

The Drovers Solar Farm

Appendix 11.2: Agricultural Land Classification

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Date: November 2025

PINS reference: EN0110013

Document reference: APP/6.4 (Original)

APFP Regulation Reg 5(2)(a)

Planning Act 2008

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



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1. EXECUTIVE SUMMARY

- 1.1 This report assesses the Agricultural Land Classification (ALC) grading of 829.4 Ha of land to the south of Castle Acre in Norfolk.
- 1.2 The limiting factor is found to be droughtiness across most of the site.
- 1.3 Where there is a sand topsoil, topsoil texture is the most limiting factor
- 1.4 Occasionally where there is a heavier topsoil and clay subsoil wetness is the most limiting factor.
- 1.5 The land is graded as follows:

Grade 1:	17.5 Ha
Grade 2:	276.4 Ha
Grade 3a:	160.9 Ha
Grade 3b:	324.4 Ha
Grade 4:	20.2 Ha
Non-Agricultural:	30.0 Ha

2. INTRODUCTION

- 2.1 Amet Property Ltd have been instructed by Kernon Countryside Consultants, on behalf of The Drovers Solar Farm Limited (the Applicant), to produce an Agricultural Land Classification (ALC) report on an 829.4-hectare site on land south of Castle Acre in Norfolk.
- 2.2 This ALC report (**ES Appendix 11.2: Agricultural Land Classification [APP/6.4]**) is to be read alongside **ES Chapter 11: Soils and Agriculture [APP/6.2]** for the Scheme as described in **ES Chapter 5: The Scheme [APP/6.1]**.
- 2.3 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**.
- 2.4 The report is based on a site visit conducted by James Fulton and 5 assistant surveyors across 28 man-days in August, September, October and November 2024. The weather ranged from sunny to overcast with showers. Ground conditions started moist through all horizons but became too dry in mid-August. Survey work restarted in late September after substantial rain so that soils at all horizons were again moist. Having surveyed some of the site while conditions were too dry this area was revisited after rain to confirm findings. The report was continued with additional land in the north of the site which was visited by two surveyors on the 30 September 2025.
- 2.5 During the inspections, 26 trial pits were dug to a depth of 120cm or as deep as possible if the sample point became impenetrable. 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 handbook¹; where an auger has been used the structure is described as good, moderate or poor based on figure 9,10 and 11 in the MAFF² guidance. Colours are described using Munsell Colours³.
- 2.6 The Site is described in literature as likely to be calcareous and so hydrochloric acid was used to test in field for a reaction that would indicate calcareous soils.

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

- 2.7 The surveyed area extends in total to 829.4Ha of land of which 799.4 is agricultural. The agricultural land is primarily arable. The land is south of Castle Acre and north of Swaffham bounded to the east by the A1065. This report provides the results for a reduced area of 775.4Ha.
- 2.8 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.
- 2.9 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.
- 2.10 The principal factors influencing agricultural production are climate, site and soil and the interaction between them MAFF (1988) & Natural England (2012)⁴.
- 2.11 **ES Appendix 11.2: Agricultural Land Classification [APP/6.4]** has been prepared and formatted considering the latest BSSS guidance⁵.

3. PUBLISHED INFORMATION

- 3.1 The British Geological Survey 1:50,000 scale map shows the bedrock geology of the site to be largely Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation and Culver Chalk Formation – chalk. The land south of Finger Hill and surrounding Fincham Drove shows bedrock geology of the site to be Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation and Culver Chalk Formation – chalk with superficial deposits of Lowestoft Formation – diamicton.
- 3.2 The soils on the Site are identified as being largely 554b WORLINGTON Association, deep well drained sandy soils in places very acid with subsurface pan. The land between Narford Lane and River Road is identified in 343f NEWMARKET 1 Association, shallow well drained calcareous sandy and coarse loamy soils over chalk or chalk rubble. The field above the Bartholomew's Hill Plantation wood is identified as 343f NEWMARKET 1 Association, shallow well drained calcareous sandy and coarse loamy soils over chalk or chalk rubble.
- 3.3 The 1:250,000 series Agricultural Land Classification maps show the land to be largely Grade 3 apart from patches of land between Narford Lane and River Road which is shown as Grade 4 and a very small area in the southeast reported to be grade 2. These plans are of strictly limited value, using an out-

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

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**

Grid Reference	580225,312677
Altitude (ALT)	68
Average Annual Rainfall (AAR)	700
Accumulated Temperature - Jan to June (ATO)	1359
Duration of Field Capacity (FCD)	144
Moisture Deficit Wheat	102
Moisture Deficit Potatoes	93

- 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 The site is shown to be in flood zone 1 – areas with a less than 1 in 1000 annual chance of flooding. Apart from a small area of land in the northeastern corner of the site which was found to be in flood zone. There was no evidence of flooding seen during the site visit and it is considered that will not result in a limitation to land grade.

5. STONINESS

- 5.1 Many of the survey points were recorded as having up to 15% small and medium hard rounded to angular hard stones. Despite the soil mapping suggesting that many of the soils would be over chalk or chalk rubble in most cases the subsoil stones were found to be hard limestone that could not be scratched with a fingernail with chalk found in a smaller number of locations. While there were stones found in a lot of locations, they were never numerous or large enough to provide a limit to land grade.

6. GRADIENT AND MICRORELIEF

- 6.1 The Site is largely flat and sometimes gently sloping with no gradient or microrelief to limit 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**.
- 7.2 Most topsoils were medium sand, loamy medium sand or medium sandy loam, often changing repeatedly between all three over short distances. Topsoils were occasionally sandy clay loam, but this made up only around 5% of survey points.
- 7.3 Where topsoils are loamy sand, they are limited to grade 2. Where topsoils are sand, they are limited to grade 3b.
- 7.4 The subsoils across the site also varied significantly over short distances with subsoil textures recorded as everything from medium sand through to clay. The upper subsoil, no matter the texture, was always found to be moderately structured. When inspected with a spade the upper subsoils were usually found to be angular blocky or subangular blocky and firm consistence but without the pan that the soil type mapping suggested may be present. The majority of lower subsoils were also moderately structured with some of the clay/clay loam subsoils recorded as poor, gleyed and slowly permeable with a coarse angular blocky structure identified.
- 7.5 Where the mapping identified that soils were likely to be over chalk or chalk rubble this was sometimes identified but more often the stones found were much harder and recorded as hard limestone rather than chalk.
- 7.6 While recording on site an assessment with hydrochloric acid was carried out. During the assessment of the data this information was corrupted and so it is not included in the report except where it was recorded at the trial pit locations. This is not considered critical to the grading as it would only affect the wetness assessment, and this affects very few survey points and none in areas where calcareous soils were found.
- 7.7 Because the soils changed so significantly and repeatedly over short distances it is difficult to provide a description of the soil profile as part of the body of the report which is why there is such a large number of trial pit descriptions at **Appendix 4**.

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 to determine the ALC grade according to wetness. The wetness assessment can be found at **Appendix 4**.
- 8.2 In most survey points there was no slowly permeable layer and no gleying identified resulting in an assessment of wetness class I, resulting in no limit for any of the topsoils identified.
- 8.3 Where there was a gleyed horizon at more than 40cm and slowly permeable layer at more than 50cm or a gleyed horizon at less than 40cm and slowly permeable layer at more than 66cm the assessment gives wetness class II. Table 6, 126-150FCD, wetness class II and sand, sandy loam or loamy sand topsoil results in no limit to land grade while a sandy clay loam topsoil results in a grade 2 limit.
- 8.4 Where there was a gleyed horizon within 40cm and slowly permeable layer between 38cm and 66cm the assessment gives wetness class III. Table 6, 126-150FCD, wetness class III and sand, sandy loam or loamy sand topsoil results in a grade 2 limit to land grade while a sandy clay loam topsoil results in a grade 3a limit.

9. DROUGHTINESS

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

$$MB \text{ (Wheat)} = AP \text{ (Wheat)} - MD \text{ (Wheat)}$$

and

$$MB \text{ (Potatoes)} = AP \text{ (Potatoes)} - MD \text{ (Potatoes)}$$

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:

$$MD \text{ (Wheat)} = 102$$

$$MD \text{ (Potatoes)} = 93$$

- 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 (MB) was calculated for all survey points and can be found at **Appendix 4**.
- 9.5 Droughtiness is the most limiting factor for most survey points especially where soils are particularly sandy, stony or shallow.

10. AGRICULTURAL LAND CLASSIFICATION

- 10.1 **ES Appendix 11.2: Agricultural Land Classification [APP/6.4]** 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 principal 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 principal 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 principally by droughtiness with a small number of survey points limited by topsoil texture or wetness.
- 10.4 The soils change significantly and repeatedly over short distances and so a pattern limitation is applied where the land grade changes repeatedly over these short distances.
- 10.5 The breakdown of land by classification of the land reported is:
- | | |
|-------------------|----------|
| Grade 1: | 17.5 Ha |
| Grade 2: | 276.4 Ha |
| Grade 3a: | 160.9 Ha |
| Grade 3b: | 324.4 Ha |
| Grade 4: | 20.2 Ha |
| Non-Agricultural: | 30.0 Ha |
- 10.6 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)*

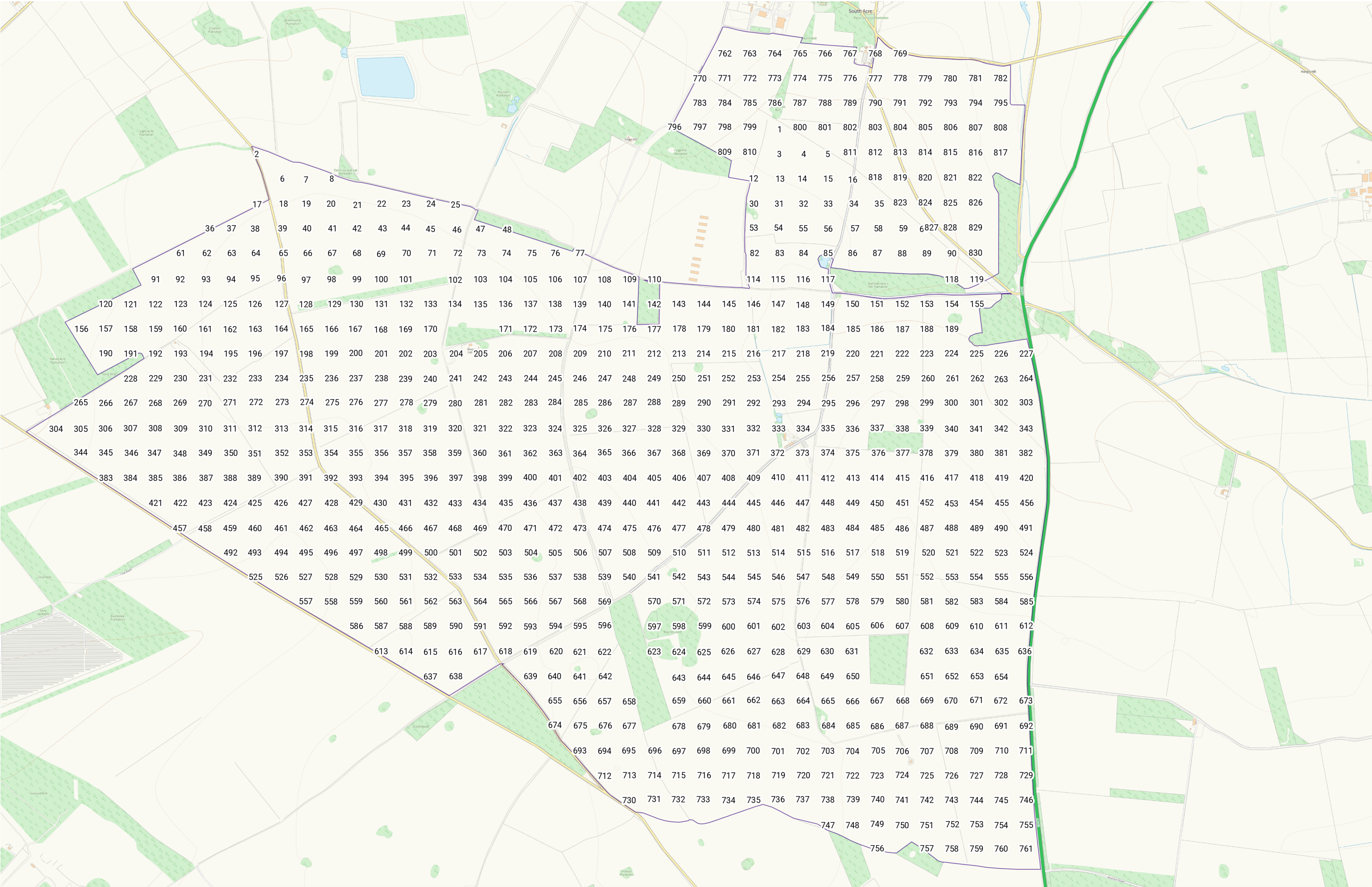
Professional Standards

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

All assistant surveyors have completed the BSSS working with soil course and have been trained to meet the requirements of BSSS Document 1 *Foundation skills in field soil investigation, description, and interpretation*.

Appendix 2 - Map of Survey Points



Appendix 3 – Climatic Data

Site Details: The Droles

Grid reference (centre of site): 5080225,312677

Altitude: Mean 68.38 AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
58003100	71	670	1.1	335	1357	2361	105	96	137
58003150	29	679	1.1	340	1403	2412	108	101	141
58503100	61	702	0.8	355	1367	2374	102	93	148
58503150	65	699	0.9	360	1361	2367	100	91	150

Altitude Adjusted:

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
58003100	667.12	1359.99	136.58	105.47	96.62	35.44%
58003150	722.32	1358.11	147.26	100.93	91.71	46.96%
58503100	707.90	1358.59	148.85	100.83	91.46	8.53%
58503150	702.04	1357.15	150.44	99.44	90.26	9.07%

Sample No	Altitude	Topsoil		Stoniness			Mottles	Upper Subsoil		Stoniness	Mottles	Lower Subsoil			Stoniness	Mottles	Structure	Grade	Grade	Grade	Wetness Assessment		Grade	Droughtiness Assessment		Grade	Most limiting			
		Depth	Texture	Colour	<2cm	2-6cm		>6cm	Depth			Texture	Colour	limit by Depth				limit by Stoniness	limit by Texture	Depth to Gleyed	SPL	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness				
89	52	Non Agricultural																												
90	50	0 - 40	LmS	10YR 4 / 4	10%			40 - 45	mS	10YR 6 / 4	15%	FOB	Moderate	45 - 120	Stone	/		Poor	1	2	2			I	1	-48.14	-40.55	3b	3b	
91	65	0 - 40	mS	10YR 4 / 3	2%	5%		40 - 60	LmS	7.5YR 5 / 6			Moderate	60 - 120	Stone	/		Poor	1	3b	3b			I	1	-39.47	-29.38	3b	3b	
92	67	0 - 40	mS	10YR 4 / 3	2%	5%		40 - 50	LmS	7.5YR 5 / 6			Moderate	50 - 120	Stone	/		Poor	1	3b	3b			I	1	-44.97	-37.38	3b	3b	
93	69	0 - 35	mS	10YR 4 / 2	2%		2%	35 - 70	mS	7.5YR 5 / 6			Moderate	70 - 120	LmS	10YR 6 / 4	FO	Moderate	1	3b	3b			I	1	-13.36	-30.26	3b	3b	
94	71	0 - 40	LmS	10YR 4 / 2		5%	2%	40 - 120	mSL	10YR 6 / 4			Moderate	-		/			1	2	2			I	1	38.25	0.34	2	2	
95	72	0 - 45	mSL	10YR 4 / 2		5%		45 - 70	mS	7.5YR 4 / 4			Moderate	70 - 120	SCL	7.5YR 4 / 4		Moderate	1	1	1			I	1	34.01	-2.90	2	2	
96	73	Non Agricultural																												
97	75	0 - 30	mSL	10YR 4 / 2				30 - 60	mSL	7.5YR 5 / 4			Moderate	60 - 120	mS	10YR 6 / 3		Moderate	1	1	1			I	1	19.61	9.70	2	2	
98	75	0 - 35	mSL	10YR 4 / 2				35 - 50	mSL	7.5YR 5 / 4			Moderate	50 - 120	mS	10YR 6 / 3		Moderate	1	1	1			I	1	14.61	2.70	2	2	
99	76	0 - 35	mSL	10YR 4 / 2				35 - 55	mSL	7.5YR 5 / 4			Moderate	55 - 120	mS	10YR 6 / 2		Moderate	1	1	1			I	1	17.61	6.70	2	2	
100	77	0 - 30	mSL	10YR 4 / 2				30 - 50	mSL	7.5YR 5 / 4			Moderate	50 - 120	mS	10YR 6 / 3		Moderate	1	1	1			I	1	13.61	1.70	2	2	
101	78	0 - 35	mSL	10YR 4 / 2				35 - 50	mSL	7.5YR 5 / 4			Moderate	50 - 120	mS	10YR 6 / 3		Moderate	1	1	1			I	1	14.61	2.70	2	2	
102	74	0 - 40	mSL	10YR 4 / 2				40 - 60	mSL	7.5YR 5 / 4			Moderate	60 - 120	mS	10YR 6 / 2		Moderate	1	1	1			I	1	21.61	11.70	2	2	
103	72	0 - 35	mSL	10YR 4 / 2				35 - 50	mSL	7.5YR 5 / 4			Moderate	50 - 120	mS	10YR 6 / 3		Moderate	1	1	1			I	1	14.61	2.70	2	2	
104	71	0 - 30	LmS	10YR 4 / 2				30 - 60	mSL	10YR 5 / 4			Moderate	60 - 120	C	10YR 6 / 3	CO	Poor	1	2	2	60	60	II	1	19.61	3.70	2	2	
105	68	0 - 30	LmS	10YR 4 / 2				30 - 55	mSL	10YR 5 / 4			Moderate	55 - 120	C	10YR 6 / 3	CO	Poor	1	2	2	55	55	II	1	17.61	2.70	2	2	
106	65	0 - 30	LmS	10YR 4 / 2				30 - 55	mSL	10YR 5 / 4			Moderate	55 - 120	C	10YR 6 / 3	CO	Poor	1	2	2	55	55	II	1	17.61	2.70	2	2	
107	63	0 - 35	LmS	10YR 4 / 3				35 - 50	LmS	7.5YR 5 / 3	5%	FO	Moderate	50 - 120	Stone	/		Poor	1	2	2			I	1	-40.49	-32.90	3b	3b	
108	66	0 - 30	LmS	10YR 4 / 3	2%			30 - 50	mS	7.5YR 5 / 6		FO	Moderate	50 - 120	mS	10YR 7 / 4	5%	VFO	Moderate	1	2	2			I	1	-16.69	-27.62	3a	3a
109	66	0 - 30	mSL	10YR 4 / 3				30 - 50	mSL	7.5YR 5 / 6		FO	Moderate	50 - 120	C	7.5YR 5 / 3		CO	Poor	1	1	1	50	50	III	1	27.61	13.70	2	2
114	62	0 - 40	mSL	10YR 4 / 3	5%			40 - 120	mSL	7.5YR 5 / 4	10%	COB	Moderate	-		/			1	1	1			I	1	45.66	12.30	1	1	
115	61	0 - 45	mSL	10YR 4 / 3	5%			45 - 120	mSL	7.5YR 5 / 4	15%	COB	Moderate	-		/			1	1	1			I	1	42.93	11.85	1	1	
116	60	0 - 45	mSL	10YR 4 / 3	5%			45 - 120	mSL	7.5YR 5 / 4	20%	COB	Moderate	-		/			1	1	1			I	1	38.91	10.10	1	1	
117	60	0 - 45	mSL	10YR 4 / 3	5%			45 - 120	mSL	7.5YR 5 / 4	15%	COB	Moderate	-		/			1	1	1			I	1	42.93	11.85	1	1	
118	47	0 - 40	LmS	10YR 4 / 4	10%			40 - 50	mS	10YR 6 / 4	15%	FOB	Moderate	50 - 120	Stone	/		Poor	1	2	2			I	1	-45.59	-38.00	3b	3b	
119	46	0 - 40	LmS	10YR 4 / 4	10%			40 - 45	mS	10YR 6 / 4	15%	FOB	Moderate	45 - 120	Stone	/		Poor	1	2	2			I	1	-48.14	-40.55	3b	3b	
120	62	0 - 40	LmS	10YR 4 / 3	2%	5%	2%	40 - 60	LmS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/		Poor	1	2	2			I	1	-36.71	-26.62	3b	3b	
121	65	0 - 40	LmS	10YR 4 / 3	2%	5%	2%	40 - 60	LmS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/		Poor	1	2	2			I	1	-36.71	-26.62	3b	3b	
122	69	0 - 35	LmS	10YR 4 / 3	2%	5%	2%	35 - 60	Chalk	/			Poor	60 - 120	Stone	/		Poor	1	2	2			I	1	-35.67	-25.58	3b	3b	
123	70	0 - 40	LmS	10YR 4 / 3	2%	5%	2%	40 - 50	Chalk	/			Poor	50 - 120	Stone	/		Poor	1	2	2			I	1	-41.21	-33.62	3b	3b	
124	72	0 - 40	mSL	10YR 4 / 3	2%	5%	5%	40 - 60	Chalk	/			Poor	60 - 120	Stone	/		Poor	1	1	1			I	1	-22.07	-11.98	3b	3b	
125	74	0 - 30	mSL	10YR 4 / 2	2%			30 - 60	mSL	10YR 5 / 4			Moderate	60 - 120	C	10YR 6 / 6		Moderate	1	1	1			I	1	36.65	17.74	1	1	
126	76	0 - 40	SCL	10YR 4 / 2		5%	2%	40 - 60	SCL	10YR 5 / 6		FOB	Moderate	60 - 120	C	10YR 5 / 3		Poor	1	1	1	60	60	II	2	28.13	13.22	2	2	
127	77	0 - 40	mSL	10YR 4 / 2	2%	2%		40 - 90	LmS	7.5YR 4 / 4			Moderate	90 - 120	C	10YR 5 / 2		COB	Poor	1	1	1	90	90	II	1	17.05	-0.86	2	2
128	77	Non Agricultural																												
129	75	Non Agricultural																												
130	74	0 - 30	SCL	10YR 4 / 2	2%			30 - 40	C	2.5Y 5 / 4			Moderate	40 - 120	C	10YR 6 / 2		COB	Poor	1	1	1	40	40	III	3a	25.65	11.74	2	3a
131	75	0 - 40	mSL	10YR 3 / 3				40 - 90	LmS	7.5YR 4 / 4			Moderate	90 - 120	mS	7.5YR 6 / 2	10%		Moderate	1	1	1			I	1	12.26	1.70	2	2
132	74	0 - 50	mSL	10YR 3 / 3				50 - 100	LmS	7.5YR 4 / 4			Moderate	100 - 120	mS	7.5YR 6 / 2	10%		Moderate	1	1	1			I	1	21.71	9.70	2	2
133	70	0 - 65	mSL	10YR 3 / 3				65 - 100	LmS	7.5YR 4 / 4			Moderate	100 - 120	mS	7.5YR 6 / 2	10%		Moderate	1	1	1			I	1	38.21	21.70	1	1
134	69	0 - 35	mSL	10YR 4 / 3				35 - 120	mS	7.5YR 5 / 4	5%		Moderate	-		/			1	1	1			I	1	0.58	-10.35	3a	3a	
135	66	0 - 40	mSL	10YR 4 / 3				40 - 120	mS	7.5YR 5 / 4	5%		Moderate	-		/			1	1	1			I	1	5.73	-5.20	2	2	
136	67	0 - 30	mSL	10YR 4 / 3				30 - 120	mS	7.5YR 5 / 4	5%		Moderate	-		/			1	1	1			I	1	-4.57	-15.50	3a	3a	
137	70	0 - 35	mSL	10YR 4 / 3				35 - 120	mS	7.5YR 5 / 4	5%		Moderate	-		/			1	1	1			I	1	0.58	-10.35	3a	3a	
138	68	0 - 35	LmS	10YR 4 / 3				35 - 50	LmS	7.5YR 5 / 3	5%	FO	Moderate	50 - 120	Stone	/		Poor	1	2	2			I	1	-40.49	-32.90	3b		

Sample No	Topsoil				Stoniness		Upper Subsoil				Stoniness	Lower Subsoil				Stoniness	Wetness Assessment				Droughtiness Assessment		Grade limit by Droughtiness	Most limiting Grade					
	Altitude	Depth	Texture	Colour	<2cm 2-6cm >6cm	Mottles	Depth	Texture	Colour	Depth		Texture	Colour	Depth to Gleyed	SPL		Wetness Class	Wetness limit by Wetness	MB Wheat	MB Potato									
167	75	0 - 40	mSL	10YR 4 / 2	5%	FB	40 - 60	SCL	10YR 5 / 4	5%	FOB	Moderate	60 - 120	C	10YR 6 / 3	CO	Poor	1	1	1	60	60	II	1	28.23	13.10	2	2	
168	76	0 - 30	mSL	10YR 4 / 3			30 - 50	SCL	10YR 5 / 4			Moderate	50 - 120	C	2.5Y 6 / 3	CO	Poor	1	1	1	50	50	III	1	27.61	13.70	2	2	
169	75	0 - 35	mSL	10YR 4 / 3			35 - 60	SCL	10YR 5 / 4			Moderate	60 - 120	C	2.5Y 6 / 3	CO	Poor	1	1	1	60	60	II	1	31.61	16.70	1	1	
170	77	0 - 50	mSL	10YR 3 / 3			50 - 100	LmS	7.5YR 4 / 4			Moderate	100 - 120	mS	7.5YR 6 / 2		Moderate	1	1	1			I	1	22.61	9.70	2	2	
171	73	0 - 35	LmS	10YR 4 / 3			35 - 120	mS	10YR 6 / 6			Moderate	-	-	/			1	2	2			I	1	-11.39	-23.30	3a	3a	
172	71	0 - 30	mSL	10YR 4 / 3			30 - 120	mS	7.5YR 5 / 4	5%		Moderate	-	-	/			1	1	1			I	1	-4.57	-15.50	3a	3a	
173	69	0 - 35	mSL	10YR 4 / 3			35 - 120	mS	10YR 6 / 4			Moderate	-	-	/			1	1	1			I	1	2.61	-9.30	3a	3a	
174	69	0 - 30	LmS	10YR 4 / 3			30 - 50	mS	7.5YR 5 / 6		FO	Moderate	50 - 120	mS	10YR 7 / 4	5%	Moderate	1	2	2			I	1	-15.97	-26.90	3a	3a	
175	72	0 - 35	LmS	10YR 4 / 3			35 - 70	mS	7.5YR 5 / 6		FO	Moderate	70 - 120	mS	10YR 7 / 4	5%	Moderate	1	2	2			I	1	-12.52	-23.30	3a	3a	
176	70	0 - 30	mSL	10YR 4 / 3			30 - 50	mSL	7.5YR 5 / 6		FO	Moderate	50 - 120	C	7.5YR 5 / 4		Moderate	1	1	1			I	1	34.61	19.70	1	1	
177	69	0 - 30	mSL	7.5YR 4 / 3	5%		30 - 80	mSL	7.5YR 5 / 6	5%	CO	Moderate	80 - 120	C	10YR 6 / 4	5%	COB	Poor	1	1	1	80	80	II	1	32.93	12.50	1	1
178	66	0 - 40	SCL	7.5YR 4 / 4	5%		40 - 80	C	10YR 5 / 8	2%	COB	Moderate	80 - 120	Chalk	/			1	1	1			I	1	29.66	18.60	2	2	
179	64	0 - 40	SCL	7.5YR 4 / 3	5%		40 - 75	SCL	7.5YR 5 / 8	2%		Moderate	75 - 120	Chalk	/			1	1	1			I	1	33.15	15.66	1	1	
180	59	0 - 30	SCL	7.5YR 4 / 4	5%		30 - 60	SCL	7.5YR 4 / 6	5%	COB	Moderate	60 - 120	Chalk	/			1	1	1			I	1	26.33	8.20	2	2	
181	55	0 - 30	SCL	10YR 4 / 3	2%	2%	30 - 60	C	10YR 5 / 3	5%	COB	Moderate	60 - 120	C	2.5Y 6 / 4		COB	Moderate	1	1	1	30		II	2	32.81	17.53	1	2
182	53	0 - 40	SCL	10YR 4 / 3	7%		40 - 80	SCL	7.5YR 5 / 6	5%	CO	Moderate	80 - 120	mS	10YR 5 / 6	5%		1	1	1			I	1	23.10	13.12	2	2	
183	52	0 - 40	LmS	10YR 4 / 3	7%		40 - 80	mS	7.5YR 5 / 6	5%	CO	Moderate	80 - 120	mS	10YR 5 / 6	5%		1	2	2			I	1	-13.63	-24.56	3a	3a	
184	50	0 - 40	LmS	10YR 4 / 3	7%		40 - 80	mS	7.5YR 5 / 6	5%	CO	Moderate	80 - 120	mS	10YR 5 / 6	5%		1	2	2			I	1	-13.63	-24.56	3a	3a	
185	51	0 - 40	mSL	10YR 3 / 4	5%	5%	40 - 50	mSL	10YR 3 / 3	25%	FO	Moderate	50 - 120	Chalk	/			1	1	1			I	1	19.71	-0.20	2	2	
186	52	0 - 50	mSL	10YR 3 / 3	5%	5%	50 - IMP	-	/				-	-	/			1	1	1			I	1	#N/A	#N/A	#N/A	3a	
187	50	0 - 50	mSL	10YR 3 / 3	5%	5%	50 - 80	mSL	10YR 5 / 4	25%	FO	Moderate	80 - 120	Stone	/			1	1	1			I	1	1.73	6.70	3a	3a	
188	50	0 - 40	LmS	10YR 4 / 4			40 - 120	Chalk	/			Poor	-	-	/			1	2	2			I	1	8.61	-11.30	3a	3a	
189	51	0 - 40	LmS	10YR 4 / 3	25%		40 - 120	LmS	10YR 4 / 6	10%	CO		-	-	/			1	2	2			I	1	#N/A	#N/A	#N/A	3a	
190	65	0 - 40	mS	10YR 4 / 3	2%	5%	40 - 60	LmS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			1	3b	3b			I	1	-40.35	-30.26	3b	3b	
191	66	0 - 40	mS	10YR 4 / 3	2%	5%	40 - 60	LmS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			1	3b	3b			I	1	-40.35	-30.26	3b	3b	
192	67	0 - 40	mS	10YR 4 / 3	2%	5%	40 - 120	mS	7.5YR 4 / 4			Moderate	-	-	/			1	3b	3b			I	1	-16.35	-28.26	3a	3b	
193	68	0 - 40	mS	10YR 4 / 3	2%	2%	40 - 90	mS	7.5YR 4 / 4			Moderate	90 - 120	Stone	/			1	3b	3b			I	1	-28.53	-26.94	3b	3b	
194	71	0 - 25	SCL	10YR 4 / 3	2%		25 - 45	C	10YR 5 / 2			Moderate	45 - 120	C	10YR 6 / 6		Moderate	1	1	1	25		II	2	35.31	20.40	1	1	
195	72	0 - 30	SCL	10YR 4 / 2	2%	2%	30 - 120	C	10YR 6 / 6			Moderate	-	-	/			1	1	1			I	1	34.69	19.78	1	1	
196	74	0 - 30	SCL	10YR 4 / 2	2%	2%	30 - 120	C	10YR 6 / 6			Moderate	-	-	/			1	1	1			I	1	34.69	19.78	1	1	
197	76	0 - 40	mSL	10YR 4 / 2			40 - 60	SCL	10YR 5 / 4			Moderate	60 - 120	C	10YR 6 / 6		Moderate	1	1	1			I	1	38.61	20.70	1	1	
198	77	0 - 35	SCL	10YR 4 / 2	2%		35 - 50	C	2.5Y 5 / 4			Moderate	50 - 120	C	10YR 6 / 2		FOB	Moderate	1	1	1			I	1	35.99	21.08	1	1
199	76	Non Agricultural																											
200	76	0 - 40	mSL	10YR 4 / 2	5%		40 - 60	SCL	10YR 5 / 4	5%	FOB	Moderate	60 - 120	C	10YR 6 / 3		Moderate	1	1	1			I	1	34.23	16.10	1	1	
201	77	0 - 40	mSL	10YR 4 / 2	5%		40 - 60	SCL	10YR 5 / 4	5%	FOB	Moderate	60 - 120	C	10YR 6 / 3		Moderate	1	1	1			I	1	34.23	16.10	1	1	
202	77	0 - 30	mSL	10YR 4 / 3			30 - 50	SCL	10YR 5 / 4			Moderate	50 - 120	C	2.5Y 6 / 3		Moderate	1	1	1			I	1	34.61	19.70	1	1	
203	78	Non Agricultural																											
204	78	0 - 35	LmS	10YR 5 / 3	5%		35 - 60	SCL	10YR 5 / 4	5%		Moderate	60 - 120	SCL	2.5Y 6 / 4		Moderate	1	2	2			I	1	31.98	0.85	2	2	
205	78	0 - 35	LmS	10YR 5 / 3	5%		35 - 60	SCL	10YR 5 / 4	5%		Moderate	60 - 120	SCL	2.5Y 6 / 4		Moderate	1	2	2			I	1	31.98	0.85	2	2	
206	76	0 - 40	LmS	10YR 5 / 3	5%		40 - 60	SCL	10YR 5 / 4	5%		Moderate	60 - 120	C	2.5Y 6 / 4		Moderate	1	2	2			I	1	19.03	0.90	2	2	
207	76	0 - 40	mSL	10YR 4 / 3	2%	2%	40 - 50	SCL	10YR 5 / 4	5%	COB	Moderate	50 - 75	mSL	10YR 6 / 2		Moderate	1	1	1			I	1	4.85	16.44	3a	3a	
208	73	0 - 40	mSL	10YR 4 / 3	2%	2%	40 - 50	SCL	10YR 5 / 4	5%	COB	Moderate	50 - 75	mSL	10YR 6 / 2		Moderate	1	1	1			I	1	4.85	16.44	3a	3a	
209	71	0 - 40	SCL	7.5YR 4 / 4	5%	2%	40 - 60	SCL	7.5YR 4 / 6	5%	COB	Moderate	60 - 120	C	7.5YR 5 / 3		COB	Poor	1	1	1	60	60	II	2	26.95	11.82	2	2
210	71	0 - 40	SCL	7.5YR 4 / 4	5%	2%	40 - 60	SCL	7.5YR 4 / 6	5%	COB	Moderate	60 - 120	C	7.5YR 5 / 3		COB	Poor	1	1	1	60	60	II	2	26.95	11.82	2	2
211	72	0 - 30	mSL	10YR 4 / 3			30 - 50	mSL	7.5YR 5 / 6		FO	Moderate	50 - 120	C	7.5YR 5 / 3		COB	Poor	1	1	1	50	50	III	2	27.61	13.70	2	2
212	71	0 - 30	mSL	10YR 4 / 3			30 - 50	mSL	7.5YR 5 / 6		FO	Moderate	50 - 120	C	7.5YR 5 / 3		COB	Poor	1	1	1	50	50	III	2	27.61	13.70	2	2
213	70	0 - 40	SCL	10YR 4 / 3	5%		40 - 80	SC	10YR 5 / 4		COB	Moderate	80 - 110	mSL	10YR 6 / 2		Moderate	1	1	1			I	1	40.41	16.50	1	1	
214	68	0 - 40	SCL	7.5YR 4 / 3	5%		40 - 75	SC	7.5YR 5 / 8	2%		Moderate	75 - 100	mSL	10YR 6 / 2		Moderate	1	1	1			I	1	29.15	15.66	2	2	
215	67	0 - 30	SCL	7.5YR 4 / 4	5%		30 - 60	SCL	7.5YR 4 / 6	5%	COB	Moderate	60 - 100	mSL	10YR 6 / 2		Moderate	1	1	1			I	1	28.33	13.20	2	2	
216	66	0 - 30	SCL	7.5YR 4 / 4	5%		30 - 60	SCL	7.5YR 4 / 6	5%	COB	Moderate	60 - 80	mSL	10YR 6 / 2		Moderate	1	1	1			I	1	6.33	13.20	2	2	
217	63	0 - 40	SCL	10YR 4 / 4	5%	2%	40 - 60	SC	10YR 5 / 4	5%	COB	Moderate	60 - 70	mSL	10YR 6 / 2		Moderate	1	1	1			I	1	-4.05	13.82	3a	3a	
218	58	0 - 30	mSL	10YR 4 / 3	5%		30 - 50	mSL	7.5YR 4 / 4	20%	FO	Moderate	50 - 120	Stone	/			1	1	1			I	1	-25.89	-18.30	3b	3b	
219	53	0 - 30	mSL	10YR 4 / 3	5%		30 - 45	mSL	7.5YR 4 / 4	20%	FO	Moderate	45 - 120	Stone	/			1	1	1			I	1	-31.49	-23.90	3b	3b	
220	52	0 - 45	mSL	7.5YR 4 / 3	7%		45 - 70	mSL	7.5YR 4 / 4	20%	FO	Moderate	70 - 120	Chalk	/			1	1	1			I	1	27.97	8.66	2	2	
221	52	0 - 40	mSL	10YR 3 / 3	7%		40 - 70	mSL	7.5YR 4 / 4	20%	CO	Moderate	70 - 120	Chalk	/			1	1	1			I	1	26.13	6.82	2	2	
222	54	0 - 40	mSL	10YR 3 / 3	5																								

																	Grade	Grade	Grade	Wetness Assessment			Grade	Droughtiness Assessment		Grade	Most			
Sample No	Topsoil			Stoniness			Upper Subsoil	Lower Subsoil						limit by	Grade	limit by	Grade	limit by	Wetness	Wetness	limit by	MB	MB	limit by	limiting					
Altitude	Depth	Texture	Colour	<2cm	2-6cm	>6cm	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Stoniness	Texture	Gleyed	SPL	Class	Wetness	Wheat	Potato	Droughtiness	Grade
241	77	0 - 40	LmS	10YR 5 / 3	5%			40 - 60	SCL	10YR 5 / 4	5%		Moderate	60 - 120	SCL	2.5Y 6 / 4			Moderate	1	2	2			I	1	31.03	-0.10	2	2
242	77	0 - 45	LmS	10YR 5 / 3	5%			45 - 60	SCL	10YR 5 / 4	5%		Moderate	60 - 120	SCL	2.5Y 6 / 4			Moderate	1	2	2			I	1	30.08	-1.05	2	2
243	76	0 - 40	LmS	10YR 4 / 3	2%	2%		40 - 80	mS	10YR 5 / 4		COB	Moderate	80 - 120	SCL	10YR 6 / 3			Moderate	1	2	2			I	1	9.69	-22.22	3a	3a
244	74	0 - 40	mSL	10YR 4 / 3	2%	2%		40 - 50	SCL	10YR 5 / 4	5%	COB	Moderate	50 - 60	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	-11.65	1.44	3a	3a
245	74	0 - 40	mSL	10YR 4 / 3	2%	2%		40 - 50	SCL	10YR 5 / 4	5%	COB	Moderate	50 - 75	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	4.85	16.44	3a	3a
246	74	0 - 40	SCL	7.5YR 4 / 4	5%	2%		40 - 60	SCL	7.5YR 4 / 6	5%	COB	Moderate	60 - 120	C	7.5YR 5 / 4	COB		Moderate	1	1	1			I	1	32.95	14.82	1	3a
247	71	0 - 40	LmS	7.5YR 4 / 4	5%	5%	5%	40 - 90	mSL	10YR 5 / 6	25%	COB	Moderate	90 - 120	LmS	10YR 6 / 6			Moderate	1	2	2			I	1	5.41	-14.00	3a	3a
248	70	0 - 40	LmS	7.5YR 4 / 4	5%	5%	5%	40 - 90	mSL	10YR 5 / 6	25%	COB	Moderate	90 - 120	LmS	10YR 6 / 6			Moderate	1	2	2			I	1	5.41	-14.00	3a	3a
249	66	0 - 40	LmS	7.5YR 4 / 4	5%	5%	5%	40 - 90	mSL	10YR 5 / 6	25%	COB	Moderate	90 - 120	LmS	10YR 6 / 6			Moderate	1	2	2			I	1	5.41	-14.00	3a	3a
250	66	0 - 40	mSL	10YR 4 / 3	5%	5%		40 - 70	LmS	7.5YR 5 / 4	20%	COB	Moderate	70 - 90	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	-1.59	-9.50	3a	3a
251	64	0 - 40	mSL	10YR 4 / 3	5%	5%		40 - 80	LmS	7.5YR 5 / 4	20%	COB	Moderate	80 - 110	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	14.31	-9.50	2	2
252	60	0 - 40	mSL	10YR 4 / 3	5%	5%		40 - 70	LmS	7.5YR 5 / 4	20%	COB	Moderate	70 - 90	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	-1.59	-9.50	3a	3a
253	56	0 - 40	LmS	10YR 4 / 4	2%	2%		40 - 75	mS	10YR 5 / 6	20%	FOB	Moderate	75 - 120	mS	10YR 6 / 6	30%		Moderate	1	2	2			I	1	-19.84	-25.82	3a	3a
254	53	0 - 40	SCL	10YR 4 / 4	5%	2%		40 - 75	SCL	10YR 5 / 4	5%	COB	Moderate	75 - 100	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	26.74	13.12	2	2
255	54	0 - 40	mSL	10YR 4 / 3	5%	2%		40 - 60	LfS	10YR 5 / 6	10%	COB	Moderate	60 - 110	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	41.48	12.42	1	1
256	56	0 - 40	mSL	10YR 4 / 4	2%	2%		40 - 50	LmS	7.5YR 5 / 4			Moderate	50 - 120	Stone	/			Poor	1	1	1			I	1	-24.45	-16.86	3b	3b
257	56	0 - 40	mSL	10YR 4 / 4	2%	2%		40 - 50	LmS	7.5YR 5 / 4			Moderate	50 - 120	Stone	/			Poor	1	1	1			I	1	-24.45	-16.86	3b	3b
258	56	0 - 30	mSL	10YR 4 / 4	2%	2%		30 - 50	mSL	10YR 6 / 2			Moderate	50 - 120	Stone	/			Poor	1	1	1			I	1	-19.81	-12.22	3a	3a
259	55	0 - 45	mSL	10YR 4 / 3	5%	2%		45 - 70	mSL	10YR 4 / 4	10%	FO	Moderate	70 - 120	mS	10YR 5 / 6	20%	FO	Moderate	1	1	1			I	1	16.27	12.16	2	2
260	54	0 - 40	LfS	10YR 3 / 4				40 - 120	mSL	7.5YR 4 / 4	15%		Moderate	-	/	/				1	2	2			I	1	48.48	17.40	1	1
261	51	0 - 40	LfS	10YR 3 / 4				40 - 120	mSL	7.5YR 4 / 4	15%		Moderate	-	/	/				1	2	2			I	1	48.48	17.40	1	1
262	49	0 - 40	LfS	10YR 3 / 4				40 - 120	mSL	7.5YR 4 / 4	15%		Moderate	-	/	/				1	2	2			I	1	48.48	17.40	1	1
263	46	0 - 40	LmS	10YR 4 / 4				40 - 45	mSL	7.5YR 5 / 6	20%	FOB	Moderate	45 - 120	Stone	/			Poor	1	2	2			I	1	-40.29	-32.70	3b	3b
264	43	0 - 40	LmS	10YR 4 / 4				40 - 45	mSL	7.5YR 5 / 6	20%	FOB	Moderate	45 - 120	Stone	/			Poor	1	2	2			I	1	-40.29	-32.70	3b	3b
265	60	0 - 40	mS	10YR 4 / 3	2%	2%	2%	40 - 60	mS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			Poor	1	3b	3b			I	1	-42.03	-32.94	3b	3b
266	66	0 - 40	mS	10YR 4 / 3	2%	2%	2%	40 - 120	mS	7.5YR 4 / 4			Moderate	-	/	/				1	3b	3b			I	1	-15.03	-26.94	3a	3b
267	66	0 - 40	mS	10YR 4 / 3	2%	2%	2%	40 - 120	mS	7.5YR 4 / 4			Moderate	-	/	/				1	3b	3b			I	1	-15.03	-26.94	3a	3b
268	66	0 - 40	mS	10YR 4 / 3	2%	2%	2%	40 - 120	mS	7.5YR 4 / 4			Moderate	-	/	/				1	3b	3b			I	1	-15.03	-26.94	3a	3b
269	68	0 - 40	mS	10YR 4 / 3	2%	2%	2%	40 - 120	mS	7.5YR 4 / 4			Moderate	-	/	/				1	3b	3b			I	1	-15.03	-26.94	3a	3b
270	70	0 - 35	LmS	10YR 4 / 2	2%	2%	2%	35 - 120	Stone	/			Poor	-	/	/				1	2	2			I	1	-54.41	-46.82	4	4
271	71	0 - 40	mSL	10YR 4 / 2	2%	2%	2%	40 - 60	mSL	10YR 6 / 4	5%	FO	Moderate	60 - 120	Stone	/			Poor	1	1	1			I	1	-10.46	0.46	3a	3a
272	73	0 - 40	mSL	10YR 4 / 2	2%	2%	2%	40 - 60	mSL	10YR 6 / 4	5%	FO	Moderate	60 - 120	Stone	/			Poor	1	1	1			I	1	-10.46	0.46	3a	3a
273	72	0 - 30	LmS	10YR 4 / 2	5%			30 - 50	mS	10YR 6 / 3			Moderate	50 - 70	C	10YR 5 / 3	COB		Poor	1	2	2	50	50	III	2	-37.19	-16.10	3b	3b
274	71	Non Agricultural																												
275	73	0 - 45	LmS	10YR 3 / 3	2%			45 - 60	mS	10YR 5 / 4	10%	FOB	Moderate	60 - 120	Stone	/			Poor	1	2	2			I	1	-34.22	-25.28	3b	3b
276	75	0 - 35	mSL	10YR 4 / 2	5%			35 - 60	SCL	10YR 5 / 4	5%	FOB	Moderate	60 - 120	C	10YR 6 / 3			Moderate	1	1	1			I	1	33.28	15.15	1	1
277	77	0 - 45	LmS	10YR 3 / 3	5%			45 - 60	mS	10YR 5 / 4	5%	FOB	Moderate	60 - 120	mS	10YR 6 / 4			Moderate	1	2	2			I	1	-8.47	-20.45	3a	3a
278	78	0 - 50	LmS	10YR 3 / 3	5%			50 - 60	mS	10YR 5 / 4	5%	FOB	Moderate	60 - 120	mS	10YR 6 / 4			Moderate	1	2	2			I	1	-5.62	-17.60	3a	3a
279	78	0 - 50	LmS	10YR 3 / 3	5%			50 - 70	mS	10YR 5 / 4	5%	FOB	Moderate	70 - 120	mS	10YR 6 / 4			Moderate	1	2	2			I	1	-5.84	-17.90	3a	3a
280	78	Non Agricultural																												
281	77	0 - 40	LmS	10YR 4 / 3	2%	2%	2%	40 - 80	mS	10YR 5 / 4		COB	Moderate	80 - 120	SCL	10YR 6 / 3			Moderate	1	2	2			I	1	8.73	-23.18	3a	3a
282	75	0 - 35	LmS	10YR 4 / 3	2%	2%	2%	35 - 90	mS	10YR 5 / 4	5%	COB	Moderate	90 - 120	SCL	10YR 6 / 3			Moderate	1	2	2			I	1	-0.26	-26.87	3a	3a
283	74	0 - 40	LmS	10YR 4 / 3	2%	2%		40 - 80	mS	10YR 5 / 4		COB	Moderate	80 - 120	SCL	10YR 6 / 3			Moderate	1	2	2			I	1	9.69	-22.22	3a	3a
284	74	0 - 40	mSL	10YR 4 / 3	2%	2%		40 - 50	SCL	10YR 5 / 4	5%	COB	Moderate	50 - 60	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	-11.65	1.44	3a	3a
285	72	Non Agricultural																												

Sample No	Topsoil			Stoniness			Upper Subsoil			Lower Subsoil			Grade limit by Depth	Grade limit by Stoniness	Grade limit by Texture	Wetness Assessment			Grade limit by Wetness	Droughtiness Assessment		Grade limit by Droughtiness	Most limiting Grade			
	Altitude	Depth	Texture	Colour	<2cm 2-6cm >6cm	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to Gleyed	SPL	Wetness Class	Wheat	Potato			
315	68	0 - 40	LmS	10YR 3 / 3	2%		40 - 60	mS	10YR 5 / 4	10%	FOB	Moderate	60 - 120	Stone	/			Poor	1	2	2	-37.40	-28.46	3b	3b	
316	69	0 - 40	LmS	10YR 3 / 3	2%		40 - 65	mS	10YR 5 / 4	10%	FOB	Moderate	65 - 120	Stone	/			Poor	1	2	2	-35.38	-25.76	3b	3b	
317	73	0 - 40	LmS	10YR 3 / 3	5%		40 - 50	mS	10YR 5 / 4	5%	FOB	Moderate	50 - 120	mS	10YR 6 / 4			Moderate	1	2	2	-11.09	-23.00	3a	3a	
318	76	0 - 45	LmS	10YR 3 / 3	5%		45 - 60	mS	10YR 5 / 4	5%	FOB	Moderate	60 - 120	mS	10YR 6 / 4			Moderate	1	2	2	-8.47	-20.45	3a	3a	
319	78	0 - 50	LmS	10YR 3 / 3	5%		50 - 65	mS	10YR 5 / 4	5%	FOB	Moderate	65 - 120	mS	10YR 6 / 4			Moderate	1	2	2	-5.73	-17.75	3a	3a	
320	79	0 - 50	LmS	10YR 3 / 3	5%		50 - 65	mS	10YR 5 / 4	5%	FOB	Moderate	65 - 120	mS	10YR 6 / 4			Moderate	1	2	2	-5.73	-17.75	3a	3a	
321	80	0 - 45	LmS	10YR 4 / 3	2%	2%	45 - 80	mS	10YR 5 / 4		FOB	Moderate	80 - 120	C	10YR 6 / 3			Moderate	1	2	2	4.45	-19.46	3a	3a	
322	80	0 - 40	LmS	10YR 4 / 3	2%	2%	40 - 80	mS	10YR 5 / 4		FOB	Moderate	80 - 120	C	10YR 6 / 3			Moderate	1	2	2	1.69	-22.22	3a	3a	
323	78	0 - 40	LmS	10YR 4 / 3			40 - 70	mSL	10Yr 5 / 4	2%	FOB	Moderate	70 - 100	mSL	10YR 6 / 2			Moderate	1	2	2	18.91	2.86	2	2	
324	79	0 - 45	LmS	10YR 4 / 3			45 - 80	mSL	10Yr 5 / 4	2%	FOB	Moderate	80 - 100	mSL	10YR 6 / 2			Moderate	1	2	2	17.84	2.00	2	2	
325	79	0 - 45	mSL	10YR 4 / 3	5%	2%	45 - 80	SCL	7.5YR 4 / 4	5%	FOB	Moderate	80 - 110	mSL	10YR 6 / 2			Moderate	1	1	1	37.79	13.91	1	1	
326	78	0 - 45	mSL	10YR 4 / 3	5%	2%	45 - 80	SCL	7.5YR 4 / 4	5%	FOB	Moderate	80 - 120	mSL	10YR 6 / 2			Moderate	1	1	1	48.79	13.91	1	1	
327	74	0 - 45	mSL	10YR 4 / 3	5%	2%	45 - 80	SCL	7.5YR 4 / 4	5%	FOB	Moderate	80 - 100	mSL	10YR 6 / 2			Moderate	1	1	1	26.79	13.91	2	2	
328	73	0 - 40	mSL	10YR 4 / 3	5%	2%	40 - 70	mS	10YR 6 / 6	20%	FOB	Moderate	70 - 120	LmS	10YR 6 / 4	25%	MOB	Moderate	1	1	1	-1.75	-12.38	3a	3a	
329	71	0 - 40	mSL	10YR 4 / 3	5%	2%	40 - 70	mS	10YR 6 / 6	20%	FOB	Moderate	70 - 120	LmS	10YR 6 / 4	25%	MOB	Moderate	1	1	1	-1.75	-12.38	3a	3a	
330	67	0 - 40	mSL	10YR 4 / 3	2%	2%	40 - 65	LmS	7.5YR 4 / 6	10%		Moderate	65 - 120	SCL	10YR 5 / 6	5%	FOB	Moderate	1	1	1	31.81	-0.21	2	2	
331	65	0 - 40	mSL	10YR 4 / 3	2%	2%	40 - 65	LmS	7.5YR 4 / 6	10%		Moderate	65 - 120	SCL	10YR 5 / 6	5%	FOB	Moderate	1	1	1	31.81	-0.21	2	2	
332	63	0 - 40	mSL	10YR 4 / 3	2%	2%	40 - 70	LmS	7.5YR 4 / 6	5%		Moderate	70 - 120	SCL	10YR 5 / 6	5%	FOB	Moderate	1	1	1	30.72	-2.06	2	2	
333	61	Non Agricultural																								
334	58	Non Agricultural																								
335	60	0 - 30	mSL	7.5YR 4 / 3	2%	2%	30 - 50	mSL	10YR 6 / 2			Moderate	50 - 120	Stone	/			Poor	1	1	1	-19.81	-12.22	3a	3a	
336	65	0 - 45	mSL	7.5YR 4 / 3	5%	2%	45 - 50	mSL	10YR 6 / 2			Moderate	50 - 120	Stone	/			Poor	1	1	1	-19.93	-12.34	3a	3a	
337	61	0 - 40	SCL	10YR 4 / 3	5%	5%	40 - 55	mSL	10YR 6 / 2			Moderate	55 - 120	Stone	/			Poor	1	1	1	-17.04	-7.70	3a	3a	
338	57	0 - 40	mSL	10YR 4 / 3	5%	5%	40 - 70	SCL	10YR 4 / 6	10%	FOB	Moderate	70 - 120	SCL	10YR 4 / 6		FOB	Moderate	1	1	1	40.91	9.10	2	1	
339	54	0 - 40	LmS	10YR 3 / 4			40 - 120	mSL	7.5YR 4 / 4	15%		Moderate	-						1	2	2	28.48	-2.60	2	2	
340	52	0 - 40	LmS	10YR 3 / 4	2%		40 - 120	LmS	7.5YR 4 / 4	10%		Moderate	-						1	2	2	-5.00	-17.66	3a	3a	
341	52	0 - 45	LmS	10YR 3 / 4			45 - 120	mSL	7.5YR 4 / 4	10%		Moderate	-						1	2	2	32.56	-0.80	2	2	
342	50	0 - 40	LmS	10YR 3 / 4			40 - 120	mSL	7.5YR 4 / 4	15%		Moderate	-						1	2	2	28.48	-2.60	2	2	
343	47	0 - 40	LmS	10YR 3 / 4			40 - 120	LmS	7.5YR 4 / 4	15%		Moderate	-						1	2	2	-6.37	-17.90	3a	3a	
344	62	0 - 45	LmS	10YR 4 / 3	2%	2%	45 - 50	mS	7.5YR 4 / 4			Moderate	50 - 80	LmS	10YR 4 / 4			Moderate	1	2	2	-24.55	-15.46	3b	3b	
345	63	0 - 45	mS	10YR 4 / 3	2%	2%	45 - 60	mS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			Poor	1	3b	3b	-39.86	-30.77	3b	3b	
346	64	0 - 40	mS	10YR 4 / 3	2%	2%	40 - 70	mS	7.5YR 4 / 4			Moderate	70 - 120	Stone	/			Poor	1	3b	3b	-37.53	-26.94	3b	3b	
347	66	0 - 45	mS	10YR 4 / 3	2%	2%	45 - 70	mS	7.5YR 4 / 4			Moderate	70 - 120	Stone	/			Poor	1	3b	3b	-35.36	-24.77	3b	3b	
348	68	0 - 50	mS	10YR 4 / 3	2%	2%	50 - 60	mS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			Poor	1	3b	3b	-37.69	-28.60	3b	3b	
349	69	0 - 40	mS	10YR 4 / 3	2%	2%	40 - 120	Stone	/			Poor	-						1	3b	3b	-52.53	-44.94	4	4	
350	69	0 - 45	mS	10YR 4 / 3	2%	2%	45 - 120	Stone	/			Poor	-						1	3b	3b	-47.36	-39.77	3b	3b	
351	69	0 - 40	mS	10YR 4 / 3	2%	2%	40 - 120	Stone	/			Poor	-						1	3b	3b	-52.53	-44.94	4	4	
352	69	0 - 40	mS	10YR 4 / 3	2%	2%	40 - 60	LmS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			Poor	1	3b	3b	-39.03	-28.94	3b	3b	
353	67	0 - 40	mS	10YR 4 / 3	2%	2%	40 - 60	LmS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			Poor	1	3b	3b	-39.03	-28.94	3b	3b	
354	68	0 - 35	LmS	10YR 3 / 3	2%		35 - 60	mS	10YR 6 / 4	10%	FOB	Moderate	60 - 120	Stone	/			Poor	1	2	2	-40.58	-31.64	3b	3b	
355	72	0 - 35	LmS	10YR 3 / 3	2%		35 - 60	mS	10YR 6 / 4	10%	FOB	Moderate	60 - 120	Stone	/			Poor	1	2	2	-40.58	-31.64	3b	3b	
356	76	0 - 40	LmS	10YR 4 / 2			40 - 120	LmS	10YR 5 / 4	5%	FOB	Moderate	-						1	2	2	-1.72	-15.50	3a	3a	
357	78	0 - 45	LmS	10YR 4 / 2			45 - 120	LmS	10YR 5 / 4	5%	FOB	Moderate	-						1	2	2	0.48	-13.30	3a	3a	
358	80	0 - 40	mSL	10YR 4 / 3	5%	2%	40 - 60	SCL	10YR 5 / 4	5%	FOB	Moderate	60 - 120	C	2.5Y 6 / 3		MOB	Moderate	1	1	1	32.95	14.82	1	1	
359	80	0 - 40	mSL	10YR 4 / 3	5%	2%	40 - 60	SCL	10YR 5 / 4	5%	FOB	Moderate	60 - 90	mSL	10YR 6 / 2			Moderate	1	1	1	17.95	13.82	2	2	
360	78	0 - 40	mSL	10YR 4 / 3	5%	2%	40 - 60	SCL	10YR 5 / 4	5%	FOB	Moderate	60 - 75	mSL	10YR 6 / 2			Moderate	1	1	1	1.45	13.82	3a	3a	
361	80	0 - 40	LmS	10YR 4 / 3	5%		40 - 80	mSL	10Yr 5 / 4		FOB	Moderate	80 - 90	mSL	10YR 6 / 2			Moderate	1	2	2	6.21	1.30	2	2	
362	79	0 - 45	LmS	10YR 4 / 3			45 - 80	mSL	10Yr 5 / 4	2%	FOB	Moderate	80 - 110	mSL	10YR 6 / 2			Moderate	1	2	2	28.84	2.00	2	2	
363	77	0 - 45	LmS	10YR 4 / 3			45 - 80	mSL	10Yr 5 / 4		FOB	Moderate	80 - 100	mSL	10YR 6 / 2			Moderate	1	2	2	18.61	2.70	2	2	
364	75	0 - 40	LmS	10YR 4 / 3	2%		40 - 60	LmS	7.5YR 5 / 4		FOB	Moderate	60 - 100	mS	10YR 6 / 4		FOB	Moderate	1	2	2	60	-16.35	-17.26	3a	3a
365	75	0 - 35	LmS	10YR 4 / 3	2%		35 - 60	LmS	7.5YR 5 / 4		FOB	Moderate	60 - 100	mS	10YR 6 / 4		FOB	Moderate	1	2	2	60	-18.23	-19.14	3a	3a
366	75	0 - 30	LmS	10YR 4 / 3	2%		30 - 50	LmS	7.5YR 5 / 4		FOB	Moderate	50 - 120	mS	10YR 6 / 4		FOB	Moderate	1	2	2	50	-11.11	-23.02	3a	3a
367	73	0 - 35	LmS	10YR 3 / 3	2%		35 - 60	LmS	7.5YR 5 / 4		FOB	Moderate	60 - 120	mS	10YR 6 / 4		FOB	Moderate	1	2	2	60	-8.23	-19.14	3a	3a
368	69	0 - 35	LmS	10YR 3 / 2	5%		35 - 60	LmS	7.5YR 5 / 4	2%	FOB	Moderate	60 - 120	mS	10YR 6 / 3		FOB	Moderate	1	2	2	60	-9.84	-20.80	3a	3a
369	67	0 - 35	LfS	10YR 4 / 4	5%		35 - 50	mS	10YR 5 / 6	20%		Moderate	50 - 120	mS	10YR 6 / 6	20%	FOB	Moderate	1	2	2		-4.97	-12.97	3a	3a
370	64	0 - 35	LfS	10YR 4 / 4	5%		35 - 50	mS	10YR 5 / 6	20%		Moderate	50 - 120	mS	10YR 6 / 6	20%	FOB	Moderate	1	2	2		-4.97	-12.97	3a	3a
371	60	0 - 35	LfS	10YR 4 / 4	5%		35 - 50	mS	10YR 5 / 6	20%		Moderate	50 - 120	mS	10YR 6 / 6	20%	FOB	Moderate	1	2	2		-4.97	-12.97	3a	3a
372	61	0 - 40	mSL	10YR 4 / 3	2%	2%	40 - 70	LmS	7.5YR 4 / 6	5%		Moderate	70 - 120	SCL	10YR 5 / 6	5%	FOB	Moderate	1	1	1		30.72	-2.06	2	2
373	65	0 - 35	mSL	10YR 4 / 4	5%		35 - 60	SCL	10YR 4 / 6	5%	FOB	Moderate	60 - 120	C	7.5YR 5 / 6		FOB									

	Topsoil							Stoniness			Upper Subsoil			Lower Subsoil			Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Grade limit by Wetness		Droughtiness Assessment		Grade limit by Droughtiness		Most limiting Grade	
Sample No	Altitude	Depth	Texture	Colour	<2cm	2-6cm	>6cm	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Stoniness	Texture	Depth to Gleyed	SPL	Wetness Class	Wetness	Wheat	Potato	Droughtiness	Grade	
389	68	0 - 40	mS	10YR 4 / 3	2%	2%	2%		40 - 60	mS	7.5YR 4 / 4			Moderate	60 - 120	Stone	/			Poor	1	3b	3b			I	1	-42.03	-32.94	3b	3b	
390	69	0 - 30	LmS	10YR 4 / 3	2%	5%	2%		30 - 60	mS	7.5YR 4 / 3			Moderate	60 - 120	Stone	/			Poor	1	2	2			I	1	-44.63	-35.54	3b	3b	
391	68	0 - 35	LmS	10YR 4 / 2					35 - 50	mS	10YR 6 / 4			Moderate	50 - 120	Stone	/			Poor	1	2	2			I	1	-42.89	-35.30	3b	3b	
392	67	Non Agricultural																														
393	69	0 - 35	LmS	10YR 3 / 3	2%				35 - 60	fS	10YR 6 / 4	10%		FOB	Moderate	60 - 120	Stone	/			Poor	1	2	2			I	1	-24.83	-15.89	3b	3b
394	72	0 - 40	LmS	10YR 4 / 2				VFOB	40 - 120	mS	10YR 5 / 4	5%		COB	Moderate	-						1	2	2			I	1	-10.27	-21.20	3a	3a
395	76	0 - 35	mSL	10YR 4 / 3	5%				35 - 50	SCL	10YR 5 / 4	5%		COB	Moderate	50 - 70	C	2.5Y 6 / 3		MOB	Moderate	1	1	1	50		I	1	-9.36	15.73	3a	3a
396	78	0 - 30	mSL	10YR 4 / 3	5%		2%		30 - 50	SCL	10YR 5 / 4	5%		COB	Moderate	50 - 70	C	2.5Y 6 / 3		MOB	Moderate	1	1	1	50		I	1	-10.15	14.94	3a	3a
397	80	0 - 35	mSL	10YR 4 / 3	5%		2%		35 - 50	SCL	10YR 5 / 4	5%		COB	Moderate	50 - 80	C	2.5Y 6 / 3		MOB	Moderate	1	1	1	50		I	1	-1.36	15.73	3a	3a
398	81	0 - 50	LmS	10YR 4 / 3	2%				50 - 70	SCL	10YR 5 / 3	2%		COB	Moderate	70 - 80	mSL	10YR 6 / 2			Moderate	1	2	2	50		I	1	-7.97	-0.06	3a	3a
399	79	0 - 45	LmS	10YR 4 / 3	2%				45 - 70	SCL	10YR 5 / 3	2%		COB	Moderate	70 - 80	mSL	10YR 6 / 2			Moderate	1	2	2	45		I	1	-6.99	0.92	3a	3a
400	80	0 - 40	LmS	10YR 4 / 2	2%				40 - 50	mS	10YR 6 / 4				Moderate	50 - 65	mSL	10YR 6 / 2			Moderate	1	2	2			I	1	-27.85	-12.76	3b	3b
401	80	0 - 40	LmS	10YR 4 / 2	2%				40 - 50	mS	10YR 6 / 4				Moderate	50 - 60	mSL	10YR 6 / 2			Moderate	1	2	2			I	1	-33.35	-20.26	3b	3b
402	79	0 - 40	LmS	10YR 4 / 3	2%				40 - 50	SCL	10YR 5 / 4	2%			Moderate	50 - 60	mSL	10YR 6 / 2			Moderate	1	2	2			I	1	-25.63	-12.54	3b	3b
403	77	0 - 40	LmS	10YR 4 / 3	2%			heavier	40 - 60	SCL	10YR 5 / 4	2%			Moderate	60 - 70	mSL	10YR 6 / 2			Moderate	1	2	2			I	1	-15.82	2.18	3a	3a
404	75	0 - 35	LmS	10YR 3 / 2	5%				35 - 60	LmS	7.5YR 5 / 4	2%		COB	Moderate	60 - 120	mS	10YR 6 / 3		COB	Moderate	1	2	2	60		I	1	-9.84	-20.80	3a	3a
405	74	0 - 35	LmS	10YR 3 / 2	5%				35 - 70	LmS	7.5YR 5 / 4	2%		COB	Moderate	70 - 120	mS	10YR 6 / 3		COB	Moderate	1	2	2	70		I	1	-8.95	-18.96	3a	3a
406	72	0 - 35	LmS	10YR 3 / 2	5%				35 - 60	LmS	7.5YR 5 / 4	2%		COB	Moderate	60 - 120	mS	10YR 6 / 3		COB	Moderate	1	2	2	60		I	1	-9.84	-20.80	3a	3a
407	70	0 - 35	LfS	10YR 4 / 4	5%				35 - 55	mS	10YR 5 / 6	20%		FOB	Moderate	55 - 70	mS	10YR 6 / 4	30%	FOB	Moderate	1	2	2			I	1	-26.14	-13.87	3b	3b
408	67	0 - 35	LfS	10YR 4 / 4	5%				35 - 55	mS	10YR 5 / 6	20%		FOB	Moderate	55 - 80	mS	10YR 6 / 4	30%	FOB	Moderate	1	2	2			I	1	-22.49	-13.87	3b	3b
409	61	0 - 35	mSL	10YR 3 / 3	5%	5%			35 - 75	LmS	10YR 5 / 6	5%		COB	Moderate	75 - 90	mSL	10YR 6 / 2			Moderate	1	1	1			I	1	-4.78	-9.30	3a	3a
410	62	0 - 35	mSL	10YR 3 / 3	5%	5%			35 - 75	LmS	10YR 5 / 6	5%		COB	Moderate	75 - 100	mSL	10YR 7 / 3			Moderate	1	1	1			I	1	6.22	-9.30	2	2
411	63	0 - 35	mSL	10YR 4 / 4	5%				35 - 60	SCL	10YR 4 / 6	5%		COB	Moderate	60 - 80	C	7.5YR 5 / 6		COB	Poor	1	1	1			I	1	-0.72	12.15	3a	3a
412	62	0 - 35	LmS	10YR 3 / 3					35 - 120	Stone	/				Poor	-						1	2	2			I	1	-51.89	-44.30	4	4
413	65	0 - 40	LmS	10YR 3 / 3					40 - 120	Stone	/				Poor	-						1	2	2			I	1	-45.89	-38.30	3b	3b
414	68	0 - 40	LmS	10YR 3 / 3					40 - 120	Stone	/				Poor	-						1	2	2			I	1	-45.89	-38.30	3b	3b
415	68	0 - 40	LmS	10YR 4 / 3					40 - 120	Stone	/				Poor	-						1	2	2			I	1	-45.89	-38.30	3b	3b
416	66	0 - 40	LmS	10YR 5 / 3	5%				40 - 50	mSL	10YR 6 / 2			Moderate	50 - 120	Stone	/			Poor	1	2	2			I	1	-34.29	-26.70	3b	3b	
417	62	0 - 40	LmS	10YR 5 / 3	5%				40 - 50	mSL	10YR 6 / 2			Moderate	50 - 120	Stone	/			Poor	1	2	2			I	1	-34.29	-26.70	3b	3b	
418	59	0 - 40	LmS	10YR 5 / 3	5%				40 - 50	mSL	10YR 6 / 2			Moderate	50 - 120	Stone	/			Poor	1	2	2			I	1	-34.29	-26.70	3b	3b	
419	56	0 - 35	LmS	10YR 5 / 3	5%				35 - 45	mSL	10YR 6 / 2			Moderate	45 - 120	Stone	/			Poor	1	2	2			I	1	-39.99	-32.40	3b	3b	
420	53	0 - 35	LmS	10YR 5 / 3	5%				35 - 40	mSL	10YR 6 / 2			Moderate	40 - 120	Stone	/			Poor	1	2	2			I	1	-46.99	-39.40	3b	3b	
421	66	0 - 40	mS	10YR 4 / 3	2%	2%	2%		40 - 120	Stone	/				Poor	-						1	3b	3b			I	1	-52.53	-44.94	4	4
422	66	0 - 30	mS	10YR 4 / 3	2%	2%	2%		30 - 50	mS	7.5YR 5 / 4			Moderate	50 - 120	Stone	/			Poor	1	3b	3b			I	1	-50.87	-43.28	4	4	
423	66	0 - 30	mS	10YR 4 / 3	2%	2%	2%		30 - 50	mS	7.5YR 5 / 4			Moderate	50 - 120	Stone	/			Poor	1	3b	3b			I	1	-50.87	-43.28	4	4	
424	66	0 - 35	mS	10YR 4 / 3	2%	2%	2%		35 - 120	Stone	/				Poor	-						1	3b	3b			I	1	-57.70	-50.11	4	4
425	65	0 - 40	mSL	10YR 4 / 2	2%	2%	2%		40 - 120	Stone	/				Poor	-						1	1	1			I	1	-32.45	-24.86	3b	3b
426	66	0 - 40	mSL	10YR 4 / 2	2%	2%	2%		40 - 120	Stone	/				Poor	-						1	1	1			I	1	-32.45	-24.86	3b	3b
427	70	0 - 35	LmS	10YR 4 / 2					35 - 50	mS	10YR 6 / 4			Moderate	50 - 120	Stone	/			Poor	1	2	2			I	1	-42.89	-35.30	3b	3b	
428	72	0 - 30	LmS	10YR 4 / 2					30 - 50	mS	10YR 6 / 4			Moderate	50 - 120	Stone	/			Poor	1	2	2			I	1	-45.89	-38.30	3b	3b	
429	72	Non Agricultural																														
430	75	0 - 35	LmS	10YR 4 / 3	5%				35 - 70	mS	7.5YR 6 / 6			Moderate	70 - 80	mSL	10YR 7 / 3			Moderate	1	2	2			I	1	-27.49	-25.40	3b	3b	
431	77	0 - 40	LmS	10YR 4 / 3	5%				40 - 70	mS	7.5YR 6 / 6			Moderate	70 - 90	mSL	10YR 7 / 3				1	2	2			I	1	-13.79	-22.70	3a	3a	
432	79	0 - 40	mSL	10YR 4 / 3	2%				40 - 50	mSL	10YR 7 / 3			Moderate	50 - 120	Stone	/			Poor	1	1	1									

Sample No	Topsoil				Stoniness				Mottles	Upper Subsoil				Stoniness	Mottles	Lower Subsoil				Stoniness	Mottles	Structure	Grade limit by Depth	Grade limit by Stoniness	Grade limit by Texture	Wetness Assessment			Grade limit by Wetness	Droughtiness Assessment		Grade limit by Droughtiness	Most limiting Grade
	Altitude	Depth	Texture	Colour	<2cm	2-6cm	>6cm	Depth		Texture	Colour	Depth	Texture			Colour	Depth to Gleyed	SPL	Wetness Class							Wheat	Potato						
463	76	0 - 40	mSL	10YR 4 / 2	2%					40 - 50	mS	10YR 6 / 4				40 - 50	mSL	10YR 6 / 2				Moderate	1	1	1	I	1	-17.67	-4.58	3a	3a		
464	78	0 - 40	mSL	10YR 4 / 2	2%					40 - 50	mS	10YR 6 / 4				40 - 50	mSL	10YR 6 / 2				Moderate	1	1	1	I	1	-17.67	-4.58	3a	3a		
465	79	0 - 40	LmS	10YR 4 / 2	2%					40 - 50	mS	10YR 6 / 4				40 - 50	mSL	10YR 6 / 2				Moderate	1	2	2	I	1	-27.85	-12.76	3b	3b		
466	81	0 - 35	LmS	10YR 4 / 3	5%					35 - 70	LfS	7.5YR 6 / 6				35 - 70	mSL	10YR 6 / 3				Moderate	1	2	2	I	1	-4.99	2.60	3a	3a		
467	81	0 - 40	LmS	10YR 4 / 3	5%					40 - 70	LfS	7.5YR 6 / 6				40 - 80	mSL	10YR 6 / 3				Moderate	1	2	2	I	1	-0.79	1.30	3a	3a		
468	79	0 - 35	mSL	10YR 4 / 3	2%				FOB	35 - 40	MCL	10YR 6 / 1				40 - 120	Stone	/				Poor	1	1	1	I	1	-31.51	-23.92	3b	3b		
469	78	0 - 35	mSL	10YR 4 / 3	2%				FOB	35 - 45	MCL	10YR 6 / 1				40 - 120	Stone	/				Poor	1	1	1	I	1	-24.01	-16.42	3b	3b		
470	77	0 - 40	LmS	10YR 4 / 2	2%					40 - 60	mS	10YR 6 / 4				40 - 80	mSL	10YR 6 / 2				Moderate	1	2	2	I	1	-17.35	-13.26	3a	3a		
471	79	0 - 35	LmS	10YR 4 / 2	2%					35 - 60	mS	10YR 6 / 4				40 - 80	mSL	10YR 6 / 2				Moderate	1	2	2	I	1	-20.23	-16.14	3b	3a		
472	81	0 - 35	LmS	10YR 4 / 2	5%					35 - 75	mS	10YR 5 / 4				40 - 80	mSL	10YR 7 / 3				Moderate	1	2	2	I	1	-30.49	-25.40	3b	3b		
473	82	0 - 35	mSL	10YR 4 / 2	5%					35 - 75	mS	10YR 5 / 4				40 - 90	mSL	10YR 7 / 3				Moderate	1	1	1	I	1	-6.19	-12.10	3a	3a		
474	82	0 - 35	mSL	10YR 4 / 3	2%				heavier	35 - 50	SCL	10YR 5 / 4	2%			40 - 90	mSL	10YR 6 / 2				Moderate	1	1	1	I	1	22.07	17.16	2	2		
475	78	0 - 40	mSL	10YR 3 / 3						40 - 55	mSL	10YR 5 / 4	5%			40 - 80	SCL	7.5YR 4 / 6	2%			Moderate	1	1	1	I	1	9.67	18.23	2	2		
476	78	0 - 40	mSL	10YR 3 / 3	2%					40 - 60	SCL	7.5YR 5 / 6				40 - 80	SCL	2.5Y 6 / 4				Moderate	1	1	1	I	1	9.33	18.42	2	2		
477	76	0 - 40	mSL	10YR 3 / 3	2%					40 - 60	SCL	7.5YR 5 / 6				40 - 90	SCL	2.5Y 6 / 4				Moderate	1	1	1	I	1	19.33	18.42	2	2		
478	75	0 - 40	mSL	10YR 3 / 3	2%					40 - 60	SCL	7.5YR 5 / 6				40 - 90	SCL	2.5Y 6 / 4				Moderate	1	1	1	I	1	19.33	18.42	2	2		
479	73	0 - 50	mSL	10YR 4 / 4	5%	5%				50 - 120	Stone	/				-	/	/				Poor	1	1	1	I	1	-21.89	-14.30	3b	3b		
480	68	0 - 35	mSL	10YR 3 / 3	5%					35 - 75	SCL	10YR 5 / 6	5%		COB	40 - 90	mSL	10YR 6 / 2				Moderate	1	1	1	I	1	16.07	13.45	2	2		
481	66	0 - 50	mSL	10YR 4 / 4	5%	5%				50 - 70	SCL	10YR 5 / 6	5%			40 - 91	mSL	10YR 7 / 3				Moderate	1	1	1	I	1	16.76	12.30	2	2		
482	64	0 - 50	mSL	10YR 4 / 4	5%	5%				50 - 70	SCL	10YR 5 / 6	5%			40 - 92	mSL	10YR 8 / 4				Moderate	1	1	1	I	1	17.86	12.30	2	2		
483	65	0 - 40	LmS	10YR 3 / 3						40 - 60	mSL	10YR 7 / 3				40 - 120	Stone	/				Poor	1	2	2	I	1	-21.39	-10.30	3b	3b		
484	67	0 - 40	LmS	10YR 3 / 3						40 - 70	mSL	10YR 7 / 3				40 - 120	Stone	/				Poor	1	2	2	I	1	-10.89	3.70	3a	3a		
485	69	0 - 40	LmS	10YR 3 / 3						40 - 70	mSL	10YR 7 / 3				40 - 120	Stone	/				Poor	1	2	2	I	1	-10.89	3.70	3a	3a		
486	67	0 - 40	LmS	10YR 4 / 3						40 - 75	mSL	10YR 7 / 3				40 - 120	Stone	/				Poor	1	2	2	I	1	-5.64	3.70	3a	3a		
487	64	0 - 40	LmS	10YR 5 / 3	5%					40 - 75	mSL	10YR 7 / 3				40 - 120	Stone	/				Poor	1	2	2	I	1	-8.04	1.30	3a	3a		
488	60	0 - 40	LmS	10YR 5 / 3	5%					40 - 70	mSL	10YR 7 / 2				40 - 120	Stone	/				Poor	1	2	2	I	1	-13.29	1.30	3a	3a		
489	58	0 - 40	LmS	10YR 5 / 3	5%					40 - 70	mSL	10YR 7 / 2				40 - 120	Stone	/				Poor	1	2	2	I	1	-13.29	1.30	3a	3a		
490	56	0 - 35	LmS	10YR 5 / 3	5%					35 - 75	mSL	10YR 7 / 2				40 - 120	Stone	/				Poor	1	2	2	I	1	-6.74	2.60	3a	3a		
491	53	0 - 35	LmS	10YR 5 / 3	5%					35 - 70	mSL	10YR 7 / 2				40 - 120	Stone	/				Poor	1	2	2	I	1	-11.99	2.60	3a	3a		
492	64	0 - 35	LmS	10YR 4 / 2	2%	2%	2%			35 - 65	mSL	7.5YR 4 / 4				40 - 60	mSL	10YR 7 / 3				Moderate	1	2	2	I	1	-20.41	-5.32	3b	3b		
493	62	0 - 40	LmS	10YR 4 / 2	2%	2%	2%			40 - 60	mSL	7.5YR 4 / 4				40 - 70	mSL	10YR 7 / 3				Moderate	1	2	2	I	1	-16.27	0.82	3a	3a		
494	60	0 - 40	LmS	10YR 4 / 2	2%	2%	2%			40 - 65	mSL	7.5YR 4 / 4			FO	40 - 70	mSL	10YR 7 / 3				Moderate	1	2	2	I	1	-16.27	0.82	3a	3a		
495	64	0 - 30	mSL	10YR 4 / 2						30 - 50	mSL	10YR 6 / 4			FO	40 - 60	mSL	10YR 7 / 3				Moderate	1	1	1	I	1	-10.39	2.70	3a	3a		
496	68	0 - 35	LmS	10YR 4 / 2	2%					35 - 60	mS	10YR 6 / 4				40 - 65	mSL	10YR 7 / 3				Moderate	1	2	2	I	1	-36.73	-23.64	3b	3b		
497	70	0 - 40	LmS	10YR 4 / 2	2%					40 - 55	mS	10YR 6 / 4				40 - 65	mSL	10YR 7 / 2				Moderate	1	2	2	I	1	-30.85	-16.76	3b	3b		
498	72	0 - 35	LmS	10YR 4 / 2	2%					35 - 55	mS	10YR 6 / 4				40 - 65	mSL	10YR 7 / 2				Moderate	1	2	2	I	1	-28.23	-12.14	3b	3b		
499	73	0 - 35	LmS	10YR 4 / 2	2%					35 - 50	mS	10YR 6 / 4				40 - 65	mSL	10YR 7 / 2				Moderate	1	2	2	I	1	-30.73	-15.64	3b	3b		
500	76	0 - 35	mSL	10YR 4 / 3	2%				FOB	35 - 70	mSL	10YR 7 / 2				40 - 120	Chalk	/				Poor	1	1	1	I	1	35.49	17.58	1	1		
501	77	0 - 35	mSL	10YR 4 / 3	2%				VFOB	35 - 120	Chalk	/				-	/	/				Poor	1	1	1	I	1	19.99	0.08	2	2		
502	78	0 - 40	mSL	10YR 4 / 3	2%				FOB	40 - 120	Chalk	/				-	/	/				Poor	1	1	1	I	1	23.33	3.42	2	2		
503	81	0 - 35	mSL	10YR 4 / 2	5%				FOB	35 - 60	mS	10YR 5 / 4				40 - 65	mSL	10YR 7 / 2				Moderate	1	1	1	I	1	-24.69	-11.60	3b	3b		
504	81	0 - 40	LmS	10YR 4 / 2	5%					40 - 70	mS	10YR 5 / 4				40 - 80	mSL	10YR 7 / 2				Moderate	1	2	2	I	1	-24.79	-22.70	3b	3b		
505	82	0 - 35	LmS	10YR 4 / 2	5%					35 - 75	mS	10YR 5 / 4				40 - 80	mSL	10YR 7 / 2				Moderate	1	2	2	I	1	-30.49	-25.40	3b	3b		
506	80	0 - 35	LmS	10YR 4 / 2	5%					35 - 75	mS	10YR 5 / 4																					

Sample No	Topsoil				Stoniness			Upper Subsoil				Lower Subsoil				Grade limit by	Grade limit by	Grade limit by	Wetness Assessment			Grade limit by	Droughtiness Assessment		Grade limit by	Most limiting		
	Altitude	Depth	Texture	Colour	<2cm	2-6cm	>6cm	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to Gleyed	SPL	Wetness Class	Wetness	MB Wheat	MB Potato	Droughtiness	Grade
537	81	0 - 40	LmS	10YR 4 / 2	5%				40 - 75	mS	10YR 5 / 4			Moderate	75 - 90	mSL	10YR 7 / 2			Moderate	1		2	2				
538	79	0 - 40	LmS	10YR 4 / 2	5%				40 - 75	mS	10YR 5 / 4			Moderate	75 - 90	mSL	10YR 7 / 2			Moderate	1		2	2	-16.79	-22.70	3a	3a
539	77	Non Agricultural																										
540	76	0 - 40	LmS	10YR 3 / 3					40 - 60	LmS	10YR 5 / 4	2%		Moderate	60 - 80	SCL	7.5YR 4 / 6	2%	COB	Moderate	1		2	2	-16.04	-8.90	3a	3a
541	76	0 - 35	LfS	10YR 4 / 3					35 - 80	mS	10YR 5 / 6	2%	COB	Moderate	80 - 120	C	7.5YR 5 / 4			Moderate	1		2	2	17.66	-6.22	2	2
542	73	0 - 40	LfS	10YR 4 / 3					40 - 80	mS	10YR 5 / 6	2%	COB	Moderate	80 - 120	C	7.5YR 5 / 4			Moderate	1		2	2	23.22	-0.66	2	2
543	70	0 - 45	LfS	10YR 4 / 3	2%				45 - 120	mS	10YR 6 / 6	5%		Moderate	-						1		2	2	13.85	2.92	2	2
544	67	0 - 40	mSL	10YR 4 / 4	5%	5%			40 - 70	LfS	7.5YR 4 / 6	7%	COB	Moderate	70 - 120	LfS	10YR 5 / 6	5%	COB	Moderate	1		1	1	59.35	10.36	1	1
545	66	0 - 40	LfS	10YR 4 / 3	2%				40 - 120	mS	10YR 6 / 6	5%		Moderate	-						1		2	2	8.37	-2.56	2	2
546	66	0 - 40	mSL	10YR 4 / 4	5%	5%			40 - 70	LfS	7.5YR 4 / 6	7%	COB	Moderate	70 - 120	LfS	10YR 5 / 6	5%	COB	Moderate	1		1	1	59.35	10.36	1	1
547	68	0 - 35	LmS	10YR 5 / 4					35 - 45	mSL	10YR 7 / 2			Moderate	45 - 120	Stone	/			Poor	1		2	2	-37.89	-30.30	3b	3b
548	72	0 - 40	LmS	10YR 5 / 4					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-31.89	-24.30	3b	3b
549	70	0 - 40	LmS	10YR 5 / 3					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-31.89	-24.30	3b	3b
550	71	0 - 40	LmS	10YR 5 / 3					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-31.89	-24.30	3b	3b
551	71	0 - 45	LmS	10YR 5 / 2					45 - 60	mSL	10YR 7 / 2			Moderate	60 - 120	Stone	/			Poor	1		2	2	-22.39	-11.30	3b	3b
552	68	0 - 40	LmS	10YR 5 / 3	5%				40 - 60	mSL	10YR 7 / 2			Moderate	60 - 120	Stone	/			Poor	1		2	2	-23.79	-12.70	3b	3b
553	65	0 - 40	LmS	10YR 5 / 3	5%				40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-34.29	-26.70	3b	3b
554	65	0 - 35	LmS	10YR 5 / 3	5%				35 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-32.99	-25.40	3b	3b
555	63	0 - 35	LmS	10YR 5 / 3	5%				35 - 45	mSL	10YR 7 / 2			Moderate	45 - 120	Stone	/			Poor	1		2	2	-39.99	-32.40	3b	3b
556	61	0 - 35	LmS	10YR 5 / 3	5%				35 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-32.99	-25.40	3b	3b
557	59	0 - 40	mSL	10YR 4 / 2	2%				40 - 60	SCL	10YR 5 / 3		FO	Moderate	60 - 120	C	10YR 6 / 6			Moderate	1		1	1	37.33	19.42	1	1
558	64	0 - 35	mSL	10YR 4 / 2	2%				35 - 60	SCL	10YR 5 / 3		FO	Moderate	60 - 120	C	10YR 6 / 6			Moderate	1		1	1	36.49	18.58	1	1
559	66	0 - 30	mSL	10YR 4 / 2	2%				30 - 40	mS	7.5YR 4 / 6			Moderate	40 - 50	mSL	10YR 8 / 4			Moderate	1		1	1	-30.35	-21.26	3b	3b
560	69	0 - 30	mSL	10YR 4 / 2	2%	2%			30 - 60	LmS	10YR 6 / 6	10%		Moderate	60 - 80	mSL	10YR 8 / 4			Moderate	1		1	1	-9.46	-4.62	3a	3a
561	71	0 - 30	mSL	10YR 4 / 2	2%	2%			30 - 60	LmS	10YR 6 / 6	10%		Moderate	60 - 80	mSL	10YR 8 / 4			Moderate	1		1	1	-9.46	-4.62	3a	3a
562	73	0 - 30	mSL	10YR 4 / 2	2%				30 - 55	mS	10YR 5 / 4			Moderate	55 - 65	mSL	10YR 8 / 4			Moderate	1		1	1	-24.85	-10.76	3b	3b
563	75	0 - 30	mSL	10YR 4 / 2	2%				30 - 50	mS	10YR 5 / 4			Moderate	50 - 65	mSL	10YR 8 / 4			Moderate	1		1	1	-21.85	-6.76	3b	3b
564	78	0 - 35	mSL	10YR 4 / 3	2%				35 - 50	LmS	7.5YR 4 / 4			Moderate	50 - 120	mS	7.5YR 5 / 6			Moderate	1		1	1	4.49	-7.42	3a	3a
565	78	0 - 30	mSL	10YR 4 / 3	2%				30 - 80	LmS	10YR 5 / 6			Moderate	80 - 120	C	7.5YR 5 / 6			Moderate	1		1	1	15.65	-7.26	2	2
566	78	0 - 30	mSL	10YR 4 / 3	2%				30 - 80	LmS	10YR 5 / 6			Moderate	80 - 120	C	7.5YR 5 / 6			Moderate	1		1	1	15.65	-7.26	2	2
567	80	0 - 30	mSL	10YR 4 / 3	2%				30 - 80	LmS	10YR 5 / 6			Moderate	80 - 120	C	7.5YR 5 / 6			Moderate	1		1	1	15.65	-7.26	2	2
568	83	0 - 35	mSL	10YR 4 / 3					35 - 80	LmS	10YR 5 / 2			Moderate	80 - 120	SCL	10YR 6 / 3		FO	Moderate	1		1	1	28.61	-2.30	2	2
569	83	0 - 35	mSL	10YR 4 / 3					35 - 80	LmS	10YR 5 / 2			Moderate	80 - 120	C	10YR 6 / 3			Moderate	1		1	1	20.61	-2.30	2	2
570	83	0 - 35	LfS	10YR 4 / 4					35 - 80	mS	10YR 5 / 6	2%	COB	Moderate	80 - 120	C	7.5YR 5 / 4			Moderate	1		2	2	17.66	-6.22	2	2
571	81	0 - 40	LfS	10YR 4 / 4					40 - 80	mS	10YR 5 / 6	2%	COB	Moderate	80 - 120	C	7.5YR 5 / 4			Moderate	1		2	2	23.22	-0.66	2	2
572	80	0 - 40	LfS	10YR 4 / 4					40 - 80	mS	10YR 5 / 6	2%	COB	Moderate	80 - 120	C	7.5YR 5 / 4			Moderate	1		2	2	23.22	-0.66	2	2
573	78	0 - 45	mSL	10YR 4 / 4	5%	5%			45 - 70	LmS	7.5YR 4 / 6	7%	COB	Moderate	70 - 120	LmS	10YR 5 / 6	5%	COB	Moderate	1		1	1	10.98	-2.90	2	2
574	76	0 - 40	mSL	10YR 4 / 4	5%	5%			40 - 70	LmS	7.5YR 4 / 6	7%	COB	Moderate	70 - 120	LmS	10YR 5 / 6	5%	COB	Moderate	1		1	1	7.50	-6.38	2	2
575	75	0 - 40	mSL	10YR 4 / 4	5%	5%			40 - 70	LmS	7.5YR 4 / 6	7%	COB	Moderate	70 - 120	LmS	10YR 5 / 6	5%	COB	Moderate	1		1	1	7.50	-6.38	2	2
576	71	0 - 35	LfS	10YR 5 / 4					35 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-13.39	-5.80	3a	3a
577	70	0 - 40	LfS	10YR 5 / 4					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-11.89	-4.30	3a	3a
578	72	0 - 40	LfS	10YR 5 / 3					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-11.89	-4.30	3a	3a
579	75	0 - 40	LfS	10YR 5 / 3					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-11.89	-4.30	3a	3a
580	75	0 - 45	LfS	10YR 5 / 3					45 - 60	mSL	10YR 7 / 2			Moderate	60 - 120	Stone	/			Poor	1		2	2	0.11	11.20	3a	3a
581	74	0 - 40	LmS	10YR 4 / 4					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-31.89	-24.30	3b	3b
582	72	0 - 40	LmS	10YR 4 / 4					40 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-31.89	-24.30	3b	3b
583	70	0 - 45	LmS	10YR 4 / 4					45 - 50	mSL	10YR 7 / 2			Moderate	50 - 120	Stone	/			Poor	1		2	2	-32.89	-25.30	3b	3b
584	69	0 - 40	LmS	10YR 4 / 4					40 - 70	mSL	7.5YR 4 / 3		COB	Moderate	70 - 90	SCL	5YR 4 / 4		MOB	Moderate	1		2	2	6.61	3.70	2	2
585	69	0 - 40	LmS	10YR 4 / 4					40 - 70	mSL	7.5YR 4 / 3		COB	Moderate	70 - 90	SCL	5YR 4 / 4		MOB	Moderate	1		2	2	6.61	3.70	2	2
586	66	0 - 30	mSL	10YR 4 / 2	2%				30 - 40	mS	7.5YR 4 / 6			Moderate	40 - 65	mSL	10YR 6 / 4			Moderate	1		1	1	-13.85	1.24	3a	3a
587	69	0 - 35	mSL	10YR 4 / 2	5%				35 - 60	mS	10YR 5 / 4			Moderate	60 - 70	mSL	10YR 6 / 4			Moderate	1		1	1	-19.19	-4.10	3a	3a
588	73	0 - 30	mSL	10YR 4 / 2	2%				30 - 60	mS	10YR 5 / 4			Moderate	60 - 70	mSL	10YR 5 / 3			Moderate	1		1	1	-22.35	-7.26	3b	3b
589	73	0 - 40	mSL	10YR 4 / 2	2%				40 - 60	C	10YR 5 / 3		FO	Moderate	60 - 120	C	10YR 6 / 4			Poor	1		1	1	30.33	18.42	1	1
590	73	0 - 40	mSL	10YR 4 / 2	5%				40 - 60	C	10YR 5 / 3		FO	Moderate	60 - 120	C	10YR 6 / 4			Poor	1		1	1	28.41	16.50	2	2
591	76	Non Agricultural																										
592	78	0 - 30	mSL	10YR 4 / 3	2%				30 - 80	LmS	10YR 5 / 6			Moderate	80 - 120	C	7.5YR 5 / 6			Moderate	1		1	1	15.65	-7.26		

Topsoil											Stoniness				Upper Subsoil				Lower Subsoil				Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture		Wetness Assessment		Wetness Assessment		Grade limit by Depth		Grade limit by Stoniness		Grade limit by Texture	
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Sample No	Topsoil				Stoniness				Upper Subsoil				Lower Subsoil				Grade limit by Depth	Grade limit by Stoniness	Grade limit by Texture	Wetness Assessment			Grade limit by Wetness	Droughtiness Assessment		Grade limit by Droughtiness	Most limiting Grade		
	Altitude	Depth	Texture	Colour	<2cm 2-6cm	>6cm	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to Gleyed	SPL	Wetness Class	Wetness	MB Wheat	MB Potato	Droughtiness	Grade		
685	78	0 - 45	LmS	10YR 4 / 2				45 - 50	mSL	2.5Y 5 / 4	10%		Moderate	50 - 120	LmS	10YR 6 / 6		COB	Moderate	1	2	2	I	1	4.91	-10.00	3a	3a	
686	78	0 - 45	LmS	10YR 4 / 2				45 - 50	mSL	2.5Y 5 / 4	10%		Moderate	50 - 120	LmS	10YR 6 / 6		COB	Moderate	1	2	2	I	1	4.91	-10.00	3a	3a	
687	78	0 - 40	LmS	10YR 4 / 2				40 - 50	mSL	2.5Y 5 / 4	10%		Moderate	50 - 120	LmS	10YR 6 / 6		COB	Moderate	1	2	2	I	1	5.21	-9.70	2	2	
688	78	0 - 35	LmS	10YR 4 / 2				35 - 70	mSL	2.5Y 5 / 4	5%	COB	Moderate	70 - 120	LmS	10YR 4 / 6		COB	Moderate	1	2	2	I	1	15.51	2.25	2	2	
689	78	0 - 25	LmS	10YR 4 / 4	5%			25 - 55	LmS	10YR 6 / 3			Moderate	55 - 120	LmS	2.5Y 7 / 4		FOB	Moderate	1	2	2	I	1	-6.89	-21.80	3a	3a	
690	78	0 - 30	LmS	10YR 4 / 4	5%			30 - 70	LmS	10YR 6 / 4	2%	COB	Moderate	70 - 120	LmS	2.5Y 7 / 4		FOB	Moderate	1	2	2	I	1	-5.73	-20.74	3a	3a	
691	78	0 - 25	LmS	10YR 4 / 4	5%			25 - 60	LmS	10YR 5 / 4	2%	COB	Moderate	60 - 120	LmS	2.5Y 7 / 4		FO	Moderate	1	2	2	I	1	-7.40	-22.36	3a	3a	
692	79	0 - 25	mSL	10YR 4 / 4	5%			25 - 60	LmS	10YR 6 / 4	2%	COB	Moderate	60 - 120	LmS	2.5Y 7 / 4		FO	Moderate	1	1	1	I	1	2.10	-12.86	3a	3a	
693	83	Too Wet to Survey																											
694	82	0 - 40	LmS	10YR 4 / 2				40 - 60	mSL	10YR 5 / 4		FOB	Moderate	60 - 120	SCL	10YR 6 / 4		COB	Poor	1	2	2	II	1	23.61	1.70	2	2	
695	84	0 - 35	LmS	10YR 4 / 2				35 - 65	mSL	10YR 5 / 4		FOB	Moderate	65 - 120	SC	10YR 6 / 4		COB	Poor	1	2	2	II	1	26.11	3.70	2	2	
696	86	0 - 35	mSL	10YR 4 / 3			VFOB	35 - 120	mSL	10YR 6 / 6	10%	COB	Moderate	-	-	-				1	1	1	I	1	47.16	13.80	1	1	
697	85	0 - 40	mSL	10YR 4 / 3			VFOB	40 - 120	mSL	10YR 6 / 6	10%	COB	Moderate	-	-	-				1	1	1	I	1	48.86	15.50	1	1	
698	83	0 - 45	mSL	10YR 4 / 3				45 - 70	mSL	2.5Y 5 / 4		FOB	Moderate	70 - 80	mSL	10YR 5 / 6			Moderate	1	1	1	I	1	14.61	20.70	2	2	
699	83	0 - 40	LmS	10YR 4 / 3				40 - 70	mSL	2.5Y 5 / 4		FOB	Moderate	70 - 85	mSL	10YR 6 / 7			Moderate	1	2	2	I	1	3.11	3.70	3a	3a	
700	82	0 - 35	LmS	10YR 4 / 3			VFOB	35 - 65	mSL	10YR 5 / 4	10%		Moderate	65 - 120	mSL	2.5Y 6 / 4		VFOB	Moderate	1	2	2	I	1	38.93	0.50	2	2	
701	81	0 - 45	LmS	10YR 4 / 3			VFOB	45 - 65	mSL	10YR 5 / 4			Moderate	65 - 120	mSL	10YR 5 / 6		FOB	Moderate	1	2	2	I	1	40.61	2.70	2	2	
702	80	0 - 45	LmS	10YR 4 / 3			VFOB	45 - 65	mSL	10YR 5 / 4			Moderate	65 - 120	mSL	10YR 5 / 6		FOB	Moderate	1	2	2	I	1	40.61	2.70	2	2	
703	78	0 - 35	mS	10YR 4 / 2				35 - 70	mSL	2.5Y 5 / 4	5%	COB	Moderate	70 - 120	LmS	10YR 4 / 6		COB	Moderate	1	3b	3b	I	1	12.01	-1.25	2	3b	
704	78	0 - 40	mS	10YR 4 / 2				40 - 60	mSL	2.5Y 5 / 4	5%	COB	Moderate	60 - 120	LmS	10YR 4 / 6		COB	Moderate	1	3b	3b	I	1	6.38	-7.70	2	3b	
705	78	0 - 40	mS	10YR 4 / 2				40 - 60	mSL	2.5Y 5 / 4	5%	COB	Moderate	60 - 120	LmS	10YR 4 / 6		COB	Moderate	1	3b	1	I	1	6.38	-7.70	2	3b	
706	78	0 - 40	LmS	10YR 4 / 2				40 - 65	mSL	2.5Y 5 / 4	5%	COB	Moderate	65 - 120	LmS	10YR 4 / 6		COB	Moderate	1	2	2	I	1	12.62	-1.05	2	2	
707	79	0 - 35	LmS	10YR 4 / 2				35 - 70	mSL	2.5Y 5 / 4	5%	COB	Moderate	70 - 120	LmS	10YR 4 / 6		COB	Moderate	1	2	2	I	1	15.51	2.25	2	2	
708	79	0 - 25	LmS	10YR 4 / 4	5%			25 - 55	LmS	10YR 6 / 3			Moderate	55 - 120	LmS	2.5Y 7 / 4		COB	Moderate	1	2	2	I	1	-6.89	-21.80	3a	3a	
709	78	0 - 25	LmS	10YR 4 / 4	5%			25 - 55	LmS	10YR 6 / 3			Moderate	55 - 120	LmS	2.5Y 7 / 4		COB	Moderate	1	2	2	I	1	-6.89	-21.80	3a	3a	
710	78	0 - 25	LmS	10YR 4 / 4	5%			25 - 60	LmS	10YR 6 / 4	2%	COB	Moderate	60 - 120	LmS	2.5Y 7 / 4		COB	Moderate	1	2	2	I	1	-7.40	-22.36	3a	3a	
711	79	0 - 30	LmS	10YR 4 / 4	5%		FOB	30 - 60	LmS	10YR 6 / 4	2%	COB	Moderate	60 - 120	LmS	2.5Y 7 / 4		COB	Moderate	1	2	2	I	1	-5.62	-20.58	3a	3a	
712	81	0 - 30	mSL	10YR 4 / 3	2%	2%	FOB	30 - 50	mSL	10YR 5 / 4			FOB	Moderate	50 - 120	SCL	7.5YR 6 / 6		COB	Moderate	1	1	1	I	1	46.69	15.78	1	1
713	83	0 - 35	mSL	10YR 4 / 3	2%	2%	FOB	35 - 55	mSL	10YR 5 / 4			FOB	Moderate	55 - 120	SCL	7.5YR 6 / 6		COB	Moderate	1	1	1	I	1	47.87	16.46	1	1
714	85	0 - 35	LmS	10YR 4 / 3	2%			35 - 60	mSL	10YR 5 / 4			FOB	Moderate	60 - 120	SCL	10YR 6 / 4		COB	Poor	1	2	2	II	1	23.77	1.86	2	2
715	84	0 - 50	mSL	10YR 4 / 2				50 - 70	mSL	2.5Y 5 / 4		FOB	Moderate	70 - 80	mSL	10YR 5 / 6			Moderate	1	1	1	I	1	15.61	21.70	2	2	
716	84	0 - 50	mSL	10YR 4 / 2				50 - 75	mSL	2.5Y 5 / 4		FOB	Moderate	75 - 90	mSL	10YR 6 / 7			Moderate	1	1	1	I	1	26.61	21.70	2	2	
717	83	0 - 40	mSL	10YR 4 / 3			FOB	40 - 70	mSL	10YR 5 / 4	10%	FOB	Moderate	70 - 120	mSL	2.5Y 6 / 4		FOB	Moderate	1	1	1	I	1	54.11	15.50	1	1	
718	84	0 - 35	LmS	10YR 4 / 3			FOB	35 - 65	mSL	10YR 5 / 4	10%	FOB	Moderate	65 - 120	mSL	2.5Y 6 / 4		FOB	Moderate	1	1	1	I	1	52.93	14.50	1	1	
719	82	0 - 35	mSL	10YR 4 / 3			FOB	35 - 65	mSL	10YR 5 / 4	10%	FOB	Moderate	65 - 120	mSL	2.5Y 6 / 4		FOB	Moderate	1	1	1	I	1	52.93	14.50	1	1	
720	81	0 - 35	LmS	10YR 4 / 2				35 - 70	mSL	7.5YR 3 / 3		FOB	Moderate	70 - 120	LmS	10YR 5 / 6		COB	Moderate	1	2	2	I	1	17.61	4.70	2	2	
721	79	0 - 40	LmS	10YR 4 / 2				40 - 70	mSL	7.5YR 3 / 3		FOB	Moderate	70 - 120	LmS	10YR 5 / 6		COB	Moderate	1	2	2	I	1	16.61	3.70	2	2	
722	79	0 - 40	LmS	10YR 4 / 2				40 - 70	mSL	7.5YR 3 / 3		FOB	Moderate	70 - 120	LmS	10YR 5 / 6		COB	Moderate	1	2	2	I	1	16.61	3.70	2	2	
723	78	0 - 40	mSL	10YR 4 / 2	5%	5%		40 - 120	Stone	/			Poor	-	-	-				1	1	1	I	1	-36.29	-28.70	3b	3b	
724	80	0 - 40	mSL	10YR 4 / 2	5%	5%		40 - 120	Stone	/			Poor	-	-	-				1	1	1	I	1	-36.29	-28.70	3b	3b	
725	78	0 - 35	mSL	10YR 4 / 2	5%	5%		35 - 120	Stone	/			Poor	-	-	-				1	1	1	I	1	-43.49	-35.90	3b	3b	
726	80	0 - 25	mSL	10YR 4 / 4	5%			25 - 60	LmS	10YR 6 / 3			Moderate	60 - 120	LmS	2.5Y 7 / 4		COB	Moderate	1	1	1	I	1	2.61	-12.30	3a	3a	
727	78	0 - 30	mSL	10YR 4 / 4	5%			30 - 55	LmS	10YR 6 / 3			Moderate	55 - 120	LmS	2.5Y 7 / 4		COB	Moderate	1	1	1	I	1	6.21	-8.70	2	2	
728	78	0 - 25	mSL	10YR 4 / 4	5%	5%		25 - 30	LmS	10YR 6 / 4			Moderate	30 - 120	Stone	/			Poor	1	1	1	I	1	-53.89	-46.30	4	4	
729	78	0 - 25	mSL	10YR 4 / 4	5%	5%		25 - 30	LmS	10YR 6 / 4			Moderate	30 - 120	Stone	/			Poor	1	1	1	I	1	-53.89	-46.30	4	4	
730	83	0 - 30	mSL	10YR 4 / 2				30 - 60	LmS	10YR 5 / 4		COB	Moderate	60 - 120	mS	7.5YR 5 / 4			Moderate	1	1	1	I	1	2.61	-8.30	3a	3a	
731	84	0 - 30	mSL	10YR 4 / 2				30 - 50	LmS	10YR 5 / 4		COB	Moderate	50 - 120	mS	7.5YR 5 / 4			Moderate	1	1	1	I	1	1.61	-10.30	3a	3a	
732	84	0 - 45	mSL	10YR 4 / 2				45 - 60	mSL	10YR 5 / 4	15%		Moderate	60 - 120	Stone	/			Poor	1	1	1	I	1	-7.02	3.55	3a	3a	
733	84	0 - 40	mSL	10YR 4 / 2				40 - 50	mSL	10YR 5 / 4	15%		Moderate	50 - 120	Stone	/			Poor	1	1	1	I	1	-17.99	-10.40	3a	3a	
734	84	0 - 40	mSL	10YR 4 / 2				40 - 50	mSL	10YR 5 / 4	15%		Moderate	50 - 120	Stone	/			Poor	1	1	1	I	1	-17.99	-10.40	3a	3a	
735	83	0 - 45	LmS	10YR 4 / 2				45 - 60	mSL	10YR 5 / 4			Moderate	60 - 120	LmS	10YR 5 / 6	5%	COB	Moderate	1	2	2	I	1	8.96	-3.70	2	2	
736	83	0 - 45	LmS	10YR 4 / 2				45 - 60	mSL	10YR 5 / 4			Moderate	60 - 120	LmS	10YR 5 / 6	5%	COB	Moderate	1	2	2	I	1	8.96	-3.70	2	2	
737	84	0 - 40	LmS	10YR 4 / 2				40 - 50	mSL	10YR 5 / 4			Moderate	50 - 120	LmS	10YR 5 / 6	5%	COB	Moderate	1	2	2	I	1	4.68	-9.10	3a	3a	
738	83	0 - 30	LmS	10YR 4 / 2	2%	2%		30 - 40	mSL	5YR 3 / 2	10%	FOB	Moderate	40 - 120	mSL	10YR 5 / 6		MOB	Moderate	1	2</								

Sample No	Topsoil			Stoniness			Mottles	Upper Subsoil			Mottles	Lower Subsoil			Mottles	Structure	Grade limit by	Grade limit by	Grade limit by	Wetness Assessment		Droughtiness Assessment		Grade limit by	Most limiting Grade	
	Altitude	Depth	Texture	Colour	<2cm	2-6cm		>6cm	Depth	Texture		Colour	Stoniness	Depth						Texture	Colour	Stoniness	Depth to Gleyed			SPL
759	78	0 - 45	LmS	10YR 5 / 4	5%			45 - 60	LmS	2.5Y 5 / 4	10%		60 - 120	mSL	2.5Y 7 / 4	15%	COB	Moderate	1	2	I	1	19.51	-12.30	3a	3a
760	78	0 - 40	LmS	10YR 5 / 4	2%	2%		40 - 60	LmS	2.5Y 5 / 4	10%		60 - 120	mSL	2.5Y 7 / 4	15%	COB	Moderate	1	2	I	1	17.89	-13.92	3a	3a
761	33	0 - 30	mSL	10YR 3 / 3	5%	5%		30 - 55	mSL	7.5YR 3 / 2	5%	FOB	Good	55 - 120	LmS	10YR 4 / 6		Good	1	1	I	1	40.89	11.40	1	1
762	35	0 - 30	mSL	10YR 3 / 3	5%	5%		30 - 60	mSL	7.5YR 3 / 2	5%	FOB	Good	60 - 120	LmS	10YR 4 / 6		Good	1	1	I	1	42.58	13.50	1	1
763	37	0 - 30	mSL	10YR 3 / 3	5%	5%		30 - 60	mSL	7.5YR 3 / 2	5%	FOB	Good	60 - 120	LmS	10YR 4 / 6		Good	1	1	I	1	42.58	13.50	1	1
764	41	0 - 35	mS	10YR 5 / 4	5%			35 - 120	LmS	10YR 5 / 6	5%		Good	-		/			1	3b	I	1	14.88	-13.15	3a	3b
765	42	0 - 30	mS	10YR 5 / 4	5%			30 - 120	LmS	10YR 5 / 6	5%		Good	-		/			1	1	I	1	14.88	-13.15	3a	3a
766	42	0 - 35	LmS	10YR 4 / 3	5%			35 - 60	LmS	10YR 5 / 6	10%		Good	60 - 120	Stone	/		Poor	1	1	I	1	-31.49	-21.65	3b	3b
767	43	0 - 35	LmS	10YR 4 / 3	5%			35 - 65	LmS	10YR 5 / 6	10%		Good	65 - 120	Stone	/		Poor	1	1	I	1	-27.67	-16.70	3b	3b
768	46	0 - 35	mSL	10YR 4 / 2	5%			35 - 55	mS	10YR 4 / 3	5%		Good	55 - 120	mS	7.5YR 6 / 4		Good	1	1	I	1	-0.76	-12.70	3a	3a
769	45	0 - 35	LmS	10YR 4 / 3	5%			35 - 60	mS	7.5YR 5 / 4			Good	60 - 120	mS	7.5YR 6 / 4		Good	1	1	I	1	-13.49	-25.40	3a	3a
770	39	0 - 30	mSL	10YR 3 / 2	5%			30 - 60	mSL	10YR 5 / 3	5%		Good	60 - 120	mS	7.5YR 5 / 6		Good	6	1	I	1	20.98	10.90	2	2
771	41	0 - 30	mSL	10YR 3 / 2	5%			30 - 70	mSL	10YR 5 / 3	5%		Good	70 - 120	mS	10YR 5 / 6		Good	1	1	I	1	28.36	20.10	2	2
772	47	0 - 30	LmS	10YR 4 / 6	5%			30 - 120	mS	10YR 5 / 6	10%		Good	-		/			1	2	I	1	-20.54	-30.50	3b	3b
773	48	0 - 30	LmS	10YR 4 / 6	5%			30 - 120	mS	10YR 5 / 6	10%		Good	-		/			1	1	I	1	-20.54	-30.50	3b	3b
774	47	0 - 40	LmS	10YR 4 / 3	5%			40 - 50	mS	10YR 5 / 6	10%		Good	50 - 120	Stone	/		Poor	1	2	I	1	-42.89	-35.30	3b	3b
775	48	0 - 35	LmS	10YR 4 / 3	5%			35 - 50	mS	10YR 5 / 6	5%		Good	50 - 120	Stone	/		Poor	1	1	I	1	-45.44	-37.85	3b	3b
776	48	0 - 35	LmS	10YR 4 / 3	5%			35 - 45	mS	10YR 5 / 6	5%		Good	45 - 120	Stone	/		Poor	1	1	I	1	-48.29	-40.70	3b	3b
777	49	0 - 35	mSL	10YR 4 / 2	5%			35 - 45	mS	10YR 4 / 3	5%		Good	45 - 120	Stone	/		Poor	1	1	I	1	-34.99	-27.40	3b	3b
778	49	0 - 35	LmS	10YR 4 / 3	5%			35 - 50	mS	7.5YR 5 / 4			Good	50 - 120	mS	7.5YR 6 / 4		Good	1	1	I	1	-13.49	-25.40	3a	3a
779	48	0 - 35	LmS	10YR 4 / 3	5%			35 - 60	mS	7.5YR 5 / 4			Good	60 - 120	mS	7.5YR 6 / 4		Good	1	2	I	1	-13.49	-25.40	3a	3a
780	45	0 - 35	LmS	10YR 4 / 3	5%			35 - 60	mS	10YR 5 / 3	5%		Good	60 - 120	mS	7.5YR 6 / 3	2%	Good	1	1	I	1	-14.71	-26.27	3a	3a
781	40	0 - 30	LmS	7.5YR 4 / 3	5%			30 - 55	mSL	7.5YR 4 / 6	10%		Good	55 - 120	Stone	/		Poor	1	2	I	1	-25.27	-16.10	3b	3b
782	34	0 - 30	LmS	7.5YR 4 / 3	5%			30 - 50	mSL	7.5YR 4 / 6	10%		Good	50 - 120	Stone	/		Poor	1	1	I	1	-30.89	-23.30	3b	3b
783	41	0 - 30	mSL	10YR 3 / 2	5%			30 - 60	mSL	10YR 5 / 3	5%		Good	60 - 120	mS	10YR 5 / 6		Good	1	1	I	1	20.98	10.90	2	2
784	42	0 - 45	mSL	10YR 5 / 2	5%			45 - 55	Chalk	/			Poor	55 - 120	Stone	/		Poor	1	1	I	1	-17.74	-8.90	3a	3a
785	47	0 - 50	mSL	10YR 5 / 2	5%			50 - 60	Chalk	/			Poor	60 - 120	Stone	/		Poor	1	1	I	1	-11.39	-1.30	3a	3a
786	53	Non Agricultural																	1	1	I	1				
787	52	0 - 35	LmS	10YR 4 / 3	5%			35 - 80	mS	10YR 5 / 3	5%		Good	80 - 120	Stone	/		Poor	1	1	I	1	-32.62	-26.45	3b	3b
788	50	0 - 35	LmS	10YR 4 / 3	5%			35 - 70	mS	10YR 5 / 4	5%		Good	70 - 120	Stone	/		Poor	1	1	I	1	-36.89	-26.45	3b	3b
789	49	0 - 25	LmS	10YR 4 / 4	5%	5%		25 - 70	mS	10YR 5 / 6	10%		Good	70 - 120	Stone	/		Poor	1	2	I	1	-45.29	-35.00	3b	3b
790	50	0 - 30	LmS	10YR 4 / 3	5%			30 - 120	Stone	/			Poor	-		/			1	1	I	1	-59.69	-52.10	4	4
791	51	0 - 35	LmS	10YR 5 / 3	5%	5%		35 - 70	mS	7.5YR 5 / 2		FO	Good	70 - 120	mS	7.5YR 6 / 4		Good	1	1	I	1	-15.59	-27.50	3a	3a
792	49	0 - 35	LmS	10YR 4 / 3	5%			35 - 60	mS	7.5YR 5 / 4			Good	60 - 120	mS	7.5YR 6 / 4		Good	1	1	I	1	-13.49	-25.40	3a	3a
793	47	0 - 40	LmS	10YR 4 / 3	5%			40 - 60	mS	10YR 5 / 3	5%		Good	60 - 120	mS	7.5YR 6 / 4		Good	1	2	I	1	-11.32	-23.30	3a	3a
794	43	0 - 40	LmS	10YR 4 / 3	5%			40 - 60	mS	10YR 5 / 3	5%		Good	60 - 120	Stone	/		Poor	1	1	I	1	-38.32	-29.30	3b	3b
795	34	0 - 30	LmS	7.5YR 4 / 3	5%			30 - 60	mSL	7.5YR 4 / 6	10%		Good	60 - 120	Stone	/		Poor	1	1	I	1	-19.64	-8.90	3a	3a
796	43	0 - 40	mSL	10YR 3 / 2	5%			40 - 60	mSL	10YR 5 / 3	5%		Good	60 - 70	Chalk	/		Poor	1	1	I	1	-2.02	13.90	3a	3a
797	45	0 - 45	mSL	10YR 5 / 3	5%			45 - 50	Chalk	/			Poor	50 - 120	Stone	/		Poor	1	1	I	1	-20.99	-13.40	3b	3b
798	49	0 - 45	mSL	10YR 5 / 2	5%			45 - 55	Chalk	/			Poor	55 - 120	Stone	/		Poor	1	1	I	1	-17.74	-8.90	3a	3a
799	56	0 - 35	LmS	/				35 - 45	Chalk	/			Poor	45 - 120	Stone	/		Poor	1	2	I	1	-42.89	-35.30	3b	3b
800	55	0 - 35	LmS	10YR 4 / 3	5%			35 - 70	mS	10YR 5 / 3	5%		Good	70 - 120	Stone	/		Poor	1	1	I	1	-36.89	-26.45	3b	3b
801	55	0 - 40	LmS	10YR 4 / 3	5%			40 - 60	mS	10YR 5 / 3	5%		Good	60 - 120	Stone	/		Poor	1	2	I	1	-38.32	-29.30	3b	3b
802	56	0 - 35	LmS	10YR 4 / 3	5%			35 - 70	mS	10YR 5 / 4	5%		Good	70 - 120	Stone	/		Poor	1	1	I	1	-36.89	-26.45	3b	3b
803	56	Non Agricultural																	1	1	I	1				
804	54	0 - 40	LmS	10YR 5 / 3	5%	5%		40 - 60	mS	7.5YR 5 / 2		FO	Good	60 - 120	Stone	/		Poor	1	1	I	1	-40.19	-31.10	3b	3b
805	53	0 - 40	LmS	10YR 5 / 3	5%	5%		40 - 70	mS	7.5YR 5 / 2		FO	Good	70 - 120	Stone	/		Poor	1	2	I	1	-35.69	-25.10	3b	3b
806	49	0 - 40	LmS	10YR 4 / 3	5%			40 - 60	mS	10YR 5 / 3	5%		Good	60 - 120	Stone	/		Poor	1	1	I	1	-38.32	-29.30	3b	3b
807	44	0 - 35	LmS	10YR 4 / 3	5%	5%		35 - 60	mS	7.5YR 5 / 4	10%	COB	Good													

Appendix 4b – Trial Pit Descriptions

Sample Point No. 6		
Horizon 1	0-30cm Dark greyish brown (10YR 4/2) loamy medium sand. With 6% small to large stones.	
Horizon 2	30-50cm Yellowish brown (10YR 5/8) loamy medium sand with a coarse sub angular blocky structure, with firm consistence and few ochreous mottles. 5% small to medium hard stones.	
Horizon 3	50-120cm Pale brown (10YR 6/3) sandy clay loam with moderate coarse subangular blocky structure, firm consistence and few ochreous mottles. 10% small to medium hard stones.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	15.00	
MB potatoes	-12.06	
Droughtiness Limitation	3a	

Sample Point No. 56		
Horizon 1	0-40cm Dark brown (10YR 3/3) medium sandy loam. With 10% small to large hard stones.	
Horizon 2	40-60cm Yellowish brown (7.5YR 5/4) loamy medium sand with a very coarse sub angular blocky structure, with firm consistence and few ochreous mottles. 25% small to medium hard stones.	
Horizon 3	60cm Impenetrable due to hard limestone – assumed that the stones continue to 120cm for the purposes of droughtiness calculation.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-26.17	
MB potatoes	-16.70	
Droughtiness Limitation	3b	

Sample Point No. 108		
Horizon 1	0-30cm Brown (10YR 4/3) loamy medium sand. With 2% small stones.	
Horizon 2	30-50cm Strong brown (7.5YR 5/6) medium sand with a coarse sub angular blocky structure, with firm consistence and few ochreous mottles.	
Horizon 3	50-120cm Very pale brown (10YR 7/4) medium sand with medium sub angular blocky structure, with firm consistence and very few ochreous. 5% small and medium hard stones.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not Present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-16.69	
MB potatoes	-27.62	
Droughtiness Limitation	3a	

Sample Point No. 153		
Horizon 1	0-35cm Dark yellowish brown (10YR 4/4) calcareous sandy clay loam. With 10% small-medium angular stones.	
Horizon 2	35-60cm Brown (10YR 5/3) calcareous clay with a coarse sub angular blocky structure, with firm consistence and common ochreous mottles. With 5% stoniness.	
Horizon 3	60-80cm Pale brown (10YR 6/3) calcareous clay with a firm coarse angular blocky structure and few ochreous mottles.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Starts at 60cm – evidenced by firm coarse angular blocky structure with less than 0.5% biopores >0.5mm.	
Gleying	Starts at 35cm evidenced by pale colours and ochreous mottles.	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	24.01	
MB potatoes	11.73	
Droughtiness Limitation	2	

Sample Point No. 179	
Horizon 1	0-40cm Dark greyish brown (7.5YR 4/3) sandy clay loam. With 5% small hard stones.
Horizon 2	40-75cm Strong brown (7.5YR 5/8) calcareous sandy clay loam with a coarse sub angular blocky structure, with firm consistence and very few ochreous mottles. With 2% stoniness.
Horizon 3	75-120cm chalk rubble
Pictures	
Horizon 1	Horizon 2 Horizon 3
	 
Slowly permeable layer	Not present
Gleying	Not present
Wetness Class	I
Wetness limitation	2
MB Wheat	33.15
MB potatoes	15.66
Droughtiness Limitation	1

Sample Point No. 200		
Horizon 1	0-40cm Dark greyish brown (10YR 4/2) medium sandy loam with 5% small angular hardstones.	
Horizon 2	40-60cm Yellowish brown (10YR 5/4) sandy clay loam with a mechanical platy structure, due to compaction at the top of the subsoil. Slightly deeper, the structure was found to be coarse subangular blocky structure, with friable consistence and few ochreous mottles. With 5% stoniness.	
Horizon 3	60-120cm Pale brown (10YR 6/3) calcareous clay with pockets of sand. A coarse prismatic structure with with firm consistence and few ochreous mottles.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	II	
Wetness limitation	1	
MB Wheat	34.23	
MB potatoes	16.10	
Droughtiness Limitation	1	

Sample Point No. 249		
Horizon 1	0-40cm Dark yellowish brown (7.5YR 4/4) loamy medium sand. With 15% small to large angular and subangular hard stones.	
Horizon 2	40-90cm Yellowish brown (10YR 5/6) medium sandy loam with a medium sub angular blocky structure, with firm consistence and common ochreous mottles. With 25% stoniness.	
Horizon 3	90-120cm Brownish yellow (10YR 6/6) loamy medium sand with medium angular blocky structure, with firm consistence.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	II	
Wetness limitation	1	
MB Wheat	5.41	
MB potatoes	-14.00	
Droughtiness Limitation	3a	

Sample Point No. 263		
Horizon 1	0-40cm Dark yellowish brown (10YR 4/4) calcareous loamy medium sand.	
Horizon 2	40-45cm Strong brown (7.5YR 5/6) calcareous medium sandy loam with Chalk. A medium sub angular blocky structure, with firm consistence and few ochreous mottles. With 20% stoniness.	
Horizon 3	45cm Impenetrable due to hard limestone – assumed that the stones continue to 120cm for the purposes of droughtiness calculation.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-40.29	
MB potatoes	-32.70	
Droughtiness Limitation	3b	

Sample Point No. 282		
Horizon 1	0-35cm Brown (10YR 4/3) loamy medium sand. With 6% small to large angular stones.	
Horizon 2	35-90cm Yellowish brown (10YR 5/4) medium sand with a coarse sub angular blocky structure, with firm consistence and common ochreous mottles. With 5% stoniness.	
Horizon 3	90-120cm Pale brown (10YR 6/3) sandy clay loam course sub angular blocky structure, with firm consistence and very few ochreous mottles.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-0.26	
MB potatoes	-26.87	
Droughtiness Limitation	3a	

Sample Point No. 291		
Horizon 1	0-30cm Dark yellowish brown (10YR 4/4) loamy medium sand. With 4% small to medium angular stones.	
Horizon 2	30-75cm Yellowish brown (10YR 5/6) medium sand with a medium sub angular blocky structure, with firm consistence and few ochreous mottles. With 20% stoniness.	
Horizon 3	75-120cm Brownish yellow (10YR 6/6) medium sand with medium sub angular blocky structure, with firm consistence, with 30% small hard limestone stones.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-26.56	
MB potatoes	-32.54	
Droughtiness Limitation	3b	

Sample Point No. 312		
Horizon 1	0-30cm Brown (10YR 4/3) medium sand. With 7% small to medium angular stones.	
Horizon 2	30-60cm Brown (7.5YR 4/4) medium sand with a coarse angular blocky structure, with firm consistence, with 5% stoniness.	
Horizon 3	60-120cm Light yellowish brown (10YR 6/4) medium sand with a massive structure, firm consistence, few ochreous mottles and 5% stoniness.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-21.88	
MB potatoes	-32.81	
Droughtiness Limitation	3b	

Sample Point No. 366		
Horizon 1	0-30cm Brown (10YR 4/3) loamy medium sand. With 2% small stones.	
Horizon 2	30-50cm Brown (7.5YR 5/4) loamy medium sand with a coarse sub angular blocky structure, with firm consistence and few ochreous mottles.	
Horizon 3	50-120cm Light yellowish brown (10YR 6/4) medium sand with coarse sub angular blocky structure, with firm consistence and common ochreous mottles. Lumps of chalk present from 90cm	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not slowly permeable.	
Gleying	Starts at 50cm evidenced by pale colours and ochreous mottles.	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-11.11	
MB potatoes	-23.02	
Droughtiness Limitation	3a	

Sample Point No. 396		
Horizon 1	0-30cm Brown (10YR 4/3) medium sandy loam. With 7% small to large stones.	
Horizon 2	30-50cm Yellowish brown (10YR 5/4) sandy clay loam with a weak coarse sub angular blocky structure. With firm consistence and common ochreous mottles. With 5% stoniness.	
Horizon 3	50-70cm Light yellowish brown (2.5Y 6/3) calcareous clay with sand pockets. Massive structure, with firm consistence and many ochreous mottles. With 10% stoniness. Impenetrable at 70cm due to hard stone	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Starts at 50cm evidenced by pale colours and ochreous mottles.	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-10.15	
MB potatoes	14.94	
Droughtiness Limitation	3a	

Sample Point No. 445		
Horizon 1	0-35cm Dark brown (10YR 3/3) medium sandy loam. With 5% small angular stones.	
Horizon 2	35-75cm Yellowish brown (10YR 5/6) sandy clay loam with a medium sub angular blocky structure, with firm consistence and common ochreous mottles. With 5% stoniness.	
Horizon 3	75cm Impenetrable due to hard limestone – assumed that the stones continue to 120cm for the purposes of droughtiness calculation.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	1.82	
MB potatoes	13.45	
Droughtiness Limitation	3a	

Sample Point No. 453		
Horizon 1	0-35cm Brown (10YR 5/3) loamy medium sand. With 5% small angular stones.	
Horizon 2	35-45cm Very pale brown (10YR 7/4) calcareous medium sandy loam with pieces of soft limestone/chalk.	
Horizon 3	45cm Impenetrable due to hard limestone – assumed that the stones continue to 120cm for the purposes of droughtiness calculation.	
Visit on 19/08/24		
Horizon 1	Horizon 2	Horizon 3
		
Visit on 18/10/24		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-39.99	
MB potatoes	-32.40	
Droughtiness Limitation	3b	

Sample Point No. 460		
Horizon 1	0-35cm Dark greyish brown (10YR 4/2) loamy medium sand.	
Horizon 2	35-70cm Light yellowish brown (10YR 6/4) medium sandy loam with a coarse sub angular blocky structure, with firm consistence and few ochreous mottles. With 5% stoniness.	
Horizon 3	70-80cm Very pale brown (10YR 7/3) calcareous medium clay loam, impenetrable at 90cm due to hard limestone.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	No slowly permeable layer.	
Gleying	No evidence of gleying.	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-2.39	
MB potatoes	4.70	
Droughtiness Limitation	3a	

Sample Point No. 568		
Horizon 1	0-35cm Brown (10YR 4/3) medium sandy loam.	
Horizon 2	35-80cm Greyish brown (10YR 5/2) loamy medium sand with a coarse angular blocky structure, with firm consistence.	
Horizon 3	80-120cm Pale brown (10YR 6/3) sandy clay loam, coarse sub angular blocky structure, with firm consistence and few ochreous.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	28.61	
MB potatoes	-2.30	
Droughtiness Limitation	2	

Sample Point No. 575		
Horizon 1	0-40cm Dark yellowish brown (10YR 4/4) medium sandy loam. With 10% small to medium angular stones.	
Horizon 2	40-70cm Strong brown (7.5YR 4/6) loamy medium sand with a coarse angular blocky structure, with firm consistence and common ochreous mottles. With 7% stoniness.	
Horizon 3	70-120cm Yellowish brown (10YR 5/6) loamy medium sand with medium sub angular blocky structure, with firm consistence and common ochreous mottles. With 5% stoniness.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	7.50	
MB potatoes	-6.38	
Droughtiness Limitation	2	

Sample Point No. 617		
Horizon 1	0-35cm Dark greyish brown (10YR 4/2) loamy medium sand. With 5% small angular stones.	
Horizon 2	35-60cm Brownish yellow (10YR 6/6) medium sandy loam with a coarse platy structure, with friable consistence and very few ochreous mottles. With 15% stoniness.	
Horizon 3	60-120cm Brown (10YR 5/3) calcareous sandy clay loam, coarse subangular blocky structure, with firm consistence and common ochreous mottles. With 5% stoniness.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Starts at 60cm evidenced by pale colours and ochreous mottles.	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	26.93	
MB potatoes	-3.35	
Droughtiness Limitation	2	

Sample Point No. 654		
Horizon 1	0-40cm Dark yellowish brown (10YR 4/4) loamy medium sand. With 4% small-medium angular stones.	
Horizon 2	40-90cm Light yellowish brown (10YR 6/4) medium sand with a medium angular blocky structure, firm consistence and many ochreous mottles. With 5% stoniness.	
Horizon 3	90-120cm Light brownish grey (10YR 6/2) sandy clay loam with coarse sub angular blocky structure, with firm consistence and very many ochreous mottles.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Starts at 60cm evidenced by pale colours and ochreous mottles.	
Wetness Class	II	
Wetness limitation	1	
MB Wheat	3.49	
MB potatoes	-23.12	
Droughtiness Limitation	3a	

Sample Point No. 662		
Horizon 1	0-45cm Brown (10YR 4/3) medium sandy loam.	
Horizon 2	45-60cm Brownish yellow (10YR 6/6) medium sandy loam with a coarse sub angular blocky structure, with firm consistence. With 10% stoniness.	
Horizon 3	60-120cm Light brownish grey (10YR 6/2) sandy clay loam with a weak coarse sub angular blocky structure, with firm consistence and many ochreous mottles.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Starts at 60cm evidenced by pale colours and ochreous mottles.	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	38.86	
MB potatoes	16.60	
Droughtiness Limitation	1	

Sample Point No. 691		
Horizon 1	0-25cm Dark yellowish brown (10YR 4/4) loamy medium sand. With 4% small to medium angular stones.	
Horizon 2	25-60cm Yellowish brown (10YR 5/4) loamy medium sand with a medium sub angular blocky structure, with firm consistence and common ochreous mottles. With 2% stoniness.	
Horizon 3	60-120cm Pale brown (2.5Y 7/4) loamy medium sand with medium sub angular blocky structure, with firm consistence and few ochreous mottles.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-7.40	
MB potatoes	-22.36	
Droughtiness Limitation	3a	

Sample Point No. 712		
Horizon 1	0-30cm Brown (10YR 4/3) medium sandy loam. With 4% small to medium angular stones	
Horizon 2	30-50cm Yellowish brown (10YR 5/4) medium sandy loam with a coarse angular blocky structure, with firm consistence and few ochreous mottles.	
Horizon 3	50-120cm Reddish yellow (7.5YR 6/6) sandy clay loam with coarse sub angular blocky structure, with firm consistence and common ochreous mottles.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	46.69	
MB potatoes	15.78	
Droughtiness Limitation	1	

Sample Point No. 759		
Horizon 1	0-45cm Yellowish brown (10YR 5/4) loamy medium sand. With 5% small angular stones.	
Horizon 2	45-60cm Light olive brown (2.5Y 5/4) loamy medium sand with a medium sub angular blocky structure, with firm consistence. With 10% stoniness.	
Horizon 3	60-120cm Pale brown (2.5Y 7/4) medium sandy loam with medium sub angular blocky structure, with firm consistence and common ochreous mottles. With 15% stoniness.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Starts at 60cm evidenced by pale colours and ochreous mottles.	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	19.51	
MB potatoes	-12.30	
Droughtiness Limitation	3a	

Sample Point No. 762		
Horizon 1	0-30cm dark brown (10YR 3/3) medium sandy loam. With 10% <2-6cm stones.	
Horizon 2	30-60cm dark brown (7.5YR 3/2) medium sandy loam with a medium subangular blocky structure, with friable consistence, few ochreous mottles and 5% stoniness.	
Horizon 3	60-120cm dark yellowish brown (10YR 4/6) loamy medium sand with granular structure and friable consistence.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	42.58	
MB potatoes	13.50	
Droughtiness Limitation	1	

Sample Point No. 816		
Horizon 1	0-35cm brown (10YR 4/3) loamy medium sand. With 15% <2- >6cm stones.	
Horizon 2	35-60cm brown (7.5YR 5/3) loamy medium sand with a coarse sub angular blocky structure, with friable consistence, common ochreous mottles and 10% stoniness.	
Horizon 3	60-120cm Impenetrable hard stone – assumed to continue to 120cm for purposes of droughtiness claculations.	
Pictures		
Horizon 1	Horizon 2	Horizon 3
		
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	-46.04	
MB potatoes	-37.10	
Droughtiness Limitation	3b	

Appendix 4b – Trial Pit Descriptions



Sample Point 25



Sample Point 66



Sample Point 75



Sample Point 90



Sample Point 202



Sample Point 218



Sample Point 246



Sample Point 370



Sample Point 439



Sample Point 496



Sample Point 516



Sample Point 534



Sample Point 626



Sample Point 633



Sample Point 642



Sample Point 644



Sample Point 715



Sample Point 721



Sample Point 779



Sample Point 789



Sample Point 799



Sample Point 808



Sample Point 762 – Example of stones



Sample Point 816 – Example of stones

ANALYTICAL REPORT

Report Number	51899-24	W250	AMET PROPERTY
Date Received	09-SEP-2024		HENWICK BARN
Date Reported	20-SEP-2024		BULWICK
Project	SOIL		CORBY
Reference	DROVES		NORTHANTS
Order Number			NN17 3DU

Laboratory Reference		SOIL710849	SOIL710850	SOIL710851	SOIL710852	SOIL710853	SOIL710854				
Sample Reference		DROVES 715 SS2	DROVES 691	DROVES 704	DROVES 654 SS2	DROVES 115	DROVES 521				
Determinand	Unit	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL				
Coarse Sand 2.00-0.63mm	% w/w	5	4	8	4	6	6				
Medium Sand 0.63-0.212mm	% w/w	45	47	48	33	43	48				
Fine Sand 0.212-0.063mm	% w/w	26	36	31	23	28	27				
Silt 0.063-0.002mm	% w/w	13	9	10	15	13	9				
Clay <0.002mm	% w/w	11	4	3	25	10	10				
Textural Class **		mSL	mS/LmS	mS	SCL	mSL	LmS				

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.

Reported by	** Please see the attached document for the definition of textural classes. Teresa Clyne 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
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ANALYTICAL REPORT

Report Number	51901-24	W250	AMET PROPERTY
Date Received	09-SEP-2024		HENWICK BARN
Date Reported	23-SEP-2024		BULWICK
Project	SOIL		CORBY
Reference	DROVES		NORTHANTS
Order Number			NN17 3DU

Laboratory Reference		SOIL710859	SOIL710860								
Sample Reference		DROVES 654 SS1	DROVES 489 SS1								
Determinand	Unit	SOIL	SOIL								
Coarse Sand 2.00-0.63mm	% w/w	7	7								
Medium Sand 0.63-0.212mm	% w/w	60	38								
Fine Sand 0.212-0.063mm	% w/w	23	21								
Silt 0.063-0.002mm	% w/w	6	20								
Clay <0.002mm	% w/w	4	14								
Textural Class **		mS	mSL								

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.

Reported by	** Please see the attached document for the definition of textural classes. <i>Gabrielle Parkes</i> 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
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ANALYTICAL REPORT

Report Number	61230-24	W250	AMET PROPERTY
Date Received	24-OCT-2024		HENWICK BARN
Date Reported	14-NOV-2024		BULWICK
Project	SOIL		CORBY
Reference	DROVES		NORTHANTS
Order Number			NN17 3DU

Laboratory Reference		SOIL718795	SOIL718796	SOIL718797	SOIL718798	SOIL718799	SOIL718800				
Sample Reference		DROVES 163	DROVES 423	DROVES 123	DROVES 460	DROVES 141	DROVES 476				
Determinand	Unit	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL				
Coarse Sand 2.00-0.63mm	% w/w	4	10	9	12	6	8				
Medium Sand 0.63-0.212mm	% w/w	38	49	47	44	46	44				
Fine Sand 0.212-0.063mm	% w/w	25	29	29	25	25	21				
Silt 0.063-0.002mm	% w/w	13	6	8	11	11	12				
Clay <0.002mm	% w/w	20	6	7	8	12	15				
Textural Class **		SCL	mS/LmS	LmS	LmS	mSL	mSL				

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.

Reported by	** Please see the attached document for the definition of textural classes. Teresa Clyne 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
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ANALYTICAL REPORT

Report Number	61233-24	W250	AMET PROPERTY
Date Received	24-OCT-2024		HENWICK BARN
Date Reported	14-NOV-2024		BULWICK
Project	SOIL		CORBY
Reference	DROVES		NORTHANTS
Order Number			NN17 3DU

Laboratory Reference		SOIL718810	SOIL718811	SOIL718812	SOIL718813	SOIL718814	SOIL718815				
Sample Reference		DROVES 366	DROVES 462 SS1	DROVES 202	DROVES 282	DROVES 282 SS2	DROVES 462				
Determinand	Unit	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL				
Coarse Sand 2.00-0.63mm	% w/w	9	5	5	4	3	4				
Medium Sand 0.63-0.212mm	% w/w	50	19	40	50	35	32				
Fine Sand 0.212-0.063mm	% w/w	23	15	26	28	27	24				
Silt 0.063-0.002mm	% w/w	9	39	14	11	16	20				
Clay <0.002mm	% w/w	9	22	15	7	19	20				
Textural Class **		LmS	MCL	mSL	LmS	SCL	SCL				

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.

Reported by	** Please see the attached document for the definition of textural classes. Teresa Clyne 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
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ANALYTICAL REPORT

Report Number	22504-25	W250	AMET PROPERTY
Date Received	06-OCT-2025		HENWICK BARN
Date Reported	13-OCT-2025		BULWICK
Project	KERNON		CORBY
Reference	DROVES		NORTHANTS
Order Number			NN17 3DU

Laboratory Reference		SOIL767432									
Sample Reference		D816									
Determinand	Unit	SOIL									
Coarse Sand 2.00-0.63mm	% w/w	5									
Medium Sand 0.63-0.212mm	% w/w	42									
Fine Sand 0.212-0.063mm	% w/w	37									
Silt 0.063-0.002mm	% w/w	9									
Clay <0.002mm	% w/w	7									
Textural Class **		LmS									

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.

Reported by	** Please see the attached document for the definition of textural classes. <i>Ella Knowles</i> 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
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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)

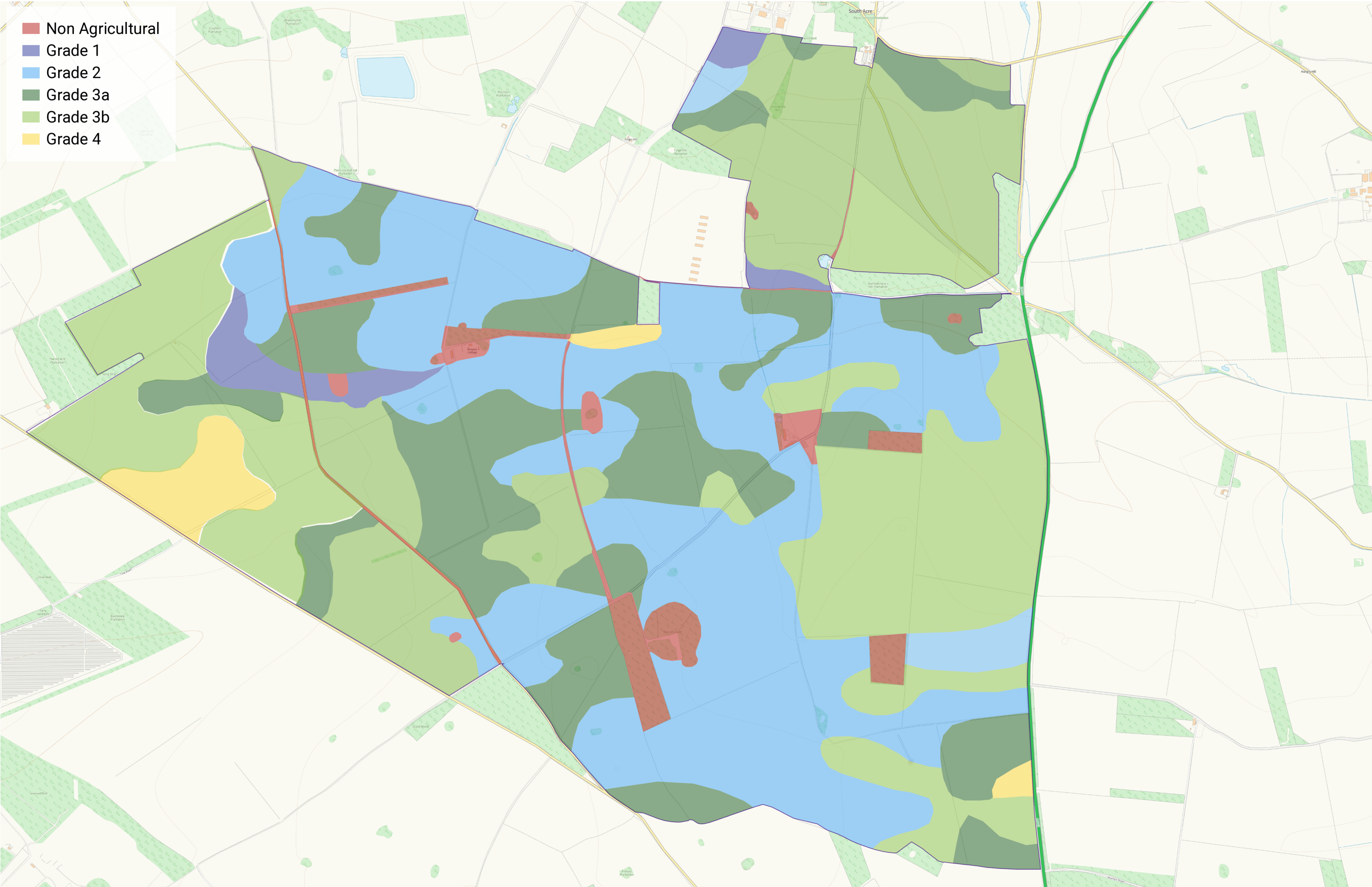
Organic soils i.e. those with an organic matter greater than 10% will be preceded with a letter O.

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 6 - Map of ALC Grade





THE DROVES
SOLAR FARM