120	C	10YR 5/1		MOB	Poor							30	30	IV	3b				3b
215	3	0-30	SCL	10YR 4/3			30-120	C	10YR 4/1		MOB	Poor							30	30	IV	3b				3b
216	3	0-30	mSL	10YR 4/3			30-120	LmS	10YR 5/3		MOB	Moderate								30	I	1	3.01	-13.22	3a	3a
217	4	0-30	mSL	10YR 4/3			30-120	LmS	10YR 5/3		MOB	Moderate								30	I	1	3.01	-13.22	3a	3a
218	3	0-30	mSL	10YR 4/2			30-50	C	10YR 4/1		CO	Poor	50	IMP					30	30	IV	3a				3a
219	3	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
220	3	0-30	SCL	10YR 4/2			30-120	C	10YR 4/1		CO	Poor							30	30	IV	3b				3b
221	2	0-30	mSL	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-7.99	-21.22	3a	3a
222	1	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
223	2	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
224	3	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
225	4	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
226	3	0-30	SCL	10YR 4/2			30-120	C	10YR 4/1		CO	Poor							30	30	IV	3b				3b
227	3	0-30	mSL	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-7.99	-21.22	3a	3a
228	2	0-30	mSL	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-7.99	-21.22	3a	3a
229	2	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
230	3	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
231	2	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
232	3	0-30	mSL	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-7.99	-21.22	3a	3a
233	2	0-30	mSL	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-7.99	-21.22	3a	3a
234	2	0-30	Org SCL	10YR 3/2			30-120	mS	7.5YR 5/6			Moderate									I	1	25.01	11.78	1	1
235	3	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b

		Topsoil					Upper subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	by most limiting factor
236	3	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
237	3	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
238	2	0-30	Org SCL	10YR 3/2			30-120	mS	7.5YR 5/6			Moderate									I	1	25.01	11.78	1	1
239	3	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
240	2	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
241	3	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
242	2	0-30	LmS	10YR 3/2			30-120	mS	7.5YR 5/3		MO	Moderate								30	I	1	-19.99	-33.22	3b	3b
243	3	0-30	SCL	10YR 3/2			30-120	mS	7.5YR 5/6			Poor									I	1	-7.99	-21.22	3a	3a
244	2	0-30	Org SCL	10YR 3/2			30-120	mS	7.5YR 5/6			Moderate									I	1	25.01	11.78	1	1
245	2	0-30	Org SCL	10YR 3/1			30-120	mS	7.5YR 5/6			Massive									I	1	25.01	11.78	1	1
246	3	0-30	C	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
247	3	0-30	C	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
248	2	0-30	C	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
249	1	0-30	Org SCL	10YR 3/1			30-120	mS	7.5YR 5/6			Moderate									I	1	25.01	11.78	1	1
250	3	0-30	Org SCL	10YR 3/1			30-120	mS	7.5YR 5/6			Moderate									I	1	25.01	11.78	1	1
251	3	0-30	Org SCL	10YR 3/1			30-120	mS	7.5YR 5/6			Moderate									I	1	25.01	11.78	1	1
252	3	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
253	2	0-30	C	10YR 3/1			30-120	C	10YR 4/2		MO	Massive							30	30	IV	3b				3b
254	1	0-30	C	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
255	1	0-30	Org SCL	10YR 3/1			30-120	mS	7.5YR 5/6			Moderate									I	1	25.01	11.78	1	1
256	2	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
257	2	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
258	1	0-30	Org HCL	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
259	1	0-30	Org HCL	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
260	1	0-30	Org HCL	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
261	0	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
262	1	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
263	1	0-30	Org C	10YR 3/1			30-50	C	10YR 5/1		CO	Poor	50-120	mS	10YR 5/6		FO	Moderate	30	30	IV	4				4
264	2	0-30	Org HCL	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
265	1	0-30	Org HCL	10YR 3/1			30-120	C	10YR 4/2		MO	Poor							30	30	IV	3b				3b
266	2	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
267	3	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
268	2	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
269	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
270	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
271	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
272	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
273	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
274	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
275	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
276	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
277	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
278	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
279	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
280	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
281	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
282	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
283	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
284	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
285	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
286	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
287	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
288	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
289	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
290	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
291	2	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
292	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
293	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
294	0	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
295	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	CAB							30	30	IV	4				4
296	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
297	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
298	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
299	1	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
300	1	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
301	0	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
302	0	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
303	1	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
304	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
305	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
306	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
307	0	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
308	1	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
309	1	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b

		Topsoil					Upper subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	by most limiting factor
310	1	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
311	2	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
312	2	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
313	1	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
314	0	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
315	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
316	2	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
317	2	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
318	1	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
319	0	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
320	0	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
321	1	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
322	2	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
323	1	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
324	0	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
325	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
326	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
327	0	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
328	2	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
329	1	0-25	mSL	10YR 3/2			25-50	mS	10YR 6/1		FO	Moderate	50-120	ZC	10YR 5/1		MO	Poor	50	50	III	2	2.01	-21.22	3a	3a
330	0	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
331	1	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
332	1	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
333	0	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
334	1	0-25	Org C	10YR 3/1			25-40	C	10YR 5/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	4				4
335	2	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
336	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
337	0	0-30	Org SCL	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
338	1	0-25	mSL	10YR 3/2			25-50	mS	10YR 6/1		FO	Moderate	50-120	ZC	10YR 5/1		MO	Poor	50	50	III	2	6.01	-9.22	2	2
339	1	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
340	1	0-25	Org C	10YR 3/1			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
341	1	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	3b				3b
342	0	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	3b				3b
343	0	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
344	1	0-30	Org C	10YR 3/1			30-120	Org C	10YR 5/1		CO	Poor							30	30	IV	4				4
345	0	0-25	mSL	10YR 3/2			30-50	mS	10YR 6/1		FO	Moderate	50-120	ZC	10YR 5/1		MO	Poor	50	50	III	2	6.01	-9.22	2	2
346	0	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	3b				3b
347	0	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	3b				3b
348	0	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	3b				3b
349	1	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	3b				3b
350	2	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	Poor	40-120	cLS	10YR 6/1	10%	MO	Moderate	25	25	IV	3b				3b
351	1	0-25	HCL	10YR 3/2	<5%		25-40	CL	10YR 4/1		MO	WMAB	40-120	cLS	10YR 6/1	10%	MO	C Platy	25	25	IV	3b				3b

Appendix 4c - Auger Sample Assessment

		Topsoil					Upper Subsoil					Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
																		Depth to		Wetness	According to			According to	Most limiting
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	SPL	Gley	Class	Wetness	MB Wheat	MB Potato	Droughtiness	Factor
352	0	0-30	SCL	7.5YR 3/1			30-80	CL	10YR 5/3		MO	Poor	80-120	SC	10YR 5/2		COB	Poor	30	30	IV	3b				3b
353	3	0-30	SCL	7.5YR 3/1			30-80	CL	10YR 5/3		MO	Poor	80-120	SC	10YR 5/2		COB	Poor	30	30	IV	3b				3b
354	1	0-30	SCL	7.5YR 3/1			30-80	CL	10YR 5/3		MO	Poor	80-120	SC	10YR 5/2		COB	Poor	30	30	IV	3b				3b
355	1	0-30	SCL	7.5YR 3/1			30-80	CL	10YR 5/3		MO	Poor	80-120	SC	10YR 5/2		COB	Poor	30	30	IV	3b				3b
356	0	0-35	SCL	7.5YR 3/1	5%		40-60	mSL	10YR 4/2		FO	Moderate	60-120	CL	10YR 4/2		CO	Poor	60	60	III	3a				3a
357	2	0-30	SCL	7.5YR 3/1	5%		30-70	mS	10YR 4/2		FO	Moderate	70-120	mS	10YR 5/1		MO	Moderate		30	I	1	-7.87	20.96	3a	3a
358	1	0-30	SCL	7.5YR 3/1			30-80	CL	10YR 5/3		MO	Poor	80-120	SC	10YR 5/2		COB	Poor	30	30	IV	3b				3b
359	1	0-30	SCL	7.5YR 3/1	5%		30-40	LmS	10YR 4/3	20%	FO	C PLATY	40-80	LmS	10YR 4/6	20%		WMSAB			I	1	3.13	-12.96	3a	3a
360	2	0-30	SCL	7.5YR 3/1			30-120	CL	10YR 4/2		COB	Poor							30	30	IV	3b				3b
361	2	0-30	SCL	7.5YR 3/1			30-120	CL	10YR 4/2		COB	Poor							30	30	IV	3b				3b
362	2	0-30	SCL	7.5YR 3/1			30-120	CL	10YR 5/3		MO	Poor							30	30	IV	3b				3b
363	2	0-30	SCL	7.5YR 3/1			30-80	CL	10YR 5/3		MO	Poor	80-120	SC	10YR 5/2		COB	Poor	30	30	IV	3b				3b
364	2	0-30	SCL	7.5YR 3/1			30-50	CL	10YR 5/3		MO	Poor	50-120	SC	10YR 5/2		COB	Poor	30	30	IV	3b				3b
365	2	0-35	SCL	7.5YR 3/1	5%		35-80	CL	10YR 4/2	20%	COB	Poor	80-90	mS	7.5YR 5/6			SG	35	35	IV	3b				3b
366	2	0-30	SCL	10YR 3/1			30-120	CL	10YR 5/2	10%	MO	Poor							30	30	IV	3b				3b
367	2	0-40	Org C	10YR 2/1			40-60	Loamy Peat	10YR 2/1			Moderate	60-120	C	10YR 5/2		MOBG	Poor	60	60	II	3a				3a
368	2	0-40	Org C	10YR 2/1			40-60	Loamy Peat	10YR 2/1			Moderate	60-120	C	10YR 5/2		MOBG	Poor	60	60	II	3a				3a
369	2	0-40	Org C	10YR 2/1			40-60	Loamy Peat	10YR 2/1			Moderate	60-120	C	10YR 5/2		MOBG	Poor	60	60	II	3a				3a
370	2	0-40	Org C	10YR 2/1			40-60	Loamy Peat	10YR 2/1			Moderate	60-120	C	10YR 5/2		MOBG	Poor	60	60	II	3a				3a
371	2	0-40	Org C	10YR 2/1			40-60	Loamy Peat	10YR 2/1			Moderate	60-120	C	10YR 5/2		MOBG	Poor	60	60	II	3a				3a
372	2	0-30	SCL	7.5YR 3/1	10%		30-50	CL	10YR 4/1			Poor	50-120	mS	7.5YR 5/6			Moderate	30	30	IV	3b				3b
373	2	0-30	SCL	10YR 4/2	5%		30-40	LmS	10YR 4/3	20%	FO	Moderate	40-80	CL	10YR 5/3	20%		Poor	40	40	III	3a				3a
374	2	0-30	Org C	10YR 2/1			30-120	LmS	10YR 5/2	10%	CO	Moderate								30	I	2	14.88	-0.01	2	2
375	2	0-30	Org C	10YR 2/1			30-120	LmS	10YR 5/2	10%	CO	Moderate								30	I	2	14.88	-0.01	2	2
376	2	0-30	Org C	10YR 2/1			30-60	CL	10YR 4/2		CO	Poor	60-120	CL	5YR 3/3		COBG	Poor	30	30	IV	4				4
377	2	0-30	mSL	10YR 4/2	5%		30-120	LmS	10YR 4/3	20%		Moderate									I	1	3.13	-12.96	3a	3a
378	2	0-30	mSL	10YR 4/2	5%		30-50	LmS	10YR 4/6		MO	Moderate	50-70	CL	10YR 4/1		MOB	Poor	50	50	II	1	5.13	-6.96	2	2
379	2	0-30	SCL	7.5YR 3/1	10%		30-50	CL	10YR 4/1			Poor	50-120	mS	7.5YR 5/6			Moderate	30	30	IV	3b				3b
380	1	0-30	SCL	7.5YR 3/1	10%		30-50	CL	10YR 4/1			C Prism	50-120	mS	7.5YR 5/6			SG	30	30	IV	3b				3b
381	2	0-30	SCL	10YR 4/2	5%		30-80	LmS	10YR 4/3	10%		Moderate	80-120	CL	10YR 4/3	10%		Poor	80		I	1	7.13	-12.96	3a	3a
382	1	0-30	Org C	10YR 2/1			30-120	LmS	10YR 5/2	10%	CO	Moderate								30	I	2	14.88	-0.01	2	2
383	2	0-30	Org C	10YR 2/1			30-120	LmS	10YR 5/2	10%	CO	Moderate								30	I	2	14.88	-0.01	2	2
384	1	0-35	Org C	10YR 2/1			35-120	CL	10YR 4/2	10%	CO	Poor							35	35	IV	4				4
385	2	0-30	mSL	10YR 4/2	5%		30-120	LmS	10YR 4/3	20%		Moderate									I	1	3.13	-12.96	3a	3a
386	2	0-30	mSL	10YR 4/2	5%		30-120	LmS	10YR 4/3	20%		Moderate									I	1	3.13	-12.96	3a	3a
387	2	0-40	Org C	10YR 2/1			40-60	Peaty Loam	10YR 2/1			Moderate	60-120	C	10YR 5/2		MOBG	Poor	60	60	II	3a				3a
388	3	0-40	Org C	10YR 2/1			40-60	Peaty Loam	10YR 2/1			Moderate	60-120	C	10YR 5/2		MOBG	Poor	60	60	II	3a				3a
389	1	0-30	mSL	10YR 4/2	5%		30-120	LmS	10YR 4/3	20%		Moderate									I	1	3.13	-12.96	3a	3a
390	2	0-30	mSL	10YR 4/2	5%		30-120	LmS	10YR 4/3	20%		Moderate									I	1	3.13	-12.96	3a	3a
391	2	0-35	SCL	10YR 4/3			35-120	C	10YR 5/3		MO	Poor							35	35	IV	3b				3b
392	2	0-35	SCL	10YR 4/3			35-120	C	10YR 5/3		MO	Poor							35	35	IV	3b				3b
393	3	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
394	4	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
395	7	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
396	4	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
397	3	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
398	2	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
399	2	0-30	Org C	10YR 3/1			30-120	C	10YR 4/1		CO	Poor							30	30	IV	4				4
400	1	0-30	Org C	10YR 3/1			30-70	LmS	10YR 5/2		FO	Moderate	70-120	cS	10YR 4/4	5%		Moderate		30	I	2	11.13	5.04	2	2
401	2	0-35	Org C	10YR 3/1			35-70	LmS	10YR 5/3			Moderate	70-120	cS	10YR 4/4	5%		Moderate		35	I	2	21.13	12.04	2	2
402	2	0-30	Org C	10YR 3/1			30-70	LmS	10YR 5/2		FO	Moderate	70-120	cS	10YR 4/4	5%		Moderate		30	I	2	11.13	5.04	2	2
403	3	0-30	Org C	10YR 3/1			30-70	LmS	10YR 5/2		FO	Moderate	70-120	cS	10YR 4/4	5%		Moderate		30	I	2	11.13	5.04	2	2
404	2	0-35	SCL	10YR 4/3			35-60	C	10YR 5/3		MO	Poor	60	IMP					35	35	IV	3b				3b
405	2	0-35	SCL	10YR 4/3			35-70	C	10YR 5/3		MO	Poor	70	IMP					35	35	IV	3b				3b
406	2	0-35	SCL	10YR 4/3			35-120	C	10YR 5/3		MO	Poor							35	35	IV	3b				3b
407	2	0-35	SCL	10YR 3/2			35-50	CL	10YR 5/3		CO	Moderate	50-120	C	10YR 5/3		MOB	Poor	35	35	III	3a				3a
408	3	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
409	4	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
410	7	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
411	4	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
412	3	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
413	2	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
414	1	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	40-70	II	1	-7.87	-20.96	3a	3a
415	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	40-70	II	1	-7.87	-20.96	3a	3a
416	3	0-30	mSL	10YR 4/3	5%		30-60	LmS	10YR 5/1		CO	Moderate	60-120	LcS	10YR 5/4			Moderate		30	I	1	3.13	-14.96	3a	3a
417	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
418	2	0-30	Org C	10YR 3/1			30-60	C	10YR 4/1		CO	Poor	60-70	mS	10YR 5/6			Moderate	30	30	IV	4				4
419	3	0-30	SCL	10YR 4/3			30-120	C	10YR 4/1		CO	Poor							30	30	IV	3b				3b
420	2	0-30	Org C	10YR 3/1			30-70	LmS	10YR 5/2		FO	Moderate	70-120	cS	10YR 4/4	5%		Moderate		30	I	2	11.13	5.04	2	2
421	2	0-30	Org C	10YR 3/1			30-70	LmS	10YR 5/2		FO	Moderate	70-120	cS	10YR 4/4	5%		Moderate		30	I	2	11.13	5.04	2	2
422	1	0-30	Org C	10YR 3/1			30-70	LmS	10YR 5/2		FO	Moderate	70-120	cS	10YR 4/4	5%		Moderate		30	I	2	11.13	5.04	2	2
423	2	0-30	Org C	10YR 3/1			30-70	LmS	10YR 5/2		FO	Moderate	70-120	cS	10YR 4/4	5%		Moderate		30	I	2	11.13	5.04	2	2
424	3	0-35	SCL	10YR 4/3			35-120	C	10YR 5/3		MO	Poor							35	35	IV	3b				3b
425	2	0-35	SCL	10YR 4/3			35-120	C	10YR 5/3		MO	Poor							35	35	IV	3b				3b
426	2	0-35	mSL	10YR 3/2			35-50	LmS	10YR 4/4			Moderate	50-120	C	10YR 5/3		COB	Poor	35	35	II	1	14.13	-0.96	2	2
427	5	0-35	mSL	10YR 3/2			35-50	LmS	10YR 4/4			Moderate	50-120	C	10YR 5/3		COB	Poor	35	35	II	1	14.13	-0.96	2	2
428	3	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
429	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
430	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
431	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b

		Topsoil					Upper Subsoil					Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	Most limiting Factor
432	2	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
433	2	0-30	HCL	10YR 3/2	5%		30-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
434	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
435	1	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
436	2	0-30	mSL	10YR 4/3	5%		30-70	mSL	10YR 5/1		CO	Moderate	70-120	LcS	10YR 5/4			Moderate		30	I	1	25.13	11.04	2	2
437	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
438	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
439	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
440	2	0-40	SCL	10YR 3/2			40-120	mS	10YR 5/4	5%	FO	Moderate									I	1	2.13	-10.96	3a	3a
441	2	0-40	SCL	10YR 3/2			40-120	mS	10YR 4/4	5%	FO	Moderate									I	1	2.13	-10.96	3a	3a
442	3	0-40	SCL	10YR 3/2			40-120	mS	10YR 4/4	5%	FO	Moderate									I	1	2.13	-10.96	3a	3a
443	2	0-40	SCL	10YR 3/2			40-60	C	10YR 5/2		MO	WCSAB	60-120	cS	10YR 5/3		CO	Moderate	35	35	IV	3b				3b
444	2	0-35	SCL	10YR 3/2			35-60	C	10YR 4/2		MOB	Poor	60-120	C	10YR 5/2		CO	Poor	35	35	IV	3b				3b
445	2	0-35	SCL	10YR 3/2			35-60	C	10YR 4/2		MOB	Poor	60-120	C	10YR 5/2		CO	Poor	35	35	IV	3b				3b
446	4	0-35	SCL	10YR 3/2			35-60	C	10YR 4/2		MOB	Poor	60-120	C	10YR 5/2		CO	Poor	35	35	IV	3b				3b
447	6	0-40	mSL	10YR 3/2			40-90	LmS	10YR 4/4			Moderate	90-120	C	10YR 5/3		COB	Poor			I	1	10.13	-8.96	2	2
448	3	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
449	2	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
450	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	CAB							30	30	IV	3b				3b
451	2	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
452	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
453	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
454	1	Non Agricultural																								
455	1	Non Agricultural																								
456	2	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
457	2	0-30	Org C	10YR 3/1			30-60	C	10YR 5/3		CO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	4				4
458	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
459	2	0-30	mSL	10YR 4/3			30-60	mSL	10YR 4/1		FO	Moderate	60-120	CL	10YR 5/1		MO	Poor	60	30	III	2	44.13	12.04	1	2
460	2	0-35	SCL	10YR 3/2	5%		35-120	mS	10YR 4/4	5%	FO	Moderate									I	1	-2.87	-15.96	3a	3a
461	3	0-35	SCL	10YR 3/2	5%		35-120	mS	10YR 4/4	5%	FO	Moderate									I	1	-2.87	-15.96	3a	3a
462	2	0-40	SCL	10YR 3/2			40-120	cS	10YR 5/2		FO	Moderate								40	I	1	2.13	-10.96	3a	3a
463	1	0-30	SCL	10YR 3/2			30-50	CL	10YR 5/2		MO	Poor	50-120	C	10YR 5/3		MO	Poor	30	30	IV	3b				3b
464	2	0-35	SCL	10YR 3/2			35-60	C	10YR 4/4		CO	Moderate	60-70	C	10YR 4/2		MO	Poor	60	60	II	2	25.63	12.54	2	2
465	2	0-35	SCL	10YR 3/2			35-60	C	10YR 4/4		CO	Moderate	60-70	C	10YR 4/2		MO	Poor	60	60	II	2	25.63	12.54	2	2
466	3	Non Agricultural																								
467	4	Non Agricultural																								
468	2	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
469	2	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
470	2	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
471	2	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
472	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
473	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/2		MO	Poor							30	30	IV	3b				3b
474	3	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
475	2	0-30	mSL	10YR 4/3	5%		30-70	mSL	10YR 5/1		CO	Moderate	70-120	LcS	10YR 4/4			Moderate		30	I	1	25.13	11.04	2	2
476	1	0-30	mSL	10YR 4/3	5%		30-60	mSL	10YR 5/1		CO	Moderate	60-120	LcS	10YR 5/4			Moderate		30	I	1	20.13	4.04	2	2
477	2	0-30	Org C	10YR 3/1			30-60	SC	10YR 5/3		CO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	4				4
478	1	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
479	2	0-30	LmS	10YR 4/3	5%		30-60	mS	10YR 5/6	5%		Moderate	60-120	C	10YR 4/1		FO	Poor	60	60	II	1	-7.87	-20.96	3a	3a
480	3	0-35	SCL	10YR 3/2	5%		35-120	mS	10YR 4/4	5%	FO	Moderate									I	1	-2.87	-15.96	3a	3a
481	2	0-35	Org C	10YR 3/1			35-120	C	10YR 4/1		MO	Poor							35	35	IV	4				4
482	2	0-30	SCL	10YR 3/2			30-50	CL	10YR 3/2			Moderate	50-120	mS	10YR 4/4			Moderate			I	1	10.13	-2.96	2	2
483	3	0-30	SCL	10YR 3/2			30-60	C	10YR 4/4		CO	Moderate	60-70	C	10YR 4/2		MO	Poor	60	60	II	2	12.13	3.04	2	2
484	2	0-35	SCL	10YR 3/2			35-70	C	10YR 4/4		CO	Moderate	70-90	C	10YR 4/2		MO	Poor	70	70	II	2	25.63	12.54	2	2
485	2	Non Agricultural																								
486	2	Non Agricultural																								
487	2	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
488	3	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
489	4	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
490	5	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
491	2	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
492	1	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
493	2	0-30	HCL	10YR 3/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
494	2	0-35	SCL	10YR 3/2	5%		35-120	mS	10YR 4/4	5%	FO	Moderate									I	1	-2.87	-15.96	3a	3a
495	3	Non Agricultural																								
496	2	0-35	SCL	10YR 3/2	5%		35-120	mS	10yr 4/4	5%	FO	Moderate									I	1	-2.87	-15.96	3a	3a
497	3	0-30	SCL	10YR 3/2			30-40	C	10YR 4/4		CO	Moderate	40-120	cS	10YR 4/4	5%		Moderate			I	1	-6.87	-12.96	3a	3a
498	2	0-30	SCL	10YR 3/2			30-60	C	10YR 4/4		CO	Moderate	60-120	cS	10YR 4/4	5%		Moderate			I	1	7.13	4.04	2	2
499	3	0-30	SCL	10YR 3/2			30-60	C	10YR 4/4		CO	Moderate	60-120	cS	10YR 4/4	5%		Moderate			I	1	7.13	4.04	2	2
500	4	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
501	5	0-30	LmS	10YR 3/2	5%		30-60	LmS	10YR 4/4			Moderate	60-120	mS	7.5YR 5/4			Good			I	1	-14.86	-26.95	3a	3a
502	6	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
503	2	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
504	2	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
505	3	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
506	2	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
507	3	0-30	HCL	10YR 3/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
508	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/1		MO	CAB							30	30	IV	3b				3b
509	2	0-30	SCL	10YR 3/2	5%		30-120	C	10YR 5/1		MO	CAB							30	30	IV	3b				3b
510	3	0-35	SCL	10YR 4/3			35-120	C	10YR 5/3		MO	Poor							30	30	IV	3b				3b
511	2	0-40	SCL	10YR 3/2			40-60	CL	10YR 4/2		FO	CAB	60-120	CL	10YR 5/3		MO	C Prism	40	40	III	3a				3a
512	2	0-30	SCL	10YR 3/2			30-60	C	10YR 4/4		CO	Moderate	60-120	cS	10YR 4/4	5%		Moderate			I	1	7.13	4.04	2	2

		Topsoil					Upper Subsoil					Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	Most limiting Factor
513	2	0-30	SCL	10YR 3/2			30-60	C	10YR 4/4		CO	Moderate	60-120	cS	10YR 4/4	5%		Moderate			I	1	7.13	4.04	2	2
514	3	0-30	mSL	10YR 3/2	5%		30-50	C	10YR 5/1		MO	Poor	50-120	mS	10YR 5/1		CO	Moderate	30	30	IV	3a				3a
515	4	0-30	mSL	10YR 3/2	5%		30-60	C	10YR 5/1		MO	Poor	60-120	mS	10YR 5/1		CO	Moderate	30	30	IV	3a				3a
516	5	0-30	SCL	10YR 3/2	5%		30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
517	6	0-30	LmS	10YR 4/2			30-50	mS	10YR 4/6			Moderate	50-120	LmS	10YR 5/6	10%	FO	Moderate			I	1	-12.87	-28.96	3a	3a
518	2	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
519	1	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
520	2	0-30	mSL	10YR 4/3	5%		30-50	mSL	10YR 5/2		CO	Moderate	50-120	SC	10YR 5/6		FO	Moderate		30	I	1	43.13	11.04	1	1
521	2	0-30	mSL	10YR 3/2	5%		30-50	LmS	7.5YR 5/6	<5%	FO	Moderate	50-120	LcS	7.5YR 4/4			Moderate			I	1	3.13	-14.96	3a	3a
522	2	0-30	mSL	10YR 3/2	5%		30-50	LmS	7.5YR 5/6	<5%	FO	Moderate	50-120	LcS	7.5YR 4/4			Moderate			I	1	3.13	-14.96	3a	3a
523	3	0-30	mSL	10YR 3/2	5%		30-50	LmS	7.5YR 5/6	5%	FO	Moderate	50-120	LmS	7.5YR 4/4			Moderate			I	1	3.13	-14.96	3a	3a
524	4	0-30	LmS	10YR 4/2			30-50	mS	10YR 4/6			Moderate	50-120	LmS	10YR 5/6	10%	FO	Moderate			I	1	-12.87	-28.96	3a	3a
525	3	0-30	SCL	10YR 3/2			30-60	C	10YR 4/4		CO	Moderate	60-120	cS	10YR 4/4	5%		Moderate			I	1	7.13	4.04	2	2
526	5	0-30	SCL	10YR 3/2			30-60	C	10YR 4/4		CO	Moderate	60-120	cS	10YR 4/4	5%		Moderate			I	1	7.13	4.04	2	2
527	5	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/6		FO	Moderate		30	I	1	1.13	-16.96	3a	3a
528	8	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/6		FO	Moderate		30	I	1	1.13	-16.96	3a	3a
529	6	0-30	mSL	10YR 3/2	5%		30-50	CL	10YR 5/1		CO	Moderate	50-120	LmS	10YR 5/6	10%	FO	Moderate		30	II	1	17.13	1.04	2	2
530	2	0-30	Org C	10YR 2/1			30-120	C	10YR 5/1		CO	Poor							30	30	IV	4				4
531	2	0-30	C	10YR 4/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	3b				3b
532	2	0-30	C	10YR 4/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	3b				3b
533	1	0-30	Org C	10YR 3/1			30-120	C	10YR 5/1		MO	Poor							30	30	IV	4				4
534	2	0-30	mSL	10YR 3/2	5%		30-50	LmS	7.5YR 5/6	<5%	FO	Moderate	50-120	LcS	7.5YR 4/6			Moderate			I	1	3.13	-14.96	3a	3a
535	1	0-30	mSL	10YR 3/2	5%		30-60	LmS	7.5YR 5/6	<5%	FO	Moderate	60-120	LcS	7.5YR 4/4			Moderate			I	1	3.13	-14.96	3a	3a
536	1	0-35	SCL	10YR 3/2			35-50	C	10YR 4/2		MO	Poor	50-120	LmS	5YR 4/4			Moderate	35	35	IV	3b				3b
537	2	Non Agricultural																								
538	2	Non Agricultural																								
539	2	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/6	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
540	3	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/6	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
541	4	0-30	SCL	10YR 3/2			30-70	C	10YR 5/1		COB	Poor	70-120	C	10YR 5/3		FO	Poor	30	30	IV	3b				3b
542	5	0-30	C	10YR 3/2			30-70	C	10YR 5/3		MO	Poor	70-120	C	10YR 4/1		MO	Poor	30	30	IV	3b				3b
543	2	0-30	C	10YR 4/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	3b				3b
544	1	0-30	C	10YR 4/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	3b				3b
545	2	0-30	Org C	10YR 3/1			30-120	C	10YR 5/1		MO	Poor							30	30	IV	4				4
546	3	0-30	mSL	10YR 4/2			30-70	LmS	10YR 5/1		CO	Moderate	70-120	mS	5YR 4/4			Moderate		30	I	1	-2.87	-16.96	3a	3a
547	2	0-30	mSL	10YR 4/2			30-60	LmS	10YR 5/1		CO	Moderate	60-120	mS	5YR 4/4			Moderate		30	I	1	-2.87	-16.96	3a	3a
548	3	0-30	mSL	10YR 4/2			30-120	mS	5YR 4/4			Moderate									I	1	-7.87	-20.96	3a	3a
549	4	0-30	mSL	10YR 4/2			30-120	mS	5YR 4/4			Moderate									I	1	-7.87	-20.96	3a	3a
550	3	0-30	mSL	10YR 3/2	<5%		30-60	LmS	10YR 5/3		FO	Moderate	60-120	mS	7.5YR 5/6	FO		Moderate		30	I	1	-2.87	-16.96	3a	3a
551	2	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/4	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
552	2	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/6	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
553	1	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/6	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
554	2	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/6	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
555	2	0-30	C	10YR 3/2			30-70	C	10YR 5/3		MO	Poor	70-120	C	10YR 4/1		MO	Poor	30	30	IV	3b				3b
556	2	0-30	C	10YR 3/2			30-70	C	10YR 5/2		MO	Poor	70-120	C	10YR 4/1		MO	Poor	30	30	IV	3b				3b
557	3	0-30	HCL	10YR 3/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
558	3	0-30	HCL	10YR 3/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
559	2	0-30	HCL	10YR 3/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
560	2	0-25	Org C	10YR 3/2			25-50	C	10YR 3/2			FAB	50-120	C	10YR 5/1		MO	Poor	50	50	II	3a				3a
561	1	0-30	C	10YR 4/2	5%		30-50	C	10YR 5/3	10%	CO	Poor	50-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
562	2	0-30	HCL	10YR 4/2			30-120	C	10YR 5/1		CO	Poor							30	30	IV	3b				3b
563	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
564	3	0-30	Org C	10YR 3/2			30-120	C	10YR 5/1		MO	Poor							30	30	IV	4				4
565	2	0-30	mSL	10YR 3/2	<5%		30-60	LmS	10YR 5/3		FO	Moderate	60-120	mS	7.5YR 5/4	FO		Moderate		30	I	1	-2.87	-16.96	3a	3a
566	3	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/4	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
567	3	0-35	mSL	10YR 3/2	<5%		35-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/4	FO		Moderate		35	I	1	0.13	-12.96	3a	3a
568	3	0-30	mSL	10YR 3/2	<5%		30-50	LmS	10YR 5/3		FO	Moderate	50-120	mS	7.5YR 5/4	FO		Moderate		30	I	1	1.13	-16.96	3a	3a
569	2	0-30	HCL	10YR 3/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
570	1	0-30	HCL	10YR 3/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
571	2	0-30	HCL	10YR 3/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
572	2	0-30	HCL	10YR 3/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
573	1	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
574	2	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
575	2	0-30	mSL	10YR 3/2	5%		30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/2	5%	CO	Poor	30	30	IV	3a				3a
576	2	0-30	mSL	10YR 3/2	5%		30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/2	5%	CO	Poor	30	30	IV	3a				3a
577	3	0-30	mSL	10YR 3/2	5%		30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/2	5%	CO	Poor	30	30	IV	3a				3a
578	3	0-30	mSL	10YR 3/2	5%		30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/2	5%	CO	Poor	30	30	IV	3a				3a
579	2	0-25	mSL	10YR 4/2			25-50	mSL	10YR 5/1		FO	Moderate	50-120	C	10YR 4/1	10%	MO	Poor	50	25	III	2	21.13	6.04	2	2
580	2	0-25	mSL	10YR 4/2			25-120	C	10YR 4/1	10%	MO	Poor							25	25	IV	3a				3a
581	2	0-25	C	10YR 4/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	3b				3b
582	1	0-25	C	10YR 4/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	3b				3b
583	1	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
584	2	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
585	3	0-30	mSL	10YR 3/2	5%		30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/2	5%	CO	Poor	30	30	IV	3a				3a
586	3	0-30	mSL	10YR 3/2	5%		30-50	C	10YR 5/3		CO	Poor	50-120	C	10YR 5/2	5%	CO	Poor	30	30	IV	3a				3a
587	1	0-25	C	10YR 4/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	3b				3b
588	0	0-25	C	10YR 4/2			25-120	C	10YR 5/1		MO	CAB							25	25	IV	3b				3b
589	1	0-25	C	10YR 4/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	3b				3b
590	0	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
591	0	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
592	1	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
593	2	0-25	C	10YR 4/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	3b				3b

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	Most limiting Factor
594	2	0-25	C	10YR 4/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	3b				3b
595	1	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
596	0	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
597	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
598	2	0-25	Org C	10YR 4/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
599	1	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
600	0	0-30	MCL	10YR 4/2	<5%		30-120	C	10YR 5/1	5%	MO	Poor							30	30	IV	3b				3b
601	1	0-30	HCL	10YR 4/2			30-50	C	10YR 4/1		FO	Poor	50-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
602	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
603	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
604	0	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
605	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
606	2	0-30	HCL	10YR 4/2			30-50	C	10YR 4/1		FO	Poor	50-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
607	0	0-30	HCL	10YR 4/2			30-50	C	10YR 4/1		FO	Poor	50-120	C	10YR 5/1		CO	Poor	30	30	IV	3b				3b
608	0	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
609	0	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
610	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
611	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
612	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
613	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
614	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
615	1	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
616	2	0-25	Org C	10YR 3/2			25-120	C	10YR 5/1		MO	Poor							25	25	IV	4				4
A	3	0-40	SCL	10YR 3/2	10		40-60	CL	10YR 4/6	15%	FO	Moderate	60-120	mS	10YR 4/4	15%	CO	Moderate			I	1	10.03	3.04	2	2
B	5	0-40	SCL	10YR 3/2	10		40-60	CL	10YR 4/6	15%	FO	Moderate	60-120	mS	10YR 4/4	15%	CO	Moderate			I	1	10.03	3.04	2	2
C	2	0-30	HCL	10YR 3/2	5%		30-50	C	10YR 5/3		MO	Poor	50-70	LmS	10YR 5/2	10%	FO	Moderate	30	30	IV	3b				3b
D	6	0-35	SCL	10YR 3/2	10%		35-70	CL	10YR 4/4	10%	CO	Moderate	70	IMP							I	1	-2.37	12.54	3a	3a
E	5	0-35	SCL	10YR 3/2	5%		35-60	CL	10YR 4/6	10%	CO	Moderate	60	IMP							I	1	-9.37	-0.46	3a	3a
F	6	Non Agricultural																								
G	2	0-30	HCL	10YR 3/2	5%		30-70	C	10YR 5/3		MO	Poor	70-120	C	10YR 4/1		CO	Poor	30	30	IV	3b				3b
H	3	0-40	SCL	10YR 3/2			40-70	mSL	10YR 4/3	10%	CO	Moderate	70-120	cS	10YR 5/4	10%	FO	Moderate			I	1	3.13	-6.96	3a	3a
I	4	0-30	SCL	10YR 3/2	10%		30-60	SCL	10YR 4/2	10%	MO	Moderate	60-120	cS	10YR 5/4	10%	FO	Moderate		30	II	2	-3.97	0.34	3a	3a
J	5	0-30	SCL	10YR 3/2	10%		30-50	SCL	10YR 4/2	10%	MO	CSAB	50-120	cS	10YR 4/3	15%	FO	Moderate		30	I	1	-3.97	0.34	3a	3a
K	4	0-30	SCL	10YR 3/2	10%		30-60	SCL	10YR 4/2	10%	MO	Moderate	60-120	cS	10YR 5/4	10%	FO	Moderate		30	II	2	-3.97	0.34	3a	3a
L	3	0-30	HCL	10YR 3/2	5%		30-70	C	10YR 5/3		MO	Poor	70-120	C	10YR 4/1		CO	Poor	30	30	IV	3b				3b
M	2	0-40	C	10YR 3/2			40-70	C	10YR 4/2		MO	Poor	70-120	C	10YR 5/3		MO	Poor	40	40	IV	3b				3b
N	4	0-40	HCL	10YR 3/2			40-70	C	10YR 5/3		MO	Poor	70-120	C	10YR 5/3		MO	Poor	40	40	IV	3b				3b
O	5	0-30	C	10YR 4/3			30-50	C	10YR 5/3		FO	Poor	50-120	C	10YR 6/6			Poor	30	30	IV	3b				3b
P	6	0-30	C	10YR 3/2			30-50	C	10YR 4/4		MO	Moderate	50-120	C	10YR 4/2		MO	Poor	50	50	II	3a				3a
Q	5	0-30	C	10YR 3/2			30-50	C	10YR 4/4		MO	Moderate	50-120	C	10YR 4/2		MO	Poor	50	50	II	3a				3a
R	3	0-40	C	10YR 3/2			40-50	CL	10YR 5/1		MO	MAB	50-120	C	10YR 3/4	5%	CO	Moderate		40	II	3b				3b
S	4	0-30	SCL	10YR 4/3	<5%		30-70	CL	10YR 4/4			Moderate	70-120	mS	10YR 4/4	15%	CO	Moderate			I	1	20.13	15.04	2	2
T	6	0-30	SCL	10YR 4/3	5%		30-70	CL	10YR 4/4			Moderate	70-120	mS	10YR 4/4	15%	CO	Moderate			I	1	20.13	15.04	2	2
U	6	0-30	mSL	10YR 4/3			30-50	mSL	10YR 5/3	5%	COB	Moderate	50-120	cS	10YR 5/4	10%	FO	Moderate		30	I	1	1.13	-8.96	3a	3a
V	6	0-40	SCL	10YR 3/2	10%		40-50	mSL	10YR 4/3	5%	COB	CAB	50-120	cS	10YR 5/4	10%	FO	Moderate			I	1	3.13	-6.96	3a	3a
W	4	0-35	C	10YR 3/2			35-120	C	10YR 5/3		COB	Poor							35	35	IV	3b				3b
X	5	0-35	C	10YR 3/2			35-120	C	10YR 5/3		COB	Poor							35	35	IV	3b				3b
Y	3	0-25	C	10YR 3/2			25-50	CL	10YR 5/1		MO	Moderate	50-120	C	10YR 4/1	5%	CO	Moderate	25	25	IV	3b				3b
Z	3	0-35	SCL	10YR 3/2			35-50	mSL	10YR 5/3	5%	COB	Moderate	50-120	cS	10YR 5/4	10%	FO	Moderate		35	I	1	2.13	-7.96	3a	3a
AA	4	0-35	SCL	10YR 3/2			35-50	mSL	10YR 5/3	5%	COB	Moderate	50-120	cS	10YR 5/4	10%	FO	Moderate		35	I	1	2.13	-7.96	3a	3a
AB	5	0-35	SCL	10YR 3/2			35-60	mSL	10YR 5/3	5%	COB	Moderate	60-120	cS	10YR 5/4	10%	FO	Moderate		35	I	1	9.13	2.04	2	2
AC	6	0-35	SCL	10YR 3/2			35-50	mSL	10YR 5/3	5%	COB	Moderate	50-120	cS	10YR 5/4	10%	FO	Moderate		35	I	1	2.13	-7.96	3a	3a
AD	6	0-35	C	10YR 3/2			35-120	C	10YR 5/3		COB	Poor							35	35	IV	3b				3b
AE	3	0-35	MCL	10YR 3/2	5%		35-50	MCL	10YR 5/6	5%	CO	Moderate	50-120	CL	10YR 3/4	5%	CO	Moderate			I	1	49.13	19.04	1	1
AF	4	0-30	SCL	10YR 3/2	5%		30-50	mSL	10YR 4/3	5%	COB	Moderate	50-120	cS	10YR 5/4	10%	FO	Moderate			I	1	1.13	-8.96	3a	3a
AG	4	0-30	SCL	10YR 3/2	5%		30-50	mSL	10YR 4/3	5%	COB	Moderate	50-120	cS	10YR 5/4	10%	FO	Moderate			I	1	1.13	-8.96	3a	3a
AH	5	0-30	mSL	10YR 3/2	5%		30-60	mSL	10YR 4/3	5%	COB	Moderate	60-120	cS	10YR 5/4	10%	FO	Moderate			I	1	8.13	1.04	2	2
AI	4	0-35	C	10YR 3/2			35-50	C	10YR 5/3		COB	Poor	50-80	C	10YR 4/2	10%	FO	Poor	35	35	IV	3b				3b
AJ	5	0-30	C	10YR 3/2			30-50	C	10YR 5/3		COB	CAB	50-80	C	10YR 4/2	10%	FO	Poor	30	30	IV	3b				3b
AK	5	0-30	SCL	10YR 3/2	5%		30-50	mSL	10YR 4/3	5%	COB	CAB	50-90	mS	10YR 5/4	10%	FO	WMSAB			I	1	8.13	-4.96	2	2
AL	4	0-30	SCL	10YR 3/2	5%		30-50	mSL	10YR 4/3	5%	COB	Moderate	50-120	cS	10YR 5/4	10%	O	Moderate			I	1	1.13	-8.96	3a	3a

Appendix 4d - Auger sample Assessment

		Topsoil					Upper Subsoil					Lower Subsoil						Wetness Assesment Depth to			Grade According to	Droughtiness Assessment		Grade According to	Grade by most limiting
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	SPL	Gley	Wetness Class	Wetness	MB Wheat	MB Potato	Droughtiness	Factor
617	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
618	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
619	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
620	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
621	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
622	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
623	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
624	2	0-30	MCL	10YR 3/2			30-50	CL	10YR 3/2			Moderate	50-120	CL	10YR 5/3		MO	Poor	50	50	II	2				2
625	2	0-30	MCL	10YR 3/2			30-50	CL	10YR 3/2			Moderate	50-120	CL	10YR 5/3		MO	Poor	50	50	II	2				2
626	1	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
627	2	0-30	MCL	10YR 3/2			30-50	CL	10YR 3/2			Moderate	50-120	CL	10YR 5/3		MO	Poor	50	50	II	2				2
628	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
629	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
630	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
631	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
632	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
633	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
634	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
635	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
636	1	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
637	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
638	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
639	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
640	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
641	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
642	2	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
643	2	0-30	MCL	10YR 3/2			30-50	CL	10YR 3/2			Moderate	50-120	CL	10YR 5/3		MO	Poor	50	50	II	2				2
644	1	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
645	1	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
646	0	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
647	1	0-30	MCL	10YR 3/2			30-50	CL	10YR 3/2			Moderate	50-120	CL	10YR 5/3		MO	Poor	50	50	II	2				2
648	1	0-30	MCL	10YR 3/2			30-50	CL	10YR 5/3		MOG	CAB	50-120	CL	10YR 5/3		MO	C Prism	50	50	IV	3b				3b
649	0	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
650	-1	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
651	1	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
652	0	0-30	MCL	10YR 3/2			30-120	CL	10YR 5/3		MOG	Poor							30	30	IV	3b				3b
653	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
654	0	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
655	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
656	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
657	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
658	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
659	0	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
660	2	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
661	-1	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor									II	3b				3b
662	1	0-30	HCL	10YR 4/2	<5%		30-50	C	7.5YR 5/3		MO	Poor	50	IMP					30	30	IV	3b				3b
663	2	0-30	HCL	10YR 4/2	<5%		30-70	C	7.5YR 5/3		MO	WMAB	70	IMP					30	30	IV	3b				3b
664	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
665	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
666	0	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
667	1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
668	2	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
669	1	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
670	-1	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
671	-1	0-30	HCL	10YR 4/2	<5%		30-50	C	7.5YR 5/3		MO	Poor	50	IMP					30	30	IV	3b				3b
672	-1	Not Surveyed																								
673	-1	Not Surveyed																								
674	-1	Not Surveyed																								
675	-1	0-30	HCL	10YR 4/2	<5%		30-70	C	7.5YR 5/3		MO	WMAB	70	IMP					30	30	IV	3b				3b
676	-1	0-30	Org C	10YR 4/1			30-60	Peaty Loam	10YR 2/1			Poor	60-120	LmS	10YR 6/1		FO	Moderate			II	3a				3a
677	-1	0-30	Org C	10YR 4/1			30-60	Peaty Loam	10YR 2/1			Poor	60-120	LmS	10YR 6/1		FO	Moderate			II	3a				3a
678	2	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
679	-1	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
680	-1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
681	2	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
682	0	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
683	3	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
684	-1	Not Surveyed																								
685	-1	Not Surveyed																								
686	-1	Not Surveyed																								
687	-1	Not Surveyed																								

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment Depth to			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	SPL	Gley	Wetness Class	According to Wetness	MB Wheat	MB Potato	According to Droughtiness	most limiting Factor
688	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
689	-1	0-30	Org C	10YR 4/1			30-120	Peaty Loam	10YR 2/1			Poor									II	3a				3a
690	0	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
691	-1	0-30	Org C	10YR 4/2	10%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
692	1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
693	2	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
694	1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
695	-1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
696	1	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
697	0	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
698	5	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
699	4	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
700	3	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
701	2	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
702	1	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
703	2	Not Surveyed																								
704	-1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
705	0	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
706	1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
707	1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
708	2	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
709	3	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
710	2	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
711	5	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
712	5	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
713	3	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
714	2	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
715	2	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
716	-1	0-30	Org C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	4				4
717	-1	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
718	1	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
719	2	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
720	3	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
721	5	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
722	5	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
723	5	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
724	3	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
725	3	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
726	2	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
727	4	0-30	HCL	10YR 4/2	<5%		30-60	C	7.5YR 5/3		MO	Poor	60	IMP					30	30	IV	3b				3b
728	0	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
729	-1	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
730	5	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
731	3	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
732	1	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
733	4	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
734	2	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
735	0	0-30	C	10YR 4/2	<5%		30-120	C	5YR 5/1		MO	Poor							30	30	IV	3b				3b
BK	5	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BL	5	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BM	4	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BN	5	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BO	5	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BP	6	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BQ	6	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BR	6	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BS	5	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BT	4	0-25	HCL	10YR 4/2			25-50	C	10YR 5/3		MO	Poor	50-120	C	10YR 5/1		MOB	Poor	25	25	IV	3b				3b
BU	6	0-25	HCL	10YR 4/2			25-50	C	10YR 5/3		MO	Poor	50-120	C	10YR 5/1		MOB	Poor	25	25	IV	3b				3b
BV	7	0-30	HCL	10YR 4/2			30-70	C	10YR 5/3		MO	Poor	70-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BW	8	0-30	HCL	10YR 4/2			30-60	C	10YR 5/3		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BX	7	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BY	6	0-30	HCL	10YR 4/2			30-60	SC	10YR 5/2		MO	Poor	60-120	C	10YR 5/1		MO	Poor	30	30	IV	3b				3b
BZ	4	0-25	HCL	10YR 4/2			25-50	C	10YR 5/3		MO	Poor	50-120	C	10YR 5/1		MOB	Poor	25	25	IV	3b				3b
CA	4	0-25	HCL	10YR 4/2			25-50	C	10YR 5/3		MO	Poor	50-120	C	10YR 5/1		MOB	Poor	25	25	IV	3b				3b
CB	7	0-35	mSL	10YR 4/2	5%		35-50	mSL	7.5YR 5/4			Moderate	50-120	mS	7.5YR 5/3		CO	Moderate		50	I	1	8.37	-4.79	2	2
CC	5	0-35	MCL	10YR 4/2	5%		35-50	SC	10YR 5/3		MO	Poor	50-120	C	10YR 5/1		MO	Poor	35	35	IV	3b				3b

Appendix 4f – Trial Pit Descriptions

Sample Point No. 82		
Horizon 1	0-25cm Dark greyish brown (10YR 4/2) sandy clay loam with very few small hard subrounded stones	
Horizon 2	25-70cm Brown (10YR 5/3) sandy clay loam subsoil with many ochreous mottles and a coarse angular blocky structure. Approximately 0.1% biopores and some evidence of roots.	
Horizon 3	70-120 Grey (10YR 5/1) clay loam with many ochreous mottles, and a poor structure. Probably coarse angular blocky but was so dry that difficult to be certain.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 – no photo
Slowly permeable layer	Starts at 25cm – evidenced by firm course angular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness	
Gleying	Starts at 25cm evidenced by pale colours and ochreous mottles	
Wetness Class	IV	
Wetness limitation	3b	
MB Wheat	24.76	
MB potatoes	2.58	
Droughtiness Limitation	2	

Sample Point No. 90		
Horizon 1	0-25cm Black (10YR 2/1) stoneless organic clay	
Horizon 2	25-80cm Dark grey (10YR 4/1) organic clay common ochreous mottles and a weak medium angular blocky structure. No evident biopores on ped faces and numerous roots between peds but none penetrating them	
Horizon 3	80-120 Grey (10YR 5/1) clay with many ochreous mottles, and a massive structure. Some roots evident but no biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 25cm – evidenced by firm weak medium angular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness	
Gleying	Starts at 25cm evidenced by grey colours and ochreous mottles	
Wetness Class	IV	
Wetness limitation	4	
MB Wheat	83.14	
MB potatoes	60.98	
Droughtiness Limitation	1	

Sample Point No. 93		
Horizon 1	0-25cm Very dark greyish brown (10YR 3/2) stoneless organic clay	
Horizon 2	25-120cm Grey (10YR 5/1) clay with many ochreous and black mottles and a coarse prismatic structure. No evident biopores on ped faces and numerous roots between peds and few penetrating them	
Horizon 3	Not present	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 – not present
Slowly permeable layer	Starts at 25cm – evidenced by coarse prismatic structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness	
Gleying	Starts at 25cm evidenced by grey colours and ochreous mottles	
Wetness Class	IV	
Wetness limitation	4	
MB Wheat	31.14	
MB potatoes	15.98	
Droughtiness Limitation	1	

Sample Point No. 112	
Horizon 1	0-25cm Dark greyish brown (10YR 4/2) medium sandy loam with 5% small and very small rounded or subrounded hard stones
Horizon 2	25-40cm Very dark greyish brown (10YR 3/2) medium sandy loam with 10% small and very small rounded hard stones few ochreous mottles and medium angular blocky structure. Biopores and roots visible through profile.
Horizon 3	40-60 Grey (10YR 5/1) loamy medium sand with 20% small and very small, rounded stones and a coarse platy structure
Horizon 4	60-120 Brown (7.5YR 4/3) clay with a poor structure (too dry to accurately determine structure)
Pictures	

Horizon 1	Horizon 2	Horizon 3
		

Slowly permeable layer	Starts at 60cm evidenced by poorly structured clay with mottles evidencing wetness and <0.5% biopores >0.5mm
Gleying	Starts at 60cm evidenced by grey colours and ochreous mottles
Wetness Class	II
Wetness limitation	2
MB Wheat	15.51
MB potatoes	-2.72
Droughtiness Limitation	2

Sample Point No. 138	
Horizon 1	0-25cm Very dark greyish brown (10YR 3/2) loamy medium sand
Horizon 2	25-40cm Dark brown (10YR 3/3) medium sandy loam with few ochreous mottles many ochreous and black mottles and a coarse angular blocky structure.
Horizon 3	40-120 Yellowish Brown (10YR 5/6) medium sand with a medium angular blocky structure
Pictures	

Horizon 1	Horizon 2	Horizon 3
		

Slowly permeable layer	Not present
Gleying	Not present
Wetness Class	I
Wetness limitation	1
MB Wheat	-20.99
MB potatoes	-24.22
Droughtiness Limitation	3b

Sample Point No. 206			
Horizon 1	0-25cm Very dark greyish brown (10YR 3/2) stoneless clay		
Horizon 2	25-70cm Dark greyish brown (10YR 4/2) clay with few ochreous, grey and black mottles and a coarse prismatic structure. No evident biopores on ped faces, few roots between peds but not penetrating them		
Horizon 3	70-120 Grey (10YR 5/1) clay with many ochreous and black mottles and a coarse angular blocky structure. Very little evidence of roots or biopores		
Pictures			
Horizon 1 	Horizon 2 	Horizon 3 	
Slowly permeable layer	Starts at 25cm – evidenced by coarse prismatic structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness		
Gleying	Starts at 25cm evidenced by grey colours and ochreous mottles		
Wetness Class	IV		
Wetness limitation	3b		
MB Wheat	16.14		
MB potatoes	0.98		
Droughtiness Limitation	2		

Sample Point No. 253		
Horizon 1	0-30cm Very dark grey (10YR 3/1) stoneless clay	
Horizon 2	30-120cm Dark greyish brown (10YR 4/2) clay with many ochreous mottles and a massive structure. No evident biopores or roots	
Horizon 3	Not Present	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 – not present
Slowly permeable layer	Starts at 30cm – evidenced by massive structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness	
Gleying	Starts at 30cm evidenced by grey colours and ochreous mottles	
Wetness Class	IV	
Wetness limitation	3b	
MB Wheat	18.14	
MB potatoes	2.98	
Droughtiness Limitation	2	

Sample Point No. 351	
Horizon 1	0-25cm Very dark greyish brown (10YR 3/2) stoneless heavy clay loam
Horizon 2	25-40cm Dark grey (10YR 4/1) clay loam with many ochreous mottles and a weak medium angular blocky structure. No evident biopores or roots
Horizon 3	40-120 Grey (10YR 6/1) coarse loamy sand with 10% very small sub rounded stones, many ochreous mottles and a coarse platy structure
Pictures	

Horizon 1	Horizon 2	Horizon 3
		

Slowly permeable layer	Starts at 25cm – evidenced by weak medium angular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness
Gleying	Starts at 25cm evidenced by grey colours and ochreous mottles
Wetness Class	IV
Wetness limitation	3b
MB Wheat	16.14
MB potatoes	0.98
Droughtiness Limitation	2

Sample Point No. 443			
Horizon 1	0-40cm Very dark greyish brown (10YR 3/2) stoneless sandy clay loam		
Horizon 2	40-60cm Greyish brown (10YR 5/2) clay loam with many ochreous mottles and a weak coarse subangular blocky structure. No evident biopores or roots		
Horizon 3	60-120 Brown (10YR 5/3) coarse sand with common ochreous mottles and a moderate structure (Too dry to be definitive on structure)		
Pictures			
Horizon 1 		Horizon 2 	Horizon 3 – no photo
Slowly permeable layer	Starts at 35cm – evidenced by weak coarse subangular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness		
Gleying	Starts at 35cm evidenced by grey colours and ochreous mottles		
Wetness Class	IV		
Wetness limitation	3b		
MB Wheat	8.13		
MB potatoes	4.04		
Droughtiness Limitation	2		

Sample Point No. 511		
Horizon 1	0-40cm Very dark greyish brown (10YR 3/2) stoneless sandy clay loam	
Horizon 2	40-60cm Dark greyish brown (10YR 4/2) clay loam with few ochreous mottles and a coarse angular blocky structure. No evident biopores and few roots	
Horizon 3	60-120 Brown (10YR 5/3) clay loam with many ochreous mottles and a coarse prismatic structure	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 40cm – evidenced by coarse angular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness	
Gleying	Starts at 40cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	8.13	
MB potatoes	4.04	
Droughtiness Limitation	2	

Sample Point No. 588		
Horizon 1	0-25cm Dark greyish brown (10YR 4/2) stoneless clay	
Horizon 2	25-120cm Grey (10YR 5/1) clay with many ochreous mottles and a coarse angular blocky structure. No evident biopores and few roots	
Horizon 3	Not Present	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 – not present
Slowly permeable layer	Starts at 25cm – evidenced by coarse angular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness	
Gleying	Starts at 25cm evidenced by grey colours and ochreous mottles	
Wetness Class	IV	
Wetness limitation	3b	
MB Wheat	16.13	
MB potatoes	1.04	
Droughtiness Limitation	2	

Sample Point No. 648			
Horizon 1	0-30cm Very dark greyish brown (10YR 3/2) stoneless medium clay loam		
Horizon 2	30-50cm Brown (10YR 5/3) clay loam with many ochreous and grey mottles and a coarse angular blocky structure. No evident biopores and few roots		
Horizon 3	50-120cm Brown (10YR 5/3) clay loam with many ochreous mottles and a coarse prismatic structure. No evident biopores and few roots		
Pictures			
Horizon 1 		Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by coarse angular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness		
Gleying	Starts at 30cm evidenced by pale colours and ochreous mottles		
Wetness Class	IV		
Wetness limitation	3b		
MB Wheat	18.37		
MB potatoes	1.2		
Droughtiness Limitation	2		

Sample Point No. 663		
Horizon 1	0-30cm Dark greyish brown (10YR 4/2) heavy clay loam with few small hard subrounded stones	
Horizon 2	30-70cm Brown (7.5YR 5/3) clay with many ochreous mottles and a weak medium angular blocky structure. 0.2% biopores and few roots	
Horizon 3	70 – Impenetrable due to rock/boulder layer	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3
Slowly permeable layer	Starts at 30cm – evidenced by weak medium angular blocky structure with less than 0.5% biopores >0.5mm and mottles evidencing wetness	
Gleying	Starts at 30cm evidenced by pale colours and ochreous mottles	
Wetness Class	IV	
Wetness limitation	3b	
MB Wheat	-30.67	
MB potatoes	1.2	
Droughtiness Limitation	3b	

ANALYTICAL REPORT

Report Number	**35861-22**	**W250**	**AMET PROPERTY**
Date Received	**26-SEP-2022**		**HENWICK BARN**
Date Reported	**06-OCT-2022**		**BULWICK**
Project	**SOIL**		**CORBY**
Reference	**JBM**		**NORTHANTS**
Order Number			**NN17 3DU**

Laboratory Reference		**SOIL580635**	**SOIL580636**	**SOIL580637**	**SOIL580638**	**SOIL580639**					
Sample Reference		**RISTON 253**	**RISTON 295**	**RISTON 359**	**RISTON 359 SS1**	**RISTON 376**					
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**					
Coarse Sand 2.00-0.63mm	% w/w	4	2	6	19	3					
Medium Sand 0.63-0.212mm	% w/w	25	6	46	45	22					
Fine Sand 0.212-0.063mm	% w/w	14	11	15	17	20					
Silt 0.063-0.002mm	% w/w	20	33	13	8	18					
Clay <0.002mm	% w/w	37	48	20	11	37					
Stones >50mm	% w/w	0.0	0.0	0.0	0.0	0.0					
Stones 20-50mm	% w/w	13.3	2.9	1.2	4.7	5.0					
Stones 2-20mm	% w/w	3.1	0.4	1.0	6.3	1.3					
Organic Matter LOI	% w/w	4.7	10.2	6.2	1.9	18.9					
Textural Class **		C	C	SCL	LmS/mSL	C/SC					

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
The results as reported relate only to the item(s) submitted for testing.
The results are presented on a dry matter basis unless otherwise stipulated.

Document Control

** Please see the attached document for the definition of textural classes.

Reported by [redacted]

Natural Resource Management, a trading division of Cawood Scientific Ltd.
Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS
Tel: 01344 886338
Fax: 01344 890972
email: enquiries@nrm.uk.com

ANALYTICAL REPORT

Report Number	**35862-22**	**W250**	**AMET PROPERTY**
Date Received	**26-SEP-2022**		**HENWICK BARN**
Date Reported	**06-OCT-2022**		**BULWICK**
Project	**SOIL**		**CORBY**
Reference	**JBM**		**NORTHANTS**
Order Number			**NN17 3DU**

Laboratory Reference		**SOIL580640**	**SOIL580641**	**SOIL580642**	**SOIL580643**	**SOIL580644**	**SOIL580645**				
Sample Reference		**RISTON 82**	**RISTON 90**	**RISTON 102**	**RISTON 112**	**RISTON 146**	**RISTON 206**				
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**				
Coarse Sand 2.00-0.63mm	% w/w	3	3	9	10	7	9				
Medium Sand 0.63-0.212mm	% w/w	22	8	28	25	52	9				
Fine Sand 0.212-0.063mm	% w/w	25	8	16	29	23	15				
Silt 0.063-0.002mm	% w/w	26	23	16	19	7	26				
Clay <0.002mm	% w/w	24	58	31	17	11	41				
Stones >50mm	% w/w	0.0	0.0	0.0	0.0	0.0	0.0				
Stones 20-50mm	% w/w	3.4	0.0	0.0	0.0	0.0	0.0				
Stones 2-20mm	% w/w	0.9	1.1	1.0	1.2	2.0	2.2				
Organic Matter LOI	% w/w	4.2	22.7	9.0	3.9	3.4	6.9				
Textural Class **		SCL/MCL	C	SC	mSL	LmS	C				

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
The results as reported relate only to the item(s) submitted for testing.
The results are presented on a dry matter basis unless otherwise stipulated.

Document Control

This test report shall not be reproduced, except in full, without the written approval of the laboratory.

** Please see the attached document for the definition of textural classes.

Reported by [redacted]

Natural Resource Management, a trading division of Cawood Scientific Ltd.
Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS
Tel: 01344 886338
Fax: 01344 890972
email: enquiries@nrm.uk.com

ANALYTICAL REPORT

Report Number	**39131-22**	**W250**	**AMET PROPERTY**
Date Received	**13-OCT-2022**		**HENWICK BARN**
Date Reported	**31-OCT-2022**		**BULWICK**
Project	**SOIL**		**CORBY**
Reference	**JBM**		**NORTHANTS**
Order Number			**NN17 3DU**

Laboratory Reference		**SOIL584550**	**SOIL584551**	**SOIL584552**	**SOIL584553**						
Sample Reference		**RISTON 664**	**RISTON 696**	**RISTON 744**	**RISTON 865**						
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**						
Coarse Sand 2.00-0.63mm	% w/w	2	3	1	1						
Medium Sand 0.63-0.212mm	% w/w	8	5	44	1						
Fine Sand 0.212-0.063mm	% w/w	8	6	27	2						
Silt 0.063-0.002mm	% w/w	31	22	13	42						
Clay <0.002mm	% w/w	51	64	15	54						
Organic Matter LOI	% w/w	21.3	8.4	7.3	19.0						
Textural Class **		C	C	mSL	C						

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
The results as reported relate only to the item(s) submitted for testing.
The results are presented on a dry matter basis unless otherwise stipulated.

Document Control

This test report shall not be reproduced, except in full, without the written approval of the laboratory.

** Please see the attached document for the definition of textural classes.

Reported by [redacted]

Natural Resource Management, a trading division of Cawood Scientific Ltd.
Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS
Tel: 01344 886338
Fax: 01344 890972
email: enquiries@nrm.uk.com

ANALYTICAL REPORT

Report Number	**44740-22**	**W250**	**AMET PROPERTY**
Date Received	**14-NOV-2022**		**HENWICK BARN**
Date Reported	**22-NOV-2022**		**BULWICK**
Project	**SOIL**		**CORBY**
Reference	**JBM**		**NORTHANTS**
Order Number			**NN17 3DU**

Laboratory Reference		**SOIL591973**	**SOIL591974**	**SOIL591975**	**SOIL591976**	**SOIL591977**	**SOIL591978**				
Sample Reference		**RISTON 447**	**RISTON 450**	**RISTON 482**	**RISTON 508**	**RISTON 560**	**RISTON 611**				
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**				
Coarse Sand 2.00-0.63mm	% w/w	4	7	7	9	3	1				
Medium Sand 0.63-0.212mm	% w/w	57	42	31	38	15	7				
Fine Sand 0.212-0.063mm	% w/w	17	16	21	15	19	11				
Silt 0.063-0.002mm	% w/w	11	15	17	16	27	32				
Clay <0.002mm	% w/w	11	20	24	22	36	49				
Organic Matter LOI	% w/w	2.9	3.5	3.4	4.0	9.5	16.3				
Textural Class **		mSL	SCL	SCL	SCL	C	C				

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
The results as reported relate only to the item(s) submitted for testing.
The results are presented on a dry matter basis unless otherwise stipulated.

** Please see the attached document for the definition of textural classes.

Reported by [redacted]

Natural Resource Management, a trading division of Cawood Scientific Ltd.
Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS
Tel: 01344 886338
Fax: 01344 890972
email: enquiries@nrm.uk.com

ADAS (UK) Textural Class Abbreviations

The texture classes are denoted by the following abbreviations:

Class	Code
Sand	S
Loamy sand	LS
Sandy loam	SL
Sandy Silt loam	SZL
Silt loam	ZL
Sandy clay loam	SCL
Clay loam	CL
Silt clay loam	ZCL
Clay	C
Silty clay	ZC
Sandy clay	SC

For the *sand, loamy sand, sandy loam* and *sandy silt loam* classes the predominant size of sand fraction may be indicated by the use of prefixes, thus:

- vf Very Fine (more than 2/3's of sand less than 0.106 mm)
- f Fine (more than 2/3's of sand less than 0.212 mm)
- c Coarse (more than 1/3 of sand greater than 0.6 mm)
- m Medium (less than 2/3's fine sand and less than 1/3 coarse sand).

The subdivisions of *clay loam* and *silty clay loam classes* according to clay content are indicated as follows:

- M medium (less than 27% clay)
- H heavy (27-35% clay)

Organic soils i.e. those with an organic matter greater than 10% will be preceded with a letter O.

Peaty soils i.e. those with an organic matter greater than 20% will be preceded with a letter P.

APPENDIX 5 - DESCRIPTION OF ALC GRADES

Grade 1 - excellent quality agricultural land Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.

Grade 2 - very good quality agricultural land Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

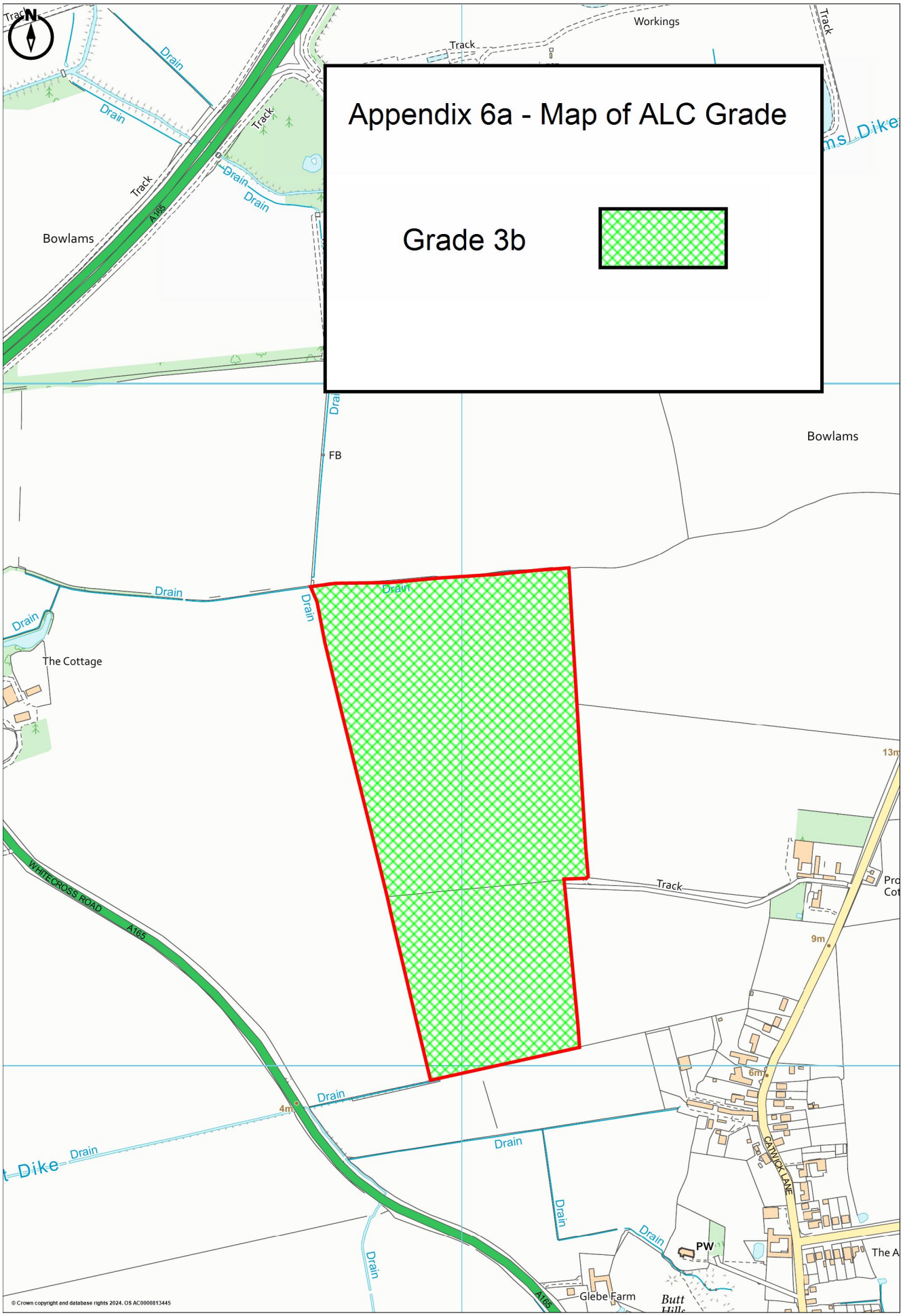
Grade 3 - good to moderate quality agricultural land Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

Subgrade 3a - good quality agricultural land Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.

Subgrade 3b - moderate quality agricultural land Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

Grade 4 - poor quality agricultural land Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

Grade 5 - very poor-quality agricultural land Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.



Appendix 6b - Map of Sample Points

Grade 1

Grade 2

Grade 3a

Grade 3b

Grade 4

Non - Agricultural

Appendix 6c - Map of ALC Grade

- Grade 2
- Grade 3a
- Grade 3b
- Grade 4
- Non - Agricultural

Appendix 6d - Map of ALC Grade

Grade 2

Grade 3a

Grade 3b

Grade 4

RWE Renewables UK Limited

Windmill Hill Business Park,
Whitehill Way,
Swindon,
Wiltshire,
England,
SN5 6PB
www.rwe.com