East Pye Solar

Environmental Statement

Volume 3: Appendix 15.1 – Agricultural Land Classification

Revision 1

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AGRICULTURAL LAND CLASSIFICATION
EAST PYE SOLAR

CLIENT: ISLAND GREEN POWER
PROJECT: EAST PYE SOLAR
DATE: 19TH FEBRUARY 2026 – ISSUE 4
ISSUED BY: [redacted] MRICS FAAV

CONTENTS

1. EXECUTIVE SUMMARY

1.1 This report assesses the Agricultural Land Classification (ALC) grading of 1053.4Ha, of agricultural land at Long Stratton.

1.2 The limiting factor found to be soil wetness on the heavier soils with slowly permeable subsoils and soil droughtiness in areas where soils are free draining and soils are lighter and stonier.

1.3 The land is graded as follows:

	Map A	Map B	Map C	Map D	Map E	Map F	total
Grade 2	201.1	46.1	3.3	5.3	86.3	55.3	397.4
Grade 3a	168.7	36.8	140	43.4	3.3	39.5	431.7
Grade 3b	145.1	20.4	1.5	3.3			170.3
Grade 4	12.7	14.7	0.7				28.1
Non-Ag	4.6	1.3	2	1.6			9.5
Not surveyed					12.4	4	16.4
Total	532.2	119.3	147.5	53.6	102	98.8	1053.4

Grade 2: 397.4 Ha

Grade 3a: 431.7 Ha

Grade 3b: 170.3 Ha

Grade 4: 28.1Ha

Non-Agricultural: 9.5 Ha

Not Surveyed: 16.4 Ha

2. INTRODUCTION

2.1 Amet Property Ltd have been instructed by Island Green Power to produce an Agricultural Land Classification (ALC) report on a 1053.4-hectare site on land south of Norwich largely to the east of Ipswich Road north of Pulham Market and south of Newton Flotman.

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

2.3 The report is based on a site visit conducted by [redacted] and 3 assistant surveyors over 32-man days in July and August 2024. The weather ranged from sunny to overcast and showery and soils started moist but dried throughout the survey period.

2.4 During the inspections 25 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 handbook[1]; where an auger has been used the structure is described as good, moderate or poor based on figure 9,10 and 11 in the MAFF[2] guidance. Colours are described using Munsell Colours[3].

2.5 The 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.

2.6 The surveyed area extends to 1053.4Ha of arable land. Because the land is spread out, it has been mapped on 6 separate plans which are referred to throughout this report as maps A-F.

2.7 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.

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[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

2.8 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.

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

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

3. PUBLISHED INFORMATION

3.1 The British Geological Survey (BGS) 1:50,000 scale map results:

Long Stratton Map A

Land with sample points 1-53:
The BGS survey identifies the bedrock geology to be Crag Group – sand and gravel with superficial deposits of Lowestoft Formation – diamicton.

Land with sample points 54-102:
The BGS survey identifies the bedrock geology to be Crag Group – sand and gravel with superficial deposits of Lowestoft Formation – diamicton.

Land with sample points 103-188:
The BGS survey identifies the bedrock geology to be Crag Group – sand and gravel with superficial deposits of Lowestoft Formation – diamicton. Apart from the southern area of the site, either side of Fairstead Lane which has the bedrock geology identified to be Norwich Crag Formation – sand with superficial deposits of Leet Hill Sand and Gravel Member – sand and gravel.

Land with sample points 189-338:
The BGS survey identifies the bedrock geology to be Crag Group – sand and gravel with superficial deposits of Lowestoft Formation – diamicton.

Land with sample points 339-410:
The BGS survey identifies the bedrock geology to be Norwich Crag Group – sand with superficial deposits of Lowestoft Formation – diamicton.

Land with sample points 411-500:
The BGS survey identifies the bedrock geology to be largely Crag Group – sand and gravel with superficial deposits of Lowestoft Formation – diamicton. Around the western boundary the bedrock geology is identified to be Norwich Crag

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[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

Formation – sand with superficial deposits of Head – clay, silt, sand and gravel. In the northeast corner of the site there is bedrock geology is found to be Norwich Crag Formation – sand with superficial deposits of Leet Hill Sand and Gravel Member – sand and gravel.

Land with sample points 501-519:
The BGS survey identifies the bedrock geology to be Norwich Crag Group – sand with superficial deposits of Lowestoft Formation – diamicton.

Long Stratton Map B

The map shows the land north of Fairstead Land to have bedrock geology of Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations – Chalk with superficial deposits of Lowestoft Formation - Diamicton. The southwest corner has a patch of bedrock geology of Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations – Chalk with superficial deposits of Alluvium - Clay, silt, sand and gravel. As well as a patch with superficial deposits of Leet Hill Sand and Gravel Member - Sand and gravel.

The land either side of A140 Norwich Road is found to largely have bedrock geology of Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations – Chalk with superficial deposits of Lowestoft Formation - Diamicton. The north of the land to the west of the road has bedrock geology of Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations – Chalk with superficial deposits of Lowestoft Formation - Sand and gravel. The north of the land to the east of the road has bedrock geology of Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations – Chalk with superficial deposits of Leet Hill Sand and Gravel Member - Sand and gravel.

Long Stratton Map C

The map shows the bedrock geology to be Crag Group - Sand and gravel with superficial deposits of Lowestoft Formation - Diamicton.

Long Stratton Map D

The map shows the bedrock geology to be Norwich Crag Formation – Sand with superficial deposits of Lowestoft Formation – diamicton.

Long Stratton Map E

The map shows the bedrock geology to be Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations – chalk with superficial deposits of Lowestoft Formation – diamicton.

Long Stratton Map F

The map shows the bedrock geology to be Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations – chalk with superficial deposits Lowestoft Formation – diamicton.

3.2 The soil Associations on the site are found to be:

Long Stratton Map A

Land with sample points 1-53:
The land is identified as 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils.

Land with sample points 54-102:
The land is identified as largely 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils. The northwest corner of the site and the centre of the site is identified as 572n BURLINGHAM 1 association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging.

Land with sample points 103-188:
The land is identified as largely 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils. The southern part of the site, south of Grove Farm is identified as 572n BURLINGHAM 1 association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging. The southeast corner of the site south of Fairstead Lane is identified as 861b Isleham 2 association, deep permeable sandy and peaty soils affected by groundwater.

Land with sample points 189-338:
The land is identified as 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils.

Land with sample points 339-410:
The land is identified as 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils.

Land with sample points 411-500:
The land is identified as largely 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils. The land in the northeast and northwest corners of the is identified as 572n BURLINGHAM 1 association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging.

Land with sample points 501-519:
The land is identified as largely 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils. The land in the north is identified as 572n BURLINGHAM 1 association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging.

Long Stratton Map B

The soils on the northern land are identified as being 711r BECCLES 1 Association, slowly permeable seasonally waterlogged fine loamy over clayey soils in the east. In the 572n BURLINGHAM 1 Association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging in the west of the site. The land in the south, west of Norwich Road, it is largely 572n BURLINGHAM 1 Association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging in the southwest corner of the site there is 711r BECCLES 1 Association, slowly permeable seasonally waterlogged fine loamy over clayey soils found. The land in the south, east of Norwich Road, it is largely 572n BURLINGHAM 1 Association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging. The southeast and southwest corner of the site is 711r BECCLES 1 Association, slowly permeable seasonally waterlogged fine loamy over clayey soils.

Long Stratton Map C

The soils on the site are identified as largely being 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils. Along the southern border of the site the soils are identified as being 572n BURLINGHAM 1 association, deep coarse and fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging.

Long Stratton Map D

The soils on the site are identified as being 711r BECCLES 1 Association, slowly permeable seasonally waterlogged fine loamy over clayey soils.

Long Stratton Map E

The soils on the site are identified as being 711r BECCLES 1 Association, slowly permeable seasonally waterlogged fine loamy over clayey soils.

Long Stratton Map F

The soils on the site are identified as being 711r BECCLES 1 association, slowly permeable seasonally waterlogged fine loamy over clayey soils.

3.3 The 1:250,000 series Agricultural Land Classification maps. These plans are of strictly limited value, using an out-of-date methodology at a very small scale (low detail) level of survey. Further information on the limits of their use can be found in TIN049.

Long Stratton Map A

The maps show the land to be Grade 3 apart from the land directly south of Fairstead Lane (sample points 178-188) which is Grade 4.

Long Stratton Map B

The map shows the land to be Grade 3 – good to moderate.

The MAGIC 1:250,000 series Post 1988 Agricultural Land Classification maps show that the land has not yet been surveyed, however, land south of the southern land, east of Norwich Road is shown to be Grade 3b, 3a and 2.

Long Stratton Map C

The maps show the land to be Grade largely grade 3 – good to moderate, apart from the northeast corner of the southern land which is grade 4 - poor.

Long Stratton Map D

The maps show the land to be Grade 3 – good to moderate in the west and Grade 4 – poor in the east of the site.

Long Stratton Map E

The maps show the land to be Grade 3 – good to moderate.

Long Stratton Map F

The maps show the land to be Grade 3 – good to moderate.

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***

Long Stratton Map A

Grid Reference	625506,295997
Altitude (ALT)	40
Average Annual Rainfall (AAR)	588
Accumulated Temperature - Jan to June (ATO)	1388
Duration of Field Capacity (FCD)	110
Moisture Deficit Wheat	118
Moisture Deficit Potatoes	113

Long Stratton Map B

Grid Reference	620718,294988
Altitude (ALT)	35
Average Annual Rainfall (AAR)	595
Accumulated Temperature - Jan to June (ATO)	1397
Duration of Field Capacity (FCD)	114
Moisture Deficit Wheat	118
Moisture Deficit Potatoes	113

Long Stratton Map C

Grid Reference	630553,295746
Altitude (ALT)	37
Average Annual Rainfall (AAR)	615
Accumulated Temperature - Jan to June (ATO)	1391
Duration of Field Capacity (FCD)	118
Moisture Deficit Wheat	118
Moisture Deficit Potatoes	113

Long Stratton Map D

Grid Reference	624690,291670
Altitude (ALT)	49
Average Annual Rainfall (AAR)	609
Accumulated Temperature - Jan to June (ATO)	1380
Duration of Field Capacity (FCD)	115
Moisture Deficit Wheat	116
Moisture Deficit Potatoes	111

Long Stratton Map E

Grid Reference	617068,289158
Altitude (ALT)	56
Average Annual Rainfall (AAR)	633
Accumulated Temperature - Jan to June (ATO)	1375
Duration of Field Capacity (FCD)	124
Moisture Deficit Wheat	114
Moisture Deficit Potatoes	108

Long Stratton Map F

Grid Reference	618520,288733
Altitude (ALT)	54
Average Annual Rainfall (AAR)	622
Accumulated Temperature - Jan to June (ATO)	1377
Duration of Field Capacity (FCD)	121
Moisture Deficit Wheat	115
Moisture Deficit Potatoes	109

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 Flood Zone:

Long Stratton Map A

The site is shown to be variously in flood zone 1 – areas with a less than 1 in 1000 annual chance of flooding, Flood Zone 2 – areas with between a 1 in 100 and 1 in 1000 annual chance of flooding or Flood Zone 3 – areas with greater than 1 in 100 annual chance of flooding. 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.

Long Stratton Map B

The site is shown to be in flood zone 1 – areas with a less than 1 in 1000 annual chance of flooding. 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.

Long Stratton Map C

The site is shown to be in flood zone 1 – areas with a less than 1 in 1000 annual chance of flooding. 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

Long Stratton Map D

The site is shown to be in flood zone 1 – areas with a less than 1 in 1000 annual chance of flooding. 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.

Long Stratton Map E

The site is shown to be in flood zone 1 – areas with a less than 1 in 1000 annual chance of flooding. 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.

Long Stratton Map F

The site is shown to be in flood zone 1 – areas with a less than 1 in 1000 annual chance of flooding. 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 Areas of the site range from stoneless to up to 15% stone in the topsoil. The stones found range from small to medium and are never of sufficient size and quantity to directly limit land grade but they do affect the droughtiness calculations. Despite areas of the site being recorded as having geology recorded as Lewes Nodular Chalk, Seaford Chalk, Newhaven Chalk, Culver Chalk and Portsdown Chalk Formations, all of the stones found at all horizons were recorded as small to medium angular and subangular hard stones – i.e. stones that could not be marked with a fingernail. A lot of the clay subsoils are very calcareous but the calcium carbonate in these is so small that it has not been recorded as stone on site.

6. GRADIENT AND MICRORELIEF

6.1 The site is largely flat 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 except that a lot of the clayey soils are lighter than might be expected and perhaps more than expected are calcareous. Full information on the sample points along with trial pit descriptions and photographs and lab test results can be found at ***appendix 4***.

Long Stratton Map A

The majority of map a is found to be clay or clay loam topsoil (often calcareous) with colours recorded as very dark greyish brown (2.5Y 3/2 and 10YR 3/2), dark greyish brown (2.5Y 4/2 and 10YR 4/2), brown (2.5Y 4/3 and 10YR 4/3) and occasionally dark yellowish brown (10YR 4/4). Subsoils are clay or clay loam and usually grey (10YR 5/1, 10YR 6/1, 2.5Y 5/1 or 2.5Y 6/1), greyish brown (2.5Y 5/2 or 10YR 5/2), light greyish brown (2.5Y 6/2 or 10YR 6/2), brown (10YR 5/3) or light olive brown (2.5Y 5/3). Subsoils are almost all poorly structured with massive, weak coarse subangular blocky, coarse angular blocky and coarse prismatic structures identified in trial pits. This combination results in the subsoils being recorded as gleyed and slowly permeable.

Some of the land west of Hempnall was found to have a loamy medium sand or medium sandy loam topsoil over moderately structured medium sandy loam or loamy medium sand subsoils with an area north and south of Fairstead lane recorded as shallow over stone.

Long Stratton Map B

The topsoil is found to be medium sandy loam or sandy clay loam (sometimes calcareous) with colours mainly recorded as brown (7.5YR 4/2, 10YR 4/3, 10YR 5/3) or dark greyish brown (10YR 4/2). Upper subsoils are also medium sandy loam or sandy clay loam and moderately structured with lower subsoils recorded as clay often with distinct pockets of sand. Lower subsoils are mostly gleyed and slowly permeable.

Long Stratton Map C, D and E

This area found to be clay or clay loam topsoil (often calcareous) with colours recorded as very dark greyish brown (10YR 3/2), dark greyish brown (0YR 4/2and occasionally dark grey (10YR 4/1). Subsoils are clay or clay loam and usually grey (10YR 5/1, 10GY 6/1, or 10Y 6/1). Subsoils are almost all poorly structured with coarse prismatic structures identified in trial pits. This combination results in the subsoils being recorded as gleyed and slowly permeable.

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 Where there is no slowly permeable layer of gleyed horizon the assessment gives wetness class I.

8.3 Where there is a gleyed horizon at between 40cm and 70cm and a slowly permeable layer starting deeper than 38cm; or a gleyed horizon at less than 40cm and either no slowly permeable layer in subsoils that are not coarse or a slowly permeable layer at deeper than 58cm the assessment gives wetness class II.

8.4 Where the gleyed horizon starts at less than 40cm and there is a slowly permeable layer at less than 58cm the assessment gives wetness class III.

8.5 Table 6, <126FCD, wetness class I, II and III and topsoil texture ranging from clay to medium sandy loam results in wetness limitations from grade 1 to grade 3b.

8.6 Where soils are calcareous they often increase by one grade or subgrade as set out in table 6.

9. DROUGHTINESS

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

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

and

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

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

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

Long Stratton Map A
MD (Wheat) = 118
MD (Potatoes) = 113

Long Stratton Map B
MD (Wheat) = 118
MD (Potatoes) = 113

Long Stratton Map C
MD (Wheat) = 118
MD (Potatoes) = 113

Long Stratton Map D
MD (Wheat) = 116
MD (Potatoes) = 111

Long Stratton Map E
MD (Wheat) = 114
MD (Potatoes) = 108

Long Stratton Map F
MD (Wheat) = 115
MD (Potatoes) = 109

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

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

9.5 Droughtiness is often a joint limiting factor limiting most areas of the site to grade 2 and where soils are shallow over stone, sandy and stony it is the most limiting factor limiting some areas to grade 4.

10. AGRICULTURAL LAND CLASSIFICATION

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

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

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

10.4 The breakdown of land by classification is:

	Map A	Map B	Map C	Map D	Map E	Map F	total
Grade 2	201.1	46.1	3.3	5.3	86.3	55.3	397.4
Grade 3a	168.7	36.8	140	43.4	3.3	39.5	431.7
Grade 3b	145.1	20.4	1.5	3.3			170.3
Grade 4	12.7	14.7	0.7				28.1
Non-Ag	4.6	1.3	2	1.6			9.5
Not surveyed					12.4	4	16.4
Total	532.2	119.3	147.5	53.6	102	98.8	1053.4

Grade 2: 397.4 Ha

Grade 3a: 431.7 Ha

Grade 3b: 170.3 Ha

Grade 4: 28.1 Ha

Non-Agricultural: 9.5 Ha

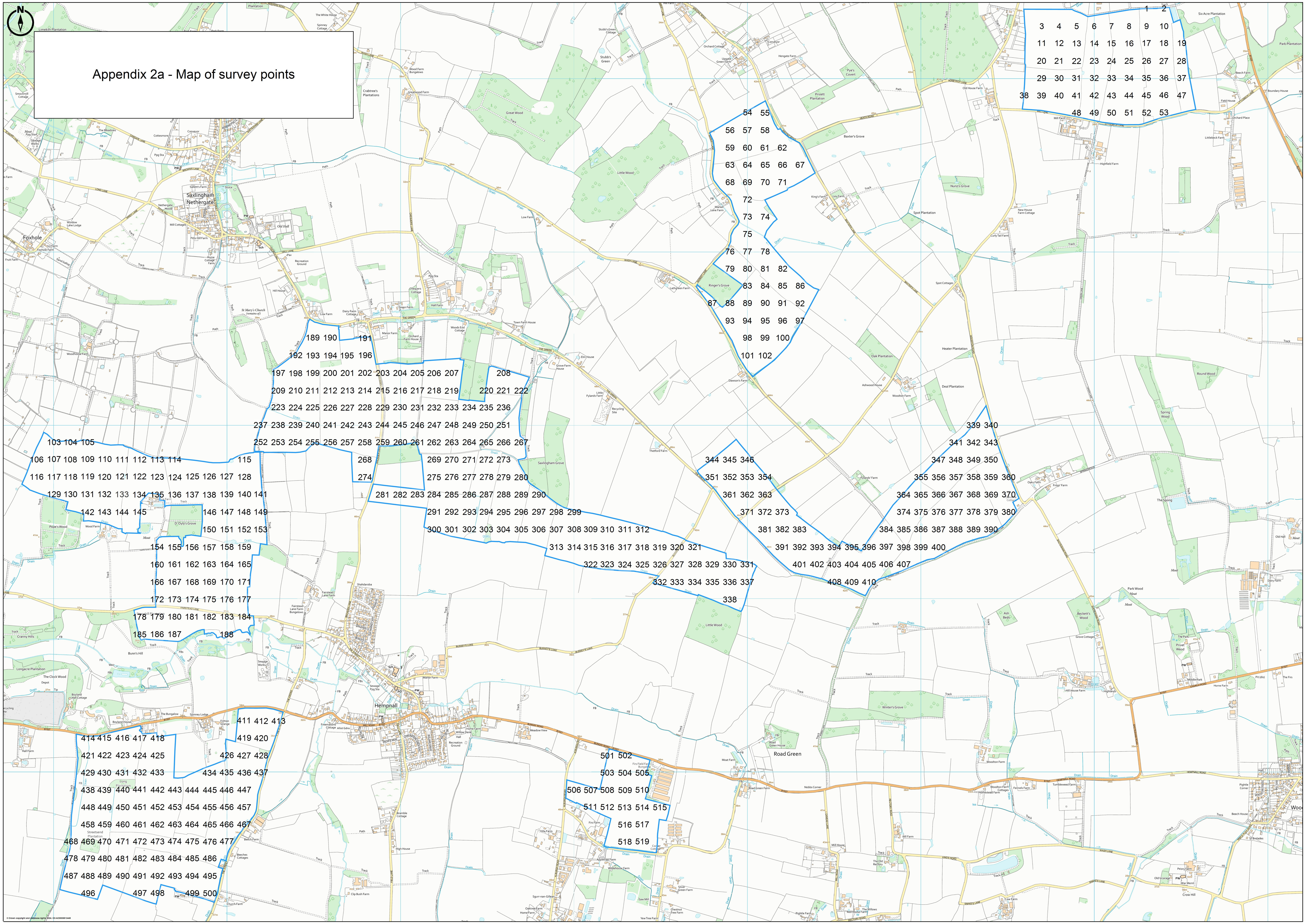
Not Surveyed: 16.4 Ha

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

Appendix 1 – Details of the Authors Experience

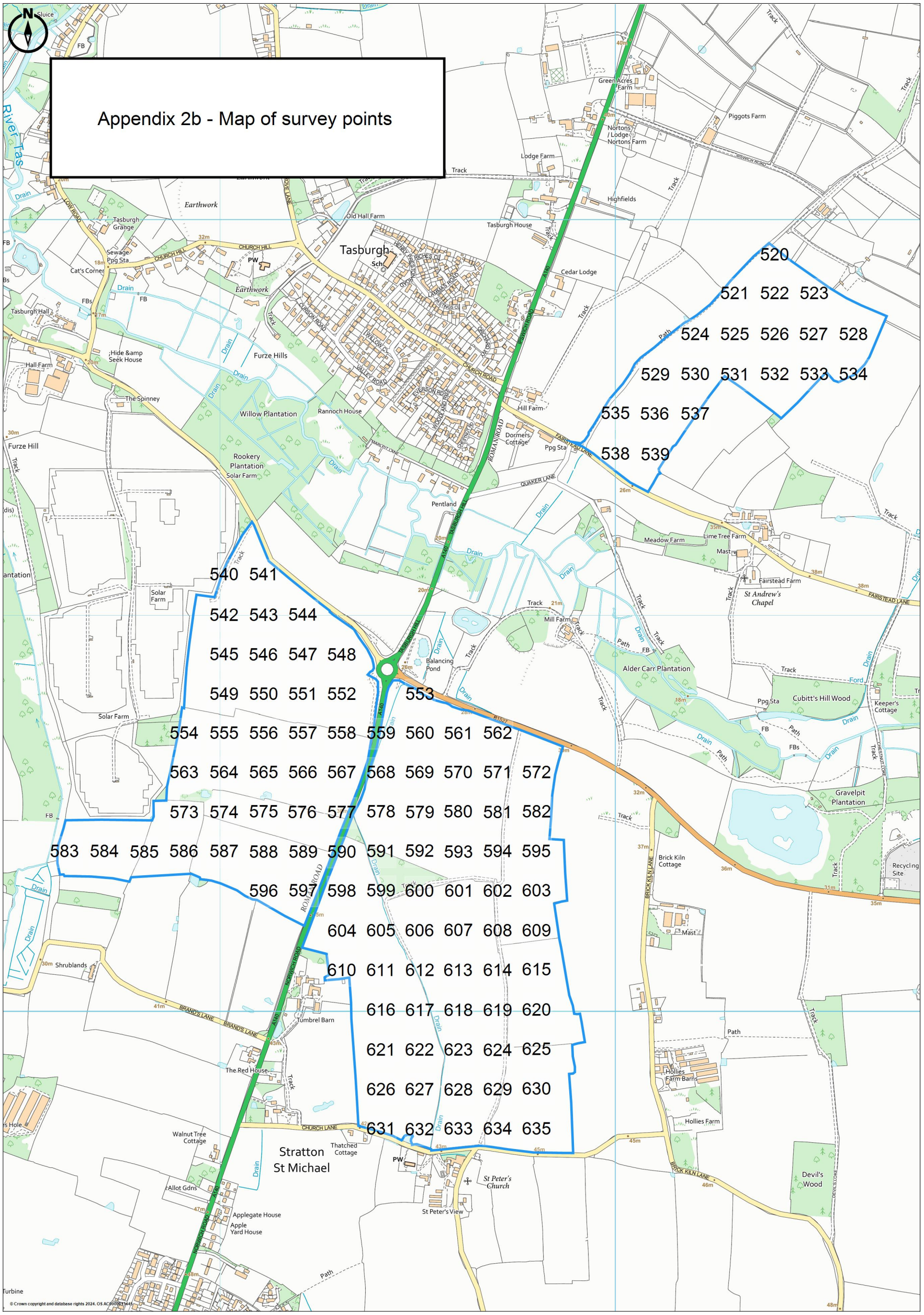
[redacted]

Appendix 2a - Map of survey points



© Crown Copyright and database rights 2024. OS AC0000813445
Plotted Scale - 1:10000. Paper Size - A1

Appendix 2b - Map of survey points



Promap
LANDMARK INFORMATION

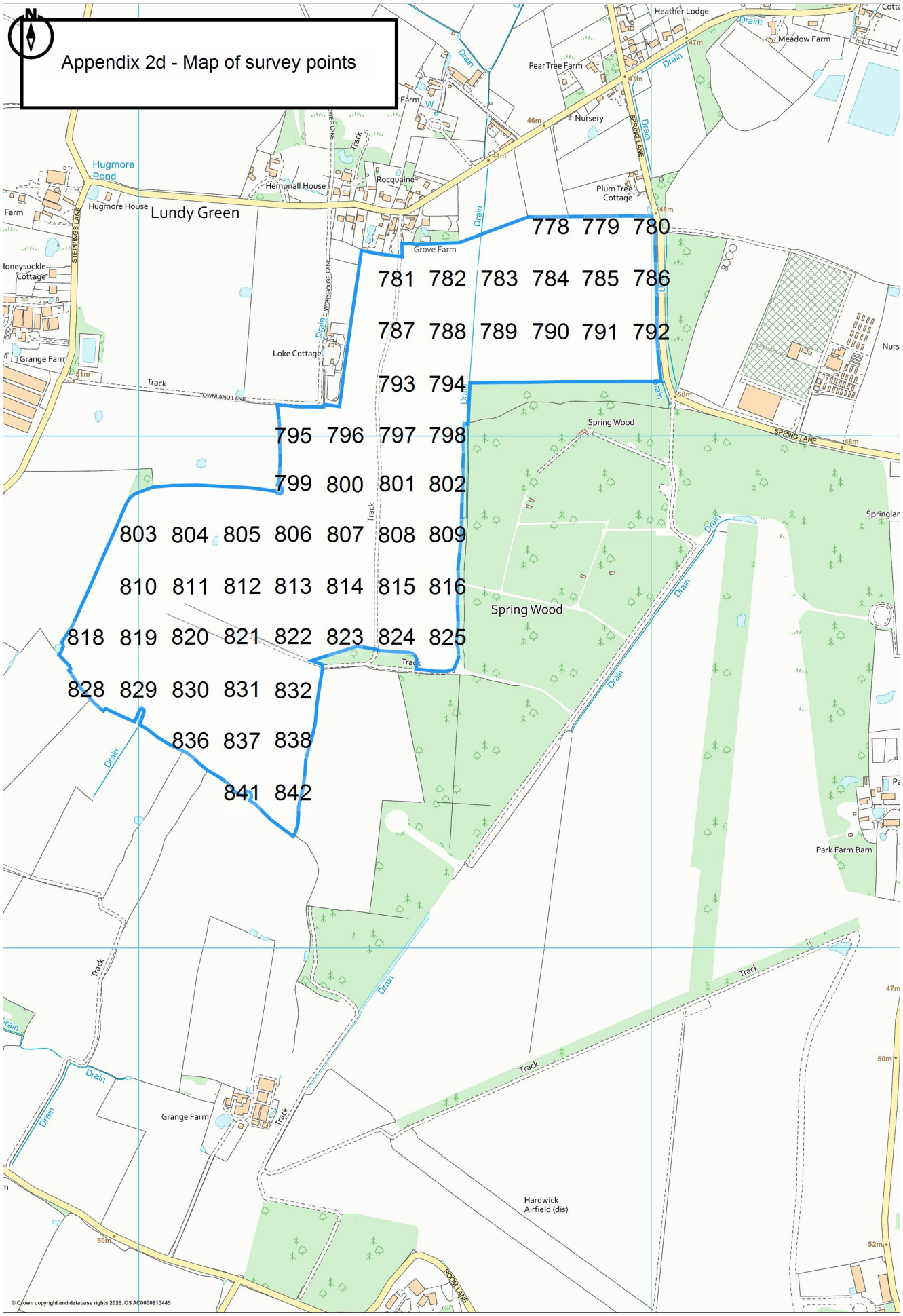
Plotted Scale - **1:10000**. Paper Size - **A3**

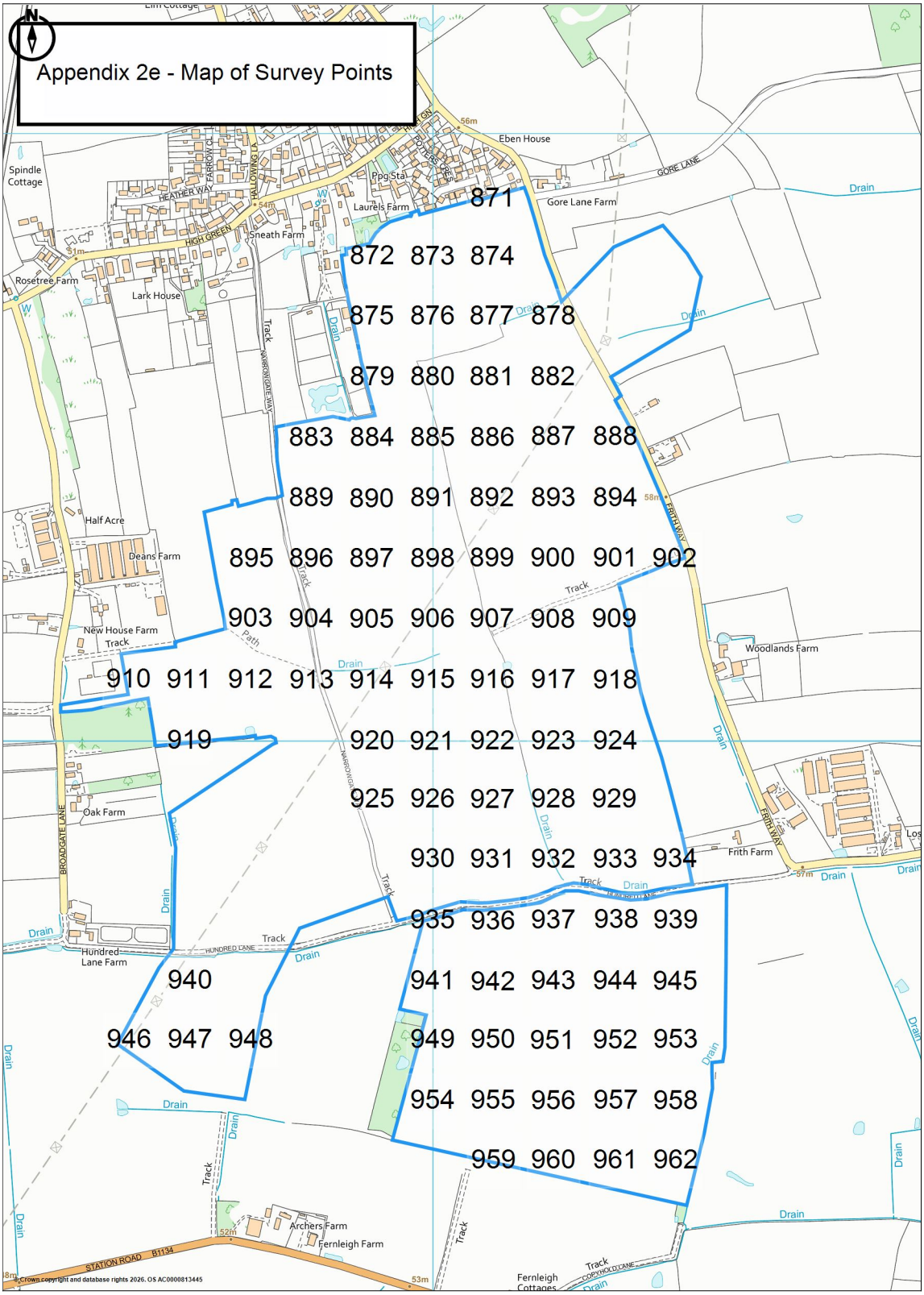
Appendix 2c - Map of survey points

636 637
638 639
640 641 642 643 644
645 646 647 648
649 650
651 652 653
654 655 656
657 658 659
660 661 662 663 664 665 666
667 668 669 670 671 672 673 674 675 676 677 678 679 680
681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698
699 700 701 702 703 704 705 706 707 708 709 710 711 712 713
714 715 716 717 718 719 720 721 722 723 724 725 726 727
728 729 730 731 732 733 734 735 736 737 738 739 740
741 742 743 744 745 746 747 748 749 750 751
752 753 754 755 756 757 758 759 760
761 762 763 764 765 766 767
768 769 770 771 772 773
774 775 776
777

Promap
LANDMARK INFORMATION

Plotted Scale - **1:10000**. Paper Size - **A3**

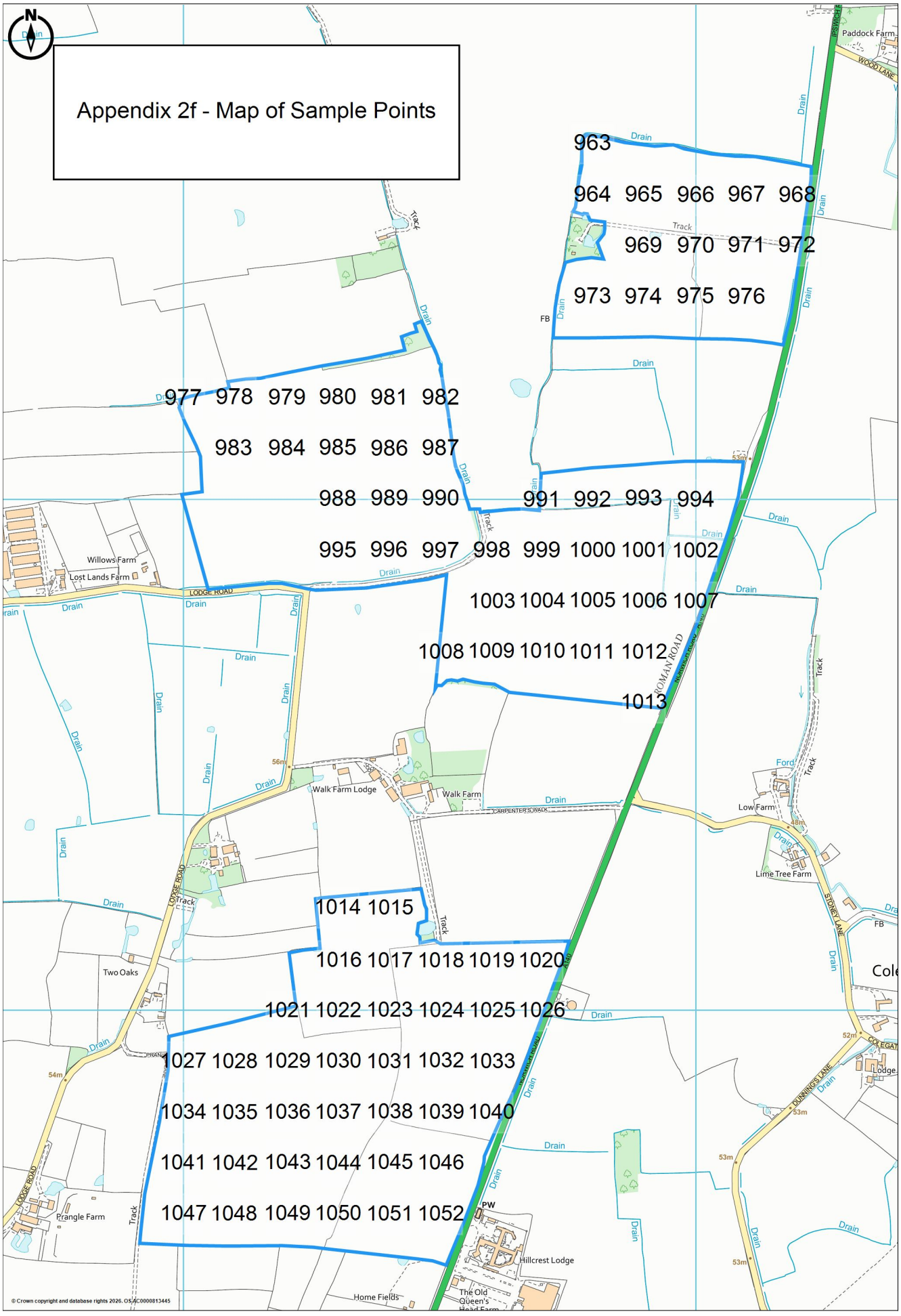




Promap
LANDMARK INFORMATION

Plotted Scale - **1:10000**. Paper Size - **A4**

Appendix 2f - Map of Sample Points



Promap
LANDMARK INFORMATION

Plotted Scale - **1:10000**. Paper Size - **A4**

Appendix 3 – Climatic Data

Site Details: Long Stratton Map a

Grid reference (centre of site): 625506,295997

Altitude: Mean 39.9 AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
62502950	42	587	0.2	295	1386	2412	118	113	110
62503000	32	579	0.2	290	1396	2423	120	116	110
63002950	34	617	0	300	1394	2423	118	113	118
63003000	25	580	0	295	1402	2432	120	115	112

Altitude Adjusted

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
62502950	586.58	1388.39	109.94	118.24	113.33	85.45%
62503000	580.58	1386.99	110.23	119.08	114.78	6.56%
63002950	617.00	1387.27	118.00	117.39	112.19	5.04%
63003000	580.00	1385.01	112.00	118.47	112.96	2.95%

Appendix 3 – Climatic Data

Site Details: Long Stratton Map b

Grid reference (centre of site): 620718,294988

Altitude: Mean 34.54 AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
62002900	53	610	1.3	300	1377	2400	116	110	119
62002950	27	589	1.5	300	1405	2431	118	114	115
62502900	53	615	0.3	300	1376	2401	116	110	115
62502950	42	587	0.2	295	1386	2412	118	113	110

Altitude Adjusted

GRID REFERENCE	AAR	ATO	FCD	MDW	MDP	PROXIMITY ADJUSTMENT
62002900	586.00	1398.04	115.53	119.57	114.69	24.91%
35504900	600.31	1396.40	116.64	116.43	111.95	24.47%
36004850	609.46	1397.04	114.20	118.28	113.02	25.54%
36004900	585.51	1394.50	109.78	118.87	114.15	25.08%

Appendix 3 – Climatic Data

Site Details: Long Stratton Map c

Grid reference (centre of site): 630553,295746

Altitude: Mean 36.82 AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
63002950	34	617	0	300	1394	2423	118	113	118
63003000	25	580	0	295	1402	2432	120	115	112
63502950	36	617	0.1	300	1391	2422	118	113	121
63503000	19	580	0.3	295	1408	2441	120	116	112

Altitude Adjusted

Grid Reference	AAR	ATO	FCD	MDW	MDP	Proximity Adjustment
63002950	617.00	1390.79	118.00	117.71	112.61	89.92%
63003000	580.00	1388.53	112.00	118.79	113.38	4.21%
63502950	617.08	1390.07	121.01	117.91	112.88	3.81%
63503000	585.35	1387.69	112.77	117.80	113.08	2.05%

Appendix 3 – Climatic Data

Site Details: Long Stratton Map d

Grid reference (centre of site): 624690,291670

Altitude: Mean 49.48 AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
62002900	53	610	1.3	300	1377	2400	116	110	119
62002950	27	589	1.5	300	1405	2431	118	114	115
62502900	53	615	0.3	300	1376	2401	116	110	115
62502950	42	587	0.2	295	1386	2412	118	113	110

Altitude Adjusted

GRID REFERENCE	AAR	ATO	FCD	MDW	MDP	PROXIMITY ADJUSTMENT
62002900	605.42	1381.01	118.34	116.68	110.89	7.96%
62002950	622.72	1379.37	119.88	113.33	107.89	5.97%
62502900	613.94	1380.01	114.85	116.44	110.58	68.42%
62502950	588.50	1377.47	110.22	117.13	111.84	17.65%

Appendix 3 – Climatic Data

Site Details: Long Stratton Map E

Grid reference (centre of site): 617068,289158

Altitude: Mean 56.12 AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
61502850	40	623	0.6	310	1395	2418	115	109	122
61502900	50	631	1.6	305	1382	2403	115	109	125
62002850	32	623	0.9	305	1403	2429	117	112	119
62002900	53	610	1.3	300	1377	2400	116	110	119

Altitude Adjusted

GRID REFERENCE	AAR	ATO	FCD	MDW	MDP	PROXIMITY ADJUSTMENT
61502850	632.67	1376.62	123.40	112.67	105.92	11.80%
61502900	640.79	1375.02	126.42	113.69	107.28	51.03%
62002850	644.71	1375.50	122.14	113.01	106.75	9.83%
62002900	614.06	1373.44	119.59	115.40	109.21	27.34%

Appendix 3 – Climatic Data

Site Details: Long Stratton Map f

Grid reference (centre of site): 618520,288733

Altitude: Mean 54.02 AOD

Climatic data from surrounding locations:

Grid Reference	ALT	AAR	LR_AAR	ASR	ATO	ATS	MDW	MDP	FCD
61502850	40	623	0.6	310	1395	2418	115	109	122
61502900	50	631	1.6	305	1382	2403	115	109	125
62002850	32	623	0.9	305	1403	2429	117	112	119
62002900	53	610	1.3	300	1377	2400	116	110	119

Altitude Adjusted

GRID REFERENCE	AAR	ATO	FCD	MDW	MDP	PROXIMITY ADJUSTMENT
61502850	631.41	1379.02	123.22	112.97	106.32	8.73%
61502900	637.43	1377.42	125.93	114.14	107.87	16.43%
62002850	642.82	1377.90	121.87	113.35	107.20	14.26%
62002900	611.33	1375.84	119.19	115.80	109.74	60.58%

Appendix 4a - Sample Point Assessment

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
1	33	0-30	Calc HCL	2.5Y 4/2		VFOB	30-45	Calc C	2.5Y 6/2		MOB	Poor	45-120	Calc C	10YR 7/1	2%	VMOB	Poor	30	30	III	3b				3b
2	32	0-25	Calc HCL	2.5Y 4/2		VFOB	25-45	Calc C	2.5Y 6/2		MOB	Poor	45-120	Calc C	10YR 7/1	2%	VMOB	Poor	25	25	III	3b				3b
3	38	0-25	Calc HCL	2.5Y 4/3		FOB	25-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	10YR 6/1	2%	VMOB	Poor	25	25	III	3b				3b
4	38	0-25	Calc HCL	2.5Y 4/3		FOB	25-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	10YR 6/1	2%	VMOB	Poor	25	25	III	3b				3b
5	38	0-30	Calc HCL	2.5Y 4/3		FOB	30-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
6	37	0-30	Calc HCL	2.5Y 4/2			30-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
7	37	0-30	Calc HCL	2.5Y 4/2			30-55	Calc C	2.5Y 6/2		MOB	Poor	55-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
8	35	0-30	Calc HCL	2.5Y 4/2			30-55	Calc C	2.5Y 6/2		MOB	Poor	55-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
9	34	0-30	Calc HCL	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/2		MOB	Poor	50-120	Calc C	10YR 7/1	2%	VMOB	Poor	30	30	III	3b				3b
10	33	0-30	Calc HCL	2.5Y 4/2		VFOB	30-45	Calc C	2.5Y 6/2		MOB	Poor	45-120	Calc C	10YR 7/1	2%	VMOB	Poor	30	30	III	3b				3b
11	38	0-30	Calc C	2.5Y 4/3		VFOB	30-50	Calc C	10YR 5/1	2%	MOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3a				3a
12	38	0-35	Calc C	2.5Y 4/3		VFOB	35-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1	2%	VMOB	Poor	35	35	III	3a				3a
13	38	0-25	Calc HCL	2.5Y 4/3		FOB	25-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	10YR 6/1	2%	VMOB	Poor	25	25	III	3b				3b
14	38	0-30	Calc HCL	2.5Y 4/2			30-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
15	37	0-30	Calc HCL	2.5Y 4/2			30-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
16	36	0-30	Calc HCL	2.5Y 4/2			30-55	Calc C	2.5Y 6/2		MOB	Poor	55-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
17	34	0-25	Calc HCL	2.5Y 4/2		VFOB	25-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10YR 7/1	2%	VMOB	Poor	25	25	III	3b				3b
18	34	0-30	Calc HCL	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10YR 7/1	2%	VMOB	Poor	30	30	III	3b				3b
19	34	0-30	Calc C	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10YR 6/1	2%	MOB	Poor	30	30	III	3a				3a
20	39	0-30	Calc C	2.5Y 4/3		VFOB	30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3a				3a
21	38	0-30	Calc C	2.5Y 4/3		VFOB	30-50	Calc C	10YR 5/1	2%	VMOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3a				3a
22	38	0-30	Calc C	2.5Y 4/3		VFOB	30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3a				3a
23	38	0-30	Calc HCL	2.5Y 4/2			30-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
24	38	0-30	Calc HCL	2.5Y 4/2			30-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
25	37	0-30	Calc HCL	2.5Y 4/2			30-55	Calc C	2.5Y 6/2		MOB	Poor	55-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3b				3b
26	36	0-30	Calc HCL	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10YR 7/1	2%	VMOB	Poor	30	30	III	3b				3b
27	36	0-30	Calc HCL	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10YR 7/1	2%	VMOB	Poor	30	30	III	3b				3b
28	36	0-30	Calc C	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10YR 6/1	2%	MOB	Poor	30	30	III	3a				3a
29	41	0-25	Calc C	2.5Y 4/3	2%	VFOB	25-50	Calc C	2.5Y 6/2		MOB	Poor	50-120	Calc C	10YR 6/1	5%	VMOB	Poor	25	25	III	3a				3a
30	40	0-30	Calc HCL	2.5Y 4/2			30-45	Calc C	2.5Y 6/3	2%	MOB	Poor	45-120	Calc C	10YR 6/1	5%	VMOB	Poor	30	30	III	3b				3b
31	39	0-30	Calc HCL	2.5Y 4/2			30-45	Calc C	2.5Y 6/3	2%	MOB	Poor	45-120	Calc C	10YR 6/1	5%	VMOB	Poor	30	30	III	3b				3b
32	39	0-30	Calc C	10YR 4/2		VFOB	30-40	Calc C	2.5Y 6/3		MOB	Poor	40-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
33	38	0-25	Calc C	10YR 4/2		VFOB	25-45	Calc C	2.5Y 6/2	2%	VMOB	Poor	45-120	Calc C	2.5Y 6/1	2%	MOB	Poor	25	25	III	3a				3a
34	38	0-25	Calc C	10YR 4/2		VFOB	25-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	2.5Y 6/1	2%	MOB	Poor	25	25	III	3a				3a
35	37	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 6/2	2%	MOB	Poor	90-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
36	37	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 6/2	2%	MOB	Poor	90-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
37	37	0-30	Calc C	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10YR 6/1	2%	MOB	Poor	30	30	III	3a				3a
38	41	0-25	Calc C	2.5Y 4/3	2%	VFOB	25-50	Calc C	2.5Y 6/2	2%	MOB	Poor	50-120	Calc C	10YR 6/1	5%	VMOB	Poor	25	25	III	3a				3a
39	41	0-25	Calc C	2.5Y 4/3	2%	VFOB	25-50	Calc C	2.5Y 6/2		MOB	Massive	50-120	Calc C	10YR 6/1		VMOB	MSAB	25	25	III	3a				3a
40	40	0-25	Calc C	2.5Y 4/3	2%	VFOB	25-50	Calc C	2.5Y 6/2	2%	MOB	Poor	50-120	Calc C	10YR 6/1	5%	VMOB	Poor	25	25	III	3a				3a
41	40	0-30	Calc HCL	2.5Y 4/2			30-45	Calc C	2.5Y 6/3	2%	MOB	Poor	45-120	Calc C	10YR 6/1	5%	VMOB	Poor	30	30	III	3b				3b
42	40	0-25	Calc C	10YR 4/2		VFOB	25-40	Calc C	2.5Y 6/3		MOB	Poor	40-120	Calc C	2.5Y 6/1	2%	MOB	Poor	25	25	III	3a				3a
43	38	0-30	Calc C	10YR 4/2		VFOB	30-40	Calc C	2.5Y 6/3		MOB	Poor	40-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
44	38	0-25	Calc C	10YR 4/2		VFOB	25-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	2.5Y 6/1	2%	MOB	Poor	25	25	III	3a				3a
45	37	0-25	Calc C	10YR 4/2		VFOB	25-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	2.5Y 6/1	2%	MOB	Poor	25	25	III	3a				3a
46	37	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 6/2	2%	MOB	Poor	90-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
47	38	0-30	Calc C	2.5Y 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10YR 6/1	2%	MOB	Poor	30	30	III	3a				3a
48	41	0-30	Calc C	2.5Y 4/3	2%	VFOB	30-50	Calc C	2.5Y 6/2	2%	MOB	Poor	50-120	Calc C	10YR 6/1	2%	VMOB	Poor	30	30	III	3a				3a
49	39	0-25	Calc C	10YR 4/2		VFOB	25-40	Calc C	2.5Y 6/3		MOB	Poor	40-120	Calc C	2.5Y 6/1	2%	MOB	Poor	25	25	III	3a				3a
50	38	0-30	Calc C	10YR 4/2		VFOB	30-40	Calc C	2.5Y 6/3		MOB	Poor	40-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
51	38	0-25	Calc C	10YR 4/2		VFOB	25-45	Calc C	2.5Y 6/2	2%	MOB	Poor	45-120	Calc C	2.5Y 6/1	2%	MOB	Poor	25	25	III	3a				3a
52	38	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 6/2	2%	MOB	Poor	90-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
53	37	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 6/2	2%	MOB	Poor	90-120	Calc C	2.5Y 6/1	2%	MOB	Poor	30	30	III	3a				3a
54	33	0-40	HCL	10YR 4/2	2%	VFOB	40-60	SC	10YR 5/3	2%	MOB	Moderate	60-120	Calc C	10YR 6/3		MOB	Poor	60	40	II	3a				3a
55	37	0-30	HCL	10YR 4/2			30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
56	29	0-40	HCL	10YR 4/2	2%	VFOB	40-60	SCL	10YR 5/3	2%	MOB	MSAB	60-120	Calc C	10YR 6/3		MOB	CAB	60	40	II	3a				3a
57	36	0-40	HCL	10YR 4/2	2%	VFOB	40-60	SCL	10YR 5/3	2%	MOB	Moderate	60-120	Calc C	10YR 6/3		MOB	Poor	60	40	II	3a				3a
58	40	0-30	HCL	10YR 4/2			30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
59	35	0-40	HCL	10YR 4/2	2%	VFOB	40-60	SC	10YR 5/3	2%	MOB	Moderate	60-120	Calc C	10YR 6/3		MOB	Poor	60	40	II	3a				3a
60	40	0-35	HCL	10YR 4/2	2%	VFOB	35-60	SC	10YR 5/3	2%	MOB	Moderate	60-120	Calc C	10YR 6/3		MOB	Poor	60	30	II	3a				3a
61	41	0-30	HCL	10YR 4/2			30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
62	40	0-25	SCL	10YR 4/4			25-50	SCL	10YR 5/3	5%	MOB	Poor	50-120	Calc C	2.5Y 7/4	5%	MOB	Moderate	25	25	III	3a				3a
63	33	0-45	HCL	10YR 4/2	2%	VFOB	45-60	Calc SCL	10YR 5/3	2%	COB	Moderate	60-120	Calc C	10YR 6/3		MOB	Poor	60	40	II	3a				3a
64	38	0-30	HCL	10YR 4/2			30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
65	38	0-30	HCL	10YR 4/2			30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
66	38	0-25	SCL	10YR 4/4			25-50	SCL	10YR 5/3	5%	MOB	Poor	50-120	Calc C	2.5Y 7/4	5%	MOB	Moderate	25	25	III	3a				3a
67	38	0-25	SCL	10YR 4/4			25-50	SCL	10YR 5/3	5%	MOB	Poor	50-120	Calc C	2.5Y 7/4	5%	MOB	Moderate	25	25	III	3a				3a
68	36	0-45	HCL	10YR 4/2	2%	VFOB	45-60	Calc SCL	10YR 5/3	2%	COB	WCSAB	60-120	Calc C	10YR 6/3		MOB	CAB	60	40	II	3a				3a
69	38	0-40	HCL	10YR 4/2	2%	VFOB	40-60	Calc SCL	10YR 5/3	2%	COB	Moderate	60-120	Calc C	10YR 6/3		MOB	Poor	60	40	II	3a				3a
70	39	0-30	HCL	10YR 4/2			30-45	Calc C	10YR 5/1	2%	MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
71	37	0-25	SCL	10YR 4/4			25-50	SCL	10YR 5/3	5%	MOB	Poor	50-120	Calc C	2.5Y 7/4	5%	MOB	Moderate	25	25	III	3a				3a

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
72	34	0-35	Calc HCL	10YR 4/2	5%		35-50	Calc C	10YR 5/3	10%	MOB	Poor	50	IMP - stone					35	35	III	3b				3b
73	29	0-35	Calc HCL	10YR 4/2	5%		35-45	Calc C	10YR 5/3	10%	MOB	Poor	45	IMP - stone					35	35	III	3b				3b
74	30	0-35	Calc HCL	10YR 4/2	5%		35-50	Calc C	10YR 5/3	10%	MOB	Poor	50	IMP - stone					35	35	III	3b				3b
75	29	0-35	C	10YR 3/3			35-45	C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	N 6/1		MOB	Poor	35	35	III	3b				3b
76	32	0-40	Calc C	10YR 3/3	2%		40-70	SC	2.5Y 5/2	5%	MOB	Poor	70-120	Calc C	N 6/		MOB	Poor	40	40	II	2				2
77	29	0-35	C	10YR 3/3			35-45	C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	N 6/1		MOB	Poor	35	35	III	3b				3b
78	29	0-35	C	10YR 3/3			35-45	C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	N 6/1		MOB	Poor	35	35	III	3b				3b
79	34	0-40	Calc C	10YR 3/3	2%		40-70	SC	2.5Y 5/2	5%	MOB	Poor	70-120	Calc C	N 6/		MOB	Poor	40	40	II	2				2
80	30	0-40	Calc C	10YR 3/3	2%		40-70	SC	2.5Y 5/2	5%	MOB	Poor	70-120	Calc C	N 6/		MOB	Poor	40	40	II	2				2
81	29	0-35	Calc C	10YR 3/3	2%		35-70	SC	2.5Y 5/2	5%	MOB	Poor	70-120	Calc C	N 6/		MOB	Poor	35	35	III	3a				3a
82	29	0-30	C	10YR 3/3			30-80	C	2.5Y 5/2	5%	MOB	Poor	80-120	Calc C	10YR 6/1		MOB	Poor	30	30	III	3b				3b
83	34	0-25	C	10YR 3/3	2%		25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
84	31	0-25	C	10YR 3/3	2%		25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
85	29	0-30	C	10YR 3/3			30-80	C	2.5Y 5/2	5%	MOB	Poor	80-120	Calc C	10YR 6/1		MOB	Poor	30	30	III	3b				3b
86	31	0-30	C	10YR 3/3			30-80	C	2.5Y 5/2	5%	MOB	Poor	80-120	Calc C	10YR 6/1		MOB	Poor	30	30	III	3b				3b
87	38	0-30	C	10YR 3/3	2%		30-120	Calc C	N 6/	2%	MOB	Poor							30	30	III	3b				3b
88	34	0-25	C	10YR 3/3	2%		25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
89	34	0-25	C	10YR 3/3	2%		25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
90	33	0-30	C	10YR 3/3			30-120	SC	2.5Y 5/2	5%	MOB	Poor							30	30	III	3b				3b
91	33	0-35	C	10YR 3/3			35-120	SC	2.5Y 5/2	10%	MOB	Poor							35	35	III	3b				3b
92	32	0-30	C	10YR 3/3			30-120	SC	2.5Y 5/2	10%	MOB	Poor							30	30	III	3b				3b
93	37	0-25	C	10YR 3/3			25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
94	37	0-25	C	10YR 3/3			25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
95	36	0-25	C	10YR 3/3			25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
96	37	0-30	C	10YR 3/3			30-120	SC	2.5Y 5/2	10%	MOB	Poor							30	30	III	3b				3b
97	34	0-30	C	10YR 3/3			30-120	SC	2.5Y 5/2	10%	MOB	Poor							30	30	III	3b				3b
98	38	0-25	C	10YR 3/3			25-120	Calc C	N 6/	2%	MOB	Poor							25	25	III	3b				3b
99	38	0-30	C	10YR 3/3			30-120	SC	2.5Y 5/3	15%	MOB	Poor							30	30	III	3b				3b
100	38	0-30	C	10YR 3/3			30-120	SC	2.5Y 5/3	10%	MOB	Poor							30	30	III	3b				3b
101	39	0-35	C	10YR 3/3			35-120	SC	2.5Y 5/3	10%	MOB	Poor							35	35	III	3b				3b
102	39	0-30	C	10YR 3/3			30-120	SC	2.5Y 5/3	10%	MOB	Poor							30	30	III	3b				3b
103	39	0-35	Calc SCL	10YR 4/2			35-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	35	35	III	2				2
104	41	0-35	Calc SCL	10YR 4/2			35-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 7/2		MOB	Poor	35	35	III	2				2
105	41	0-35	Calc SCL	10YR 4/2			35-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	35	35	III	2				2
106	38	0-35	Calc SCL	10YR 4/2		FOB	35-45	Calc C	10YR 5/1		VMOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	35	35	III	2				2
107	41	0-40	Calc SCL	10YR 4/2		VFOB	40-50	Calc C	10YR 5/1		VMOB	Poor	50-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
108	41	0-35	Calc SCL	10YR 4/2		FOB	35-45	Calc C	10YR 5/1		VMOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	35	35	III	2				2
109	42	0-30	Calc SCL	10YR 4/2		FOB	30-40	Calc C	10YR 5/1		VMOB	Poor	40-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
110	44	0-35	Calc SCL	10YR 4/2		FOB	35-45	Calc C	10YR 5/1		VMOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	35	35	III	2				2
111	41	0-30	Calc SCL	10YR 4/2		VFOB	30-40	Calc C	10YR 5/1		VMOB	Poor	40-120	Calc C	10YR 7/2		MOB	Poor	30	30	III	2				2
112	41	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	2				2
113	41	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	2				2
114	41	0-30	Calc mSL	10YR 4/2		VFOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 6/2		MOB	Poor	30	30	III	2				2
115	38	0-30	Calc SCL	10YR 4/2		VFOB	30-40	Calc C	10YR 5/2		MOB	Poor	40-120	Calc C+S	10YR 7/1		MOB	Poor	30	30	III	2				2
116	39	0-35	Calc SCL	10YR 4/2		FOB	35-45	Calc C	10YR 5/1		VMOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	35	35	III	2				2
117	41	0-40	Calc SCL	10YR 4/2		VFOB	40-50	Calc C	10YR 5/1		VMOB	Poor	50-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
118	43	0-40	Calc SCL	10YR 4/2		VFOB	40-50	Calc C	10YR 5/1		VMOB	Poor	50-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
119	43	0-30	Calc SCL	10YR 4/2		FOB	30-40	Calc C	10YR 5/1		VMOB	Poor	40-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
120	42	0-30	Calc SCL	10YR 4/2		FOB	30-40	Calc C	10YR 5/1		VMOB	Poor	40-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
121	42	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	2				2
122	43	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	10YR 6/2		VMOB	Poor	30	30	III	2				2
123	42	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	10YR 6/2		VMOB	Poor	30	30	III	2				2
124	42	0-30	Calc mSL	10YR 4/2		VFOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 6/1		MOB	Poor	30	30	III	2				2
125	43	0-30	Calc SCL	10YR 4/2		VFOB	30-40	Calc C	10YR 5/2		MOB	Poor	40-120	Calc C+S	10YR 7/1		VMOB	Poor	30	30	III	2				2
126	43	0-30	Calc mSL	10YR 4/2		VFOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 6/1		MOB	Poor	30	30	III	2				2
127	44	0-30	Calc SCL	10YR 4/2		VFOB	30-40	Calc C	10YR 5/2		MOB	Poor	40-120	Calc C+S	10YR 7/1		MOB	Poor	30	30	III	2				2
128	44	0-25	Calc SCL	10YR 4/2			25-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C+S	10YR 7/1		VMOB	Poor	25	25	III	2				2
129	40	0-30	Calc SCL	10YR 4/3		VFOB	30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
130	42	0-30	Calc SCL	10YR 4/3		VFOB	30-50	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
131	43	0-35	Calc SCL	10YR 4/3		VFOB	35-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	35	35	III	2				2
132	43	0-30	Calc SCL	10YR 4/3		VFOB	30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
133	42	0-35	Calc SCL	10YR 4/2		FOB	35-120	Calc SCL	10YR 5/3		MOB	Moderate								35	II	2				2
134	43	0-30	Calc SCL	10YR 4/2		VFOB	30-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
135	44	0-30	Calc SCL	10YR 4/2		VFOB	30-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
136	43	0-30	Calc SCL	10YR 4/2		VFOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
137	43	0-30	Calc SCL	10YR 4/2		VFOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
138	44	0-30	Calc mSL	10YR 4/2		VFOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 6/1		MOB	Poor	30	30	III	2				2
139	44	0-30	Calc mSL	10YR 4/2		VFOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10YR 6/1		MOB	Poor	30	30	III	2				2
140	44	0-35	Calc C	10YR 4/1		FOB	35-50	Calc HCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 7/1		MOB	Poor	35	35	III	3a				3a
141	44	0-25	Calc SCL	10YR 4/2			25-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C+S	10YR 7/1		VMOB	Poor	25	25	III	2				2
142	43	0-30	Calc SCL	10YR 4/3		VFOB	30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2
143	44	0-30	Calc SCL	10YR 4/3		VFOB	30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10YR 7/1		MOB	Poor	30	30	III	2				2

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
144	43	0-35	Calc SCL	10YR 4/2		FOB	35-120	Calc SCL	10YR 5/3		MOB	Moderate								35	II	2				2
145	44	0-35	Calc SCL	10YR 4/2		FOB	35-120	Calc SCL	10YR 5/3		MOB	CSAB								35	II	2				2
146	44	0-30	Calc SCL	10YR 4/1		FOB	30-50	Calc HCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 7/1		MOB	Poor	30	30	III	2				2
147	44	0-30	Calc SCL	10YR 4/1		FOB	30-50	Calc HCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 7/1		MOB	Poor	30	30	III	2				2
148	43	0-30	Calc C	10YR 4/1	2%	FOB	30-50	Calc HCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 7/1		MOB	Poor	30	30	III	3a				3a
149	43	0-35	Calc C	10YR 4/1		FOB	35-50	Calc HCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 7/1		MOB	Poor	35	35	III	3a				3a
150	42	0-30	Calc SCL	10YR 4/1		FOB	30-50	Calc SCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 6/1		MOB	Poor	30	30	III	2				2
151	42	0-30	Calc SCL	10YR 4/1		FOB	30-50	Calc SCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 6/1		MOB	Poor	30	30	III	2				2
152	41	0-30	Calc C	10YR 4/1	2%	FOB	30-50	Calc HCL	10YR 5/1		MOB	CAB	50-120	Calc HCL	10YR 7/1		MOB	C Prism	30	30	III	3a				3a
153	41	0-30	Calc SCL	10YR 4/1	2%	FOB	30-50	Calc HCL	10YR 5/1		MOB	Poor	50-120	Calc HCL	10YR 7/1		MOB	Poor	30	30	III	2				2
154	40	0-30	mSL	10YR 4/2		VFOB	30-60	mSL	10YR 5/3			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
155	40	0-30	mSL	10YR 4/2		VFOB	30-60	mSL	10YR 5/3			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
156	40	0-30	mSL	10YR 4/2			30-90	SCL	7.5YR 4/4			Moderate	90-120	Calc LmS	10YR 6/6			Moderate			I	1	12.74	-2.35	2	2
157	40	0-30	mSL	10YR 4/2			30-90	SCL	7.5YR 4/4			Moderate	90-120	Calc LmS	10YR 6/6			Moderate			I	1	12.74	-2.35	2	2
158	39	0-35	mSL	10YR 4/1			35-90	SCL	7.5YR 4/4			Moderate	90-120	Calc LmS	10YR 5/6			Moderate			I	1	12.74	-2.35	2	2
159	38	0-35	mSL	10YR 4/1			35-90	SCL	7.5YR 4/4			Moderate	90-120	Calc LmS	10YR 5/6			Moderate			I	1	12.74	-2.35	2	2
160	38	0-25	mSL	10YR 4/2		VFOB	25-65	mSL	10YR 5/3			Moderate	65-120	Calc LmS	10YR 5/6			Moderate			I	1	11.24	-6.35	2	2
161	38	0-25	mSL	10YR 4/2		VFOB	25-65	mSL	10YR 5/3			Moderate	65-120	Calc LmS	10YR 5/6			Moderate			I	1	11.24	-6.35	2	2
162	38	0-25	mSL	10YR 4/2			25-90	mSL	7.5YR 4/3			Moderate	90-120	Calc LmS	10YR 5/6			Moderate			I	1	23.74	-3.35	2	2
163	38	0-25	mSL	10YR 4/2			25-90	mSL	7.5YR 4/3			Moderate	90-120	Calc LmS	10YR 5/6			Moderate			I	1	23.74	-3.35	2	2
164	38	0-30	mSL	10YR 4/2			30-85	mSL	7.5YR 4/3			Moderate	85-120	Calc LmS	10YR 5/6			Moderate			I	1	22.24	-2.35	2	2
165	38	0-30	mSL	10YR 4/2			30-85	mSL	7.5YR 4/3			Moderate	85-120	Calc LmS	10YR 5/6			Moderate			I	1	22.24	-2.35	2	2
166	37	0-30	mSL	10YR 4/2		VFOB	30-60	mSL	10YR 5/3			Moderate	65-120	Calc LmS	10YR 6/6			Moderate			I	1	9.74	-8.35	2	2
167	36	0-30	mSL	10YR 4/2		VFOB	30-60	mSL	10YR 5/3			Moderate	65-120	Calc LmS	10YR 6/6			Moderate			I	1	9.74	-8.35	2	2
168	37	0-30	mSL	10YR 4/2			30-60	mSL	7.5YR 4/3			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
169	38	0-30	mSL	10YR 4/2			30-60	mSL	7.5YR 4/3			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
170	38	0-35	mSL	10YR 4/2	2%		35-40	mSL	7.5YR 4/3			Moderate	40	IMP - stone							I	1	-46.76	-43.35	4	4
171	36	0-35	mSL	10YR 4/2			35-75	mSL	7.5YR 4/3			Moderate	75-120	Calc LmS	10YR 5/6			Moderate			I	1	18.24	-1.35	2	2
172	36	0-30	mSL	10YR 4/2		VFOB	30-60	mSL	10YR 5/4			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
173	35	0-30	mSL	10YR 4/2		VFOB	30-60	mSL	10YR 5/4			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
174	35	0-30	mSL	10YR 4/2			30-60	mSL	7.5YR 4/3			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
175	35	0-30	mSL	10YR 4/2			30-60	mSL	7.5YR 4/3			Moderate	60-120	Calc LmS	10YR 5/6			Moderate			I	1	9.74	-8.35	2	2
176	35	0-35	mSL	10YR 4/2	2%		35-45	mSL	7.5YR 4/3			Moderate	45	IMP - stone							I	1	-39.76	-36.35	4	4
177	33	0-35	mSL	10YR 4/2	2%		35-45	mSL	7.5YR 4/3			Moderate	45	IMP - stone							I	1	-39.76	-36.35	4	4
178	35	0-40	LmS	10YR 4/2	5%		40-50	LmS	10YR 3/4			Single Grain	50	IMP - stone							I	1	-54.01	-50.6	4	4
179	34	0-35	LmS	10YR 4/2	5%		35-50	LmS	10YR 3/4			Moderate	50	IMP - stone							I	1	-56.14	-52.73	4	4
180	32	0-35	LmS	10YR 4/3	2%		35-45	LmS	10YR 3/4			Moderate	45	IMP - stone							I	1	-60.01	-56.6	4	4
181	32	0-35	LmS	10YR 4/3	2%		35-45	LmS	10YR 3/4			Moderate	45	IMP - stone							I	1	-60.01	-56.6	4	4
182	32	0-25	LmS	10YR 4/3	2%		25-35	mS	10YR 4/4			Moderate	35	IMP - stone							I	1	-72.01	-68.6	4	4
183	32	0-25	LmS	10YR 4/3	2%		25-35	mS	10YR 4/4			Moderate	35	IMP - stone							I	1	-72.01	-68.6	4	4
184	30	0-30	LmS	10YR 4/2			30-40	LmS	10YR 4/6			Moderate	40	IMP - stone							I	1	-66.01	-62.6	4	4
185	34	0-40	LmS	10YR 4/3	2%		40-55	LmS	10YR 3/4			Moderate	55	IMP - stone							I	1	-51.26	-46.73	4	4
186	30	0-40	LmS	10YR 4/3	2%		40-50	LmS	10YR 3/4			Moderate	50	IMP - stone							I	1	-54.01	-50.6	4	4
187	29	0-35	LmS	10YR 4/3	2%		35-55	LmS	10YR 3/4			Moderate	55	IMP - stone							I	1	-53.39	-48.85	4	4
188	24	0-30	LmS	10YR 4/2			30-35	LmS	10YR 4/6			Moderate	35	IMP - stone							I	1	-72.01	-68.6	4	4
189	41	0-30	Calc SCL	10YR 3/2	2%		30-65	Calc SC	10YR 5/1	5%	MOB	Poor	65-120	Calc SC	10YR 7/1	5%	VMOB	Poor	30	30	III	2				2
190	41	0-30	Calc SCL	10YR 3/2	2%		30-65	Calc SC	10YR 5/1	5%	MOB	WCSAB	65-120	Calc SC	10YR 7/1	5%	VMOB	C Prism	30	30	III	2				2
191	41	0-35	C	10YR 3/2			35-50	C	2.5Y 6/2		MOB	Poor	50-120	Calc C	N 6/1		VMOB	Poor	35	35	III	3b				3b
192	41	0-30	Calc SCL	10YR 3/2	2%		30-70	Calc SC	10YR 5/1	5%	MOB	Poor	65-120	Calc SC	10YR 7/1	5%	VMOB	Poor	30	30	III	2				2
193	41	0-30	Calc SCL	10YR 3/2	2%		30-70	Calc SC	10YR 5/1	5%	MOB	Poor	65-120	Calc SC	10YR 7/1	5%	VMOB	Poor	30	30	III	2				2
194	41	0-30	Calc SCL	10YR 3/2	2%		30-70	Calc SC	10YR 5/1	5%	MOB	Poor	65-120	Calc SC	10YR 7/1	5%	VMOB	Poor	30	30	III	2				2
195	42	0-35	C	10YR 4/1			35-65	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	35	35	III	3b				3b
196	42	0-30	C	10YR 3/2			30-50	C	2.5Y 6/2		MOB	Poor	50-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
197	41	0-30	C	10YR 4/2			30-50	C	10YR 5/1		MOB	Poor	50-120	Calc C	2.5Y 6/1		VMOB	Poor	30	30	III	3b				3b
198	41	0-30	C	10YR 4/2			30-50	C	10YR 5/1		MOB	Poor	50-120	Calc C	2.5Y 6/1		VMOB	Poor	30	30	III	3b				3b
199	43	0-30	C	10YR 4/2			30-50	C	10YR 5/1		MOB	Poor	50-120	Calc C	2.5Y 6/1		VMOB	Poor	30	30	III	3b				3b
200	42	0-35	C	10YR 4/1			35-60	C	10YR 5/1		MOB	Poor	60-120	Calc C	N 6/1		VMOB	Poor	35	35	III	3b				3b
201	41	0-35	C	10YR 4/1			35-65	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	35	35	III	3b				3b
202	40	0-35	C	10YR 4/1			35-60	C	10YR 5/1		MOB	Poor	60-120	Calc C	N 6/1		VMOB	Poor	35	35	III	3b				3b
203	42	0-30	Calc C	10YR 4/2	2%	VFOB	30-60	Calc SCL	10YR 5/1		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
204	41	0-30	Calc C	10YR 4/2	2%	VFOB	30-60	Calc SCL	10YR 5/1		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
205	41	0-30	Calc C	10YR 4/2	2%	VFOB	30-60	Calc SCL	10YR 5/1		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
206	41	0-30	Calc C	10YR 4/2	2%	VFOB	30-60	Calc SCL	10YR 5/1		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
207	41	0-35	Calc C	10YR 4/2	2%	FOB	35-55	Calc SCL	10YR 5/1		MOB	Poor	55-120	Calc C	10Y 6/1		VMOB	Poor	35	35	III	3a				3a
208	42	0-30	SCL	10YR 4/2	2%	FOB	30-55	SC	10YR 5/1	5%	MOB	WCSAB	55-120	Calc C+S	10Y 6/1		VMOB	C Prism	30	30	III	3a				3a
209	41	0-30	C	10YR 4/2		FOB	30-45	C	10YR 5/1		MOB	Poor	45-120	Calc C	2.5Y 6/1		VMOB	Poor	30	30	III	3b				3b
210	41	0-30	C	10YR 4/2		FOB	30-45	C	10YR 5/1		MOB	Poor	45-120	Calc C	2.5Y 6/1		VMOB	Poor	30	30	III	3b				3b
211	43	0-30	C	10YR 4/2		FOB	30-45	C	10YR 5/1		MOB	Poor	45-120	Calc C	2.5Y 6/1		VMOB	Poor	30	30	III	3b				3b
212	42	0-30	C	10YR 4/2			30-65	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
213	41	0-30	C	10YR 4/2			30-65	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
214	40	0-35	C	10YR 4/1			35-60	C	10YR 5/1		MOB	Poor	60-120	Calc C	N 6/1		VMOB	Poor	35	35	III	3b				3b
215	42	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
216	41	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
217	42	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
218	42	0-30	Calc C	10YR 4/2	2%	VFOB	30-60	Calc SCL	10YR 5/1		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
219	42	0-30	Calc C	10YR 4/2	2%	VFOB	30-60	Calc SCL	10YR 5/1		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
220	43	0-30	SCL	10YR 4/2	2%	VFOB	30-50	SC	10YR 5/1	5%	MOB	Poor	50-120	Calc C+S	10Y 6/1		VMOB	Moderate	30	30	III	3a				3a
221	40	0-30	SCL	10YR 4/2	2%	VFOB	30-50	SC	10YR 5/1	5%	MOB	Poor	50-120	Calc C+S	10Y 6/1		VMOB	Moderate	30	30	III	3a				3a
222	38	0-30	SCL	10YR 4/2	2%	VFOB	30-50	SC	10YR 5/1	5%	MOB	Poor	50-120	Calc C+S	10Y 6/1		VMOB	Moderate	30	30	III	3a				3a
223	40	0-35	C	10YR 4/3		FOB	35-50	C	10YR 5/1		MOB	Poor	50-120	Calc C	2.5Y 6/1		VMOB	Poor	35	35	III	3b				3b
224	41	0-35	C	10YR 4/3		FOB	35-50	C	10YR 5/1		MOB	Poor	50-120	Calc C	2.5Y 6/1		VMOB	Poor	35	35	III	3b				3b
225	41	0-35	C	10YR 4/3		FOB	35-50	C	10YR 5/1		MOB	Poor	50-120	Calc C	2.5Y 6/1		VMOB	Poor	35	35	III	3b				3b
226	41	0-30	C	10YR 4/2			30-65	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
227	42	0-30	C	10YR 4/2			30-65	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
228	43	0-30	C	10YR 4/2			30-65	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
229	44	non agricultural																								
230	44	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
231	44	0-30	mSL	10YR 5/3	2%	FOB	30-90	Calc SC	2.5Y 6/2		VMOB	Moderate	90-120	Calc C	10Y 6/1		MOB	Poor	90	30	II	1	23.74	-2.35	2	2
232	42	0-30	mSL	10YR 5/3	2%	FOB	30-90	Calc SC	2.5Y 6/2		VMOB	Moderate	90-120	Calc C	10Y 6/1		MOB	Poor	90	30	II	1	23.74	-2.35	2	2
233	42	0-35	Calc C	10YR 4/2	2%	FOB	35-55	Calc SCL	10YR 5/1		MOB	Poor	55-120	Calc C	10Y 6/1		VMOB	Poor	35	35	III	3a				3a
234	42	0-30	SCL	10YR 4/3	2%	VFOB	30-80	SC	2.5Y 6/2	5%	MOB	Moderate	80-90	LmS	10YR 6/6		VMOB	Moderate		30	II	2	-1.26	-2.35	2	2
235	41	0-30	SCL	10YR 4/3	2%	VFOB	30-80	SC	2.5Y 6/2	5%	MOB	Moderate	80-90	LmS	10YR 6/6		VMOB	Moderate		30	II	2	-1.26	-2.35	2	2
236	41	0-30	SCL	10YR 4/3	2%	VFOB	30-80	SC	2.5Y 6/2	5%	MOB	Moderate	80-90	LmS	10YR 6/6		VMOB	Moderate		30	II	2				2
237	40	0-25	C	10YR 4/2		FOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
238	39	0-25	C	10YR 4/2		FOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
239	42	0-25	C	10YR 4/2		VFOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
240	41	0-25	C	10YR 4/2		FOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
241	42	0-30	C	10YR 4/2		FOB	30-60	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
242	42	0-30	C	10YR 4/2		FOB	30-60	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
243	44	0-30	C	10YR 4/2		FOB	30-60	C	10YR 5/1		MOB	Poor	65-120	Calc C	N 6/1		VMOB	Poor	30	30	III	3b				3b
244	44	non agricultural																								
245	44	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
246	42	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
247	41	0-35	Calc C	10YR 4/2	2%	FOB	35-55	Calc SCL	10YR 5/1		MOB	Poor	55-120	Calc C	10Y 6/1		VMOB	Poor	35	35	III	3a				3a
248	42	0-35	Calc C	10YR 4/2	2%	FOB	35-55	Calc SCL	10YR 5/1		MOB	Poor	55-120	Calc C	10Y 6/1		VMOB	Poor	35	35	III	3a				3a
249	42	0-30	SCL	10YR 4/3	2%	VFOB	30-80	SC	2.5Y 6/2	5%	MOB	Moderate	80-120	Calc C	N 6/1		VMOB	Poor		30	II	2				2
250	41	0-30	SCL	10YR 4/3	2%	VFOB	30-80	SC	2.5Y 6/2	5%	MOB	Moderate	80-120	Calc C	N 6/1		VMOB	Poor		30	II	2				2
251	41	0-30	Calc SCL	10YR 4/2		FOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
252	41	0-25	C	10YR 4/2		FOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
253	41	0-25	C	10YR 4/2		FOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
254	43	0-25	C	10YR 4/2		FOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
255	42	0-25	C	10YR 4/2		FOB	25-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	5GY 6/1		VMOB	Poor	25	25	III	3b				3b
256	41	0-30	C	10YR 4/2			30-60	C	10YR 6/2		MOB	Poor	60-120	SC	10YR 6/3		MOB	Poor	30	30	III	3b				3b
257	42	0-30	C	10YR 4/2			30-60	C	10YR 6/2		MOB	Poor	60-120	SC	10YR 6/3		MOB	Poor	30	30	III	3b				3b
258	44	0-30	C	10YR 4/2			30-60	C	10YR 6/2		MOB	Poor	60-120	SC	10YR 6/3		MOB	Poor	30	30	III	3b				3b
259	44	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
260	44	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
261	41	0-25	Calc C	10YR 4/3		FOB	25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
262	42	0-30	mSL	10YR 5/3	2%	FOB	30-90	Calc SC	2.5Y 6/2		VMOB	Moderate	90-120	Calc C	10Y 6/1		MOB	Poor		30	II	1	17.74	1.65	2	2
263	41	0-30	mSL	10YR 5/3	2%	FOB	30-90	Calc SC	2.5Y 6/2		VMOB	Moderate	90-120	Calc C	10Y 6/1		MOB	Poor		30	II	1	17.74	1.65	2	2
264	41	0-30	Calc SCL	10YR 4/2		FOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
265	41	0-30	Calc SCL	10YR 4/2		FOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
266	41	0-30	Calc SCL	10YR 4/2		FOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
267	41	0-30	Calc SCL	10YR 4/2		FOB	30-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
268	44	0-30	C	10YR 4/2			30-60	C	10YR 6/2		MOB	Poor	60-120	SC	10YR 6/3		MOB	Poor	30	30	III	3b				3b
269	41	0-30	SCL	10YR 4/2	2%		30-50	Calc C	10YR 5/1	5%	MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3a				3a
270	41	0-30	SCL	10YR 4/2	2%		30-50	Calc C	10YR 5/1	5%	MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3a				3a
271	41	0-30	SCL	10YR 4/2	2%		30-50	Calc C	10YR 5/1	5%	MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3a				3a
272	41	0-30	Calc SCL	10YR 3/2		FOB	30-50	Calc C	10YR 5/3		MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
273	41	0-30	Calc SCL	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	2				2
274	44	0-30	C	10YR 4/2			30-60	C	10YR 6/2		MOB	Poor	60-120	SC	10YR 6/3		MOB	Poor	30	30	III	3b				3b
275	42	0-30	SCL	10YR 4/2	2%		30-50	Calc C	10YR 5/1	5%	MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3a				3a
276	41	0-30	SCL	10YR 4/2	2%		30-50	Calc C	10YR 5/1	5%	MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3a				3a
277	41	0-30	SCL	10YR 4/2	2%		30-50	Calc C	10YR 5/1	5%	MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3a				3a
278	41	0-30	Calc SCL	10YR 3/2		FOB	30-50	Calc C	10YR 5/3		MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
279	41	0-30	Calc SCL	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	2				2
280	42	0-30	Calc SCL	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	2				2
281	45	0-30	HCL	10YR 3/2			30-75	Calc SC	10YR 5/1		MOB	Poor	75-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3b				3b
282	44	0-30	HCL	10YR 3/2			30-75	Calc SC	10YR 5/1		MOB	Poor	75-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3b				3b
283	44	0-30	HCL	10YR 3/2			30-75	Calc SC	10YR 5/1		MOB	Poor	75-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	3b				3b
284	43	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
285	41	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
286	41	0-30	Calc SCL	10YR 3/2		FOB	30-50	Calc C	10YR 5/3		MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2
287	41	0-30	Calc SCL	10YR 3/2		FOB	30-50	Calc C	10YR 5/3		MOB	Poor	50-120	Calc C	10Y 7/1		VMOB	Poor	30	30	III	2				2

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
288	43	0-30	Calc SCL	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	2				2
289	44	0-30	Calc SCL	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	2				2
290	48	0-30	Calc C	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	3a				3a
291	43	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
292	43	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
293	42	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
294	42	0-35	Calc SCL	10YR 3/2			35-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	35	35	III	2				2
295	42	0-35	Calc SCL	10YR 3/2			35-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	35	35	III	2				2
296	43	0-35	Calc SCL	10YR 3/2			35-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	35	35	III	2				2
297	45	0-30	Calc C	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	3a				3a
298	45	0-30	Calc C	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	3a				3a
299	44	0-30	Calc C	10YR 4/2			30-50	Calc C	2.5Y 6/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	3a				3a
300	44	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
301	44	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
302	43	0-30	mSL	10YR 4/3	2%		30-90	LmS	2.5Y 6/2		MOB	Moderate	90-120	C	10GY 7/1		VMOB	Poor	90	30	II	1	-4.26	-26.35	3a	3a
303	43	0-35	Calc SCL	10YR 3/2			35-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	35	35	III	2				2
304	43	0-30	Calc SCL	10YR 3/2			30-60	Calc HCL	10YR 5/3		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	2				2
305	44	0-25	Calc SCL	10YR 3/2			25-60	Calc HCL	10YR 5/3		MOB	Poor	60-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	2				2
306	45	0-35	Calc SCL	10YR 4/2			35-65	Calc C	2.5Y 6/1		MOB	Poor	65-120	Calc C	10GY 7/1		VMOB	Poor	35	35	III	2				2
307	46	0-25	Calc C	10YR 3/2			25-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
308	46	0-25	Calc C	10YR 3/2			25-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
309	44	0-25	Calc C	10YR 3/2			25-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
310	44	0-25	Calc C	10YR 3/2			25-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
311	45	0-25	Calc C	10YR 3/2			25-65	Calc C	2.5Y 6/1		VMOB	Poor	65-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
312	44	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 5/3		MOB	Poor	90-120	Calc C	10GY 6/1		MOB	Poor	30	30	III	3a				3a
313	45	0-25	Calc C	10YR 3/2			25-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
314	44	0-25	Calc C	10YR 3/2			25-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
315	44	0-25	Calc C	10YR 3/2			25-65	Calc C	2.5Y 6/1		VMOB	Poor	65-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
316	44	0-25	Calc C	10YR 3/2			25-65	Calc C	2.5Y 6/1		VMOB	Poor	65-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
317	44	0-30	Calc C	10YR 3/2			30-70	Calc C	2.5Y 5/3		MOB	Poor	70-120	Calc C	10GY 6/1		MOB	Poor	30	30	III	3a				3a
318	43	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 5/3		MOB	Poor	90-120	Calc C	10GY 6/1		MOB	Poor	30	30	III	3a				3a
319	41	0-30	Calc C	10YR 3/2			30-90	Calc C	2.5Y 5/3		MOB	Poor	90-120	Calc C	10GY 6/1		MOB	Poor	30	30	III	3a				3a
320	41	non agricultural																								
321	41	0-25	Calc C	10YR 3/2			25-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
322	45	0-20	Calc C	10YR 3/2			20-65	Calc C	2.5Y 6/1		MOB	Poor	65-120	Calc C	10Y 6/1		VMOB	Poor	20	20	III	3a				3a
323	43	0-20	Calc C	10YR 3/2			20-65	Calc C	2.5Y 6/1		MOB	Poor	65-120	Calc C	10Y 6/1		VMOB	Poor	20	20	III	3a				3a
324	42	0-20	Calc C	10YR 3/2			20-65	Calc C	2.5Y 6/1		MOB	Poor	65-120	Calc C	10Y 6/1		VMOB	Poor	20	20	III	3a				3a
325	41	0-25	Calc C	10YR 3/2			25-90	Calc C	2.5Y 6/2		MOB	Poor	90-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
326	41	0-25	Calc C	10YR 3/2			25-90	Calc C	2.5Y 6/2		MOB	Poor	90-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
327	42	0-25	Calc C	10YR 3/2			25-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
328	42	0-25	Calc C	10YR 3/2			25-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	25	25	III	3a				3a
329	44	0-30	Calc C	10YR 4/2			30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	3a				3a
330	46	0-35	Calc C	10YR 4/2			35-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	35	35	III	3a				3a
331	47	0-35	Calc C	10YR 4/2			35-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10GY 7/1		VMOB	Poor	35	35	III	3a				3a
332	41	0-30	Calc C	10YR 4/2			30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
333	43	0-30	Calc C	10YR 4/2			30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
334	45	0-30	Calc C	10YR 4/2			30-45	Calc C	10YR 5/1		MOB	Massive	45-120	Calc C	10Y 6/1		VMOB	WCSAB	30	30	III	3a				3a
335	47	0-30	Calc C	10YR 4/2			30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	3a				3a
336	47	0-25	Calc C	10YR 4/2			25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
337	47	0-30	Calc C	10YR 4/2			30-45	Calc C	10YR 5/1		MOB	Poor	45-120	Calc C	10GY 7/1		VMOB	Poor	30	30	III	3a				3a
338	45	0-25	Calc C	10YR 4/2			25-50	Calc C	10YR 5/1		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	25	25	III	3a				3a
339	38	0-30	Calc SC	2.5Y 6/1		COB	30-120	Calc C	N 6/		MOB	Poor							30	30	III	3a				3a
340	38	0-30	Calc SC	2.5Y 6/1		COB	30-120	Calc C	N 6/		MOB	Poor							30	30	III	3a				3a
341	38	0-25	Calc SC	2.5Y 6/1		COB	25-120	Calc C	N 6/		VMOB	Poor							25	25	III	3a				3a
342	38	0-25	Calc SC	2.5Y 6/1		COB	25-120	Calc C	N 6/		MOB	Poor							25	25	III	3a				3a
343	38	0-25	Calc SC	2.5Y 6/1		COB	25-120	Calc C	N 6/		MOB	Poor							25	25	III	3a				3a
344	47	0-30	C	10YR 4/2	2%	VFOB	30-50	Calc C	2.5Y 6/2		MOB	Poor	50-120	Calc C	10YR 6/1	2%	MOB	Poor	30	30	III	3b				3b
345	47	0-30	C	10YR 4/2	2%	VFOB	30-50	Calc C	2.5Y 6/2		MOB	Poor	50-120	Calc C	10YR 6/1	2%	MOB	Poor	30	30	III	3b				3b
346	46	0-30	C	10YR 4/2	2%	VFOB	30-50	Calc C	2.5Y 6/2		MOB	Poor	50-120	Calc C	10YR 6/1	2%	MOB	Poor	30	30	III	3b				3b
347	39	0-25	Calc SC	2.5Y 6/1		COB	25-120	Calc C	N 6/		MOB	Poor							25	25	III	3a				3a
348	39	0-30	Calc SC	2.5Y 6/1		COB	30-120	Calc C	N 6/		VMOB	Poor							30	30	III	3a				3a
349	39	0-25	Calc C	10YR 4/2		FOB	25-45	Calc HCL	10YR 5/2		COB	Poor	45-120	Calc C	N 6/		MOB	Poor	25	25	III	3a				3a
350	39	0-25	Calc SC	2.5Y 6/1		COB	25-120	Calc C	N 6/		MOB	Poor							25	25	III	3a				3a
351	47	0-25	C	10YR 4/2	2%	VFOB	25-50	Calc C	2.5Y 6/2		COB	Poor	50-120	Calc C	10YR 6/1	5%	MOB	Poor	25	25	III	3b				3b
352	47	0-25	C	10YR 4/2	2%	VFOB	25-50	Calc C	2.5Y 6/2		COB	Poor	50-120	Calc C	10YR 6/1	5%	MOB	Poor	25	25	III	3b				3b
353	47	0-25	C	10YR 4/2	2%	VFOB	25-50	Calc C	2.5Y 6/2		COB	Poor	50-120	Calc C	10YR 6/1	5%	MOB	Poor	25	25	III	3b				3b
354	46	0-25	C	10YR 4/2	2%	VFOB	25-50	Calc C	2.5Y 6/2		COB	Mpryzm	50-120	Calc C	10YR 6/1	5%	MOB	CSAB	25	25	III	3b				3b
355	40	0-35	C	10YR 3/4			35-120	HCL	7.5YR 5/4		MOB	Moderate									I	3a				3a
356	38	0-35	C	10YR 3/4			35-120	HCL	7.5YR 5/4		MOB	Moderate									I	3a				3a
357	39	0-30	Calc SC	2.5Y 6/1		COB	30-120	Calc C	N 6/		MOB	Poor							30	30	III	3a				3a
358	39	0-20	Calc C	10YR 4/2		FOB	20-40	Calc C	10YR 5/1		MOB	Poor	40-120	Calc C	10YR 6/1		MOB	Poor	20	20	III	3a				3a
359	39	0-25	Calc C	10YR 4/2		FOB	25-45	Calc HCL	10YR 5/2		COB	M Prism	45-120	Calc C	N 6/		MOB	Massive	25	25	III	3a				3a

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
360	40	0-25	Calc C	10YR 4/2		FOB	25-45	Calc SC	10YR 5/2		COB	Poor	45-120	Calc C	N 6/		MOB	Poor	25	25	III	3a				3a
361	46	0-30	C	10YR 4/2	2%	VFOB	30-55	Calc C	2.5Y 6/2		MOB	Poor	55-120	Calc C	10YR 7/1	2%	MOB	Poor	30	30	III	3b				3b
362	46	0-30	C	10YR 4/2	2%	VFOB	30-55	Calc C	2.5Y 6/2		MOB	Poor	55-120	Calc C	10YR 7/1	2%	MOB	Poor	30	30	III	3b				3b
363	47	non agricultural																								
364	40	0-30	Calc SC	2.5Y 6/1		COB	30-120	Calc C	N 6/		MOB	Poor							30	30	III	3a				3a
365	39	0-25	Calc SC	2.5Y 6/1		COB	25-120	Calc C	N 6/		MOB	Poor							25	25	III	3a				3a
366	41	0-25	Calc SC	2.5Y 6/1		COB	25-120	Calc C	N 6/		MOB	Poor							25	25	III	3a				3a
367	41	0-20	Calc C	10YR 4/2		FOB	20-40	Calc C	10YR 5/1		MOB	Poor	40-120	Calc C	10YR 6/1		MOB	Poor	20	20	III	3a				3a
368	41	0-20	Calc C	10YR 4/2		FOB	20-40	Calc C	10YR 5/1		MOB	Poor	40-120	Calc C	10YR 6/1		MOB	Poor	20	20	III	3a				3a
369	41	0-25	Calc C	10YR 4/2		FOB	25-50	Calc SC	10YR 5/2		COB	Poor	50-120	Calc C	N 6/		MOB	Poor	25	25	III	3a				3a
370	42	0-25	Calc C	10YR 4/2		FOB	25-50	Calc SC	10YR 5/2		COB	Poor	50-120	Calc C	N 6/		MOB	Poor	25	25	III	3a				3a
371	46	non agricultural																								
372	47	0-30	C	10YR 3/3	2%		30-55	Calc SC	10YR 6/1	5%	MOB	Poor	55-120	Calc C	N 6/	2%	MOB	Poor	30	30	III	3b				3b
373	47	0-30	C	10YR 3/3	2%		30-55	Calc SC	10YR 6/1	5%	MOB	Poor	55-120	Calc C	N 6/	2%	MOB	Poor	30	30	III	3b				3b
374	40	0-35	C	10YR 3/4			35-55	SC	7.5YR 5/3		MOB	Poor	55-120	Calc C+S	N 6/1		VMOB	Poor	35	35	III	3b				3b
375	41	0-30	Calc SC	2.5Y 6/1		COB	30-120	Calc C	N 6/		MOB	Poor							30	30	III	3a				3a
376	41	0-25	Calc C	10YR 4/2		FOB	25-45	Calc SC	10YR 5/1		MOB	Poor	45-120	Calc C	N 6/		MOB	Poor	25	25	III	3a				3a
377	41	0-25	Calc C	10YR 4/2		FOB	25-45	Calc SC	10YR 5/1		MOB	Poor	45-120	Calc C	N 6/		MOB	Poor	25	25	III	3a				3a
378	41	0-20	Calc C	10YR 4/2		FOB	20-40	Calc C	10YR 5/1		MOB	Poor	40-120	Calc C	10YR 6/1		MOB	Poor	20	20	III	3a				3a
379	41	0-20	Calc C	10YR 4/2		FOB	20-40	Calc C	10YR 5/1		MOB	Poor	40-120	Calc C	10YR 6/1		MOB	Poor	20	20	III	3a				3a
380	43	0-25	Calc C	10YR 4/2		FOB	25-50	Calc SC	10YR 5/2		COB	Poor	50-120	Calc C	N 6/		MOB	Poor	25	25	III	3a				3a
381	47	0-30	C	10YR 3/3	2%		30-55	Calc SC	10YR 6/1	5%	MOB	Poor	55-120	Calc C	N 6/	2%	MOB	Poor	30	30	III	3b				3b
382	47	0-30	C	10YR 3/3	2%		30-55	Calc SC	10YR 6/1	5%	MOB	Poor	55-120	Calc C	N 6/	2%	MOB	Poor	30	30	III	3b				3b
383	46	0-30	C	10YR 3/3	2%		30-55	Calc SC	10YR 6/1	5%	MOB	Poor	55-120	Calc C	N 6/	2%	MOB	Poor	30	30	III	3b				3b
384	41	0-35	C	10YR 3/4			35-55	SC	7.5YR 5/3		MOB	Poor	55-120	Calc C+S	N 6/1		VMOB	Poor	35	35	III	3b				3b
385	41	0-35	C	10YR 3/4			35-55	SC	7.5YR 5/3		MOB	Poor	55-120	Calc C+S	N 6/1		VMOB	Poor	35	35	III	3b				3b
386	41	0-20	Calc C	10YR 3/3		FOB	20-40	Calc C	10Y 6/1		MOB	Poor	40-120	Calc C	N 6/		MOB	Poor	20	20	III	3a				3a
387	41	0-20	Calc C	10YR 4/2		FOB	20-45	Calc SC	10YR 5/1		MOB	Poor	45-120	Calc C	N 6/		MOB	Poor	20	20	III	3a				3a
388	41	0-20	Calc C	10YR 4/2		FOB	20-45	Calc SC	10YR 5/1		MOB	Poor	45-120	Calc C	N 6/		MOB	Poor	20	20	III	3a				3a
389	42	0-20	Calc C	10YR 4/2		FOB	20-45	Calc SC	10YR 5/1		MOB	Poor	45-120	Calc C	N 6/		MOB	Poor	20	20	III	3a				3a
390	43	0-20	Calc C	10YR 4/2		FOB	20-40	Calc C	10YR 5/1		MOB	Poor	40-120	Calc C	10YR 6/1		MOB	Poor	20	20	III	3a				3a
391	46	0-30	C	10YR 3/3	2%		30-55	Calc SC	10YR 6/1	5%	MOB	Poor	55-120	Calc C	N 6/	2%	MOB	Poor	30	30	III	3b				3b
392	44	0-35	C	10YR 3/3	2%		35-55	Calc SC	10YR 6/1	5%	MOB	Poor	55-120	Calc C	N 6/	2%	MOB	Poor	35	35	III	3b				3b
393	44	0-30	C	10YR 3/4			35-40	Calc SC	10YR 6/2	5%	MOB	Poor	40-120	Calc C	N 6/N	2%	VMOB	Poor	35	35	III	3b				3b
394	43	0-30	C	10YR 3/4			35-40	Calc SC	10YR 6/2	5%	MOB	Poor	40-120	Calc C	N 6/N	2%	VMOB	Poor	35	35	III	3b				3b
395	41	0-20	Calc SC	10YR 6/2		MOB	20-55	Calc C	N 6/		MOB	Poor	55-120	Calc C+S	N 6/N		VMOB	Poor	20	20	III	3a				3a
396	41	0-20	Calc SC	10YR 6/2		MOB	20-55	Calc C	N 6/		MOB	Poor	55-120	Calc C+S	N 6/N		VMOB	Poor	20	20	III	3a				3a
397	42	0-20	Calc SC	2.5Y 6/1		COB	20-120	Calc C	N 6/		MOB	Poor							20	20	III	3a				3a
398	41	0-20	Calc HCL	2.5Y 6/1		COB	20-120	Calc C	N 6/		MOB	Poor							20	20	III	3a				3a
399	43	0-20	Calc C	10YR 3/3		FOB	20-40	Calc C	10Y 6/1		MOB	Poor	40-120	Calc C	N 6/		MOB	Poor	20	20	III	3a				3a
400	43	0-20	Calc C	10YR 3/3		FOB	20-40	Calc C	10Y 6/1		MOB	Poor	40-120	Calc C	N 6/		MOB	Poor	20	20	III	3a				3a
401	45	0-30	C	10YR 3/4			35-40	Calc SC	10YR 6/2	5%	MOB	Poor	40-120	Calc C	N 6/N	2%	VMOB	Poor	35	35	III	3b				3b
402	44	0-30	C	10YR 3/4			35-40	Calc SC	10YR 6/2	5%	MOB	Poor	40-120	Calc C	N 6/N	2%	VMOB	Poor	35	35	III	3b				3b
403	42	0-25	Calc HCL	10YR 6/2		MOB	25-55	Calc C	N 6/		MOB	Poor	55-120	Calc C+S	N 6/N		VMOB	Moderate	25	25	III	3a				3a
404	41	0-20	Calc HCL	10YR 6/2		MOB	20-55	Calc C	N 6/		MOB	Poor	55-120	Calc C+S	N 6/N		VMOB	Moderate	20	20	III	3a				3a
405	41	0-20	Calc SC	2.5Y 6/1		COB	20-120	Calc C	N 6/		MOB	Poor							20	20	III	3a				3a
406	42	0-20	Calc SC	2.5Y 6/1		COB	20-120	Calc C	N 6/		MOB	Poor							20	20	III	3a				3a
407	41	0-20	Calc C	10YR 3/3		FOB	20-45	Calc C	10Y 6/1		MOB	Poor	45-120	Calc C	N 6/		MOB	Poor	20	20	III	3a				3a
408	43	0-25	Calc HCL	2.5Y 6/1		MOB	25-120	Calc C	N 6/		MOB	Poor							25	25	III	3a				3a
409	41	0-20	Calc HCL	2.5Y 6/1		MOB	20-120	Calc C	N 6/		MOB	Poor							20	20	III	3a				3a
410	41	0-20	Calc HCL	2.5Y 6/1		MOB	20-120	Calc C	N 6/		MOB	Poor							20	20	III	3a				3a
411	37	0-40	mSL	10YR 4/2	2%		40-120	LmS	10YR 4/4	2%	FOB	Moderate									I	1	-3.26	-22.35	3a	3a
412	35	0-40	mSL	10YR 4/2	2%		40-120	LmS	10YR 4/4	2%	VFOB	Moderate									I	1	-3.26	-22.35	3a	3a
413	34	0-40	mSL	10YR 4/2	2%		40-120	LmS	10YR 4/4		FOB	Moderate									I	1	-3.26	-22.35	3a	3a
414	31	0-20	LmS	10YR 3/2	2%		20-70	mSL	2.5Y 4/4		FOB	MSAB	70-120	LmS	2.5Y 6/6			Single Grain			I	1	3.09	-12.35	3a	3a
415	32	0-20	LmS	10YR 3/2	2%		20-70	mSL	2.5Y 4/4		FOB	Moderate	70-120	LmS	2.5Y 6/6			Moderate			I	1	3.09	-12.35	3a	3a
416	35	0-20	HCL	10YR 3/2	2%		20-50	SCL	2.5Y 5/4		COB	Moderate	50-120	Calc HCL	10YR 5/2		COB	Moderate	50	50	II	3a				3a
417	38	0-20	LmS	10YR 3/2	2%		20-70	mSL	2.5Y 4/4		FOB	Moderate	70-120	LmS	2.5Y 6/6			Moderate			I	1	3.09	-12.35	3a	3a
418	39	0-20	SCL	10YR 3/2	2%		20-40	HCL	2.5Y 5/4		FOB	Moderate	40-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
419	37	0-40	mSL	10YR 4/2	2%		40-120	LmS	10YR 4/4	2%	FOB	CSAB									I	1	-3.26	-22.35	3a	3a
420	35	0-40	mSL	10YR 4/2	2%		40-120	LmS	10YR 4/4	2%	FOB	Moderate									I	1	-3.26	-22.35	3a	3a
421	32	0-20	SCL	10YR 3/2	2%		20-40	HCL	2.5Y 5/4		FOB	Moderate	40-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
422	33	0-20	SCL	10YR 3/2	2%		20-40	HCL	2.5Y 5/4		FOB	Moderate	40-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
423	36	0-20	SCL	10YR 3/2	2%		20-40	HCL	2.5Y 5/4		FOB	Moderate	40-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
424	39	0-30	SCL	10YR 3/2			30-50	HCL	2.5Y 5/4		FOB	Moderate	50-120	Calc C	10YR 5/1		MOB	Poor	50	50	II	2				2
425	39	0-30	SCL	10YR 3/2			30-50	HCL	2.5Y 5/4		FOB	Moderate	50-120	Calc C	10YR 5/1		MOB	Poor	50	50	II	2				2
426	38	0-30	mSL	10YR 4/3			30-65	Calc SC	10YR 6/2	10%	COB	Moderate	65-120	Calc C+S	10YR 6/2			Poor	65	30	II	1	16.24	-3.35	2	2
427	37	0-30	mSL	10YR 4/3			30-65	Calc SC	10YR 6/2	10%	COB	Moderate	65-120	Calc C+S	10YR 6/2			Poor	65	30	II	1	16.24	-3.35	2	2
428	36	0-35	mSL	10YR 4/2	2%		35-120	LmS	10YR 4/4	2%	FOB	Moderate									I	1	-3.26	-22.35	3a	3a
429	32	0-30	SCL	10YR 3/2			30-50	SCL	2.5Y 5/4		COB	Moderate	50-120	Calc HCL	10YR 5/2		COB	Moderate		50	I	1	10.74	-9.35	2	2
430	34	0-25	SCL	10YR 3/2			25-50	SCL	2.5Y 5/4		COB	Moderate	50-120	Calc HCL	10YR 5/2		COB	Moderate		50	I	1	10.74	-9.35	2	2
431	38	0-20	SCL	10YR 3/2	2%		20-40	HCL	2.5Y 5/4		FOB	Moderate	40-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
432	41	0-25	SCL	10YR 3/2			20-40	HCL	2.5Y 5/4		FOB	Moderate	40-120	Calc C	10YR 6/1		MOB	Poor	40	40	II	2				2
433	40	0-30	SCL	10YR 3/2			30-50	HCL	2.5Y 5/4		FOB	Moderate	50-120	Calc C	10YR 5/1		MOB	Poor	50	50	II	2				2
434	39	0-30	mSL	10YR 4/2	2%		30-70	Calc SC	10YR 6/3	5%	COB	CAB	70-120	Calc C+S	10YR 6/2		MOB	M Prism	30	30	III	2				2
435	40	0-30	mSL	10YR 4/2	2%		30-70	Calc SC	10YR 6/3	5%	COB	Poor	70-120	Calc C+S	10YR 6/2		MOB	Poor	30	30	III	2				2
436	38	0-20	mSL	10YR 4/2			20-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	40	20	III	2				2
437	38	0-20	mSL	10YR 4/2			20-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	20	20	III	2				2
438	34	0-30	SCL	10YR 4/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.74	-3.35	2	2
439	34	0-30	SCL	10YR 4/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.74	-3.35	2	2
440	41	0-30	Calc HCL	10YR 4/2			30-45	Calc C	2.5Y 5/3		MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
441	41	0-30	Calc HCL	10YR 4/2			30-45	Calc C	2.5Y 5/3		MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
442	41	0-30	SCL	10YR 3/2			30-40	HCL	2.5Y 5/4		COB	Moderate	40-120	Calc C	10YR 5/1		MOB	Poor	40	40	II	2				2
443	43	0-25	SCL	10YR 3/2	2%		25-40	HCL	2.5Y 5/4		COB	Moderate	40-120	Calc C	10YR 5/2		MOB	Poor	40	40	II	2				2
444	41	0-35	mSL	10YR 4/2			35-70	Calc SCL	10YR 5/3	5%	FOB	Poor	70-120	Calc C+S	10YR 6/2		MOB	Poor	35	35	III	2				2
445	39	0-35	mSL	10YR 4/2			35-70	Calc SCL	10YR 5/3	5%	VFOB	Poor	70-120	Calc C+S	10YR 6/2		MOB	Poor	35	35	III	2				2
446	39	0-30	mSL	10YR 4/2			30-70	Calc SCL	10YR 5/3	5%	FOB	Poor	70-120	Calc C+S	10YR 6/2		MOB	Poor	30	30	III	2				2
447	38	0-20	mSL	10YR 4/2			20-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	40	20	III	2				2
448	35	0-30	SCL	10YR 4/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.74	-3.35	2	2
449	38	0-25	Calc HCL	10YR 3/2			25-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	2	32.86	-3.33	2	2
450	42	0-30	Calc HCL	10YR 4/2			30-45	Calc C	2.5Y 5/3		MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
451	41	0-30	Calc HCL	10YR 4/2			30-45	Calc C	2.5Y 5/3		MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
452	41	0-30	SCL	10YR 3/2			30-40	HCL	2.5Y 5/4		COB	Moderate	40-120	Calc C	10YR 5/1		MOB	Poor	40	40	II	2				2
453	41	0-25	SCL	10YR 3/2	2%		25-40	HCL	2.5Y 5/4		COB	Moderate	40-120	Calc C	10YR 5/2		MOB	Poor	40	40	II	2				2
454	41	0-30	SCL	10YR 4/2	2%		30-75	Calc SC	10YR 6/3	2%	COB	Poor	75-120	Calc MCL	10YR 8/2			Poor	30	30	III	3a				3a
455	40	0-30	SCL	10YR 4/2	2%		30-80	Calc SC	10YR 6/3	2%	COB	Poor	80-120	Calc MCL	10YR 8/2			Poor	30	30	III	3a				3a
456	38	0-20	mSL	10YR 4/2			20-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	40	20	III	2				2
457	38	0-25	mSL	10YR 4/2			25-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	40	25	III	2				2
458	36	0-25	Calc HCL	10YR 3/2			25-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	2	32.86	-3.33	2	2
459	40	0-25	Calc HCL	10YR 3/2			25-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	2	32.86	-3.33	2	2
460	43	0-30	Calc HCL	10YR 4/2			30-45	Calc C	2.5Y 5/3		MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
461	41	0-30	Calc HCL	10YR 4/2			30-45	Calc C	2.5Y 5/3		MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	30	30	III	3b				3b
462	41	0-35	Calc SCL	10YR 3/2	2%		35-45	C	2.5Y 5/1		MOB	Poor	45-120	Calc C	10YR 6/1		VMOB	Poor	35	35	III	2				2
463	41	0-25	SCL	10YR 3/2	2%		25-40	HCL	2.5Y 5/4		COB	Moderate	40-120	Calc C	10YR 5/2		MOB	Poor	40	40	II	2				2
464	40	0-35	SCL	10YR 4/2	2%		35-75	Calc SC	10YR 6/3		COB	Poor	75-120	Calc MCL	10YR 8/2			Poor	35	30	III	3a				3a
465	40	0-20	mSL	10YR 4/2			20-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	40	20	III	2				2
466	38	0-20	mSL	10YR 4/2			20-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	40	20	III	2				2
467	35	0-20	mSL	10YR 4/2			20-40	Calc SCL	10YR 5/3	10%	COB	Moderate	40-120	Calc MCL	10YR 8/2		MO	Moderate	40	20	III	2				2
468	35	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
469	38	non agricultural																								
470	42	0-25	Calc HCL	10YR 3/2			25-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	2	32.86	-3.33	2	2
471	44	0-35	mSL	10YR 4/3			35-65	Calc SC	10YR 6/2	10%	COB	Poor	65-120	Calc C	10YR 6/2			Poor	35	30	III	2				2
472	44	0-35	mSL	10YR 4/3			35-65	Calc SC	10YR 6/2	10%	COB	Poor	65-120	Calc C	10YR 6/2			Poor	35	30	III	2				2
473	43	0-35	mSL	10YR 4/3			35-60	Calc SC	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/1			Poor	35	35	III	2				2
474	41	0-35	mSL	10YR 4/3			35-60	Calc SC	10YR 6/2	10%	COB	Poor	60-120	Calc C+S	10YR 6/2			Poor	35	30	III	2				2
475	38	0-35	mSL	10YR 4/3			35-60	Calc SC	10YR 6/3	10%	COB	Poor	60-120	Calc C+S	10YR 6/2			Poor	35	30	III	2				2
476	36	0-30	mSL	10YR 4/3			30-60	Calc SC	10YR 6/3	10%	COB	Poor	60-120	Calc C+S	10YR 6/2			Poor	30	30	III	2				2
477	35	0-25	mSL	10YR 4/2			25-55	Calc SCL	10YR 5/3	10%	COB	Moderate	55-120	Calc MCL	10YR 6/3		MO	Moderate	55	25	III	2				2
478	38	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
479	40	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
480	42	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
481	44	0-35	mSL	10YR 4/3			35-60	Calc SC	10YR 5/2	10%	COB	C Prism	60-120	Calc C	10YR 6/1			WC Prism	35	35	III	2				2
482	44	0-30	mSL	10YR 4/2			30-60	Calc SCL	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/2			Poor	30	30	III	2				2
483	44	0-30	mSL	10YR 4/2			30-60	Calc SCL	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/2			Poor	30	30	III	2				2
484	40	0-25	mSL	10YR 4/2			25-65	Calc SCL	10YR 5/3	10%	COB	Moderate	65-120	Calc C+S	10YR 6/2			Poor	65	25	II	1	15.24	-4.35	2	2
485	38	0-25	mSL	10YR 4/2			25-55	Calc SCL	10YR 5/3	10%	COB	Moderate	55-120	Calc MCL	10YR 6/3		MO	Moderate	55	25	III	2				2
486	36	0-25	mSL	10YR 4/2			25-55	Calc SCL	10YR 5/3	10%	COB	Moderate	55-120	Calc MCL	10YR 6/3		MO	Moderate	55	25	III	2				2
487	40	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
488	42	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
489	43	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
490	44	0-35	mSL	10YR 4/3			35-60	Calc SC	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/1			Poor	35	35	III	2				2
491	44	0-30	mSL	10YR 4/2			30-60	Calc SCL	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/2			Poor	30	30	III	2				2
492	44	0-30	mSL	10YR 4/2			30-60	Calc SCL	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/2			Poor	30	30	III	2				2
493	42	0-25	mSL	10YR 4/2			25-65	Calc SCL	10YR 5/3	10%	COB	Moderate	65-120	Calc C+S	10YR 6/2			Poor	65	25	II	1	15.24	-4.35	2	2
494	38	0-25	mSL	10YR 4/2			25-60	Calc SCL	10YR 5/3	10%	COB	Moderate	60-120	Calc C+S	10YR 6/2			Poor	60	25	II	1	13.74	-5.35	2	2
495	37	0-30	mSL	10YR 4/2			30-60	Calc SCL	10YR 5/3	10%	COB	Moderate	60-120	Calc C+S	10YR 6/2			Poor	60	30	II	1	14.74	-4.35	2	2
496	44	0-30	Calc SCL	10YR 3/2			30-120	SC	2.5Y 4/4	5%	MOB	Moderate									I	1	31.64	-4.55	2	2
497	44	0-30	mSL	10YR 4/2			30-60	Calc SCL	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/2			Poor	30	30	III	2				2
498	42	0-30	mSL	10YR 4/2			30-60	Calc SCL	10YR 5/2	10%	COB	Poor	60-120	Calc C	10YR 6/2			Poor	30	30	III	2				2
499	40	0-25	mSL	10YR 4/2			25-60	Calc SCL	10YR 5/3	10%	COB	Moderate	60-120	Calc C+S	10YR 6/2			Poor	60	25	II	1	13.74	-5.35	2	2
500	38	0-25	mSL	10YR 4/2			25-60	Calc SCL	10YR 5/3	10%	COB	Moderate	60-120	Calc C+S	10YR 6/2			Poor	60	25	II	1	13.74	-5.35	2	2
501	37	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc SC	10YR 5/3		COB	Moderate	50-120	Calc C	2.5Y 6/2		MOB	Poor	50	30	III	2				2
502	35	0-30	Calc SCL	10YR 4/2		FOB	30-45	Calc SC	10YR 5/3		COB	Moderate	45-120	Calc C	2.5Y 6/2		MOB	Poor	45	30	III	2				2
503	37	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc SC	10YR 5/3		COB	Moderate	50-120	Calc C	2.5Y 6/2		MOB	Poor	50	30	III	2				2

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
																			Depth to		Wetness	limit by	MB	MB	limit by	most limiting
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	SPL	Gley	Class	Wetness	Wheat	Potato	Droughtiness	factor
504	36	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc SC	10YR 5/3		COB	Moderate	45-120	Calc C	2.5Y 6/2		MOB	Poor	45	30	III	2				2
505	36	0-35	Calc SCL	10YR 4/2		FOB	35-50	Calc SC	10YR 5/3		COB	Moderate	45-120	Calc C	2.5Y 6/2		MOB	Poor	50	35	III	2				2
506	38	0-30	Calc SCL	10YR 4/1		VFOB	30-100	Calc SCL	10YR 5/4	2%	COB	Moderate	100-120	Calc C	2.5Y 6/2		MOB	Poor	100	100	I	1	26.91	-3.28	2	2
507	38	0-30	Calc SCL	10YR 4/1		VFOB	30-100	Calc SCL	10YR 5/4	2%	COB	CSAB	100-120	Calc C	2.5Y 6/2		MOB	Massive	100	100	I	1	26.91	-3.28	2	2
508	37	0-35	Calc mSL	10YR 4/3			35-85	Calc mSL	10YR 5/3	5%	COB	Moderate	85-120	LmS	2.5Y 6/2		COB	Moderate		35	II	1	23.24	-1.35	2	2
509	37	0-35	Calc mSL	10YR 4/3			35-80	Calc mSL	10YR 5/3	5%	COB	Moderate	80-120	LmS	2.5Y 6/2		COB	Moderate		35	II	1	20.74	-1.35	2	2
510	39	0-35	Calc mSL	10YR 4/3			35-80	Calc mSL	10YR 5/3	5%	COB	Moderate	80-120	LmS	2.5Y 6/2		COB	Moderate		35	II	1	20.74	-1.35	2	2
511	37	0-30	Calc SCL	10YR 4/1		VFOB	30-100	Calc SCL	10YR 5/4	2%	COB	Moderate	100-120	Calc C	2.5Y 6/2		MOB	Poor	100	100	I	1	26.91	-3.28	2	2
512	37	0-35	Calc SCL	10YR 4/1		VFOB	35-90	Calc SC	10YR 5/4	2%	COB	Moderate	90-120	Calc C	2.5Y 6/1		MOB	Poor	90	90	I	1	23.91	-3.28	2	2
513	38	0-35	Calc mSL	10YR 4/3			35-80	Calc mSL	10YR 5/3	5%	COB	Moderate	80-120	LmS	2.5Y 6/2		COB	Moderate		35	II	1	20.74	-1.35	2	2
514	38	0-35	Calc mSL	10YR 4/3			35-80	Calc mSL	10YR 5/3	5%	COB	Moderate	80-120	LmS	2.5Y 6/2		COB	Moderate		35	II	1	20.74	-1.35	2	2
515	38	0-35	Calc mSL	10YR 4/3			35-80	Calc mSL	10YR 5/3	5%	COB	Moderate	80-120	LmS	2.5Y 6/2		COB	Moderate		35	II	1	20.74	-1.35	2	2
516	39	0-35	Calc SCL	10YR 4/1		FOB	35-90	Calc SC	10YR 5/3	2%	COB	Moderate	90-120	Calc C	2.5Y 6/1		MOB	Poor	90	35	II	2				2
517	38	0-35	Calc SCL	10YR 4/1		FOB	35-90	Calc SC	10YR 5/3	2%	COB	Moderate	90-120	Calc C	2.5Y 6/1		MOB	Poor	90	35	II	2				2
518	41	0-35	Calc SCL	10YR 4/1		FOB	35-85	Calc SC	10YR 5/3		COB	Moderate	85-120	Calc C	2.5Y 6/1		MOB	Poor	80	35	II	2				2
519	40	0-30	Calc SCL	10YR 4/1		FOB	30-80	Calc SC	10YR 5/3		COB	Moderate	80-120	Calc C	2.5Y 6/1		MOB	Poor	80	30	II	2				2
	39.90																									

Appendix 4b - Sample Point Assessment

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
520	29	0-30	SCL	10YR 3/2			30-50	SCL	10YR 5/3	5%		Moderate	50-120	HCL	10YR 5/2		FOB	Moderate		50	II	2	32.7	-0.46	2	2
521	29	0-30	mSL	7.5YR 4/2			30-50	SCL	10YR 5/3			Moderate	50-120	Calc C+S	10YR 6/1			Poor	50	50	II	1	9.74	-8.42	2	2
522	30	0-30	mSL	7.5YR 4/2			30-50	SCL	10YR 5/3			Moderate	50-120	Calc C+S	10YR 6/1			Poor	50	50	II	1	9.74	-8.42	2	2
523	34	0-35	mSL	7.5YR 4/2			35-50	SCL	10YR 5/3			Moderate	50-120	Calc C+S	10YR 6/1			Poor	50	50	II	1	4.63	-13.53	3a	3a
524	29	0-35	mSL	10YR 4/3			35-120	mSL	10YR 6/2	20%	FOB	Moderate									I	1	37.4	-9.16	2	2
525	29	0-30	mSL	7.5YR 4/2			30-45	SCL	10YR 5/3			Moderate	45-120	Calc C+S	10YR 6/1			Poor	45	45	II	1	9.74	-8.42	2	2
526	34	0-30	mSL	7.5YR 4/2			30-45	SCL	10YR 5/3			Moderate	45-120	Calc C+S	10YR 6/1			Poor	45	45	II	1	9.74	-8.42	2	2
527	35	0-20	mSL	7.5YR 4/2			20-40	mSL	7.5YR 4/4			Moderate	40-120	Calc C+S	10YR 5/1			Poor	40	40	III	2	3.7	-14.46	3a	3a
528	37	0-20	mSL	7.5YR 4/2			20-40	mSL	7.5YR 4/4			Moderate	40-120	Calc C+S	10YR 5/1			Poor	40	40	III	2	3.7	-14.46	3a	3a
529	29	0-30	mSL	10YR 4/3			30-120	LmS	10YR 5/4			Moderate									I	1	-7.3	-26.46	3a	3a
530	29	0-30	mSL	10YR 4/3			30-120	LmS	10YR 5/4			Moderate									I	1	-7.3	-26.46	3a	3a
531	30	0-30	mSL	10YR 4/2			30-45	mSL	7.5YR 4/3			Moderate	45	IMP - stone							I	1	-44.1	-40.76	3b	3b
532	33	0-30	mSL	10YR 4/2			30-40	mSL	7.5YR 4/3			Moderate	40	IMP - stone							I	1	-50	-46.66	3b	3b
533	35	0-25	mSL	7.5YR 4/2			25-35	mSL	10YR 4/4			Moderate	35-120	SCL	10YR 5/4			Moderate			I	1	31.7	-3.46	2	2
534	38	0-25	mSL	7.5YR 4/2			25-35	mSL	10YR 4/4			Moderate	35-120	SCL	10YR 5/4			Moderate			I	1	31.7	-3.46	2	2
535	28	0-30	mSL	10YR 4/3			30-120	mSL	10YR 6/2	20%		Moderate									I	1	35.3	-11.26	3a	3a
536	31	0-30	mSL	10YR 4/3			30-120	mSL	10YR 6/2	20%		Moderate									I	1	35.3	-11.26	3a	3a
537	29	0-30	mSL	10YR 4/3			30-120	mSL	10YR 6/2	20%		Moderate									I	1	35.3	-11.26	3a	3a
538	24	0-35	mSL	10YR 4/2	10%		35-120	SCL	10YR 5/3	15%	FOB	CAB							35	35	III	2	9.08	-18.78	3a	3a
539	30	0-30	mSL	10YR 4/3			30-120	SCL	10YR 5/3	20%	FOB	Moderate								30	II	1	27.34	-12.22	3a	3a
540	29	0-40	Calc mSL	7.5YR 4/2			40	IMP - stone													I	1	-45.8	-42.46	3b	3b
541	30	0-40	Calc mSL	7.5YR 4/2			40	IMP - stone													I	1	-45.8	-42.46	3b	3b
542	32	0-50	Calc mSL	10YR 5/4			50	IMP - stone													I	1	-29.8	-26.46	3b	3b
543	31	0-50	Calc mSL	10YR 5/4			50	IMP - stone													I	1	-29.8	-26.46	3b	3b
544	30	0-50	Calc mSL	10YR 5/4			50	IMP - stone													I	1	-29.8	-26.46	3b	3b
545	35	0-45	Calc mSL	10YR 5/4			45	IMP - stone													I	1	-37.8	-34.46	3b	3b
546	34	0-45	Calc mSL	10YR 5/4			45	IMP - stone													I	1	-37.8	-34.46	3b	3b
547	32	0-45	Calc mSL	7.5YR 4/1			45	IMP - stone													I	1	-37.8	-34.46	3b	3b
548	32	0-45	Calc mSL	7.5YR 4/1			45	IMP - stone													I	1	-37.8	-34.46	3b	3b
549	35	0-30	mSL	10YR 5/3	2%		30-60	SC	10YR 6/2	5%	VMOB	Moderate	60-120	Calc C	2.5Y 6/2		VMOB	Poor	60	60	II	1	12.64	-7.07	2	2
550	34	0-30	mSL	10YR 5/3	2%		30-60	SC	10YR 6/2	5%	VMOB	Moderate	60-120	Calc C	2.5Y 6/2		VMOB	Poor	60	60	II	1	12.64	-7.07	2	2
551	33	0-30	Calc mSL	10YR 4/3	2%		30	SCL	7.5YR 5/4			Moderate	45	IMP - stone							I	1	-45.6	-42.26	3b	3b
552	32	0-30	Calc mSL	10YR 4/3	2%		30	SCL	7.5YR 5/4			Moderate	45	IMP - stone							I	1	-45.6	-42.26	3b	3b
553	27	0-35	Calc mSL	10YR 5/3	5%		35-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	38.95	-1.81	2	2
554	36	0-40	SCL	10YR 4/1	2%	VFOB	40-70	Calc C	10YR 6/1		MOB	Poor	70-120	Calc C	10YR 6/1		MOB	Poor	40	40	III	3a	10.42	-4.74	2	3a
555	35	0-40	SCL	10YR 4/1	2%	VFOB	40-70	Calc C	10YR 6/1		MOB	Poor	70-120	Calc C	10YR 6/1		MOB	Poor	40	40	III	3a	10.42	-4.74	2	3a
556	34	0-40	SCL	10YR 4/1	2%	VFOB	40-70	Calc C	10YR 6/1		MOB	Poor	70-120	Calc C	10YR 6/1		MOB	Poor	40	40	III	3a	10.42	-4.74	2	3a
557	32	0-35	Calc mSL	10YR 4/3	2%		35-45	SCL	7.5YR 4/2			Moderate	45	IMP - stone							I	1	-40.92	-37.58	3b	3b
558	30	0-35	Calc mSL	10YR 4/3	2%		35-45	SCL	7.5YR 4/2			Moderate	45	IMP - stone							I	1	-40.92	-37.58	3b	3b
559	29	0-30	Calc mSL	10YR 5/3	5%		30-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	35.1	-9.26	2	2
560	31	0-35	Calc mSL	10YR 5/3	5%		35-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	38.95	-1.81	2	2
561	29	0-30	Calc mSL	10YR 5/3	5%		30-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	35.1	-9.26	2	2
562	29	0-35	Calc mSL	10YR 5/3	5%		35-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	38.95	-1.81	2	2
563	35	0-30	Calc mSL	10YR 5/3	5%		30-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	35.1	-9.26	2	2
564	36	0-45	SCL	10YR 4/1		VFOB	45-65	Calc C	10YR 6/1		MOB	Poor	65-120	Calc C+S	10YR 6/2		VMOB	Poor	45	45	II	2	12.26	-5.9	2	2
565	34	0-35	Calc mSL	10YR 4/3	2%		35-45	SCL	7.5YR 4/2			Moderate	45	IMP - stone							I	1	-40.92	-37.58	3b	3b
566	32	0-35	Calc mSL	10YR 4/3	2%		35-45	SCL	7.5YR 4/2			Moderate	45	IMP - stone							I	1	-40.92	-37.58	3b	3b
567	29	0-35	Calc mSL	10YR 4/3	2%		35-45	SCL	7.5YR 4/2			Moderate	45	IMP - stone							I	1	-40.92	-37.58	3b	3b
568	29	0-30	mSL	10YR 5/3	15%		30-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	39.7	-2.46	2	2
569	33	0-30	mSL	10YR 5/3	15%		30-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	39.7	-2.46	2	2
570	32	0-30	mSL	10YR 5/3	15%		30-120	Calc mSL	7.5YR 5/3	10%		Single Grain									I	1	39.7	-2.46	2	2
571	30	0-30	mSL	10YR 5/3	15%		30-120	Calc mSL	7.5YR 5/3	10%		Moderate									I	1	39.7	-2.46	2	2
572	32	0-35	mSL	10YR 5/3	10%		35-120	Calc mSL	7.5YR 5/3			Moderate									I	1	35.1	-7.06	2	2
573	37	0-35	SCL	10YR 4/2	2%	FO	35-60	mSL	10YR 5/6		MOB	Moderate	60-120	C+S	10YR 5/1		MOB	Poor	60	60	II	2	33.7	-0.46	2	2
574	37	0-45	SCL	10YR 4/1		VFOB	45-65	Calc C	10YR 6/1		MOB	Poor	65-120	Calc C+S	10YR 6/1		VMOB	Poor	45	45	II	2	12.26	-5.9	2	2
575	35	0-45	SCL	10YR 4/1		VFOB	45-65	Calc C	10YR 6/1		MOB	Poor	65-120	Calc C+S	10YR 6/1		VMOB	Poor	45	45	II	2	12.26	-5.9	2	2
576	32	0-45	SCL	10YR 4/1		VFOB	45-60	Calc C	10YR 6/1		MOB	Poor	60-120	Calc C+S	10YR 6/1		VMOB	Poor	45	45	II	2	12.26	-5.9	2	2
577	29	0-45	SCL	10YR 4/1		VFOB	45-60	Calc C	10YR 6/1		MOB	Poor	60-120	Calc C+S	10YR 6/1		VMOB	Poor	45	45	II	2	12.26	-5.9	2	2
578	33	0-30	mSL	10YR 5/3	10%		30-120	Calc mSL	7.5YR 5/3			Moderate									I	1	39.7	-2.46	2	2
579	34	0-30	mSL	10YR 5/3	10%		30-120	Calc mSL	7.5YR 5/3			Moderate									I	1	39.7	-2.46	2	2
580	33	0-30	mSL	10YR 5/3	10%		30-120	Calc mSL	7.5YR 5/3			Moderate									I	1	39.7	-2.46	2	2
581	32	0-30	mSL	10YR 5/3	10%		30-120	Calc mSL	7.5YR 5/3			Moderate									I	1	39.7	-2.46	2	2
582	35	0-35	mSL	10YR 5/3	10%		35-120	Calc mSL	7.5YR 5/3			Moderate									I	1	35.1	-7.06	2	2
583	30	0-20	mSL	10YR 4/1	5%		20-40	C	10YR 5/1		MOB	Poor	40-120	Calc C	10YR 6/1		VMOB	Poor	20	20	III	2	3.7	-14.46	3a	3a
584	35	0-35	SCL	10YR 4/2		FO	35-60	mSL	10YR 5/6		MOB	Moderate	60-120	C+S	10YR 5/1		MOB	Poor	60	60	II	2	33.7	-0.46	2	2
585	38	0-35	SCL	10YR 4/2		FO	35-60	mSL	10YR 5/6		MOB	Moderate	60-120	C+S	10YR 5/1		MOB	Poor	60	60	II	2	33.7	-0.46	2	2
586	38	0-35	SCL	10YR 4/2	2%	FO	35-60	mSL	10YR 5/6		MOB	Moderate	60-120	C+S	10YR 5/1		MOB	Poor	60	60	II	2	33.7	-0.46	2	2
587	37	0-30	SCL	10YR 4/2		FOB	30-45	SCL	10YR 5/1		MOB	Poor	45-120	SC	10YR 6/2		VMOB	Poor	30	30	III	3a	10.43	-14.73	3a	3a
588	33	0-30	SCL	10YR 4/2		FOB	30-45	SCL	10YR 5/1		MOB	Poor	45-120	SC	10YR 6/2		VMOB	Poor	30	30	III	3a	10.43	-14.73	3a	3a
589	31	0-30	Calc SCL	10YR 4/2	5%	FOB	30-55	Calc SCL	10YR 5/1	2%	MOB	Poor	55-120	Calc HCL	5Y 6/1	5%	VMOB	Poor	30	30	III	2	8.2	-10.46	3a	3a
590	33	0-40	mSL	10YR 4/2	5%		40-60	SCL	7.5YR 4/2		COB	Moderate	60-120	C	10YR 6/1		MOB	Poor	60	60	II	1	9.65	-12.16	3a	3a

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
																			Depth to		Wetness	limit by	MB	MB	limit by	most limiting
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	SPL	Gley	Class	Wetness	Wheat	Potato	Droughtiness	factor
591	35	non agricultural																								
592	34	0-30	mSL	10YR 5/3	10%		35-120	Calc mSL	7.5YR 5/3	5%		Moderate									I	1	40.7	-1.46	2	2
593	32	0-30	mSL	10YR 5/3	10%		35-120	Calc mSL	7.5YR 5/3	5%		Moderate									I	1	40.7	-1.46	2	2
594	32	0-30	mSL	10YR 5/3	10%		35-120	Calc mSL	7.5YR 5/3	5%		Moderate									I	1	40.7	-1.46	2	2
595	34	0-35	mSL	10YR 5/3	10%		35-120	Calc mSL	7.5YR 5/3			Moderate									I	1	35.1	-7.06	2	2
596	37	0-30	SCL	10YR 4/2	5%	FOB	30-50	Calc SCL	10YR 5/1		MOB	CAB	50-120	Calc HCL	5Y 6/1		VMOB	MSAB	30	30	III	3a	24.6	-10.56	3a	3a
597	34	0-30	Calc SCL	10YR 4/2	5%	FOB	30-55	Calc SCL	10YR 5/1	2%	MOB	Poor	55-120	Calc HCL	5Y 6/1	5%	VMOB	Poor	30	30	III	2	8.2	-10.46	3a	3a
598	33	0-40	mSL	10YR 4/2	5%		40-60	SCL	7.5YR 4/2		COB	Moderate	60-120	C	10YR 6/1		MOB	Poor	60	60	II	1	9.65	-12.16	3a	3a
599	34	non agricultural																								
600	37	non agricultural																								
601	35	0-30	mSL	10YR 4/3	10%		30-40	Calc SCL	7.5YR 4/3		COB	Moderate	40-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	16.7	-8.46	2	2
602	35	0-30	mSL	10YR 4/3	10%		30-40	Calc SCL	7.5YR 4/3		COB	Moderate	40-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	16.7	-8.46	2	2
603	34	0-30	Calc mSL	10YR 5/3	10%		30-120	Calc mSL	7.5YR 4/3	5%		Moderate									I	1	33.8	-9.46	2	2
604	36	0-45	mSL	10YR 4/2	10%		45-60	SCL	7.5YR 4/3	5%	FOB	MSAB	60-120	C+S	10YR 6/1		MOB	Massive	60	60	II	1	9.65	-12.16	3a	3a
605	34	0-40	mSL	10YR 4/2	5%		40-60	SCL	7.5YR 4/2		COB	Moderate	60-120	C	10YR 6/1		MOB	Poor	60	60	II	1	9.65	-12.16	3a	3a
606	37	0-30	mSL	10YR 4/3	10%		30-40	Calc SCL	7.5YR 4/3		COB	Moderate	40-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	16.7	-8.46	2	2
607	38	0-30	mSL	10YR 4/3	10%		30-40	Calc SCL	7.5YR 4/3		COB	Moderate	40-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	16.7	-8.46	2	2
608	38	0-30	mSL	10YR 4/3	10%		30-40	Calc SCL	7.5YR 4/3		COB	Moderate	40-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	16.7	-8.46	2	2
609	37	0-30	Calc mSL	10YR 5/3	10%		30-120	Calc mSL	7.5YR 4/3	5%		Moderate									I	1	33.8	-9.46	2	2
610	40	0-40	mSL	10YR 4/2	5%		40-60	SCL	7.5YR 4/3		FOB	Moderate	60-120	C	10YR 6/1		VMOB	Poor	60	60	II	1	9.65	-12.16	3a	3a
611	36	0-40	mSL	10YR 4/2	5%		40-60	SCL	7.5YR 4/3		FOB	Moderate	60-120	C	10YR 6/1		VMOB	Poor	60	60	II	1	9.65	-12.16	3a	3a
612	38	0-30	Calc mSL	10YR 4/3	10%		30-45	Calc SCL	7.5YR 4/3		COB	Moderate	45-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	12.9	-12.26	3a	3a
613	38	0-30	Calc mSL	10YR 4/3	10%		30-45	Calc SCL	7.5YR 4/3		COB	Moderate	45-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	12.9	-12.26	3a	3a
614	38	0-30	Calc mSL	10YR 4/3	10%		30-45	Calc SCL	7.5YR 4/3		COB	Moderate	45-120	Calc SCL	10YR 6/2		VMOB	Poor			I	1	12.9	-12.26	3a	3a
615	38	0-30	Calc mSL	10YR 4/3	10%		30-50	Calc SCL	7.5YR 4/3		COB	Moderate	50-120	Calc C	10YR 6/2		VMOB	Poor			I	1	6.9	-11.26	3a	3a
616	41	0-20	Calc mSL	10YR 4/2	20%		20	IMP - stone													I	1	-84.2	-80.86	4	4
617	38	0-20	Calc mSL	10YR 4/2	20%		20	IMP - stone													I	1	-84.2	-80.86	4	4
618	40	0-30	Calc mSL	10YR 4/3	10%		30-50	Calc SCL	7.5YR 4/3		COB	Moderate	50-120	Calc C	10YR 6/2		VMOB	Poor			I	1	6.9	-11.26	3a	3a
619	42	0-30	Calc mSL	10YR 4/3	10%		30-50	Calc SCL	7.5YR 4/3		COB	Moderate	50-120	Calc C	10YR 6/2		VMOB	Poor			I	1	6.9	-11.26	3a	3a
620	41	0-30	Calc mSL	10YR 4/3	10%		30-50	Calc SCL	7.5YR 4/3		COB	Moderate	50-120	Calc C	10YR 6/2		VMOB	Poor			I	1	6.9	-11.26	3a	3a
621	43	0-30	Calc mSL	10YR 4/2	20%		30	IMP - stone													I	1	-66.6	-63.26	4	4
622	40	0-20	Calc mSL	10YR 4/2	20%		20	IMP - stone													I	1	-84.2	-80.86	4	4
623	41	0-25	Calc mSL	10YR 4/3	10%		25-120	Calc SCL	7.5YR 5/3		COB	Moderate									I	1	27.7	-7.46	2	2
624	43	0-25	Calc mSL	10YR 4/3	10%		25-120	Calc SCL	7.5YR 5/3		COB	Moderate									I	1	27.7	-7.46	2	2
625	41	0-30	Calc mSL	10YR 4/3	15%		30-120	Calc SCL	7.5YR 5/3		COB	C Prism							30	30	III	2	7.5	-17.66	3a	3a
626	38	0-30	Calc mSL	10YR 4/2	20%		30	IMP - stone													I	1	-66.6	-63.26	4	4
627	38	0-20	Calc mSL	10YR 4/2	20%		20	IMP - stone													I	1	-84.2	-80.86	4	4
628	40	0-20	Calc mSL	10YR 4/3	10%		20	IMP - stone													I	1	-81	-77.6	4	4
629	42	0-20	Calc mSL	10YR 4/3	10%		20	IMP - stone													I	1	-81	-77.6	4	4
630	43	0-20	Calc mSL	10YR 4/3	10%		20	IMP - stone													I	1	-81	-77.6	4	4
631	42	0-25	Calc mSL	10YR 4/2	20%		25	IMP - stone													I	1	-77.8	-74.6	4	4
632	41	0-25	Calc mSL	10YR 4/2	20%		25	IMP - stone													I	1	-77.8	-74.6	4	4
633	43	0-20	Calc mSL	10YR 4/3	10%		20	IMP - stone													I	1	-81	-77.6	4	4
634	45	0-20	Calc mSL	10YR 4/3	10%		20	IMP - stone													I	1	-81	-77.6	4	4
635	44	0-20	Calc mSL	10YR 4/3	15%		20	IMP - stone													I	1	-82.6	-79.26	4	4
	34.54																									

Appendix 4c - Sample Point Assessment

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
																			Depth to		Wetness	limit by	MB	MB	limit by	most limiting
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	SPL	Gley	Class	Wetness	Wheat	Potato	Droughtiness	factor
636	39	0-20	Calc SCL	10YR 4/2	10%	FOB	20-55	Calc C	2.5Y 6/2	5%	MOB	Poor	55-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	20	20	III	2	-0.07	-19.77	3a	3a
637	39	0-20	Calc SCL	10YR 4/2	10%	FOB	20-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	20	20	III	2	-0.07	-19.77	3a	3a
638	39	0-25	Calc SCL	10YR 4/2	10%	FOB	25-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	25	25	III	2	1.98	-17.72	3a	3a
639	40	0-20	Calc SCL	10YR 4/2	10%	FOB	20-55	Calc C	2.5Y 6/2	5%	MOB	Poor	55-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	20	20	III	2	-0.07	-19.77	3a	3a
640	40	0-20	Calc SCL	10YR 4/2	10%	FOB	20-55	Calc C	2.5Y 6/2	5%	MOB	Poor	55-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	20	20	III	2	-0.07	-19.77	3a	3a
641	39	0-20	Calc SCL	10YR 4/2	10%	FOB	20-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	20	20	III	2	-0.07	-19.77	3a	3a
642	39	0-25	Calc SCL	10YR 4/2	5%	FOB	25-65	Calc C	2.5Y 5/2	10%	MOB	Poor	65-120	Calc C+S	10GY 6/1	5%	VMOB	Moderate	25	25	III	2	1.98	-17.72	3a	3a
643	38	0-30	SCL	10YR 4/2	10%	FOB	30-65	C	2.5Y 5/3	10%	MOB	Poor	65-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	30	30	III	3a				3a
644	36	0-30	SCL	10YR 4/2	10%	FOB	30-65	C	2.5Y 5/3	10%	MOB	Poor	65-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	30	30	III	3a				3a
645	41	0-20	Calc SCL	10YR 4/2	10%	FOB	20-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	20	20	III	2	-0.07	-19.77	3a	3a
646	40	0-25	Calc SCL	10YR 4/2	5%	FOB	25-65	Calc C	2.5Y 5/2	10%	MOB	Poor	65-120	Calc C+S	10GY 6/1	5%	VMOB	Moderate	25	25	III	2	1.98	-17.72	3a	3a
647	39	0-30	SCL	10YR 4/2	10%	FOB	30-60	C	2.5Y 5/3	10%	MOB	Poor	60-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	30	30	III	3a				3a
648	37	0-30	SCL	10YR 4/2	10%	FOB	30-60	C	2.5Y 5/3	10%	MOB	CAB	60-120	Calc C+S	10GY 6/1	5%	VMOB	MSAB	30	30	III	3a				3a
649	39	0-25	Calc SCL	10YR 4/2	5%	FOB	25-65	Calc C	2.5Y 5/2	10%	MOB	Poor	65-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	25	25	III	2	1.98	-17.72	3a	3a
650	38	0-30	SCL	10YR 4/2	10%	FOB	30-65	C	2.5Y 5/3	10%	MOB	Poor	65-120	Calc C+S	10GY 6/1	5%	VMOB	Poor	30	30	III	2	0.23	-18.07	3a	3a
651	36	0-35	Calc C	10YR 3/2	2%	FOB	35-55	Calc C	10YR 6/1		MOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
652	36	0-30	Calc C	10YR 3/2	2%	FOB	30-55	Calc C	10YR 6/1		MOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	3a				3a
653	36	0-30	Calc C	10YR 3/2	2%	FOB	30-55	Calc C	10YR 6/1		MOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	3a				3a
654	35	0-35	Calc C	10YR 3/2	2%	FOB	35-55	Calc C	10YR 6/1		MOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
655	35	0-35	Calc C	10YR 3/2	2%	FOB	35-60	Calc C	10YR 6/1		MOB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
656	36	0-35	Calc C	10YR 3/2	2%	FOB	35-55	Calc C	10YR 6/1		MOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
657	34	0-30	Calc C	10YR 3/2	2%	FOB	30-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	3a				3a
658	35	0-35	Calc C	10YR 3/2	2%	FOB	35-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
659	36	0-35	Calc C	10YR 3/2	2%	FOB	35-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
660	35	0-30	Calc SCL	10YR 3/2	5%	FOB	30-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
661	35	0-30	Calc SCL	10YR 3/2	5%	FOB	30-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
662	37	0-35	Calc C	10YR 3/2	2%	FOB	35-65	Calc C	10YR 5/1		COB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
663	38	0-35	Calc C	10YR 3/2	2%	FOB	35-65	Calc C	10YR 5/1		COB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
664	38	0-35	Calc C	10YR 3/2	2%	FOB	35-65	Calc C	10YR 5/1		COB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
665	38	0-30	Calc C	10YR 3/2	2%	FOB	30-65	Calc C	10YR 5/1		COB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	3a				3a
666	38	0-25	Calc SCL	10YR 4/2	10%	FOB	25-45	Calc SC	2.5Y 6/2	10%	COB	Poor	45-120	Calc C	5GY 6/1	10%	MOB	Poor	25	25	III	2	-0.02	-19.72	3a	3a
667	31	0-35	Calc SCL	10YR 3/2	5%	FOB	35-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
668	35	0-30	Calc SCL	10YR 3/2	5%	FOB	30-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
669	35	0-35	Calc C	10YR 3/2	2%	VFOB	35-60	Calc C	10YR 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
670	35	0-35	Calc C	10YR 3/2	2%	VFOB	35-60	Calc C	10YR 5/1		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
671	36	0-30	Calc C	10YR 3/2		VFOB	30-60	Calc C	10YR 5/1		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	3a				3a
672	35	0-35	Calc C	10YR 3/2	2%	VFOB	35-65	Calc C	10YR 5/1		COB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
673	36	0-25	Calc SCL	10YR 3/2	5%	FOB	25-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	MOB	Poor	25	25	III	2	1.98	-17.72	3a	3a
674	35	0-25	Calc SCL	10YR 3/2	5%	FOB	25-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	MOB	Poor	25	25	III	2	1.98	-17.72	3a	3a
675	38	0-30	Calc SCL	10YR 3/2	5%	FOB	30-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
676	38	0-30	Calc SCL	10YR 4/2	10%	FOB	30-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	10%	VMOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
677	38	0-30	Calc SCL	10YR 4/2	10%	FOB	30-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	10%	VMOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
678	40	0-30	Calc SCL	10YR 4/2	5%	FOB	30-75	Calc HCL	2.5Y 5/3	5%	COB	Poor	75-120	Calc C	10GY 6/1	5%	MOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
679	40	0-35	Calc SCL	10YR 4/2	10%	FOB	35-60	Calc C	5GY 6/1	10%	MOB	Poor	60-120	Calc C	10GY 6/1	10%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
680	41	0-35	Calc SCL	10YR 4/2	10%	FOB	35-60	Calc C	5GY 6/1	10%	MOB	Poor	60-120	Calc C	10GY 6/1	10%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
681	30	0-30	Calc SCL	10YR 3/2	5%	FOB	30-50	Calc C	10YR 6/1		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
682	32	0-30	Calc SCL	10YR 3/2	5%	FOB	30-55	Calc C	10YR 6/1		MOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
683	35	0-35	Calc C	10YR 3/2	10%		35-60	Calc C	2.5Y 4/1	2%	COB	Moderate	60-120	Calc C	N 5/1	2%	MOB	Poor	60	35	II	2	9.77	-6.37	2	2
684	35	0-35	Calc C	10YR 3/2	10%		35-60	Calc C	2.5Y 4/1	2%	COB	Moderate	60-120	Calc C	N 5/1	2%	MOB	Poor	60	35	II	2	9.77	-6.37	2	2
685	35	0-30	Calc SCL	10YR 3/2	5%	FOB	30-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	VMOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
686	33	0-30	Calc SCL	10YR 3/2	5%	FOB	30-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
687	34	0-25	Calc SCL	10YR 3/2	5%	FOB	25-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	VMOB	Poor	25	25	III	2	1.98	-17.72	3a	3a
688	34	0-30	Calc SCL	10YR 3/2	5%	FOB	30-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
689	36	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc C	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
690	36	0-30	Calc SCL	10YR 4/1	5%	FOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	15%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
691	38	0-30	Calc SCL	10YR 4/1	5%	FOB	30-55	Calc C	2.5Y 6/2	10%	MOB	Poor	55-120	Calc C	10GY 6/1	15%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
692	38	0-30	Calc SCL	10YR 4/2	10%	FOB	30-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	10%	VMOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
693	39	0-30	Calc SCL	10YR 4/2	10%	FOB	30-60	Calc C	5GY 6/1	10%	MOB	Poor	60-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
694	40	0-30	Calc SCL	10YR 4/2	10%	FOB	30-60	Calc C	5GY 6/1	10%	MOB	Poor	60-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
695	40	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc SC	5GY 6/1	5%	MOB	Poor							30	30	III	2	11.93	-13.87	3a	3a
696	40	0-30	Calc SCL	10YR 4/2	5%	FOB	30-70	Calc HCL	2.5Y 5/3	5%	COB	Poor	70-120	Calc C	10GY 6/1	5%	MOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
697	40	0-30	Calc SCL	10YR 4/2	5%	FOB	30-75	Calc HCL	2.5Y 5/3	5%	COB	Poor	75-120	Calc C	10GY 6/1	5%	MOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
698	41	0-30	Calc SCL	10YR 4/2	5%	FOB	30-75	Calc HCL	2.5Y 5/3	5%	COB	Poor	75-120	Calc C	10GY 6/1	5%	MOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
699	34	0-35	Calc C	10YR 3/2	10%		35-60	Calc C	2.5Y 4/1	2%	COB	C Prism	60-120	Calc C	N 5/1		MOB	MSAB	60	35	II	2	9.77	-6.37	2	2
700	32	0-30	Calc SCL	10YR 3/2	5%	FOB	30-45	Calc C	2.5Y 5/3	10%	MOB	Poor	45-120	Calc C	10YR 5/1	10%	VMOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
701	31	0-20	Calc SCL	10YR 3/2	15%	FOB	20	IMP - stone													I	1	-63.67	-60.07	4	4
702	35	0-30	Calc SCL	10YR 3/2	15%	FOB	30	Calc SC	2.5Y 4/4	10%		Moderate	60-120	Calc C+S	10YR 4/6	5%	MO	Moderate			I	1	12.83	-7.27	2	2
703	36	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc C	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
704	37	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc C	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
705	37	0-30	Calc SCL	10YR 4/1	5%	FOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	15%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
706	38	0-30	Calc SCL	10YR 4/1	5%	FOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	15%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
707	38	0-30	Calc SCL	10YR 4/1	5%	FOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	15%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
708	39	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	10%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
709	40	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	10%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
710	41	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc SC	5GY 6/1	5%	MOB	Poor							30	30	III	2	11.93	-13.87	3a	3a
711	41	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc SC	5GY 6/1	5%	MOB	Poor							30	30	III	2	11.93	-13.87	3a	3a
712	41	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc SC	5GY 6/1	5%	MOB	Poor							30	30	III	2	11.93	-13.87	3a	3a
713	41	0-30	Calc SCL	10YR 4/2	5%	FOB	30-75	Calc HCL	2.5Y 5/3	5%	COB	Moderate	75-120	Calc C	10GY 6/1	5%	MOB	Poor	75	30	II	2	5.47	-12.79	3a	3a
714	30	0-30	Calc SCL	10YR 3/2	15%	FOB	30	Calc SC	2.5Y 4/4	10%		Moderate	60-120	Calc C+S	10YR 4/6	5%	MO	Moderate			I	1	12.83	-7.27	2	2
715	34	0-30	Calc SCL	10YR 3/2	15%	FOB	30	Calc SC	2.5Y 4/4	10%		Moderate	60-120	Calc C+S	10YR 4/6	5%	MO	Moderate			I	1	12.83	-7.27	2	2
716	38	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/2	5%	MOB	Poor	30	30	III	2	7.33	-10.39	3a	3a
717	38	0-35	Calc SCL	10YR 4/2	2%	FOB	35-50	Calc SCL	2.5Y 5/3		MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	35	35	III	2	6.91	-11.35	3a	3a
718	38	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	6.91	-11.35	3a	3a
719	38	0-30	Calc SCL	10YR 4/1	5%	FOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	15%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
720	40	0-30	Calc SCL	10YR 4/1	5%	VFOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
721	41	0-30	Calc SCL	10YR 4/1	5%	FOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	15%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
722	41	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	10%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
723	41	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	10%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
724	42	0-25	Calc SCL	10YR 4/2	10%	FOB	25-45	Calc SC	2.5Y 6/2	10%	COB	Poor	45-120	Calc C	5GY 6/1	10%	MOB	Poor	25	25	III	2	-0.02	-19.72	3a	3a
725	41	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc SC	5GY 6/1	5%	MOB	CAB							30	30	III	2	11.93	-13.87	3a	3a
726	41	0-30	Calc SCL	10YR 4/2	10%	FOB	30-55	Calc SC	2.5Y 6/2	10%	COB	Poor	55-120	Calc C	5GY 6/1	10%	MOB	Poor	30	30	III	2	1.63	-18.07	3a	3a
727	29	0-30	Calc SCL	10YR 4/2	10%	FOB	30-50	Calc SC	2.5Y 6/2	10%	COB	Poor	50-120	Calc C	5GY 6/1	10%	MOB	Poor	30	30	III	2	1.63	-18.07	3a	3a
728	33	0-30	Calc SCL	10YR 3/2	10%	FOB	30	Calc SC	2.5Y 4/4	5%		Moderate	65-120	Calc C+S	10YR 4/6	5%	MO	Moderate			I	1	12.83	-7.27	2	2
729	36	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	6.91	-11.35	3a	3a
730	37	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	6.91	-11.35	3a	3a
731	37	0-35	Calc SCL	10YR 4/2	2%	FOB	35-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	35	35	III	2	6.91	-11.35	3a	3a
732	37	0-30	Calc SCL	10YR 4/2		FOB	30-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	7.33	-10.39	3a	3a
733	38	non agri																								
734	39	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc C	5GY 6/1	10%	VMOB	Poor							30	30	III	2	5.47	-12.79	3a	3a
735	41	0-30	Calc SCL	10YR 4/1	5%	VFOB	30-50	Calc C	2.5Y 6/2	10%	MOB	Poor	50-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	2	4.03	-15.67	3a	3a
736	41	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	5%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
737	41	0-30	Calc SCL	10YR 4/2	10%	FOB	30-45	Calc SC	2.5Y 6/2	10%	COB	Poor	45-120	Calc C	5GY 6/1	10%	MOB	Poor	30	30	III	2	1.63	-18.07	3a	3a
738	42	0-25	Calc SCL	10YR 4/2	10%	FOB	25-45	Calc SC	2.5Y 6/2	10%	COB	Poor	45-120	Calc C	5GY 6/1	10%	MOB	Poor	25	25	III	2	-0.02	-19.72	3a	3a
739	41	0-25	Calc SCL	10YR 4/2	10%	FOB	25-45	Calc SC	2.5Y 6/2	10%	COB	Poor	45-120	Calc C	5GY 6/1	10%	MOB	Poor	25	25	III	2	-0.02	-19.72	3a	3a
740	41	0-30	Calc SCL	10YR 4/2	10%	FOB	30-50	Calc SC	2.5Y 6/2	10%	COB	Poor	50-120	Calc C	5GY 6/1	10%	MOB	Poor	30	30	III	2	1.63	-18.07	3a	3a
741	29	0-30	Calc SCL	10YR 3/2	10%	FOB	30	Calc SC	2.5Y 4/4	5%		Moderate	65-120	Calc C+S	10YR 4/6	5%	MO	Moderate			I	1	12.83	-7.27	2	2
742	32	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	6.91	-11.35	3a	3a
743	34	0-35	Calc SCL	10YR 4/2	2%	FOB	35-55	Calc SCL	2.5Y 5/3	2%	MOB	Poor	55-120	Calc C	10YR 5/1	5%	MOB	Poor	35	35	III	2	6.91	-11.35	3a	3a
744	34	0-30	Calc SCL	10YR 4/2	2%	FOB	30-55	Calc SCL	2.5Y 5/3	2%	MOB	Poor	55-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	6.91	-11.35	3a	3a
745	36	0-30	Calc SCL	10YR 4/2	2%	FOB	30-50	Calc SCL	2.5Y 5/3	2%	MOB	Poor	50-120	Calc C	10YR 5/1	5%	MOB	Poor	30	30	III	2	6.91	-11.35	3a	3a
746	38	non agri																								
747	38	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc C	5GY 6/1	10%	VMOB	Poor							30	30	III	2	5.47	-12.79	3a	3a
748	39	0-30	Calc SCL	10YR 4/2	5%	VFOB	30-120	Calc C	5GY 6/1	10%	VMOB	Poor							30	30	III	2	5.47	-12.79	3a	3a
749	41	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	5%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
750	41	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	5%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
751	41	0-30	Calc SCL	10YR 4/2	10%	FOB	30-50	Calc SC	2.5Y 6/2	10%	COB	Poor	50-120	Calc C	5GY 6/1	10%	MOB	Poor	30	30	III	2	1.63	-18.07	3a	3a
752	29	0-35	Calc HCL	10YR 4/2	5%	FOB	35-50	SC	2.5Y 5/3	20%	MOB	C Prism	50	IMP - stone					35	35	III	3a				3a
753	30	0-35	Calc HCL	10YR 4/2	5%	FOB	35-50	SC	2.5Y 5/3	20%	MOB	Poor	50	IMP - stone					35	35	III	3a				3a
754	31	0-30	Calc SCL	10YR 4/2	5%	FOB	30-55	Calc HCL	10YR 5/1	5%	MOB	Poor	55-120	Calc C	10Y 6/1	5%	MOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
755	32	0-30	Calc SCL	10YR 4/2	5%	FOB	30-55	Calc HCL	10YR 5/1	5%	MOB	Poor	55-120	Calc C	10Y 6/1	5%	MOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
756	34	0-35	HCL	10YR 4/2	5%	FOB	35-120	Calc C	10Y 6/1	5%	MOB	Poor							35	35	III	3b				3b
757	37	0-35	HCL	10YR 4/2	5%	FOB	35-120	Calc C	10Y 6/1	5%	MOB	Poor							35	35	III	3b				3b
758	38	0-30	Calc HCL	10YR 4/2	5%	FOB	30-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	3a				3a
759	29	0-35	Calc SCL	10YR 4/2	10%	FOB	35-55	Calc C	5GY 6/1	10%	MOB	Poor	55-120	Calc C	10GY 6/1	5%	MOB	Poor	35	35	III	2	3.96	-14.84	3a	3a
760	36	0-30	Calc SCL	10YR 4/2	10%	FOB	30-50	Calc SC	2.5Y 6/2	10%	COB	Poor	50-120	Calc C	5GY 6/1	10%	MOB	Poor	30	30	III	2	1.63	-18.07	3a	3a
761	35	0-30	Calc HCL	10YR 4/2	10%	FOB	30-60	Calc HCL	2.5Y 5/2	10%	MOB	Poor	60-120	Calc C	10Y 6/1	5%	VMOB	Poor	30	30	III	3a				3a
762	35	non agri																								
763	36	0-30	Calc SCL	10YR 4/2	2%	FOB	30-60	Calc HCL	2.5Y 5/2	5%	MOB	Poor	60-120	Calc C	10Y 6/1	5%	VMOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
764	37	0-35	Calc SCL	10YR 4/2	5%	FOB	35-50	Calc C	10YR 5/1	5%	MOB	Poor	50-120	Calc C	10Y 6/1	5%	MOB	Poor	35	35	III	2	6.08	-13.62	3a	3a
765	37	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc C	10Y 7/1	2%	COB	Poor							30	30	III	2	5.47	-12.79	3a	3a
766	38	0-30	Calc HCL	10YR 4/2	5%	FOB	30-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	3a				3a
767	38	0-30	Calc HCL	10YR 4/2	5%	VFOB	30-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	3a				3a
768	38	0-30	Calc HCL	10YR 4/2	10%	FOB	30-60	Calc HCL	2.5Y 5/2	10%	MOB	Poor	60-120	Calc C	10Y 6/1	5%	VMOB	Poor	30	30	III	3a				3a
769	30	0-30	Calc SCL	10YR 4/2	2%	FOB	30-65	Calc HCL	2.5Y 5/2	5%	MOB	Poor	65-120	Calc C	10Y 6/1	5%	VMOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
770	34	0-30	Calc SCL	10YR 4/2	2%	FOB	30-65	Calc HCL	2.5Y 5/2	5%	MOB	Poor	65-120	Calc C	10Y 6/1	5%	VMOB	Poor	30	30	III	2	5.47	-12.79	3a	3a
771	34	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc C	10Y 7/1	2%	COB	Poor							30	30	III	2	5.47	-12.79	3a	3a
772	36	0-35	Calc SCL	10YR 4/2	5%	FOB	35-120	Calc C	10Y 7/1	2%	COB	Poor							35	35	III	2	7.16	-11.1	3a	3a
773	38	0-30	Calc HCL	10YR 4/2	5%	FOB	30-50	Calc C	2.5Y 6/2	5%	MOB	Poor	50-120	Calc C	10GY 6/1	10%	MOB	Poor	30	30	III	3a				3a
774	31	0-35	Calc SCL	10YR 4/2	5%	FOB	35-70	Calc HCL	2.5Y 5/2	5%	MOB	Poor	70-120	Calc C	10Y 6/1	5%	VMOB	Poor	35	35	III	2	7.16	-11.1	3a	3a
775	32	0-35	Calc SCL	10YR 4/2	5%	FOB	35-70	Calc HCL	2.5Y 5/2	5%	MOB	Poor	70-120	Calc C	10Y 6/1	5%	VMOB	Poor	35	35	III	2	7.16	-11.1	3a	3a
776	38	0-30	Calc SCL	10YR 4/2	5%	FOB	30-120	Calc C	10Y 7/1	2%	COB	Poor							30	30	III	2	5.47	-12.79	3a	3a
777	35	0-35	Calc HCL	10YR 4/2	5%	FOB	35-70	Calc HCL	2.5Y 5/2	5%	MOB	Poor	70-120	Calc C	10Y 6/1	5%	VMOB	Poor	35	35	III	3a				3a
	36.82																									

Appendix 4d - Sample Point Assessment

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness
778	47	0-30	Calc SC	10YR 4/2	3%	FOB	30-50	Calc C	2.5Y 6/1	2%	VMOB	Poor	50-120	Calc C+S	5Y 6/1		MOB	Poor	30	30	III	3a
779	47	0-30	Calc SC	10YR 4/2	3%	FOB	30-55	Calc C	2.5Y 6/1		VMOB	Poor	55-120	Calc C+S	5Y 6/1	5%	MOB	Poor	30	30	III	3a
780	47	0-30	Calc SC	10YR 4/2	3%	FOB	30-55	Calc C	2.5Y 6/1		VMOB	Poor	55-120	Calc C+S	5Y 6/1	5%	MOB	Poor	30	30	III	3a
781	47	0-30	SCL	10YR 3/2		FOB	30-50	C+S	2.5Y 6/1		VMOB	Poor	50-120	SC	10YR 5/1	2%	VMOB	Poor	30	30	III	3a
782	47	0-30	SCL	10YR 3/2		FOB	30-50	C+S	2.5Y 6/1		VMOB	Poor	50-120	SC	10YR 5/1	2%	VMOB	Poor	30	30	III	3a
783	47	0-30	SC	10YR 4/2		FOB	30-70	SC	10YR 5/3		FOB	Poor	70-120	Calc C+S	5Y 6/1	5%	VMOB	Poor	30	30	III	3b
784	47	0-30	SCL	10YR 4/2	3%	FOB	30-70	SC	10YR 5/3		COB	Poor	70-120	Calc C+S	5Y 6/1		MOB	Poor	30	30	III	3a
785	47	0-30	SCL	10YR 4/2	3%	FOB	30-70	SC	10YR 5/3		COB	Poor	70-120	Calc C+S	5Y 6/1		MOB	Poor	30	30	III	3a
786	47	0-35	Calc SC	10YR 4/2	4%	FOB	35-90	Calc C	5Y 6/1	5%	MOB	CPryzm	90-100	S	10YR 5/8			Single Grain	35	35	III	3a
787	47	0-25	SCL	10YR 3/2		VFOB	25-50	SCL	10YR 5/3		VMOB	Poor	45-120	C+S	5Y 6/1		VMOB	Poor	25	25	III	3a
788	47	0-25	SCL	10YR 3/2		VFOB	25-50	SCL	10YR 5/3		VMOB	Poor	45-120	C+S	5Y 6/1		VMOB	Poor	25	25	III	3a
789	47	0-30	SC	10YR 4/2		FOB	30-70	SC	10YR 5/3		FOB	Poor	70-120	Calc C+S	5Y 6/1	5%	VMOB	Poor	30	30	III	3b
790	47	0-30	SCL	10YR 4/2	3%	FOB	30-70	SC	10YR 5/3		COB	Poor	70-120	Calc C+S	5Y 6/1		MOB	Poor	30	30	III	3a
791	47	0-30	Calc SC	10YR 4/2	4%	FOB	30-90	Calc C	5Y 6/1	5%	MOB	Poor	90-100	S	10YR 5/8			Moderate	30	30	III	3a
792	48	0-30	Calc SC	10YR 4/2	4%	FOB	30-90	Calc C	5Y 6/1	5%	MOB	Poor	90-100	S	10YR 5/8			Moderate	30	30	III	3a
793	48	0-30	SCL	10YR 3/2		VFOB	30-45	SCL	10YR 5/3		VMOB	Poor	45-120	C+S	5Y 6/1		VMOB	Poor	30	30	III	3a
794	49	0-30	SCL	10YR 3/2		VFOB	30-45	SCL	10YR 5/3		VMOB	Poor	45-120	C+S	5Y 6/1		VMOB	Poor	30	30	III	3a
795	50	0-30	SCL	10YR 3/2			30-40	SCL	10YR 5/2		COB	Poor	40-120	Calc C+S	5Y 6/1		VMOB	Poor	30	30	III	3a
796	49	0-30	SCL	10YR 3/2	3%		30-40	SCL	10YR 5/2		FOB	Poor	40-120	SC	5Y 6/1		VMOB	Poor	30	30	III	3a
797	50	0-25	SCL	10YR 3/2	2%	VFOB	25-120	Calc C	5Y 6/1	2%	VMOB	Poor							25	25	III	3a
798	50	0-25	SCL	10YR 3/2		VFOB	25-120	Calc C	5Y 6/1	2%	VMOB	Poor							25	25	III	3a
799	50	0-30	SCL	10YR 3/2			30-40	SCL	10YR 5/2		COB	Poor	40-120	Calc C+S	5Y 6/1		VMOB	Poor	30	30	III	3a
800	50	0-30	SCL	10YR 3/2	3%		30-40	SCL	10YR 5/2		FOB	Poor	40-120	SC	5Y 6/1		VMOB	Poor	30	30	III	3a
801	50	0-25	SCL	10YR 3/2	2%	VFOB	25-120	Calc C	5Y 6/1	2%	VMOB	Poor							25	25	III	3a
802	50	0-25	SCL	10YR 3/2		VFOB	25-120	Calc C	5Y 6/1	2%	VMOB	Poor							25	25	III	3a
803	50	0-30	SCL	10YR 4/2		VFOB	30-50	mSL	2.5Y 6/2	2%	VMOB	Moderate	50-120	Calc C+S	5Y 6/1		VMOB	Poor	50	30	III	3a
804	50	0-25	SCL	10YR 4/2		VFOB	25-60	mSL	2.5Y 6/2		VMOB	Moderate	60-120	SC	5Y 6/1		VMOB	Poor	60	25	II	2
805	50	0-25	SCL	10YR 4/2		VFOB	25-60	mSL	2.5Y 6/2		VMOB	Moderate	60-120	C+S	5Y 6/1		VMOB	Poor	60	25	II	2
806	50	0-30	SCL	10YR 4/2		VFOB	30-50	mSL	10YR 6/1		VMOB	Moderate	50-120	C+S	5Y 6/1		VMOB	Poor	50	30	III	3a
807	50	0-30	SCL	10YR 4/2		VFOB	30-50	mSL	10YR 6/1		VMOB	Moderate	50-120	C+S	5Y 6/1		VMOB	Poor	50	30	III	3a
808	50	0-25	Calc SCL	10YR 4/2		VFOB	25-90	Calc HCL	2.5Y 5/2	5%	FOB	Poor	90-120	Calc C	10YR 5/1		COB	Poor	25	25	III	2
809	50	0-25	Calc SCL	10YR 4/2		VFOB	25-90	Calc HCL	2.5Y 5/2	5%	FOB	Poor	90-120	Calc C	10YR 5/1		COB	Poor	25	25	III	2
810	50	0-30	SCL	10YR 4/2		VFOB	30-50	mSL	2.5Y 6/2	2%	VMOB	Moderate	50-120	Calc C+S	5Y 6/1		VMOB	Poor	50	30	III	3a
811	50	0-25	SCL	10YR 4/2		VFOB	25-60	mSL	2.5Y 6/2		VMOB	Moderate	60-120	C	5Y 6/1		VMOB	Poor	60	25	II	2
812	50	0-25	SCL	10YR 4/2		VFOB	25-60	mSL	2.5Y 6/2		VMOB	Moderate	60-120	C+S	5Y 6/1		VMOB	Poor	60	25	II	2
813	50	0-30	SCL	10YR 4/2		VFOB	30-50	mSL	10YR 6/1		VMOB	Moderate	50-120	C+S	5Y 6/1		VMOB	Poor	50	30	III	3a
814	50	0-25	SCL	10YR 4/2		FOB	25-35	Calc HCL	2.5Y 4/1		FOB	Poor	35-120	Calc C	5Y 6/1		VMOB	Poor	25	25	III	3a
815	50	0-30	Calc SCL	10YR 4/2		VFOB	30-90	Calc HCL	2.5Y 5/3	2%	FOB	Poor	90-120	Calc C	10YR 5/1		COB	Poor	30	30	III	2
816	50	0-30	Calc SCL	10YR 4/2		VFOB	30-90	Calc HCL	2.5Y 5/3	2%	FOB	Poor	90-120	Calc C	10YR 5/1		COB	Poor	30	30	III	2
818	50	0-30	SCL	10YR 4/2		VFOB	30-40	HCL	10YR 5/2		VMOB	Poor	40	IMP- stone					30	30	III	3a
819	50	0-30	SCL	10YR 4/2		VFOB	30-70	HCL	2.5Y 4/2		VMOB	Poor	70-120	Calc C	5Y 6/1		VMOB	Poor	30	30	III	3a
820	50	Non Ag																				
821	50	Non Ag																				
822	50	0-25	SCL	10YR 4/2		FOB	25-35	Calc HCL	2.5Y 4/1		FOB	Poor	35-120	Calc C	5Y 6/1		VMOB	Poor	25	25	III	3a
823	50	0-25	SCL	10YR 4/2		FOB	25-35	Calc HCL	2.5Y 4/1		FOB	Poor	35-120	Calc C	5Y 6/1		VMOB	Poor	25	25	III	3a
824	51	0-30	Calc SCL	10YR 4/2		VFOB	30-90	Calc HCL	2.5Y 5/3	2%	FOB	Poor	90-120	Calc C	10YR 5/1		COB	Poor	30	30	III	2
825	52	0-30	Calc SCL	10YR 4/2		VFOB	30-90	Calc HCL	2.5Y 5/3	2%	FOB	Poor	90-120	Calc C	10YR 5/1		COB	Poor	30	30	III	2
828	50	0-30	SCL	10YR 4/2		VFOB	30-40	HCL	10YR 5/2		VMOB	Poor	40	IMP- stone					30	30	III	3a
829	50	0-30	SCL	10YR 4/2		VFOB	30-70	HCL	2.5Y 4/2		VMOB	Poor	70-120	Calc C	5Y 6/1		VMOB	Poor	30	30	III	3a
830	50	0-30	SCL	10YR 4/2		VFOB	30-70	HCL	2.5Y 4/2		VMOB	Poor	70-120	Calc C	5Y 6/1		VMOB	Poor	30	30	III	3a
831	50	0-30	SCL	10YR 4/2		FOB	30-45	Calc HCL	2.5Y 4/2		FOB	Poor	45-120	Calc C	2.5Y 5/3		MOB	Poor	30	30	III	3a
832	50	0-30	SCL	10YR 4/2		FOB	30-45	Calc HCL	2.5Y 4/2		FOB	Poor	45-120	Calc C	2.5Y 5/3		MOB	Poor	30	30	III	3a
836	52	0-30	SCL	10YR 4/2		VFOB	30-40	HCL	2.5Y 4/2		FOB	Poor	40-120	Calc C	5Y 6/1		VMOB	Poor	30	30	III	3a
837	52	0-30	SCL	10YR 4/2		VFOB	30-40	HCL	2.5Y 4/2		FOB	Poor	40-120	Calc C	5Y 6/1		VMOB	Poor	30	30	III	3a
838	53	0-30	SCL	10YR 4/2		FOB	30-40	HCL	2.5Y 4/2		FOB	VCSAB	40-120	Calc C	5Y 6/1	2%	VMOB	MASS	30	30	III	3a
841	55	0-30	SCL	10YR 4/2		VFOB	30-40	HCL	2.5Y 4/2		FOB	Poor	40-120	Calc C	5Y 6/1		VMOB	Poor	30	30	III	3a
842	52	0-30	SCL	10YR 4/2		VFOB	30-40	HCL	2.5Y 4/2		FOB	Poor	40-120	Calc C	5Y 6/1		VMOB	Poor	30	30	III	3a

Appendix 4e - Sample Point Assessment

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness
871	58	0-30	Calc SCL	10YR 3/2		VFOB	30-55	Calc SC	10YR 5/2		VMOB	Moderate	55-120	Calc C+S	5BG 6/1		MOB	Poor	55	30	III	2
872	57	0-35	Calc SCL	10YR 3/2	2%	VFOB	35-60	Calc SC	10YR 6/2		MOB	Moderate	60-120	Calc C+S	5BG 6/1		MOB	Poor	60	35	III	2
873	57	0-30	Calc SCL	10YR 3/2		VFOB	30-55	Calc SC	10YR 5/2		VMOB	Moderate	55-120	Calc C+S	5BG 6/1		MOB	Poor	55	30	III	2
874	57	0-30	Calc SCL	10YR 3/2		VFOB	30-55	Calc SC	10YR 5/2		VMOB	Moderate	55-120	Calc C+S	5BG 6/1		MOB	Poor	55	30	III	2
875	57	0-35	Calc SCL	10YR 3/2	2%	VFOB	35-60	Calc SC	10YR 6/2		MOB	Moderate	60-120	Calc C+S	5BG 6/1		MOB	Poor	60	35	III	2
876	57	0-30	Calc SCL	10YR 4/2		FOB	30-60	Calc SCL	2.5Y 5/3		VMOB	CSAB	60-120	Calc C	5BG 6/1		MOB	MASS	60	30	III	2
877	57	0-35	Calc SCL	10YR 3/2			35-45	Calc C	10YR 5/2		COB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	35	35	III	2
878	57	0-35	Calc SCL	10YR 4/2	2%		35-120	Calc C	10YR 5/2		COB	Poor							35	35	III	2
879	56	0-30	Calc SCL	10YR 4/2	2%		30-60	Calc SC	2.5Y 5/3		VMOB	Poor	60-70	mS	10YR 6/6			Moderate	30	30	III	2
880	57	0-35	Calc SCL	10YR 4/2		FOB	35-60	Calc C	10YR 6/2		VMOB	Poor	60-120	mS	10YR 6/6		MOB	Moderate	35	35	III	2
881	57	0-35	Calc SCL	10YR 4/2		FOB	35-60	Calc C	10YR 6/2		VMOB	Poor	60-120	mS	10YR 6/6		MOB	Moderate	35	35	III	2
882	57	0-30	Calc SCL	10YR 4/2		FOB	30-80	Calc C	5BG 6/1		VMOB	Poor	80-85	mS	10YR 6/6			Moderate	30	30	III	2
883	58	0-30	Calc SCL	10YR 4/2		FOB	30-80	Calc C	5BG 6/1		VMOB	Poor	80-85	mS	10YR 6/6			Moderate	30	30	III	2
884	57	0-30	Calc SCL	10YR 4/2	2%		30-60	Calc SC	2.5Y 5/3		VMOB	Poor	60-70	mS	10YR 6/6			Moderate	30	30	III	2
885	57	0-30	Calc SCL	10YR 4/2	2%		30-60	Calc SC	2.5Y 5/3		VMOB	Poor	60-70	mS	10YR 6/6			Moderate	30	30	III	2
886	57	0-30	Calc SCL	10YR 4/2	4%	FOB	30-45	Calc SC	10YR 5/2		VMOB	Moderate	45-120	Calc C	5BG 6/1		MOB	Poor	45	30	III	2
887	57	0-30	Calc SCL	10YR 4/2	4%	FOB	30-45	Calc SC	10YR 5/2		VMOB	Moderate	45-120	Calc C	5BG 6/1		MOB	Poor	45	30	III	2
888	57	0-30	Calc SCL	10YR 4/2	4%	FOB	30-45	Calc SC	10YR 5/2		VMOB	Moderate	45-120	Calc C	5BG 6/1		MOB	Poor	45	30	III	2
889	57	0-30	Calc SCL	10YR 4/1		COB	30-60	Calc SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		VMOB	Poor	30	30	III	2
890	57	0-30	Calc SCL	10YR 4/1		COB	30-60	Calc SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		VMOB	Poor	30	30	III	2
891	57	0-30	Calc SCL	10YR 4/1		COB	30-60	Calc SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		VMOB	Poor	30	30	III	2
892	57	0-30	Calc SCL	10YR 4/2	4%	FOB	30-45	Calc SC	10YR 5/2		VMOB	Moderate	45-120	Calc C	5BG 6/1		MOB	Poor	45	30	III	2
893	57	0-30	Calc SCL	10YR 4/2	4%	FOB	30-45	Calc SC	10YR 5/2		VMOB	Moderate	45-120	Calc C	5BG 6/1		MOB	Poor	45	30	III	2
894	57	0-30	Calc SCL	10YR 4/2	4%	FOB	30-45	Calc SC	10YR 5/2		VMOB	Moderate	45-120	Calc C	5BG 6/1		MOB	Poor	45	30	III	2
895	56	0-30	Calc SCL	10YR 4/2		VFOB	30-70	SC	2.5Y 5/3		VMOB	Poor	70-75	mS	10YR 6/6			Moderate	30	30	III	2
896	57	0-35	Calc SCL	10YR 4/1	2%	VFOB	35-60	Calc SC	10YR 5/2	2%	FOB	Moderate	60-120	Calc C	5Y 5/3		COB	Poor	60	35	III	2
897	57	0-35	Calc SCL	10YR 4/1	2%	VFOB	35-60	Calc SC	10YR 5/2	2%	FOB	Moderate	60-120	Calc C	5Y 5/3		COB	Poor	60	35	III	2
898	57	0-35	Calc SCL	10YR 4/1	2%	VFOB	35-60	Calc SC	10YR 5/2	2%	FOB	Moderate	60-120	Calc C	5Y 5/3		COB	Poor	60	35	III	2
899	56	0-30	Calc SCL	10YR 4/2		FOB	30-60	Calc C	10YR 5/2			Poor	60-120	Calc C	2.5Y 5/3		FOB	Poor	30	30	III	2
900	56	0-30	Calc SCL	10YR 4/2		FOB	30-60	Calc C	10YR 5/2			Poor	60-120	Calc C	2.5Y 5/3		FOB	Poor	30	30	III	2
901	57	0-30	Calc SCL	10YR 4/2		FOB	30-60	Calc C	10YR 5/2			Poor	60-120	Calc C	2.5Y 5/3		FOB	Poor	30	30	III	2
902	57	0-30	Calc SCL	10YR 4/2		FOB	30-60	Calc C	10YR 5/2			Poor	60-120	Calc C	2.5Y 5/3		FOB	Poor	30	30	III	2
903	56	0-30	Calc SCL	10YR 4/2		VFOB	30-70	SC	2.5Y 5/3		VMOB	Poor	70-75	mS	10YR 6/6			Moderate	30	30	III	2
904	57	0-30	Calc SCL	10YR 4/1		VFOB	30-65	Calc SC	10YR 5/2	2%	COB	Moderate	65-120	Calc C	5BG 6/1		MOB	Poor	65	30	II	2
905	57	0-30	Calc SCL	10YR 4/1		VFOB	30-65	Calc SC	10YR 5/2	2%	COB	Moderate	65-120	Calc C	5BG 6/1		MOB	Poor	65	30	II	2
906	57	0-30	Calc SCL	10YR 4/1		VFOB	30-65	Calc SC	10YR 5/2	2%	COB	Moderate	65-120	Calc C	5BG 6/1		MOB	Poor	65	30	II	2
907	56	0-30	Calc SCL	10YR 4/2		FOB	30-60	Calc C	10YR 5/2			Poor	60-120	Calc C	2.5Y 5/3		FOB	Poor	30	30	III	2
908	56	0-25	Calc SCL	10YR 4/2	2%	FOB	25-65	Calc SC	10YR 6/2		VMOB	Poor	65-75	mS	10YR 6/6			Moderate	25	25	III	2
909	57	0-25	Calc SCL	10YR 4/2	2%	FOB	25-65	Calc SC	10YR 6/2		VMOB	Poor	65-75	mS	10YR 6/6			Moderate	25	25	III	2
910	54	0-30	Calc SCL	10YR 4/2		VFOB	30-60	SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		MOB	Poor	30	30	III	2
911	55	0-30	Calc SCL	10YR 4/2		VFOB	30-60	SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		MOB	Poor	30	30	III	2
912	56	0-30	Calc SCL	10YR 4/2		FOB	30-60	SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		MOB	Poor	30	30	III	2
913	56	0-30	Calc SCL	10YR 4/2		FOB	30-60	SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		MOB	Poor	30	30	III	2
914	57	0-30	Calc SCL	10YR 3/2	4%	VFOB	30-50	Calc C	10YR 5/2		MOB	Moderate	50-120	Calc C+S	5BG 6/1		MOB	Poor	50	30	III	2
915	57	0-30	Calc SCL	10YR 3/2	4%	VFOB	30-50	Calc C	10YR 5/2		MOB	Moderate	50-120	Calc C+S	5BG 6/1		MOB	Poor	50	30	III	2
916	56	0-30	Calc SCL	10YR 3/2	4%	VFOB	30-50	Calc C	10YR 5/2		MOB	Moderate	50-120	Calc C+S	5BG 6/1		MOB	Poor	50	30	III	2
917	57	0-25	Calc SCL	10YR 4/2	2%	FOB	25-50	Calc SC	10YR 5/2		VMOB	Moderate	50-120	Calc C+S	5BG 6/1	3%	MOB	Poor	50	25	III	2
918	57	0-25	Calc SCL	10YR 4/2	2%	FOB	25-50	Calc SC	10YR 5/2		VMOB	Moderate	50-120	Calc C+S	5BG 6/1	3%	MOB	Poor	50	25	III	2
919	53	0-30	Calc SCL	10YR 4/2		VFOB	30-60	SC	2.5Y 5/3		VMOB	Poor	60-120	Calc C+S	5BG 6/1		MOB	Poor	30	30	III	2
920	55	0-30	Calc SCL	10YR 3/2	4%	VFOB	30-50	Calc HCL	10YR 5/2		VMOB	Moderate	50-120	Calc C+S	5BG 6/1		MOB	Poor	50	30	III	2
921	56	0-30	Calc SCL	10YR 3/2	4%	VFOB	30-50	Calc HCL	10YR 5/2		VMOB	Moderate	50-120	Calc C+S	5BG 6/1		MOB	Poor	50	30	III	2
922	56	0-30	Calc SCL	10YR 3/2	4%	VFOB	30-50	Calc HCL	10YR 5/2		VMOB	Moderate	50-120	Calc C+S	5BG 6/1		MOB	Poor	50	30	III	2
923	56	0-30	Calc SCL	10YR 4/2	3%	FOB	30-50	Calc SC	10YR 5/2		VMOB	Poor	50-120	Calc C+S	5BG 6/1	3%	MOB	Poor	30	30	III	2
924	57	0-30	Calc SCL	10YR 4/2	3%	FOB	30-50	Calc SC	10YR 5/2		VMOB	Poor	50-120	Calc C+S	5BG 6/1	3%	MOB	Poor	30	30	III	2
925	56	0-30	Calc SCL	10YR 4/2	2%	VFOB	30-40	SC	2.5Y 5/3		MOB	Poor	40-50	mS	10YR 6/6			Moderate	30	30	III	2
926	55	0-30	Calc SCL	10YR 4/2	2%	VFOB	30-40	SC	2.5Y 5/3		MOB	Poor	40-50	mS	10YR 6/6			Moderate	30	30	III	2

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness
927	56	0-30	Calc SCL	10YR 4/2	2%	VFOB	30-40	SC	2.5Y 5/3		MOB	Poor	40-50	mS	10YR 6/6			Moderate	30	30	III	2
928	57	0-30	Calc SCL	10YR 4/2	3%	FOB	30-70	Calc SC	10YR 5/2		MOB	Moderate	70-80	mS	10YR 6/6			Moderate		30	II	2
929	57	0-30	Calc SCL	10YR 4/2	7%	FOB	30-60	Calc SC	10YR 5/2	5%	VMOB	WCSAB	60-120	Calc SC	5BG 6/1	5%	MOB	CSAB	30	30	III	2
930	55	0-30	Calc SCL	10YR 4/2	2%	FOB	30-55	Calc SC	10YR 6/2		MOB	Poor	55-120	Calc C+S	5BG 6/1		MOB	Poor	30	30	III	2
931	56	0-30	Calc SCL	10YR 4/2	2%	FOB	30-55	Calc SC	10YR 6/2		MOB	Poor	55-120	Calc C+S	5BG 6/1		MOB	Poor	30	30	III	2
932	56	0-30	Calc SCL	10YR 4/2	3%	FOB	30-70	Calc SC	10YR 5/2		MOB	Moderate	70-80	mS	10YR 6/6			Moderate		30	II	2
933	56	0-30	Calc SCL	10YR 4/2	3%	FOB	30-55	Calc SC	10YR 6/2		VMOB	Poor	55-120	Calc C+S	5BG 6/1	3%	MOB	Poor	30	30	III	2
934	57	0-30	Calc SCL	10YR 4/2	3%	FOB	30-55	Calc SC	10YR 6/2		VMOB	Poor	55-120	Calc C+S	5BG 6/1	3%	MOB	Poor	30	30	III	2
935	55	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
936	56	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
937	56	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
938	57	0-25	Calc SCL	10YR 4/2	2%	FOB	25-45	Calc C	10YR 5/3	3%	MOB	Moderate	45-120	Calc C	5BG 6/1	2%	MOB	Poor	45	25	III	2
939	57	0-25	Calc SCL	10YR 4/2	2%	FOB	25-45	Calc C	10YR 5/3	3%	MOB	Moderate	45-120	Calc C	5BG 6/1	2%	MOB	Poor	45	25	III	2
940	54	0-30	SCL	10YR 3/2	5%	VFOB	30-90	SC	2.5Y 5/3	5%	MO	WCSAB	90-100	mS	10YR 6/6	5%	MOB	Single Grain	30	30	III	3a
941	55	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
942	56	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
943	56	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
944	57	0-25	Calc SCL	10YR 4/2	2%	FOB	25-50	Calc C	10YR 5/2	3%	MOB	Moderate	50-120	Calc C	5BG 6/1	2%	MOB	Poor	50	25	III	2
945	57	0-25	Calc SCL	10YR 4/2	2%	FOB	25-50	Calc C	10YR 5/2	3%	MOB	Moderate	50-120	Calc C	5BG 6/1	2%	MOB	Poor	50	25	III	2
946	51	0-30	SCL	10YR 3/2	5%	VFOB	30-90	SC	2.5Y 5/3	5%	MOB	Poor	90-100	mS	10YR 6/6	5%	MOB	Poor	30	30	III	3a
947	52	0-30	SCL	10YR 3/2	2%	VFOB	30-90	SC	2.5Y 5/3	5%	MOB	Poor	90-100	mS	10YR 6/6	5%	MOB	Poor	30	30	III	3a
948	54	0-30	SCL	10YR 3/2	5%	VFOB	30-90	SC	2.5Y 5/3	5%	MOB	Poor	90-100	mS	10YR 6/6	5%	MOB	Poor	30	30	III	3a
949	55	0-25	Calc SCL	10YR 4/2			25-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
950	56	0-25	Calc SCL	10YR 4/2			25-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
951	55	0-25	Calc SCL	10YR 4/2			25-50	Calc C	10YR 5/2		MOB	Poor	50-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
952	56	0-30	Calc SCL	10YR 4/2	2%	FOB	30-45	Calc C	10YR 5/2	3%	MOB	Moderate	45-120	Calc C	5BG 6/1	2%	MOB	Poor	45	30	III	2
953	54	0-30	Calc SCL	10YR 4/2	2%	FOB	30-45	Calc C	10YR 5/2	3%	MOB	Moderate	45-120	Calc C	5BG 6/1	2%	MOB	Poor	45	30	III	2
954	55	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
955	56	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
956	55	0-25	Calc SCL	10YR 4/2			25-45	Calc C	10YR 5/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	25	25	III	2
957	56	0-30	Calc SCL	10YR 4/2	3%	VFOB	30-45	Calc C	10YR 5/3	5%	MOB	Poor	45-120	Calc C	5BG 6/1	2%	MOB	Poor	30	30	III	2
958	56	0-30	Calc SCL	10YR 4/2	3%	FOB	30-45	Calc C	10YR 5/3	5%	MOB	CSAB	45-120	Calc C	5BG 6/1	2%	MOB	MASS	45	30	III	2
959	55	0-30	Calc SCL	10YR 4/2			30-45	Calc C	10YR 6/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	30	30	III	2
960	55	0-30	Calc SCL	10YR 4/2			30-45	Calc C	10YR 6/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	30	30	III	2
961	54	0-30	Calc SCL	10YR 4/2			30-45	Calc C	10YR 6/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	30	30	III	2
962	55	0-30	Calc SCL	10YR 4/2			30-45	Calc C	10YR 6/2		MOB	Poor	45-120	Calc C	5BG 6/1		MOB	Poor	30	30	III	2
	56.12																					

Appendix 4f - Sample Point Assessment

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth to SPL	Gley	Wetness Class	limit by Wetness	MB Wheat	MB Potato	limit by Droughtiness	most limiting factor
963	56	0-35	Calc SCL	10YR 4/1	3%	VFOB	35-65	Calc C	2.5Y 5/2		MOB	Poor	65-120	Calc C+S	10YR 6/1		COB	Poor	35	35	III	2				2
964	56	0-30	Calc SCL	10YR 4/1	3%		30-60	Calc C	2.5Y 5/2		MOB	Poor	60-120	Calc C+S	10YR 6/1		COB	Poor	30	30	III	2	10.11	-6.73	2	2
965	56	0-30	Calc SCL	10YR 4/1	3%	VFOB	30-60	Calc C	2.5Y 5/2		MOB	Poor	60-120	Calc C+S	10YR 6/1		COB	Poor	30	30	III	2				2
966	56	0-40	Calc SCL	10YR 4/1	3%		40-80	Calc mSL	10YR 6/2		MOB	Moderate	80-120	Calc C	10YR 6/1		COB	Poor	40	40	III	2				2
967	57	0-35	Calc SCL	10YR 4/1	3%		35-60	Calc mSL	10YR 6/2		MOB	C Prism	60-120	Calc C	10YR 6/1		COB	M Prism	60	35	II	2	9.95	-9.89	2	2
968	57	0-35	Calc SCL	10YR 4/1	3%		35-60	Calc mSL	10YR 6/2		MOB	Moderate	60-120	Calc C	10YR 6/1		COB	Poor	60	35	II	2	9.95	-9.89	2	2
969	56	0-35	Calc SCL	10YR 4/2	2%	VFOB	35-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		COB	Poor	35	35	III	2				2
970	56	0-40	Calc SCL	10YR 4/2	2%	VFOB	40-65	Calc SC	2.5Y 5/2		COB	Poor	65-120	Calc C	10Y 6/1		COB	Poor	40	40	III	2				2
971	56	0-40	Calc SCL	10YR 3/2	2%	VFOB	40-60	Calc SC	2.5Y 5/1		COB	Poor	60-120	Calc C	10Y 6/1		COB	Poor	40	40	III	2				2
972	56	0-35	Calc SCL	10YR 3/2	2%	VFOB	35-65	Calc SC	2.5Y 5/1		COB	Poor	65-120	Calc C	10Y 6/1		COB	Poor	35	35	III	2				2
973	54	0-35	Calc SCL	10YR 4/2	2%	VFOB	35-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		COB	Poor	35	35	III	2				2
974	56	0-40	Calc SCL	10YR 4/2	2%	VFOB	40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		COB	Poor	40	40	III	2				2
975	55	0-40	Calc SCL	10YR 3/2	2%		40-60	Calc SC	2.5Y 5/1		COB	Poor	60-120	Calc C	10Y 6/1		COB	Poor	40	40	III	2				2
976	55	0-40	Calc SCL	10YR 3/2	2%	VFOB	40-60	Calc SC	2.5Y 5/1		COB	Poor	60-120	Calc C	10Y 6/1		COB	Poor	40	40	III	2				2
977	59	0-35	Calc SCL	10YR 4/2			35-55	Calc SC	2.5Y 5/2		COB	Poor	55-120	Calc SC	2.5Y 6/2		COB	Poor	35	35	III	2				2
978	56	0-40	Calc SCL	10YR 4/2			40-55	Calc SC	2.5Y 5/2		COB	Poor	55-120	Calc SC	2.5Y 6/1		COB	Poor	40	40	III	2				2
979	56	0-35	Calc SCL	10YR 4/2			35-55	Calc SC	2.5Y 5/2		COB	Poor	55-120	Calc SC	2.5Y 6/1		COB	Poor	35	35	III	2				2
980	56	0-35	Calc SCL	10YR 4/2			35-50	Calc SC	2.5Y 5/2		COB	Poor	50-120	Calc SC	2.5Y 6/2		COB	Poor	35	35	III	2				2
981	56	0-35	Calc SCL	10YR 4/2			35-55	Calc SC	2.5Y 5/2		COB	Poor	55-120	Calc SC	2.5Y 6/2		COB	Poor	35	35	III	2				2
982	56	0-40	Calc SCL	10YR 4/2			40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc SC	2.5Y 6/2		COB	Poor	40	40	III	2				2
983	58	0-35	Calc SCL	10YR 4/2			35-55	Calc SC	2.5Y 5/2		COB	Poor	55-120	Calc SC	2.5Y 6/2		COB	Poor	35	35	III	2				2
984	57	0-35	Calc SCL	10YR 4/2			35-50	Calc SC	2.5Y 5/2		COB	Poor	50-120	Calc SC	2.5Y 6/2		COB	Poor	35	35	III	2				2
985	56	0-30	Calc SCL	10YR 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	2				2
986	56	0-30	Calc SCL	10YR 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	2				2
987	56	0-35	Calc SCL	10YR 4/2		VFOB	35-60	Calc C	2.5Y 6/3		MOB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	2				2
988	58	0-30	Calc SCL	10YR 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	2				2
989	57	0-30	Calc SCL	10YR 4/2			30-50	Calc C	2.5Y 6/2		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	2				2
990	56	0-30	Calc SCL	10YR 4/3			30-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C+S	10Y 6/2		COB	Poor	30	30	III	2				2
991	56	0-35	Calc SCL	10YR 4/2		VFOB	35-60	Calc C	2.5Y 6/3		MOB	Poor	60-120	Calc C	10Y 6/2		VMOB	Poor	35	35	III	2				2
992	53	0-40	Calc SCL	10YR 4/2			40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	2				2
993	53	0-40	Calc mSL	10YR 4/2	2%	VFOB	30-55	Calc SC	2.5Y 5/2		FOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	2				2
994	53	0-40	Calc mSL	10YR 4/2	2%	VFOB	30-55	Calc SC	2.5Y 5/2		FOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	2				2
995	58	0-30	Calc SCL	10YR 4/2		VFOB	30-50	Calc C	2.5Y 6/3		MOB	Poor	50-120	Calc C	10Y 6/1		VMOB	Poor	30	30	III	2				2
996	57	0-30	Calc SCL	10YR 4/3			30-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C+S	10Y 6/2		COB	Poor	30	30	III	2				2
997	56	0-35	Calc SCL	10YR 4/3			35-60	Calc C	2.5Y 6/2		MOB	Poor	60-120	Calc C+S	10Y 6/2		COB	Poor	35	35	III	2				2
998	56	0-30	Calc SCL	10YR 4/2		VFOB	30-60	Calc C	2.5Y 6/3		MOB	Poor	60-120	Calc C	10Y 6/2		VMOB	Poor	30	30	III	2				2
999	56	0-35	Calc SCL	10YR 4/2		VFOB	35-60	Calc C	2.5Y 6/3		MOB	Poor	60-120	Calc C	10Y 6/2		VMOB	Poor	35	35	III	2				2
1000	56	0-40	Calc SCL	10YR 4/2			40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	2				2
1001	53	0-40	Calc SCL	10YR 4/2			40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	2				2
1002	53	0-35	Calc mSL	10YR 4/2	2%	VFOB	35-60	Calc SC	2.5Y 5/2		FOB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	2				2
1003	56	0-30	Calc SCL	10YR 4/1	2%	VFOB	30-50	SCL	2.5Y 6/1		MOB	Moderate	50-120	Calc C+S	10Y 6/1		MOB	Poor	50	30	III	2				2
1004	56	0-30	Calc SCL	10YR 4/1	2%	VFO	30-50	SCL	2.5Y 6/1		MOB	C Prism	50-120	Calc C+S	10Y 6/1		MOB	Massive	30	30	III	2				2
1005	56	0-30	Calc SCL	10YR 4/1	2%	VFOB	30-50	SCL	2.5Y 6/1		MOB	Moderate	50-120	Calc C+S	10Y 6/1		MOB	Poor	50	30	III	2				2
1006	56	0-35	Calc mSL	10YR 4/2		VFOB	35-50	Calc C	2.5Y 5/2		FOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	2				2
1007	54	0-30	Calc mSL	10YR 4/2		VFOB	30-50	Calc C	2.5Y 5/2		FOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	30	30	III	2	15.99	-0.85	2	2
1008	56	0-30	Calc SCL	10YR 4/1	2%		30-50	SCL	2.5Y 6/1		MOB	Moderate	50-120	Calc C+S	10Y 6/1		MOB	Poor	30	30	III	2				2
1009	56	0-35	Calc SCL	10YR 4/1	2%	VFOB	35-50	SCL	2.5Y 6/1		MOB	Moderate	50-120	Calc C+S	10Y 6/1		MOB	Poor	35	35	III	2				2
1010	56	0-35	Calc SCL	10YR 4/2			35-50	Calc SC	2.5Y 5/2		COB	Poor	50-120	Calc C+S	10Y 6/1		MOB	Poor	35	35	III	2				2
1011	56	0-40	Calc SCL	10YR 4/1			40-50	Calc SC	2.5Y 5/2		COB	Poor	50-120	Calc C+S	10Y 6/1		MOB	Poor	40	40	III	2				2
1012	56	0-40	Calc SCL	10YR 4/2			40-55	Calc SC	2.5Y 5/1		COB	Poor	55-120	Calc C+S	10Y 6/1		MOB	Poor	40	40	III	2				2
1013	55	0-35	Calc SCL	10YR 4/2			35-55	Calc SC	2.5Y 5/2		COB	Poor	55-120	Calc C+S	10Y 6/1		MOB	Poor	35	35	III	2				2
1014	54	0-40	SCL	10YR 5/3			40-60	Calc SC	2.5Y 5/2		MOB	Poor	60-120	Calc C	2.5Y 6/2		COB	Poor	40	40	III	3a				3a
1015	53	0-40	SCL	10YR 5/2			40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	2.5Y 6/2		COB	Poor	40	40	III	3a				3a
1016	53	0-35	SCL	10YR 5/2			35-60	Calc SC	2.5Y 5/1		COB	Poor	60-120	Calc C	2.5Y 6/2		COB	Poor	35	35	III	3a				3a
1017	53	0-35	SCL	10YR 5/3			35-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	2.5Y 6/2		COB	Poor	35	35	III	3a				3a
1018	54	0-40	SCL	10YR 4/3			40-55	Calc SC	2.5Y 5/3		VMOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1019	53	0-40	SCL	10YR 4/2			40-55	Calc SC	2.5Y 5/3		VMOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1020	53	0-40	SCL	10YR 4/3			40-60	Calc SC	2.5Y 5/2		MOB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1021	53	0-40	Calc C	10YR 3/2			40-65	SC	2.5Y 6/1		MOB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1022	52	0-40	Calc C	10YR 3/2			40-70	SC	2.5Y 6/1		MOB	Poor	70-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1023	53	0-40	Calc C	10YR 3/2			40-65	SC	2.5Y 6/1		MOB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1024	53	0-40	SCL	10YR 4/2			40-50	Calc C	2.5Y 5/3		VMOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1025	53	0-40	SCL	10YR 4/2			40-55	Calc C	2.5Y 5/2		VMOB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1026	53	0-40	SCL	10YR 4/2			40-50	Calc C	2.5Y 5/3		VMOB	Poor	50-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1027	53	0-40	Calc C	10YR 3/2			40-65	SC	2.5Y 6/1		MOB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1028	53	0-35	Calc C	10YR 3/2			35-70	SC	2.5Y 6/1		MOB	Poor	70-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a	13.95	-4.89	2	3a
1029	52	0-40	Calc C	10YR 3/2			40-65	SC	2.5Y 6/2		MOB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1030	50	0-40	Calc C	10YR 3/2			40-70	SC	2.5Y 6/1		MOB	Poor	70-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a

		Topsoil					Upper Subsoil						Lower Subsoil						Wetness Assesment			Grade	Droughtiness Assessment		Grade	Grade by
																			Depth to		Wetness	limit by	MB	MB	limit by	most limiting
Sample No	Altitude	Depth	Texture	Colour	Stoniness	Mottles	Depth	Texture	Colour	Stoniness	Mottles	Structure	Depth	Texture	Colour	Stoniness	Mottles	Structure	SPL	Gley	Class	Wetness	Wheat	Potato	Droughtiness	factor
1031	51	0-40	Calc C	10YR 3/2			40-70	SC	2.5Y 6/1		MOB	Poor	70-120	Calc C	10Y 6/1	2%	MOB	Poor	40	40	III	3a				3a
1032	52	0-35	Calc HCL	10YR 3/2			35-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
1033	53	0-35	Calc HCL	10YR 3/2			35-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
1034	52	0-40	SCL	10YR 5/3			40-70	Calc mSL	2.5Y 5/2	5%	COB	Poor	70-120	Calc SC	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1035	51	0-40	Calc C	10YR 3/2			40-70	SC	2.5Y 6/1		MOB	Poor	70-120	Calc C	10Y 6/1	2%	MOB	Poor	40	40	III	3a				3a
1036	50	0-40	Calc C	10YR 3/2			40-60	SC	2.5Y 6/2		MOB	Poor	60-120	Calc C	10Y 6/1	2%	MOB	Poor	40	40	III	3a				3a
1037	51	0-40	Calc C	10YR 3/2			40-70	SC	2.5Y 6/1		MOB	WCSAB	70-120	Calc C	10Y 6/1	2%	MOB	M Prism	40	40	III	3a				3a
1038	52	0-40	Calc HCL	10YR 3/2			40-65	Calc SC	2.5Y 5/2		COB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1039	51	0-40	Calc HCL	10YR 3/2			40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1040	53	0-40	Calc HCL	10YR 3/2			40-65	Calc SC	2.5Y 5/1		COB	Poor	65-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1041	50	0-35	SCL	10YR 5/3			35-65	Calc mSL	2.5Y 5/2	5%	COB	Poor	65-120	Calc SC	10Y 6/1		MOB	Poor	35	35	III	3a				3a
1042	50	0-40	SCL	10YR 5/3			40-70	Calc mSL	2.5Y 5/2	5%	COB	Poor	70-120	Calc SC	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1043	50	0-40	SCL	10YR 5/2			40-70	Calc mSL	2.5Y 5/2	5%	COB	Poor	70-120	Calc SC	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1044	50	0-40	SCL	10YR 5/3			40-70	Calc mSL	2.5Y 5/1	5%	COB	Poor	70-120	Calc SC	10Y 6/2		MOB	Poor	40	40	III	3a				3a
1045	50	0-40	Calc HCL	10YR 3/2			40-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1046	50	0-35	Calc HCL	10YR 3/2			35-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
1047	50	0-35	SCL	10YR 5/3			35-70	Calc mSL	2.5Y 5/2	5%	COB	Poor	70-120	Calc SC	10Y 6/2		MOB	Poor	35	35	III	3a				3a
1048	50	0-40	SCL	10YR 5/2			40-70	Calc mSL	2.5Y 5/2	5%	COB	Poor	70-120	Calc SC	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1049	50	0-40	SCL	10YR 5/3			40-70	Calc mSL	2.5Y 5/2	5%	COB	Poor	70-120	Calc SC	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1050	50	0-40	SCL	10YR 5/3			40-70	Calc mSL	2.5Y 5/2	5%	MOB	Poor	70-120	Calc SC	10Y 6/1		MOB	Poor	40	40	III	3a				3a
1051	50	0-35	Calc HCL	10YR 3/2			35-55	Calc SC	2.5Y 5/1		COB	Poor	55-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
1052	50	0-35	Calc HCL	10YR 3/2			35-60	Calc SC	2.5Y 5/2		COB	Poor	60-120	Calc C	10Y 6/1		MOB	Poor	35	35	III	3a				3a
	54.02																									

Appendix 4g – Trial Pit Descriptions

Long Stratton Map A

Sample Point No. 39		
Horizon 1	0-25cm Olive Brown (2.5Y 4/3) calcareous Clay. With 2% small-medium angular and subangular stones and very few ochreous mottles.	
Horizon 2	25-50cm Light Brownish Grey (2.5Y 6/2) calcareous Clay with a massive structure, very firm consistence and many ochreous mottles with few roots and biopores.	
Horizon 3	50-120cm Grey (10YR 6/1) calcareous Clay with a moderate subangular blocky structure. Firm consistence and very many ochreous mottles with few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 25cm – evidenced by firm massive structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 25cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	61.74	
MB potatoes	3.65	
Droughtiness Limitation	2	

Sample Point No. 68		
Horizon 1	0-45cm Dark Greyish Brown (10YR 4/2) Heavy Clay Loam. With 2% small-medium angular and subangular stones and very few ochreous and black mottles.	
Horizon 2	45-60cm Brown (10YR 5/3) calcareous medium Sandy Clay Loam with a weak coarse subangular blocky structure and friable consistence. With 2% small-medium angular and subangular stones and common ochreous and black mottles.	
Horizon 3	60-120cm Pale Brown (10YR 6/3) calcareous Clay with a coarse angular blocky structure. Firm consistence and many ochreous mottles with few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 45cm – evidenced by weak coarse subangular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 45cm evidenced by grey colours and ochreous mottles	
Wetness Class	II	
Wetness limitation	3a	
MB Wheat	20.24	
MB potatoes	-4.85	
Droughtiness Limitation	2	

Sample Point No. 152		
Horizon 1	0-30cm Dark Grey (10YR 4/1) calcareous Clay. 2% small-medium angular and subangular stones and few ochreous and black mottles.	
Horizon 2	30-50cm Grey (10YR 5/1) calcareous Heavy Clay Loam with coarse angular blocky structure, firm consistence and many ochreous mottles with very few roots and biopores.	
Horizon 3	50-120cm Light Grey (10YR 7/1) calcareous Heavy Clay Loam with a coarse prismatic structure. Firm consistence and many ochreous mottles with very few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by firm coarse angular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by grey ped faces and many ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	4.78	
MB potatoes	-15.31	
Droughtiness Limitation	3a	

Sample Point No. 190		
Horizon 1	0-30cm Very Dark Greyish Brown (10YR 3/2) calcareous Sandy Clay Loam. 2% small-medium angular and subangular stones.	
Horizon 2	30-65cm Grey (10YR 5/1) calcareous Sandy Clay with a weak coarse subangular blocky structure, very firm consistence and many ochreous mottles with very few roots and biopores. 5% small-medium angular and subangular stones	
Horizon 3	65-120cm Light Grey (10YR 7/1) calcareous Sandy Clay with a coarse prismatic structure. Very firm consistence and very many ochreous mottles with few roots and biopores. 5% small-medium angular and subangular stones	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by weak coarse subangular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by grey colours and many ochreous mottles	
Wetness Class	III	
Wetness limitation	2	
MB Wheat	17.78	
MB potatoes	-7.31	
Droughtiness Limitation	2	

Sample Point No. 334		
Horizon 1	0-30cm Dark Greyish Brown (10YR 4/2) calcareous Clay.	
Horizon 2	30-45cm Grey (10YR 5/1) calcareous Clay with a massive structure, with firm consistence and many ochreous mottles with few roots and biopores.	
Horizon 3	45-120cm Grey (10YR 6/1) Clay with a weak coarse subangular blocky structure and very many ochreous mottles with few roots and biopores, pockets of sand identified at various depths but not making up a horizon.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by a massive structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	7.74	
MB potatoes	-10.35	
Droughtiness Limitation	3a	

Sample Point No. 359		
Horizon 1	0-25cm Dark Greyish Brown (10YR 4/2) calcareous clay with few ochreous and black mottles.	
Horizon 2	25-45cm Greyish Brown (10YR 5/2) calcareous heavy clay loam with a medium prismatic structure, with weak consistence.	
Horizon 3	45-120cm Grey (N 6/) calcareous Clay with a massive structure. Very firm consistence and many ochreous mottles with few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 25cm – evidenced by a moderate prismatic structure with less than 0.5% biopores >0.5mm.	
Gleying	Starts at 25cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	3.74	
MB potatoes	-14.35	
Droughtiness Limitation	3a	

Sample Point No. 481		
Horizon 1	0-35cm Brown (10YR 4/3) medium sandy loam.	
Horizon 2	35-60cm Greyish Brown (10YR 5/2) calcareous sandy clay with a coarse prismatic structure and firm consistence. With 10% angular and subangular stones with common ochreous mottles.	
Horizon 3	60-120cm Grey (10YR 6/1) calcareous Clay with a weak coarse prismatic structure. Firm consistence and few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 35cm – evidenced by a coarse prismatic structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 35cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	2	
MB Wheat	10.74	
MB potatoes	-8.35	
Droughtiness Limitation	2	

Sample Point No. 507		
Horizon 1	0-30cm Dark Grey (10YR 4/1) calcareous sandy clay loam. With very few ochreous and black mottles.	
Horizon 2	30-100cm Yellowish Brown (10YR 5/4) calcareous sandy clay loam a coarse sub angular blocky structure, with friable consistence.	
Horizon 3	100-120cm Light Brownish Grey (2.5Y 6/2) calcareous Clay with a massive structure. Very firm consistence and many ochreous mottles with very few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 100cm – evidenced by a massive structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 100cm evidenced by grey colours and ochreous mottles	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	26.91	
MB potatoes	-3.28	
Droughtiness Limitation	2	

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Sample Point 27

Sample Point 78

Sample Point 109

Sample Point 133

Sample Point 182

Sample Point 245

Sample Point 290

Sample Point 399

Sample Point 315

Sample Point 459

Sample Point 486

Sample Point 502

Long Stratton Map B

Sample Point No. 538		
Horizon 1	0-35cm Dark Greyish Brown (10YR 4/2) Medium Sandy Loam. With 10% small-medium angular and subangular stones.	
Horizon 2	35-120cm Brown (10YR 5/3) Sandy Clay Loam with a coarse angular blocky structure, firm consistence and few ochreous mottles with few roots and biopores. 15% small-medium angular and subangular stones and few ochreous and black mottles.	
Pictures		
Horizon 1 	Horizon 2 	
Slowly permeable layer	Starts at 35cm – 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	2	
MB Wheat	9.08	
MB potatoes	-18.78	
Droughtiness Limitation	3a	

Sample Point No. 570		
Horizon 1	0-30cm Brown (10YR 5/3) medium sandy loam. With 15% small-medium angular and subangular stones.	
Horizon 2	30-120cm Brown (7.5YR 5/3) calcareous medium sandy loam with a single grain structure, very weak consistence. With 10% small-large angular and subangular stones.	
Pictures		
Horizon 1 	Horizon 2 	Stoniness 
Slowly permeable layer	Not present	
Gleying	Not present	
Wetness Class	I	
Wetness limitation	1	
MB Wheat	39.7	
MB potatoes	-2.46	
Droughtiness Limitation	2	

Sample Point No. 604		
Horizon 1	0-45cm Dark Greyish Brown (10YR 4/2) Medium Sandy Loam. 10% small-medium angular and subangular stones.	
Horizon 2	45-60cm Brown (7.5YR 4/3) Sandy Clay Loam with moderate subangular blocky structure, firm consistence and few ochreous mottles with very few roots and biopores.	
Horizon 3	60-120cm Grey (10YR 6/1) Clay with a massive structure, very firm consistence and many ochreous mottles with few roots and biopores. Pockets of sand evident in places	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 60cm – evidenced by clay with a firm massive structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 60cm evidenced by grey colours and ochreous mottles	
Wetness Class	II	
Wetness limitation	1	
MB Wheat	9.65	
MB potatoes	-12.16	
Droughtiness Limitation	3a	

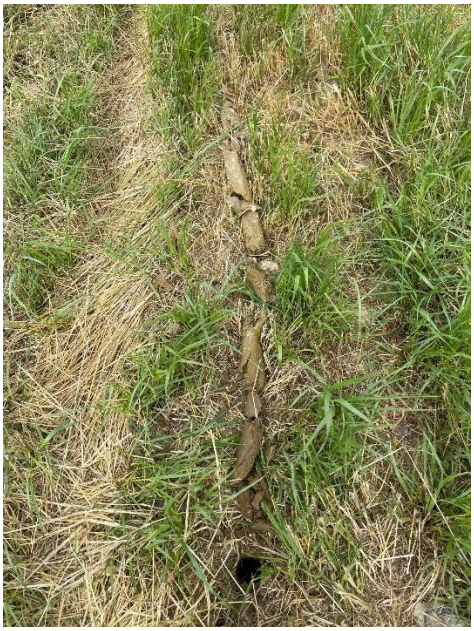
Sample Point No. 625		
Horizon 1	0-30cm Brown (10YR 4/3) calcareous medium sandy loam. With 15% small-medium angular and subangular stones.	
Horizon 2	30-120cm Brown (7.5YR 5/3) calcareous sandy clay loam a coarse prismatic structure, with weak consistence.	
Pictures		
Horizon 1 	Horizon 2 	Stoniness 
Slowly permeable layer	Starts at 30cm – evidenced by a coarse prismatic structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by pale colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	2	
MB Wheat	7.5	
MB potatoes	-17.66	
Droughtiness Limitation	3a	

Auger Core Photos

Sample Point 528

Sample Point 531

Sample Point 613



Sample Point 640

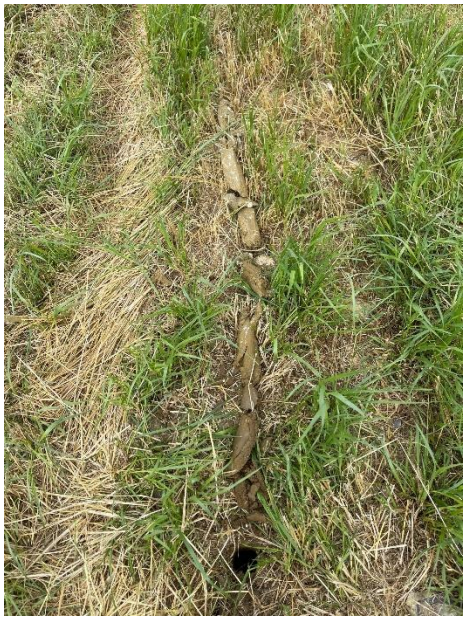
Long Stratton Map C	

Sample Point No. 648		
Horizon 1	0-30cm Dark Greyish Brown (10YR 4/2) Sandy Clay Loam. With 10% small-medium angular and subangular stones and few ochreous and black mottles.	
Horizon 2	30-60cm Light Olive Brown (2.5Y 5/3) Clay with a coarse angular blocky structure, firm consistence and many ochreous mottles with few roots and biopores. With 10% small-medium angular and subangular stones.	
Horizon 3	60-120cm Greenish Grey (10GY 6/1) calcareous Clay with a moderate subangular blocky structure, friable consistence and very many ochreous mottles with few roots and biopores. With 5% small-medium angular and subangular stones. Sandy pockets in places.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by firm coarse angular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by pale colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	-1.57	
MB potatoes	2.53	
Droughtiness Limitation	3a	

Sample Point No. 711		
Horizon 1	0-30cm Dark Greyish Brown (10YR 4/2) calcareous Sandy Clay Loam with few ochreous and black mottles. 5% small-medium angular and subangular stones.	
Horizon 2	30-120cm Greenish Grey (5GY 6/1) calcareous Clay with coarse prismatic structure, firm consistence and many ochreous and black mottles with very few roots and biopores. 5% small-medium angular and subangular stones.	
Pictures		
Horizon 1 	Horizon 2 	
Slowly permeable layer	Starts at 30cm – evidenced by firm coarse prismatic structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	2	
MB Wheat	11.93	
MB potatoes	-13.87	
Droughtiness Limitation	3a	

Sample Point No. 752		
Horizon 1	0-35cm Dark Greyish Brown (10YR 4/2) calcareous Heavy Clay Loam. With 5% small-medium angular and subangular stones and few ochreous and black mottles.	
Horizon 2	35-50cm Light Olive Brown (2.5Y 5/3) calcareous Sandy Clay with coarse prismatic structure, firm consistence and many ochreous mottles with no roots and biopores. 20% small-large angular and subangular stones.	
Horizon 3	50cm Impenetrable due to stone layer	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 35cm – evidenced by firm coarse prismatic structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 35cm evidenced by grey ped faces and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	15.68	
MB potatoes	-9.22	
Droughtiness Limitation	2	

Auger Core Photos



Sample Point 640

Sample Point 655

Sample Point 682

Sample Point 704

Sample Point 705

Sample Point 714

Sample Point 755

Long Stratton Map D

Sample Point No. 786		
Horizon 1	0-35cm Dark Greyish Brown (10YR 4/2) calcareous Sandy Clay. With 4% small-medium angular and subangular stones and few ochreous and black mottles.	
Horizon 2	35-90cm Grey (5Y 6/1) calcareous clay with a coarse prismatic structure, very firm consistence and many ochreous mottles with few roots and biopores. With 5% small-medium angular and subangular stones and few ochreous and black mottles.	
Horizon 3	90-100cm Yellowish Brown (10YR 5/8) Sand with a single grain structure. This was a large pocket of Sand followed by the same Grey clay.	
Horizon 4	100-120cm Grey (5Y 6/1) calcareous clay with a coarse prismatic structure, very firm consistence and many ochreous mottles with few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 35cm – evidenced by very firm coarse prismatic structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 35cm evidenced by grey ped faces and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	4.01	
MB potatoes	-11.26	
Droughtiness Limitation	3a	

Sample Point No. 817	
Horizon 1	0-40cm Dark Grey (10YR 4/1) calcareous medium sandy loam. With 10% small-medium angular and subangular stones and few ochreous and black mottles.
Horizon 2	40-120cm Grey (10YR 5/1) calcareous sandy clay with a massive structure, very firm consistence and very many ochreous mottles with few roots and biopores. With 5% small-medium angular and subangular stones.
Pictures	
Horizon 1 	Horizon 2 
Slowly permeable layer	Starts at 40cm – evidenced by a massive structure with no roots and biopores.
Gleying	Starts at 40cm evidenced by grey colours and ochreous mottles
Wetness Class	III
Wetness limitation	2
MB Wheat	14.21
MB potatoes	-10.06
Droughtiness Limitation	2

Sample Point No. 838		
Horizon 1	0-30cm Dark Greyish Brown (10YR 4/2) Sandy Clay Loam. With few ochreous and black mottles.	
Horizon 2	30-40cm Dark Greyish Brown (2.5Y 4/2) Heavy Clay Loam with very coarse weak subangular blocky structure, firm consistence and few ochreous mottles with no roots and biopores.	
Horizon 3	40-120cm Grey (5Y 6/1) calcareous Clay with a Massive structure. very firm consistence and very many ochreous mottles with few roots and biopores. With 2% medium to large angular and subangular stones.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by firm weak very coarse subangular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by grey ped faces and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	13.81	
MB potatoes	-0.46	
Droughtiness Limitation	2	

Auger Core Photos

Sample Point 805

Sample Point 841

Sample Point 851

Sample Point 868

Long Stratton Map E

Sample Point No. 876		
Horizon 1	0-30cm Dark Greyish Brown (10YR 4/2) calcareous Sandy Clay Loam. With few ochreous and black mottles.	
Horizon 2	30-60cm Light Olive Brown (2.5Y 5/3) calcareous Sandy Clay Loam. With coarse subangular blocky structure, friable consistence and few ochreous mottles with no roots and biopores.	
Horizon 3	60-120cm Greenish Grey (5BG 6/1) calcareous Clay with a Massive structure. very firm consistence, many ochreous mottles with few roots and biopores.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 60cm – evidenced by firm massive structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by pale colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	2	
MB Wheat	25.03	
MB potatoes	1.40	
Droughtiness Limitation	2	

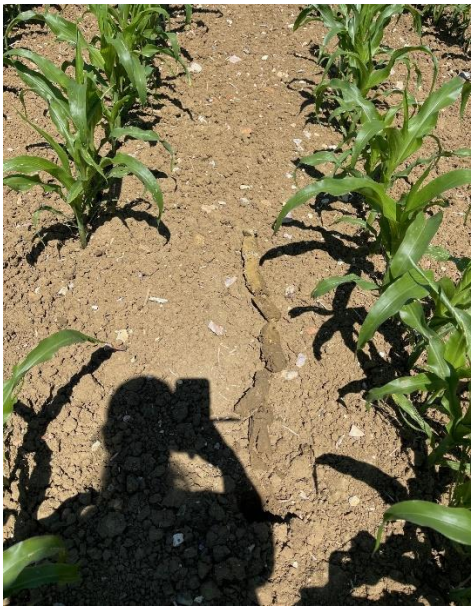
Sample Point No. 929		
Horizon 1	0-30cm Dark Greyish Brown (10YR 4/2) calcareous Sandy Clay Loam. With 7% small-medium angular and subangular stones and few ochreous and black mottles.	
Horizon 2	30-60cm Greyish Brown (10YR 5/2) calcareous Sandy Clay with weak coarse subangular blocky structure, very firm consistence and very many ochreous mottles with very few roots and biopores. With 5% small-medium angular stones.	
Horizon 3	60-120cm Greenish Grey (5BG 6/1) calcareous Sandy Clay with coarse subangular blocky structure and firm consistence. With many ocherous mottles, few roots and biopores with 5% small-medium angular stones.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by very firm coarse subangular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	2	
MB Wheat	37.03	
MB potatoes	3.40	
Droughtiness Limitation	2	

Sample Point No. 940		
Horizon 1	0-30cm Very Dark Greyish Brown (10YR 3/2) Sandy Clay Loam. With 5% small-medium angular and subangular stones and very few ochreous and black mottles.	
Horizon 2	30-90cm Light Olive Brown (2.5Y 5/3) Sandy Clay with weak coarse subangular blocky structure, very firm consistence and very many ochreous mottles with no roots and biopores. With 5% small-medium angular stones.	
Horizon 3	90-100cm Browish Yellow (10YR 6/6) medium Sand with single grain structure.	
Horizon 4	100-120cm Greenish Grey (5BG 6/1) calcareous Sandy Clay with coarse subangular blocky structure and firm consistence. With many ocherous mottles, few roots and biopores with 5% small-medium angular stones.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by very firm weak coarse subangular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by pale colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	29.63	
MB potatoes	1	
Droughtiness Limitation	2	

Sample Point No. 958		
Horizon 1	0-30cm Dark Greyish Brown (10YR 4/2) calcareous Sandy Clay Loam. With 3% small-medium angular and subangular stones and few ochreous and black mottles.	
Horizon 2	30-45cm Brown (10YR 5/3) calcareous Clay with coarse subangular blocky structure, firm consistence and many ochreous mottles with no roots and biopores. With 5% small-medium angular stones.	
Horizon 3	45-120cm Greenish Grey (5BG 6/1) calcareous Clay with Massive structure and firm consistence. With many ocherous mottles, few roots and biopores with 2% small-medium angular stones.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 45cm – evidenced by firm massive structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by pale colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	2	
MB Wheat	19.63	
MB potatoes	5	
Droughtiness Limitation	2	

Auger Core Photos

Sample Point 911



Sample Point 939

Sample Point 950

Sample Point 983

Long Stratton Map F

Sample Point No. 967		
Horizon 1	0-35cm dark grey (10YR 4/1) calcareous sandy clay loam. With 3% small-medium angular and subangular stones.	
Horizon 2	35-60cm light brownish grey (10YR 6/2) calcareous medium sandy loam with a coarse prismatic structure, firm consistence and many ochreous mottles	
Horizon 3	60-120cm grey (10YR 6/1) calcareous clay with a moderate prismatic structure, firm consistence and common ochreous mottles.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 60cm – evidenced by firm coarse prismatic structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 35cm evidenced by grey colours and ochreous mottles	
Wetness Class	II	
Wetness limitation	2	
MB Wheat	9.95	
MB potatoes	-9.89	
Droughtiness Limitation	2	

Sample Point No. 1004		
Horizon 1	0-30cm dark grey (10YR 4/1) calcareous sandy clay loam. With 2% small-medium angular and subangular stones with very few ochreous mottles.	
Horizon 2	30-50cm grey (2.5Y 6/1) sandy clay loam with a coarse prismatic structure, firm consistence and many ochreous mottles.	
Horizon 3	50-120cm greenish grey (10Y 6/1) calcareous clay with sand with a massive structure, firm consistence and many ochreous mottles.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 30cm – evidenced by firm coarse prismatic structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 30cm evidenced by grey colours and ochreous mottles	
Wetness Class	II	
Wetness limitation	2	
MB Wheat	11.07	
MB potatoes	-5.77	
Droughtiness Limitation	2	

Sample Point No. 1037		
Horizon 1	0-40cm very dark greyish brown (10YR 3/2) calcareous clay.	
Horizon 2	40-70cm grey (2.5Y 6/1) sandy clay with a weak coarse sub-angular blocky structure, very firm consistence and many ochreous mottles, very few roots and biopores	
Horizon 3	70-120cm greenish grey (10Y 6/1) calcareous clay with a medium prismatic structure, friable consistence and many ochreous mottles. With 2% small-medium subangular and angular stones.	
Pictures		
Horizon 1 	Horizon 2 	Horizon 3 
Slowly permeable layer	Starts at 40cm – evidenced by very firm weak coarse subangular blocky structure with less than 0.5% biopores >0.5mm	
Gleying	Starts at 40cm evidenced by grey colours and ochreous mottles	
Wetness Class	III	
Wetness limitation	3a	
MB Wheat	28.07	
MB potatoes	4.23	
Droughtiness Limitation	2	

Auger Photos

Sample Point 983

Sample Point 996

Sample Point 1019

ANALYTICAL REPORT

Report Number	**41816-24**	**W250**	**AMET PROPERTY**
Date Received	**28-JUN-2024**		**HENWICK BARN**
Date Reported	**10-JUL-2024**		**BULWICK**
Project	**SOIL**		**CORBY**
Reference	**LONG STRATTON D**		**NORTHANTS**
Order Number			**NN17 3DU**

Laboratory Reference		**SOIL703142**	**SOIL703143**	**SOIL703144**	**SOIL703145**						
Sample Reference		**786**	**863**	**805 SS**	**793**						
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**						
Coarse Sand 2.00-0.63mm	% w/w	4	3	2	4						
Medium Sand 0.63-0.212mm	% w/w	27	29	44	33						
Fine Sand 0.212-0.063mm	% w/w	19	20	33	23						
Silt 0.063-0.002mm	% w/w	19	19	6	17						
Clay <0.002mm	% w/w	31	29	15	23						
Textural Class **		SC	SCL	mSL	SCL						

Notes

Analysis Notes

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The results are presented on a dry matter basis unless otherwise stipulated.

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

Reported by [redacted]

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ANALYTICAL REPORT

Report Number	**41820-24**	**W250**	**AMET PROPERTY**
Date Received	**28-JUN-2024**		**HENWICK BARN**
Date Reported	**27-AUG-2024**		**BULWICK**
Project	**SOIL**		**CORBY**
Reference	**LONG STRATTON E**		**NORTHANTS**
Order Number			**NN17 3DU**

Laboratory Reference		**SOIL703160**	**SOIL703161**	**SOIL703162**	**SOIL703163**						
Sample Reference		**929 SS**	**958**	**876**	**876 SS**						
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**						
Coarse Sand 2.00-0.63mm	% w/w	7	3	3	1						
Medium Sand 0.63-0.212mm	% w/w	24	28	30	40						
Fine Sand 0.212-0.063mm	% w/w	20	24	20	29						
Silt 0.063-0.002mm	% w/w	17	17	17	10						
Clay <0.002mm	% w/w	32	28	30	20						
Neutralising Value as CaCO3 eq.	% w/w	1.4	3.4	1.7	2.8						
Neutralising Value as CaO eq.	% w/w	<1	1.9	<1	1.5						
Textural Class **		SC	SCL	SC/SCL	SCL						

Notes

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ANALYTICAL REPORT

Report Number	**46275-24**	**W250**	**AMET PROPERTY**	**Client**	**ISLAND GREEN POWER**
Date Received	**05-AUG-2024**		**HENWICK BARN**		**LONG STRATTON**
Date Reported	**02-SEP-2024**		**BULWICK**		
Project	**SOIL**		**CORBY**		
Reference	**ISLAND GREEN POWER**		**NORTHANTS**		
Order Number			**NN17 3DU**		

Laboratory Reference		**SOIL706732**	**SOIL706733**	**SOIL706734**	**SOIL706735**	**SOIL706736**	**SOIL706737**				
Sample Reference		**L5C 768**	**L5B 605**	**L5B 625 SS**	**L5C 648**	**L5B 582**	**L5C 71155**				
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**				
Coarse Sand 2.00-0.63mm	% w/w	6	6	5	15	8	1				
Medium Sand 0.63-0.212mm	% w/w	22	45	30	30	41	30				
Fine Sand 0.212-0.063mm	% w/w	14	20	22	12	23	19				
Silt 0.063-0.002mm	% w/w	24	13	14	20	14	16				
Clay <0.002mm	% w/w	34	16	29	23	14	34				
Textural Class **		HCL	mSL	SCL	SCL	mSL	SC				

Notes

Analysis Notes

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ANALYTICAL REPORT

Report Number	**46276-24**	**W250**	**AMET PROPERTY**	**Client**	**ISLAND GREEN POWER**
Date Received	**05-AUG-2024**		**HENWICK BARN**		**LONG STRATTON**
Date Reported	**09-SEP-2024**		**BULWICK**		
Project	**SOIL**		**CORBY**		
Reference	**ISLAND GREEN POWER**		**NORTHANTS**		
Order Number			**NN17 3DU**		

Laboratory Reference		**SOIL706738**	**SOIL706739**	**SOIL706740**	**SOIL706741**	**SOIL706742**	**SOIL706743**				
Sample Reference		**L5C 752**	**L5A 114**	**L5B 545**	**L5A 152**	**L5A 145 55**	**L5A 109 55**				
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**				
Coarse Sand 2.00-0.63mm	% w/w	4	6	4	2	3	4				
Medium Sand 0.63-0.212mm	% w/w	29	37	47	20	38	15				
Fine Sand 0.212-0.063mm	% w/w	15	23	22	13	16	9				
Silt 0.063-0.002mm	% w/w	21	17	13	24	18	35				
Clay <0.002mm	% w/w	31	17	14	41	25	37				
Textural Class **		HCL	mSL	mSL	C	SCL	C				

Notes

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ANALYTICAL REPORT

Report Number	**48506-24**	**W250**	**AMET PROPERTY**	**Client**	**ISLAND GREEN POWER**
Date Received	**19-AUG-2024**		**HENWICK BARN**		
Date Reported	**09-SEP-2024**		**BULWICK**		
Project	**LONG STRATTON**		**CORBY**		
Reference	**ISLAND GREEN POWER**		**NORTHANTS**		
Order Number			**NN17 3DU**		

Laboratory Reference		**SOIL708402**	**SOIL708403**	**SOIL708404**	**SOIL708405**	**SOIL708406**	**SOIL708407**				
Sample Reference		**LSA 486 SS2**	**LSA 419 SS1**	**LSA 472**	**LSA 207**	**LSA 208**	**LSA 232 SS1**				
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**				
Coarse Sand 2.00-0.63mm	% w/w	4	3	4	2	2	2				
Medium Sand 0.63-0.212mm	% w/w	16	54	36	19	37	48				
Fine Sand 0.212-0.063mm	% w/w	17	24	30	16	20	23				
Silt 0.063-0.002mm	% w/w	38	14	20	26	18	9				
Clay <0.002mm	% w/w	25	5	10	37	23	18				
Textural Class **		MCL	LmS	mSL	C	SCL	SCL/mSL				

Notes

Analysis Notes

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ANALYTICAL REPORT

Report Number	**48507-24**	**W250**	**AMET PROPERTY**	**Client**	**ISLAND GREEN POWER**
Date Received	**19-AUG-2024**		**HENWICK BARN**		
Date Reported	**14-SEP-2024**		**BULWICK**		
Project	**LONG STRATTON**		**CORBY**		
Reference	**ISLAND GREEN POWER**		**NORTHANTS**		
Order Number			**NN17 3DU**		

Laboratory Reference		**SOIL708408**	**SOIL708409**	**SOIL708410**	**SOIL708411**	**SOIL708412**	**SOIL708413**				
Sample Reference		**LSA 359 SS1**	**LSA 39**	**LSA 56 SS1**	**LSA 507**	**LSA 67**	**LSA 409**				
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**	**SOIL**				
Coarse Sand 2.00-0.63mm	% w/w	7	4	2	6	4	3				
Medium Sand 0.63-0.212mm	% w/w	6	21	27	35	30	26				
Fine Sand 0.212-0.063mm	% w/w	11	15	22	22	24	18				
Silt 0.063-0.002mm	% w/w	46	22	22	17	19	23				
Clay <0.002mm	% w/w	30	38	27	20	23	30				
Textural Class **		HCL	C	SCL	SCL	SCL	HCL				

Notes

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ANALYTICAL REPORT

Report Number	**51900-24**	**W250**	**AMET PROPERTY**
Date Received	**09-SEP-2024**		**HENWICK BARN**
Date Reported	**23-SEP-2024**		**BULWICK**
Project	**SOIL**		**CORBY**
Reference	**LONG STRATTON**		**NORTHANTS**
Order Number			**NN17 3DU**

Laboratory Reference		**SOIL710855**	**SOIL710856**	**SOIL710857**	**SOIL710858**						
Sample Reference		**LSF 967**	**LSF 1019**	**LSF 967 SS1**	**LSF 1004 SS1**						
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**	**SOIL**						
Coarse Sand 2.00-0.63mm	% w/w	4	3	5	4						
Medium Sand 0.63-0.212mm	% w/w	28	32	38	37						
Fine Sand 0.212-0.063mm	% w/w	21	24	27	24						
Silt 0.063-0.002mm	% w/w	19	17	14	16						
Clay <0.002mm	% w/w	28	24	16	19						
Textural Class **		SCL	SCL	mSL	SCL						

Notes

Analysis Notes

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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 6a - Map of ALC Grade

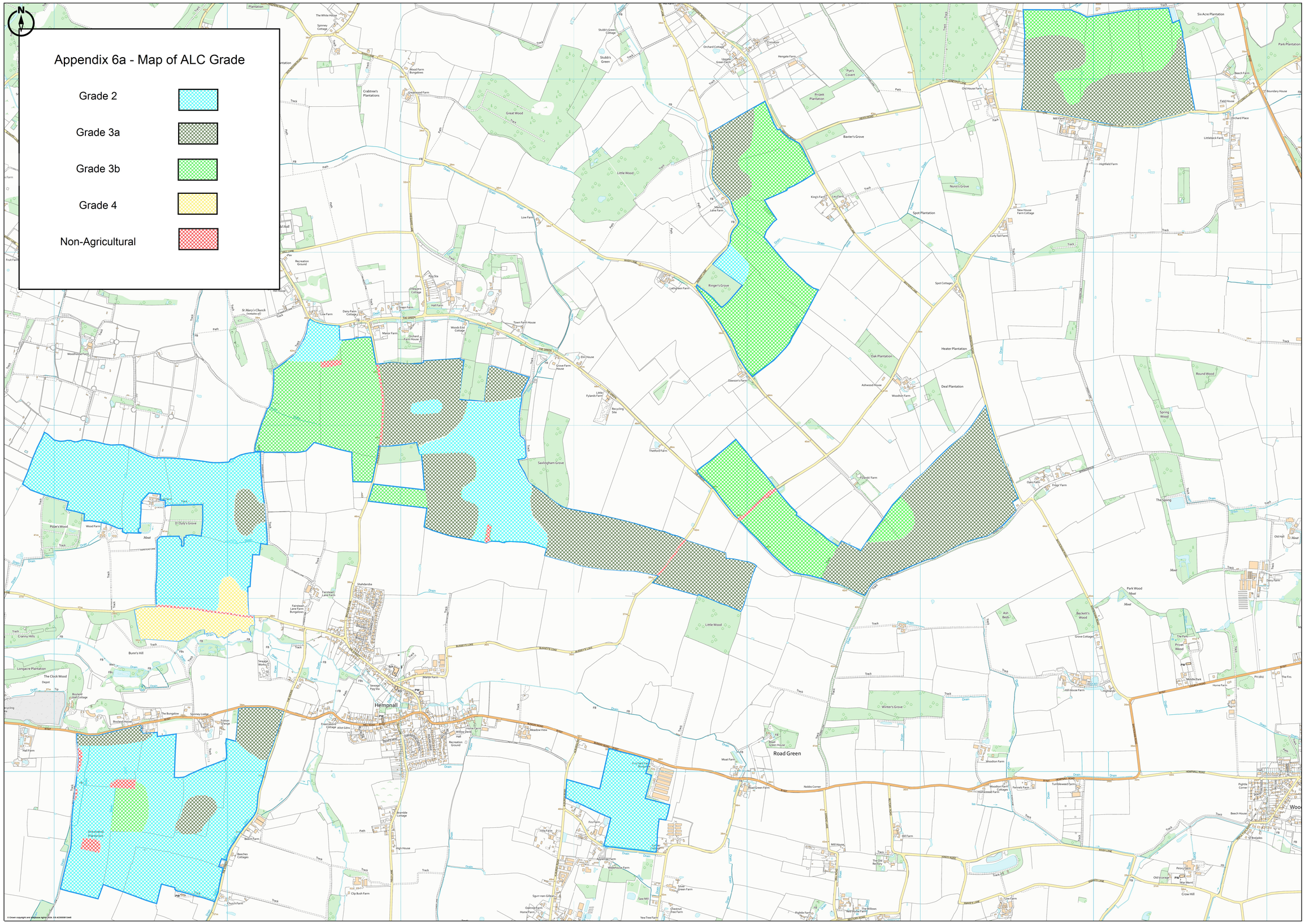
Grade 2

Grade 3a

Grade 3b

Grade 4

Non-Agricultural



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Plotted Scale - 1:10000. Paper Size - A1

Appendix 6b - Map of ALC Grade

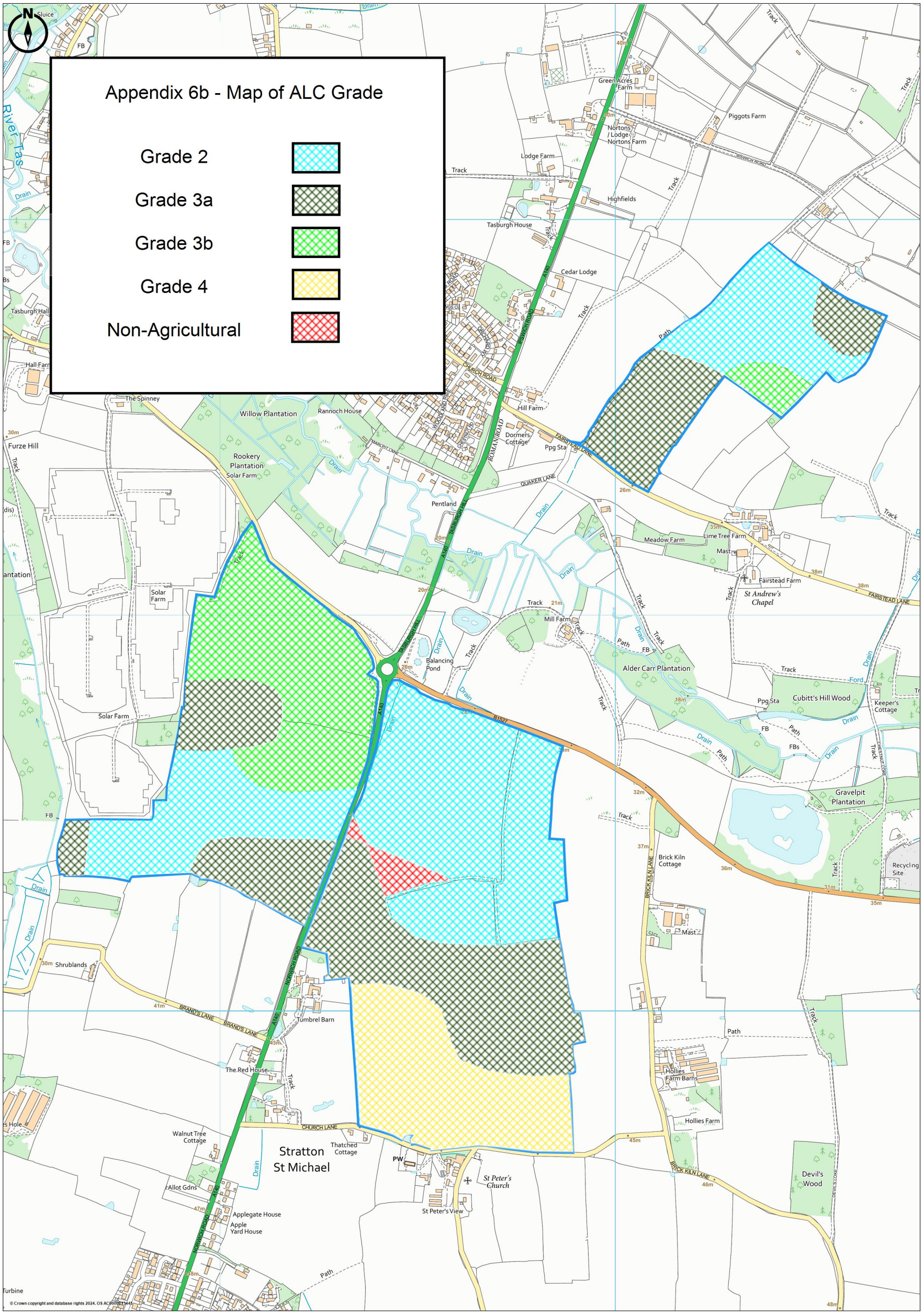
Grade 2

Grade 3a

Grade 3b

Grade 4

Non-Agricultural



Promap
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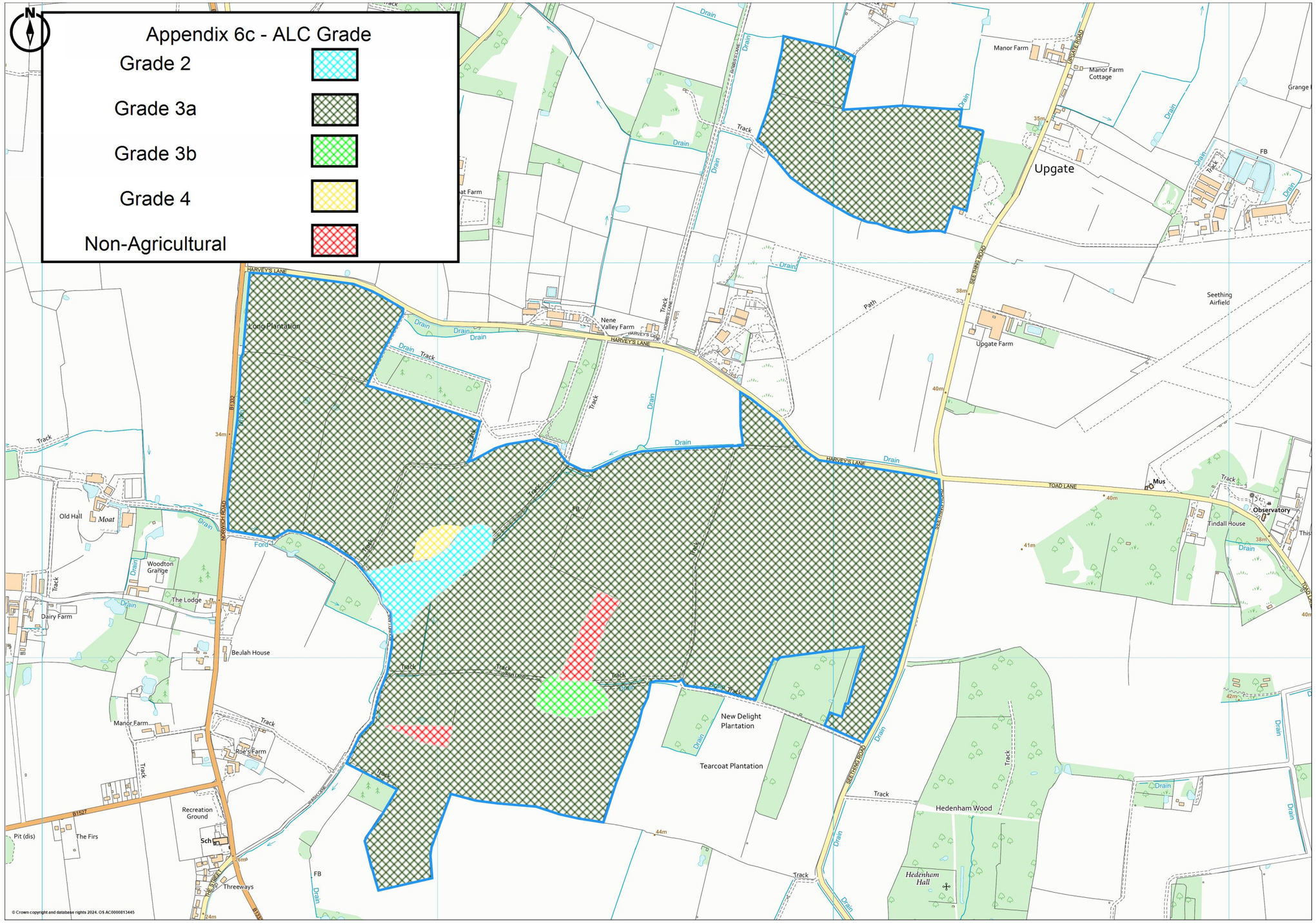
Plotted Scale - **1:10000**. Paper Size - **A3**



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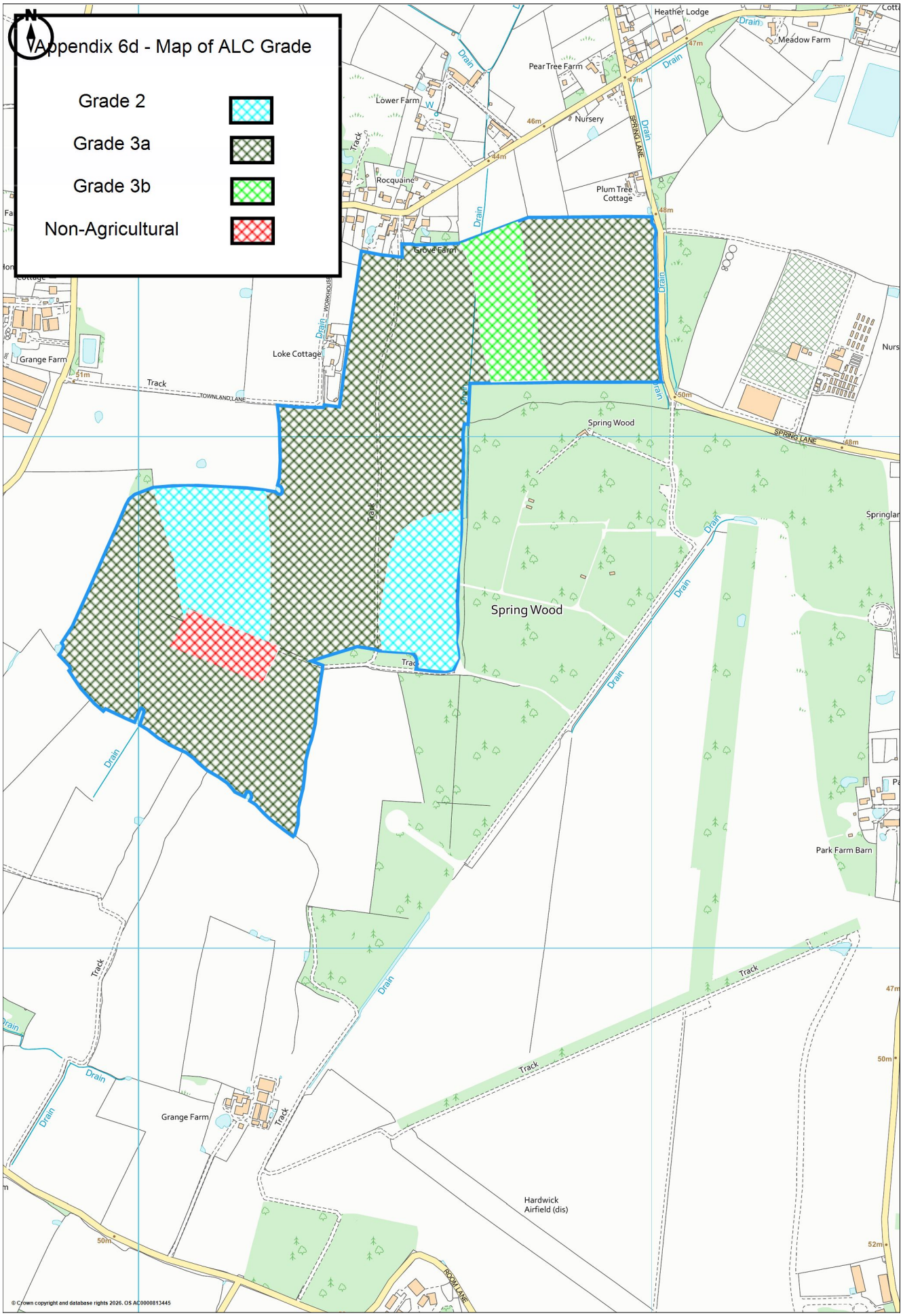
Plotted Scale - **1:10000**. Paper Size - **A3**



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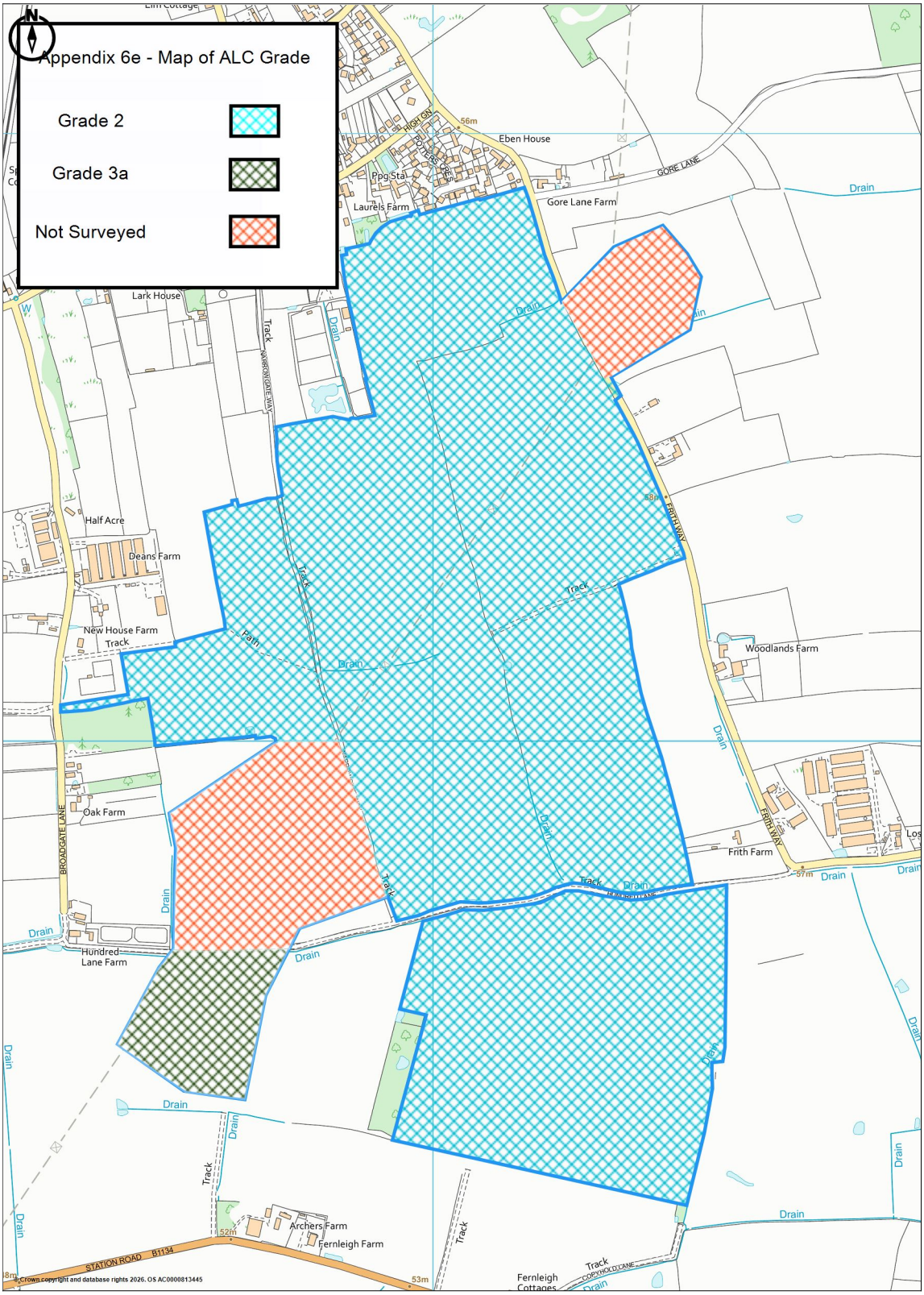
Plotted Scale - **1:10000**. Paper Size - **A4**



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Plotted Scale - **1:10000**. Paper Size - **A4**