Proposed Solar PV Development

Byers Gill Solar
EN010139

6.4.9.1 Environmental Statement Appendix 9.1 Agricultural Land Classification and Soil Resources

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Agricultural Land Classification and Soil Resources

at

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1 Introduction

1.1 Reading Agricultural Consultants Ltd (RAC) is instructed by JBM Solar (UK) Ltd to investigate the Agricultural Land Classification (ALC) and soil resources across land proposed for the siting of Byers Gill Solar Farm, between Newton Aycliffe and Stockton on Tees, by means of a detailed survey of soil and site characteristics.

1.2 Guidance for assessing the quality of agricultural land in England and Wales is set out in the Ministry of Agriculture, Fisheries and Food (MAFF) revised guidelines and criteria for grading the quality of agricultural land[1], and summarised in Natural England's Technical Information Note 049[2].

1.3 Agricultural land in England and Wales is graded between 1 and 5, depending on the extent to which physical or chemical characteristics impose long-term limitations on agricultural use. The principal physical factors influencing grading are climate, site conditions and soil which, together with interactions between them, form the basis for classifying land into one of the five grades.

1.4 Grade 1 land is excellent quality agricultural land with very minor or no limitations to agricultural use. Grade 2 is very good quality agricultural land, with minor limitations which affect crop yield, cultivations or harvesting. Grade 3 land has moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield, and is subdivided into Subgrade 3a (good quality land) and Subgrade 3b (moderate quality land). Grade 4 land is poor quality agricultural land with severe limitations which significantly restrict the range of crops and/or level of yields. Grade 5 is very poor quality land, with very severe limitations which restrict use to permanent pasture or rough grazing.

1.5 Land which is classified as Grades 1, 2 and 3a in the ALC system is defined as best and most versatile (BMV) agricultural land.

1.6 As explained in Natural England's TIN049, the whole of England and Wales was mapped from reconnaissance field surveys in the late 1960s and early 1970s, to provide general strategic guidance on agricultural land quality for planners. This Provisional Series of maps was published

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

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

on an Ordnance Survey base at a scale of One Inch to One Mile (1:63,360). The Provisional ALC map shows the land between Newton Aycliffe and Stockton on Tees as Grade 3. However, TIN049 explains that:

> *"These maps are not sufficiently accurate for use in assessment of individual fields or development sites, and should not be used other than as general guidance. They show only five grades: their preparation preceded the subdivision of Grade 3 and the refinement of criteria, which occurred after 1976. They have not been updated and are out of print. A 1:250 000 scale map series based on the same information is available. These are more appropriate for the strategic use originally intended …"*

1.7 TIN049 goes on to explain that a definitive ALC grading should be obtained by undertaking a detailed survey according to the published guidelines, at an observation density of one boring per hectare. This survey follows the detailed methodology set out in the ALC guidelines.

2 Site and climatic conditions

General features, land form and drainage

2.1 The total site area extends to 490.2ha, of which 33ha comprises non-agricultural land at the existing Norton substation as well as short sections of existing highways.

Panel Area A: Brafferton

2.2 Panel Area A is characterised by mixed-use agricultural land, generally comprising grassland in the west and arable land in the east.

2.3 The topography largely centres around a shallow valley which directs water into the River Skerne. Altitudes range from around 65m above Ordnance Datum (AOD) in the south-west to around 95m AOD in the north-east. The slopes are typically shallow.

Panel Area B: Hauxley Farm

2.4 The land in Panel Area B is under arable cultivation.

2.5 The main topographic feature is a hilltop in the north. The land slopes down from north to south from altitudes of around 110m AOD to 90m AOD. The slopes are shallow and help to drain the land toward Byers' Gill.

Panel Area C: Byers' Gill Wood

2.6 The land within Panel Area C is mainly under arable use. A small area north of Byers' Gill Wood is under permanent grass.

2.7 There is a general fall in altitude from around 100m AOD in the north to 65m AOD in the south. The landform undulates across the slopes which facilitate drainage of the site in addition to Byers' Gill.

Panel Area D: Great Stainton

2.8 The north of Panel Area D is under permanent grassland but most of the area is in arable use.

2.9 The site occupies an overall south-facing slope with altitudes falling from 90m AOD in the north, to around 60m AOD in the south. There is a large central plateau at around 70m AOD.

2.10 Drainage is via the slope which directs water to Little Stainton Beck.

Panel Area E: West of Bishopton

2.11 Panel Area E comprises two large arable fields.

2.12 The Area occupies a shallow east-facing slope. Altitudes are between 55m and 60m AOD.

2.13 The land drains to the east into Bishopton Beck.

Panel Area F: North of Bishopton

2.14 The land at Panel Area F is under arable cultivation.

2.15 The topography across much of the east and south is largely level at around 55m AOD. Land in the north and west slopes down into the valley containing Bishopton Beck at around 40m AOD.

2.16 Drainage of the land is via the slopes and the beck.

Agro-climatic conditions

2.17 Agro-climatic data for each of the sites have been interpolated from the Meteorological Office's standard 5km grid point data set at representative altitudes, and are given in Table 1. Rainfall is moderate to low across all six Panel Areas. Accumulated temperatures in Panel Areas A to D are cold, and are cool in Panel Areas E and F. Moisture deficits are moderate. The numbers of Field Capacity Days are slightly larger than is average for lowland England (150) and are slightly unfavourable for providing opportunities for agricultural field work. There is an overriding climatic limitation to Grade 2 at Panel Areas A, B, C and D.

Table 1: Local agro-climatic conditions

Parameter	Value							
	Panel Area A	**Panel Area B**	**Panel Area C**	**Panel Area D**	**Panel Area E**	**377-386**	**387-389**	**Panel Area F**
Easting	430000	432500	433140	434200	435750	436900	438800	436800
Northing	520700	521850	520600	521800	521000	520800	521400	522100
Altitude (m AOD)	75	105	75	70	60	45	50	50
Average Annual Rainfall (mm)	663	684	661	657	644	625	608	631
Accumulated Temperatures >0°C (day°)	1,294	1,259	1,294	1,299	1,311	1,327	1,321	1,321
Field Capacity Days	165	167	161	161	156	153	148	155
Average Moisture Deficit, wheat (mm)	94	89	94	95	96	99	99	98
Average Moisture Deficit, potatoes (mm)	81	75	81	82	84	87	88	87

Soil parent material and soil type

2.18 The bedrock geology mapped by the British Geological Survey[3] across most of Panel Area A, all of Panel Area B, the north and south of Panel Area C, the west and south of Panel Area D, and the east of Panel Area F is interbedded limestone and subordinate sandstone belonging to the Yoredale Group.

2.19 Limestone of the Seaham Formation, edged by calcareous mudstone of the Edlington Formation, is mapped across the east of Panel Area A, the centre of Panel Area C, the east of Panel Area D, all of Panel Area E and the west of Panel Area F is. Calcareous mudstone (of the Roxby Formation) is also mapped across the centre of Panel Area F.

2.20 Till forms a swathe of superficial deposits overlying the bedrock of the region, and includes a heterogenous mix of clay, sand, gravel and boulders. Deposits of alluvium are mapped in conjunction with the valleys and watercourses. There are pockets of lacustrine deposits of clay and silt, and glaciofluvial deposits of sand and gravel, mapped throughout the collective panel areas.

2.21 The Soil Survey of England and Wales soil association mapping[4] (1:250,000 scale) shows a prevalence of the Crewe and Clifton associations across the Panel Areas and in the general locality, with alluvial Hollington association soils also mapped at West Newbiggin.

[3] **British Geological Survey (2023).** *BGS Geology Viewer*, https://www.bgs.ac.uk/map-viewers/bgs-geology-viewer/

[4] **Soil Survey of England and Wales (1984).** *Soils of Northern England* (1:250,000), Sheet 1

2.22 The Crewe association is characterised by reddish, clayey and fine loamy over clayey soils which are slowly permeable and seasonally waterlogged, in Wetness Class (WC) IV.

2.23 The Clifton association includes reddish, fine and coarse loamy soils which are also slowly permeable and in WC IV.

2.24 The Hollington association develops in river alluvium and is affected by groundwater such that profiles are in WC IV or V[5].

3 Agricultural land quality

Soil survey methods

3.1 In total, 413 soil profiles were examined across all Panel Areas and the cable routes using an Edelman (Dutch) auger at an observation density of approximately one per hectare in accordance with the established recommendations for ALC surveys[2]. Four soil pits were also excavated to examine subsoil structures and stone content. The locations of observations are indicated on Figure RAC/9514/1. At each observation point the following characteristics were assessed for each soil horizon up to a maximum of 120cm or any impenetrable layer:

- soil texture;
- stone content;
- colour (including localised mottling);
- consistency;
- structural condition;
- free carbonate; and
- depth.

3.2 Thirteen topsoil samples were submitted for laboratory determination of particle size distribution, pH, organic matter content and nutrient contents (P, K, Mg). Results are presented in Appendix 1.

[5] **Jarvis et al (1984).** *Soils and Their Use in Northern England*. Soil Survey of England and Wales Bulletin 10, Harpenden.

3.3 Soil Wetness Class (WC) was determined from the matrix colour, presence or absence of, and depth to, greyish and ochreous gley mottling, and slowly permeable subsoil layers at least 15cm thick, in relation to the number of Field Capacity Days at the location.

3.4 Soil droughtiness was investigated by the calculation of moisture balance equations (given in Appendix 2). Crop-adjusted Available Profile Water (AP) is estimated from texture, stoniness and depth, and then compared to a calculated moisture deficit (MD) for the standard crops wheat and potatoes. The MD is a function of potential evapotranspiration and rainfall. Grading of the land can be affected if the AP is insufficient to balance the MD and droughtiness occurs.

Agricultural land classification and site limitations

3.5 Assessment of agricultural land quality has been carried out according to the revised ALC guidelines[1]. Soil profiles have been described according to Hodgson[6] which is the recognised source for describing soil profiles and characteristics according to the revised ALC guidelines.

3.6 Across all Panel Areas, the main limitation to the agricultural land quality is soil wetness which primarily limits land to Subgrade 3b, with smaller areas of Subgrade 3a. The ALC distribution across the six Panel Areas and the cable routes is shown in Figure RAC/9514/2. The soils at each Panel Area are detailed in turn below.

Panel Area A: Brafferton

3.7 The main soil type includes topsoil textures predominantly of medium clay loam or heavy clay loam across the centre and north of the Panel Area, and heavy clay loam or clay across the south-east. Instances of sandy clay loam also present throughout. The average depth is 30cm. The topsoil is very dark greyish brown or dark greyish brown (10YR3/2 or 10YR4/2 in the Munsell soil colour charts[7]). The topsoil is well rooted and includes many visible macropores. Most of the topsoil across the Panel Area is mottled with ochreous markings which indicate intermittent wet conditions in the topsoil. The structure is moderately well developed and forms medium subangular blocky peds. There is no notable stone content.

3.8 In the main soil type, the topsoil often directly overlies clay subsoil, or otherwise there is a transitional thin upper subsoil usually of heavy clay loam. The subsoil is most commonly dark greyish brown or brown (10YR4/2, 10YR5/3 or 7.5YR5/3), reddish brown (5YR5/3) or occasionally more grey, free of stones and distinctly mottled. The consistency is very firm and the structure is

[6] **Hodgson, J. M. (Ed.) (1997).** *Soil survey field handbook.* Soil Survey Technical Monograph No. 5, Silsoe.

[7] **Munsell Color (2009).** *Munsell Soil Color Book*. Grand Rapids, MI, USA

coarse angular blocky. The subsoil is slowly permeable and the profiles are in WC IV. All profiles of the main soil type are limited by wetness to Subgrade 3b.

3.9 Secondary soil types have similar properties. The topsoil is medium clay loam or sandy clay loam which is very dark greyish brown or dark greyish brown (10YR3/2 or 10YR4/2) and variably mottled. There are no stones in the topsoil. The upper subsoil is dark greyish brown or brown (10YR4/2 or 10YR5/3) heavy clay loam, clay or occasionally sandy clay loam. The upper subsoil is distinctly mottled and is gleyed but permeable. The upper subsoil passes to predominantly clay lower subsoil which is of similar colour to the upper subsoil, or occasionally dark grey (10YR4/1), greyish brown (10YR5/2) or brown (7.5YR5/3). The lower subsoil is also stoneless and distinctly mottled. In most cases, the lower subsoil is slowly permeable. Most of the profiles in this type are in WC III and are limited by wetness to Subgrade 3a. Where there is no slowly permeable layer, the profiles are in WC II and limited less severely to Grade 2, although these profiles occur in isolation and are not mapped. There is also an overriding climatic limitation to Grade 2.

3.10 The areas of each ALC grade at Panel Area A are given in Table 2.

Table 2: ALC areas – Panel Area A

Grade	Description	Area (ha)	%
Subgrade 3a	Good quality	18.9	16
Subgrade 3b	Moderate quality	95.8	84
	Total	114.7	100

Panel Area B: Hauxley Farm

3.11 The topsoil within Panel Area B is largely uniform, comprising dark greyish brown (10YR4/2) clay, or occasionally heavy clay loam, of 31cm average depth. The topsoil is mottled to variable degrees and is commonly gleyed. The topsoil is very slightly stony with a stone content of around 1%.

3.12 The upper subsoil is clay which is most often greyish brown or brown (10YR5/2 or 10YR5/3), but dark greyish brown (10YR4/2), brown (7.5YR5/3) and light brownish grey (10YR6/2) are also noted. Occasionally the clay passes to grey (10YR6/1) at depth. The subsoil is similarly very slightly stony (1%) and is distinctly mottled throughout. The subsoil is slowly permeable and the profiles are in WC IV. There is a wetness limitation to Subgrade 3b across Panel Area B.

3.13 The ALC of Panel Area B is shown in Table 3.

Table 3: ALC areas – Panel Area B

Grade	Description	Area (ha)	%
Subgrade 3b	Moderate quality	53.2	100
	Total	53.2	100

Panel Area C: Byers' Gill Wood

3.14 The topsoil within Panel Area C is largely uniform, comprising dark brown or dark greyish brown (7.5YR3/3 or 10YR4/2) clay or heavy clay loam. There is one instance of medium clay loam. The average depth is 31cm. The stone content is low at between around 1% to 5% by volume. The topsoil is firm and has a weakly developed, medium subangular blocky structure. The topsoil is variably mottled across the Panel Area.

3.15 The upper subsoil is clay which is predominantly reddish brown or brown (5YR5/3, 7.5YR5/3 or 10YR5/3) but there are instances of grey (5YR5/1) and greyish brown (10YR5/2). The upper subsoil is distinctly or prominently mottled in all locations and is very slightly stony (1%). The subsoil has a very firm consistency and forms coarse angular blocky peds. The clay subsoil across Panel Area C is slowly permeable. The profiles are in WC IV, or rarely in WC III. With heavy topsoils, there is a wetness limitation to Subgrade 3b. One profile in WC III with medium clay loam topsoil is limited to a lesser extent, to Subgrade 3a.

3.16 The areas of each ALC grade at Panel Area C are given in Table 4.

Table 4: ALC areas – Panel Area C

Grade	Description	Area (ha)	%
Subgrade 3a	Good quality	1.0	1
Subgrade 3b	Moderate quality	78.9	99
	Total	79.9	100

Panel Area D: Great Stainton

3.17 The topsoil is heavy clay loam or clay of 31cm average depth. The topsoil is primarily brown or dark greyish brown (7.5YR4/2 or 10YR4/2). The topsoil is variably mottled and in areas is gleyed. The topsoil stone content is low at around 1%.

3.18 The upper subsoil is mainly reddish brown or brown (5YR5/3, 7.5YR5/3 or 10YR5/3) clay. There are isolated occurrences of other colours. The stone content continues to be very low at around 1%. Across the Panel Area, the upper subsoil is distinctly or prominently mottled and is gleyed. In most profiles, the clay is slowly permeable from immediately beneath the topsoil and the

profiles are in WC IV. Some profiles are permeable to between 45cm and 60cm depth and are in WC III. With heavy topsoil, all profiles are limited by wetness to Subgrade 3b.

3.19 There is a gradual boundary between the main soils and a secondary soil type in the very north of the Panel Area. There is a deep (average 36cm) topsoil layer of brown or dark greyish brown (7.5YR4/2 or 10YR4/2) sandy clay loam. There are many mottles in the topsoil which is gleyed in all cases. The upper subsoil is sandy clay loam or sandy loam which is mainly brown (7.5YR5/3), with one instance each of reddish brown (5YR5/3) and grey (10YR6/1). The upper subsoil is gleyed, but inherently permeable. In three profiles, there is a distinguishable lower subsoil of brown or reddish brown (7.5YR5/3 or 5YR5/3) sandy clay or clay which is firm and slowly permeable. The profiles are mainly in WC II or III and are limited by wetness to Subgrade 3a.

3.20 The one profile that includes the distinctly grey upper subsoil is at the foot of a slope in an area characterised by Juncus and coarse grasses. There is likely to be an additional wetness limitation in conjunction with high groundwater/run-off in this instance, and the profile is assessed as Subgrade 3b.

3.21 The areas of each ALC grade at Panel Area D are given in Table 5.

Table 5: ALC areas – Panel Area D

Grade	Description	Area (ha)	%
Subgrade 3a	Good quality	3.4	4
Subgrade 3b	Moderate quality	72.5	96
	Total	75.9	100

Panel Area E: West of Bishopton

3.22 The topsoil is dark greyish brown (10YR4/2) clay or, occasionally in the west, heavy clay loam of 29cm average depth. There are ochreous mottles in the topsoil across the Panel Area: in the south-west, north-west and north-eastern corners of the Panel Area, the topsoil is gleyed. The topsoil was noted from an excavated pit to have a medium subangular blocky structure, many roots and visible pores.

3.23 Subsoil horizons comprise clay which is most often reddish brown or brown (5YR5/3 or 10YR5/3) and occasionally reddish brown or greyish brown (2.5YR5/3 or 10YR5/2). There are common or many ochreous mottles throughout all of the subsoils which are gleyed across the Panel Area. The subsoil has a coarse angular blocky structure and a firm consistency which result in slow permeability. As the profiles are slowly permeable immediately below the topsoil, they are

assessed as WC IV. With clay or heavy clay loam topsoil, there is a wetness limitation to Subgrade 3b.

3.24 The ALC at Panel Area E is shown in Table 6.

Table 6: ALC areas – Panel Area E

Grade	Description	Area (ha)	%
Subgrade 3b	Moderate quality	26.5	100
	Total	26.5	100

Panel Area F: North of Bishopton

3.25 There are two soil types present in Panel Area F. The main soils include dark greyish brown (10YR4/2 or occasionally 2.5Y4/2) clay or heavy clay loam. The average depth is 31cm. Ochreous mottles are present in the topsoil across the Panel Area and the topsoil is gleyed in the north-west, the centre and the north-east.

3.26 The subsoil horizons of the main soil type comprise clay which is reddish brown or brown (5YR5/3, 7.5YR5/3 or 10YR5/3). The subsoil is mottled and gleyed throughout, and is slowly permeable immediately beneath the topsoil. Profiles are in WC IV and are limited by wetness to Subgrade 3b.

3.27 Along the southern edge and very north of Panel Area F is a separate and contrasting minor soil type. The topsoil is dark greyish brown (10YR4/2) sandy clay loam of 32cm average depth. In the south of the Area, there are few mottles and no stones in the topsoil, whilst in the north there are no mottles and many stones in the topsoil. The subsoil is brown (7.5YR4/2 or 7.5YR5/3) sandy clay loam or sandy loam. The northern and south-westernmost of the profiles of this type have many mottles in the subsoil and are gleyed; the south-easternmost profiles have only few faint ochreous mottles and are not considered to be gleyed. In only one profile there is a distinct lower subsoil horizon, comprising brown (7.5YR5/2) sandy clay which is mottled and gleyed. All of the profiles are permeable throughout.

3.28 Profiles which are not gleyed within 40cm, or which are gleyed but have sandy loam subsoil, are in WC I. In the south of Panel Area F there is little to no limitation to their agricultural use, but in the north, the presence of many large stones in the topsoil results in a limitation to Subgrade 3a. Profiles in the south with gleyed sandy clay loam subsoil are in WC II, and are limited slightly by wetness to Grade 2.

3.29 There are two instances of seemingly transitional profiles between areas of the two soil types described. One includes dark greyish brown (10YR4/2) heavy clay loam topsoil overlying reddish

brown (5YR5/3), gleyed but permeable clay. The profile is in WC II and limited by wetness to Subgrade 3a due to the heavy topsoil texture. The second includes dark greyish brown (10YR4/2) sandy clay loam topsoil, overlying brown (7.5YR5/3), gleyed but permeable sandy loam upper subsoil, passing to slowly permeable reddish brown (5YR5/3) clay at depth. The depths of gleying and the slowly permeable layer put the profile in WC III and also result in a wetness limitation to Subgrade 3a.

3.30 The areas of each ALC grade at Panel Area F are given in Table 7.

Table 7: ALC areas – Panel Area F

Grade	Description	Area (ha)	%
Grade 2	Very good quality	1.8	3
Subgrade 3a	Good quality	3.7	5
Subgrade 3b	Moderate quality	66.1	92
	Total	71.6	100

3.31 The cumulative areas of each ALC grade at Panel Areas A-F are given in Table 8.

Table 8: ALC areas – Panel Areas A- F

Grade	Description	Area (ha)	%
Grade 2	Very good quality	1.8	0.4
Subgrade 3a	Good quality	27.0	6.4
Subgrade 3b	Moderate quality	393.0	93.2
Total		421.8	100

Cable Routes

3.32 The proposed routes of the required underground cabling cover a total area of approximately 35ha of agricultural land which will be subject to temporary disturbance. A total of 21.2ha was not accessible for survey.

3.33 To the west of Panel Area C, the soil profile comprises 35cm of dark greyish brown (10YR4/2) clay topsoil. The topsoil is very slightly stony and has few distinct ochreous mottles. The topsoil passes directly to reddish brown clay subsoil which has many distinct mottles, is gleyed and slowly permeable. The profile is in WC IV and limited by wetness to Subgrade 3b.

3.34 To the west, south and east of Bishopton, the topsoil is similar although occasionally has many mottles and is also gleyed. To the west, the upper subsoil comprises clay which is brown or light olive brown (7.5YR5/3, 10YR5/3 or 2.5Y5/3), mottled, gleyed and usually slowly permeable. The lower subsoils comprise slowly permeable brown (7.5YR5/3) clay in all locations.

3.35 To the south of Bishopton, the subsoil is stoneless, slowly permeable dark grey (2.5Y4/1) clay. The soil profiles are in WC III or IV and are limited by wetness to Subgrade 3b.

3.36 East of Bishopton, the subsoil is mostly brown or reddish brown (7.5YR5/3 or 5YR5/3) clay which is stoneless and most commonly slowly permeable directly underneath the topsoil (WC IV). In one profile (Location 383), there is a separate upper subsoil horizon which is gleyed but permeable, and in another (Location 384) the topsoil is over 40cm thick over the subsoil. These instances are both in WC III. With clay or heavy clay loam topsoil, there is a wetness limitation to Subgrade 3b.

3.37 There is one contrasting soil type east of Bishopton which, although of the same colours as the other profiles, includes sandy clay loam throughout. The profile is gleyed from the topsoil but is permeable and in WC II. The profile (Location 382) is limited only slightly by wetness, to Grade 2.

3.38 At the eastern end of the cable route at Redmarshall and Carlton, the soil characteristics mostly continue to be as above, comprising dark greyish brown (10YR4/2), mottled, stoneless clay which passes to greyish brown (10YR5/2), gleyed and slowly permeable clay subsoils. These profiles are in WC IV and limited by wetness to Subgrade 3b.

3.39 In one profile (Location 388), the topsoil is medium clay loam. There is a thin upper subsoil horizon of brown (7.5YR5/3) clay which is gleyed but permeable, which passes to slowly permeable reddish brown (5YR5/3) clay at 40cm depth. This profile is in WC III and limited by wetness to Subgrade 3b.

3.40 The areas of each ALC grade across the cable routes are given in Table 9 and the combined total for the site in Table 10.

Table 9: ALC areas – Cable routes

Grade	Description	Area (ha)	%
Grade 2	Very good quality	0.6	2
Subgrade 3a	Good quality	0.6	2
Subgrade 3b	Moderate quality	13.0	96
Predicted Subgrade 3b		21.1	
Total		35.3	100

Table 10: ALC areas – Overall site

Grade	Description	Area (ha)	%
Grade 2	Very good quality	2.4	0.5
Subgrade 3a	Good quality	27.6	5.6
Subgrade 3b	Moderate quality	427.1	87.1
Non-agricultural	Norton substation and highways	33.1	6.8
Total		490.2	100

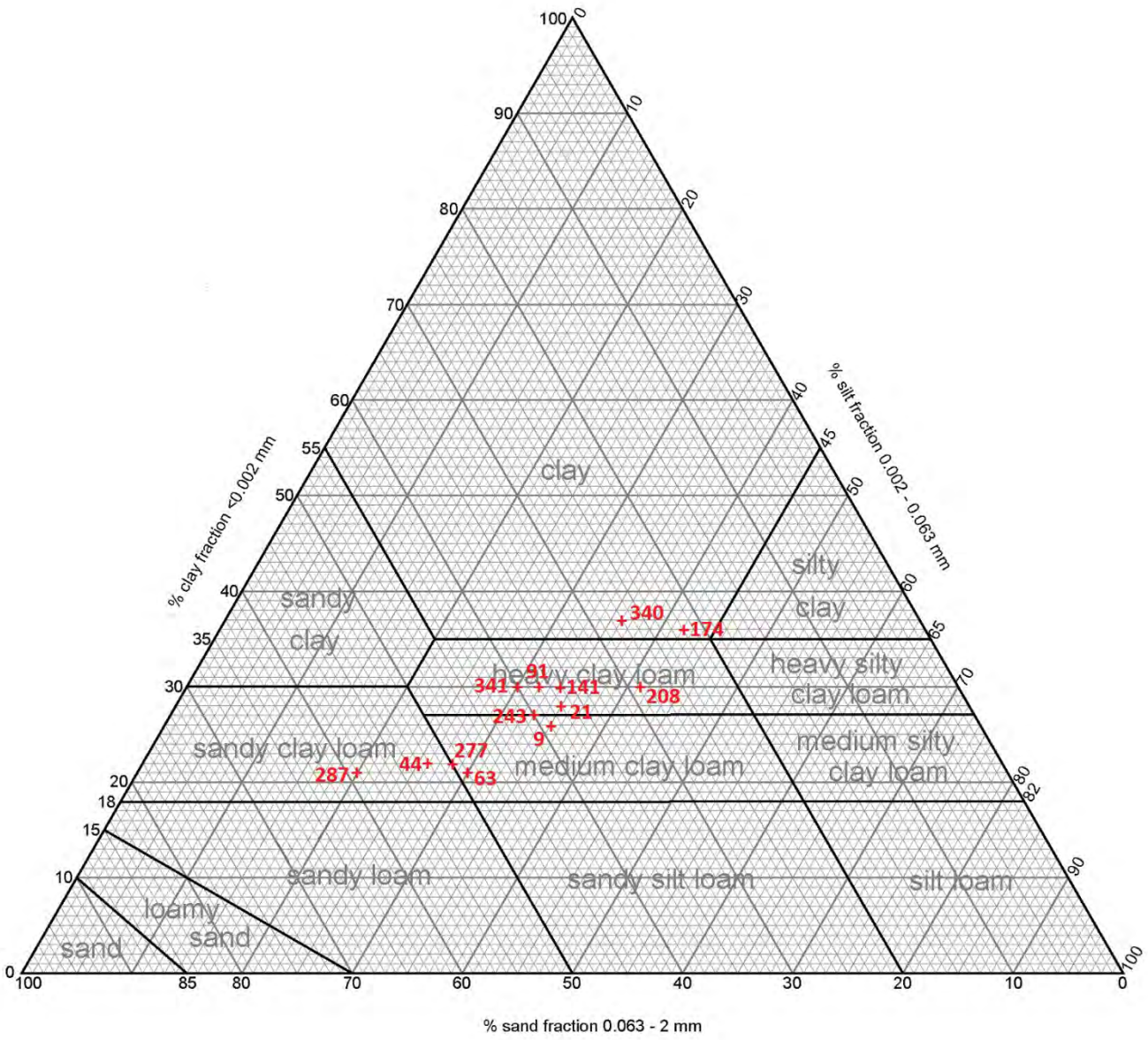
Appendix 1: Laboratory Data

Determinand	Profile 9	Profile 21	Profile 44	Profile 63	Profile 91	Profile 141	Profile 174	Profile 208	Profile 243	Profile 277	Profile 287	Profile 340	Profile 341	Units
Sand 2.00-0.063 mm	39	37	52	49	38	36	22	29	40	50	59	27	40	% w/w
Silt 0.063-0.002 mm	35	35	26	30	32	34	42	41	33	29	20	36	30	% w/w
Clay <0.002 mm	26	28	22	21	30	30	36	30	27	21	21	37	30	% w/w
Organic Matter	4.4	3.9	4.1	4.6	3.6	4.4	2.9	2.9	3.4	5.3	3.6	4.6	3.8	% w/w
Texture	Medium clay loam	Heavy clay loam	Sandy clay loam	Medium clay loam	Heavy clay loam	Heavy clay loam	Clay	Heavy clay loam	Heavy clay loam	Sandy clay loam/ Medium clay loam	Sandy clay loam	Clay	Heavy clay loam	

Determinand	Profile 9	Profile 21	Profile 44	Profile 63	Profile 91	Profile 141	Profile 174	Profile 208	Profile 243	Profile 277	Profile 287	Profile 340	Profile 341	Units
Soil pH	6.4	6.5	7.0	6.5	7.3	6.2	6.8	5.9	7.2	6.6	6.7	8.1	7.5	
Phosphorus (P)	<2.5	9.4	8.0	7.4	8.8	17.4	4.4	8.2	9.6	16.0	9.6	16.6	17.0	mg/l (av)
Potassium (K)	46.8	71.3	152	44.9	117	121	122	106	87.8	77.3	92.7	660	134	mg/l (av)
Magnesium (Mg)	278	274	305	322	343	254	377	179	276	210	135	350	311	mg/l (av)

Determinand	Profile 9	Profile 21	Profile 44	Profile 63	Profile 91	Profile 141	Profile 174	Profile 208	Profile 243	Profile 277	Profile 287	Profile 340	Profile 341	Units
Phosphorus (P)	0	0	0	0	0	2	0	0	1	2	1	2	2	ADAS Index
Potassium (K)	0	1	2-	0	1	2-	2-	1	1	1	1	5	2-	ADAS Index
Magnesium (Mg)	5	5	5	5	5	5	6	4	5	4	3	5	5	ADAS Index

Soil Texture by Particle Size Analysis



Appendix 2: Soil Profile Summaries and Droughtiness Calculations

Panel Area A

Wetness / workability limitations are determined according to the methodology given in Appendix 3 of the ALC guidelines, MAFF 1988

Droughtiness calculations are made according to the methodology given in Appendix 4 of the ALC guidelines, MAFF 1988.

Grades are shown for drought, wetness and any other soil or site factors which are relevant. The overall Grade is set by the most limiting factor and shown on the right.

Stone types		
%	TAv	EAv
hard	1	0.5
N/A	0	0

hard flint & pebble

Climate Data	
MDwheat	93
MDpotato	80
FCD	166

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	<73cm	45-73cm	>45cm	
SPL within 80cm, gleying at 40-70cm	>59cm	<59cm		
No SPL but gleying within 40cm	coarse subsoil	*I*	other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% N/A	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
1	T	0	30	mCL		10YR3/2	och	mmd	0			54	54	n	n	*III*	3a	**3a**	WE
		30	60	C		10YR5/3	och	cmd	0			40	48	y	n				
		60	120	C		10YR5/3	och	cmd	0		poor	42	13	y	y				
											Total	**136**	**115**						
											MD	43	35						
									Droughtiness grade (DR)			1	1						
2	T	0	25	mCL		10YR3/2	och	fff	0			45	45	n	n	*III*	3a	**3a**	WE
		25	60	hCL		10YR5/3	och	mmd	0			50	56	y	n				
		60	120	C		10YR5/3	och	cmd	0		poor	42	13	y	y				
											Total	**137**	**114**						
											MD	44	34						
									Droughtiness grade (DR)			1	1						
3	T	0	30	mCL		10YR3/2	och	cmd	0			54	54	n	n	*IV*	3b	**3b**	WE
		30	40	hCL		10YR4/2	och	cmd	0			16	16	y	n				
		40	60	C		10YR4/2	och	cmd	0		poor	20	26	y	y				
		60	120	C		10YR4/1	och	cmd	0		poor	42	13	y	y				
											Total	**132**	**109**						
											MD	39	29						
									Droughtiness grade (DR)			1	1						

4	T	0	30	mCL	10YR3/2	och	cmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR4/2	och	cmd	0		16	16	y	n					
		40	70	C	10YR4/2	och	cmd	0	poor	27	39	y	y					
		70	120	C	10YR4/2	och	cmd	0	poor	35	0	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1							
5	T	0	30	hCL	10YR3/2	och	cmd	0		54	54	n	n	*III*	3b	**3b**	WE	
		30	70	C	10YR4/2	och	cmd	0		16	16	y	n					
		70	120	C	10YR4/1	och	cmd	0	poor	35	0	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1							
6	T	0	30	mCL	10YR3/2	och	fmd	0		54	54	n	n	*III*	3a	**3a**	WE	
		30	60	hCL	10YR4/2	och	cmd	0		42	48	y	n					
		60	120	C	10YR4/1	och	cmd	0	poor	42	13	y	y					
									Total	**138**	**115**							
									MD	45	35							
									Droughtiness grade (DR)	1	1							
7	T	0	30	hCL	10YR3/2	och	mmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR4/2	och	cmd	0		16	16	y	n					
		40	50	C	10YR4/2	och	cmd	0	poor	13	13	y	y					
		50	120	C	10YR4/2	och	cmd	0	poor	49	26	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1							
8	T	0	30	mCL	10YR3/2	och	cmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/3	och	cmd	0		16	16	y	n					
		40	120	C	10YR5/3	och	cmd	0	poor	62	39	y	y					
									Total	**132**	**109**							

									MD	39	29							
									Droughtiness grade (DR)	1	1							
9	T	0	30	mCL	10YR3/2	och	fmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	35	C	10YR5/3	och	cmd	0		8	8	y	n					
		35	120	C	10YR5/3	och	cmd	0	poor	69	46	y	y					
									Total	**130**	**108**							
									MD	37	28							
									Droughtiness grade (DR)	1	1							
10	T	0	30	hCL	10YR3/2	och	cmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	35	C	10YR4/2	och	cmp	0		8	8	y	n					
		35	120	C	10YR4/2	och	cmp	0	poor	69	46	y	y					
									Total	**130**	**108**							
									MD	37	28							
									Droughtiness grade (DR)	1	1							
11	T	0	30	mCL	10YR3/2	och	fff	0		54	54	n	n	*III*	3a	**3a**	WE	
		30	50	C	10YR4/2	och	cmd	0		32	32	y	n					
		50	120	C	10YR4/2	och	cmd	0	poor	49	26	y	y					
									Total	**135**	**112**							
									MD	42	32							
									Droughtiness grade (DR)	1	1							
12	T	0	30	mCL	10YR3/2	och	mmd	0		54	54	n	n	*III*	3a	**3a**	WE	
		30	65	hCL	10YR5/3	och	mmd	0		47	56	y	n					
		65	120	C	10YR5/3	och	cmd	0	poor	39	7	y	y					
									Total	**140**	**117**							
									MD	47	37							
									Droughtiness grade (DR)	1	1							
13	T	0	30	mCL	10YR3/2	och	cmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	35	hCL	10YR4/2	och	cmd	0		8	8	y	n					
		35	120	C	10YR4/2	och	cmd	0	poor	69	46	y	y					
									Total	**130**	**108**							

									MD	37	28							
									Droughtiness grade (DR)	1	1							
14	T	0	30	mCL	10YR3/2			0		54	54	n	n	*III*	3a	**3a**	WE	
		30	50	hCL	10YR4/2	och	cmd	0		32	32	y	n					
		50	120	C	10YR4/2	och/red	cmd	0	poor	49	26	y	y					
									Total	**135**	**112**							
									MD	42	32							
									Droughtiness grade (DR)	1	1							
15	T	0	35	mCL	10YR3/2	och	mmd	0		63	63	n	n	*IV*	3b	**3b**	WE	
		35	120	C	10YR5/3	och	cmd	0	poor	69	46	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1							
16	T	0	30	mCL	10YR3/2	och	cmd	0		54	54	n	n	*III*	3a	**3a**	WE	
		30	72	SCL	10YR5/3	och	cmd	0		57	60	y	n					
		72	120	C	10YR4/2	och	cmd	0	poor	30	0	y	y					
									Total	**141**	**114**							
									MD	48	34							
									Droughtiness grade (DR)	1	1							
17	T	0	30	hCL	10YR3/2	och	cmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	35	C	10YR5/3	och	cmd	0		8	8	y	n					
		35	120	C	10YR5/3	och	cmd	0	poor	69	46	y	y					
									Total	**130**	**108**							
									MD	37	28							
									Droughtiness grade (DR)	1	1							
18	T	0	27	hCL	10YR3/2	och	fmd	0		49	49	n	n	*IV*	3b	**3b**	WE	
		27	35	C	10YR5/3	och	mmd	0		13	13	y	n					
		35	70	C	10YR5/3	och	mmd	0	poor	34	46	y	y					
		70	120	C	10YR5/3	och	cmd	0	poor	35	0	y	y					
									Total	**130**	**107**							

									MD	37	27							
									Droughtiness grade (DR)	1	1							
19	T	0	32	SCL	10YR3/2	och	fmf	0		54	54	n	n	*III*	3a	**3a**	WE	
		32	60	SCL	10YR5/3	och	mmf	0		37	42	y	n					
		60	120	SC	10YR5/3	och	cmd	0	poor	48	13	y	y					
									Total	**139**	**109**							
									MD	46	29							
									Droughtiness grade (DR)	1	1				Heavier at base- Stopped to dry			
20	T	0	28	mCL	10YR3/2	och	fmd	0		50	50	n	n	*III*	3a	**3a**	WE	
		28	60	C	10YR5/3	och	cmp	0		43	51	y	n					
		60	120	C	10YR5/3	och	cmp	0	poor	42	13	y	y					
									Total	**136**	**115**							
									MD	43	35							
									Droughtiness grade (DR)	1	1				Some sand in USS			
21/P1	T	0	33	hCL	10YR3/2	och	fmd	0		59	59	n	n	*IV*	3b	**3b**	WE	
		33	120	C	10YR5/3	och	cmd	0	poor	71	48	y	y					
									Total	**130**	**108**							
									MD	37	28							
									Droughtiness grade (DR)	1	1							
22	T	0	30	hCL	10YR3/2	och	fmp	0		54	54	n	n	*III*	3b	**3b**	WE	
		33	60	SCL	10YR5/3	och	cmd	0		36	41	y	n					
		60	120	C	10YR5/3	och/red	cmp	0	poor	42	13	y	y					
									Total	**132**	**108**							
									MD	39	28							
									Droughtiness grade (DR)	1	1				TS as sample			
23	T	0	30	mCL	10YR 3/2	och	mmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	0	poor	75	52	y	y					
									Total	**129**	**106**							
									MD	36	26							
									Droughtiness grade (DR)	1	1							

24	T	0	30	hCL	10YR 3/2	och	fmd	0		54	54	n	n	*II*	3a	**3a**	WE
		30	80	hCL	10YR5/3	och	mmd	0		62	64	y	n				
		89	120	hCL	10YR5/3	och	mmd	0		31	0	y	n				
									Total	**147**	**118**						
									MD	54	38						
									Droughtiness grade (DR)	1	1						
25	T	0	30	mCL	10YR 3/2	och	fmd	0		54	54	n	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	och	cmp	0	poor	75	52	y	y				
									Total	**129**	**106**						
									MD	36	26						
									Droughtiness grade (DR)	1	1						
26	T	0	30	hCL	7.5YR4/2	och	mmd	0		54	54	y	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd	0	poor	75	52	y	y				
									Total	**129**	**106**						
									MD	36	26						
									Droughtiness grade (DR)	1	1				Yellow sand inclusions in SS		
27	T	0	30	mCL	10YR4/2	och	mff	0		54	54	y	n	*III*	3a	**3a**	WE
		30	50	hCL	10YR4/2	och	cmd	0		32	32	y	n				
		50	120	C	10YR5/3	och	cmd	0	poor	49	26	y	y				
									Total	**135**	**112**						
									MD	42	32						
									Droughtiness grade (DR)	1	1						
28	T	0	30	mCL	10YR4/2	och	cmd	0		54	54	y	n	*III*	3a	**3a**	WE
		30	50	C	10YR4/2	och	cmd	0		32	32	y	n				
		50	120	C	10YR5/2	och	cmd	0	poor	49	26	y	y				
									Total	**135**	**112**						
									MD	42	32						
									Droughtiness grade (DR)	1	1						
29	T	0	30	mCL	10YR4/2	och	fmd	0		54	54	n	n	*III*	3a	**3a**	WE
		30	45	hCL	10YR4/2	och	mmd	0		24	24	y	n				

		45	70	SL	10YR4/2	och	cmd	0		30	38	y	n					
		70	120	SC	10YR5/2	och	cmd	0	poor	40	0	y	y					
									Total	**148**	**116**							
									MD	55	36							
									Droughtiness grade (DR)	1	1							
30	T	0	30	mCL	7.5YR4/2	och/red	fmf	0		54	54	n	n	*III*	3a	**3a**	WE	
		30	50	hCL	7.5YR5/3	och/red	mmf	0		32	32	y	n					
		50	120	C	7.5YR5/3	och	mmd	0	poor	49	26	y	y					
									Total	**135**	**112**							
									MD	42	32							
									Droughtiness grade (DR)	1	1							
31	T	0	30	hCL	10YR4/2	och	mff	0		54	54	y	n	*IV*	3b	**3b**	WE	
		30	60	C	10YR5/3	och	cmd	0	poor	33	39	y	y					
		60	120	C	10YR5/3	och	cmp	0	poor	42	13	y	y					
									Total	**129**	**106**							
									MD	36	26							
									Droughtiness grade (DR)	1	1				Small pockets of sand, dry at depth			
32	T	0	35	hCL	10YR4/2	och	fff	0		63	63	n	n	*IV*	3b	**3b**	WE	
		35	70	C	7.5YR5/3	och	cmp	0	poor	34	46	y	y					
		70	120	C	7.5YR5/3	och	cmp	0	poor	35	0	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1				Dry at depth			
33	T	0	35	hCL	10YR4/2	och	fmd	0		63	63	n	n	*IV*	3b	**3b**	WE	
		35	70	C	7.5YR5/3	och	cmp	0	poor	34	46	y	y					
		70	120	C	7.5YR5/3	och	cmp	0	poor	35	0	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1				Dry at depth			
34	T	0	35	SCL	10YR4/2	och	fff	0		60	60	n	n	*III*	3a	**3a**	WE	

		35	70	SCL	10YR5/3	och	cmd	0		43	53	y	n					
		70	120	C	10YR5/3	och	cmp	0	poor	35	0	y	y					
									Total	**137**	**112**							
									MD	44	32							
									Droughtiness grade (DR)	1	1				SCL USS border SC			
35	T	0	30	hCL	10YR4/2	och	ffd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	40	C	7.5YR5/3	och	mmd	0	poor	16	16	y	y					
		40	120	C	7.5YR5/3	och	cmd	0	poor	62	39	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1							
36	T	0	32	SCL	10YR4/2	och	fmf	0		54	54	n	n	*IV*	3b	**3b**	WE	
		32	70	C	5YR5/3	och	mmd	0	poor	37	49	y	y					
		70	120	C	7.5YR5/3	och	cmd	0	poor	35	0	y	y					
									Total	**127**	**104**							
									MD	34	24							
									Droughtiness grade (DR)	1	1				Some sand in USS still PP			
37	T	0	30	SCL	10YR4/2	och	fff	0		51	51	n	n	*I*	1	**2**	OC	
		30	70	SCL	10YR5/3	och	fmd	0		50	60	n	n					
		70	120	SCL	7.5YR5/3	och	cmd	0		50	0	y	n					
									Total	**151**	**111**							
									MD	71	31							
									Droughtiness grade (DR)	1	1							
38	T	0	28	mCL	10YR4/2	och	mff	0		50	50	y	n	*IV*	3b	**3b**	WE	
		28	75	C	7.5YR5/3	och	cmd	0	poor	46	55	y	y					
		75	120	C	10YR4/2	och	cmp	0	poor	32	0	y	y					
									Total	**128**	**105**							
									MD	48	25							
									Droughtiness grade (DR)	1	1							
39	T	0	33	mCL	10YR4/2	och	fff	0		59	59	n	n	*IV*	3b	**3b**	WE	

		33	60	C	7.5YR5/3	och	mmd	0	poor	29	35	y	y					
		60	120	C	7.5YR5/3	och	cmp	0	poor	42	13	y	y					
									Total	**130**	**108**							
									MD	50	28							
									Droughtiness grade (DR)	1	1							
40	T	0	34	hCL	10YR4/2	och	cmd	0		61	61	y	n	*IV*	3b	**3b**	WE	
		34	120	C	7.5YR4/2	och	cmd	0	poor	70	47	y	y					
									Total	**131**	**108**							
									MD	51	28							
									Droughtiness grade (DR)	1	1							
41	T	0	35	C	10YR4/2	och	mmd	0		60	60	y	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR4/2	och	cmd	0	poor	69	46	y	y					
									Total	**128**	**105**							
									MD	48	25							
									Droughtiness grade (DR)	1	1							
42	T	0	30	hCL	10YR4/2	och	fff	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	50	C	7.5YR5/3	och	cmp	0		32	32	y	n					
		50	60	C	7.5YR5/3	och	cmp	0	poor	7	13	y	y					
		60	120	C	7.5YR5/3	och	cmp	0	poor	42	13	y	y					
									Total	**135**	**112**							
									MD	55	32							
									Droughtiness grade (DR)	1	1							
43	T	0	25	hCL	10YR4/2	och	fff	0		45	45	n	n	*IV*	3b	**3b**	WE	
		25	120	C	7.5YR5/3	och/red	cmp	0	poor	82	59	y	y					
									Total	**126**	**104**							
									MD	46	24							
									Droughtiness grade (DR)	1	1							
44/P2	T	0	30	SCL	10YR4/2	och	fmp	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och/red	cmd	0	poor	75	52	y	y					
									Total	**129**	**106**							

									MD	49	26								
									Droughtiness grade (DR)	1	1								
45	T	0	35	hCL	10YR4/2	och	mmd	0		63	63	y	n	*IV*	3b	**3b**	WE		
		35	120	C	5YR5/3	grey	cmp	0	poor	69	46	y	y						
									Total	**132**	**109**								
									MD	52	29								
									Droughtiness grade (DR)	1	1								
46	T	0	35	C	10YR4/2	och	mmd	0		60	60	y	n	*IV*	3b	**3b**	WE		
		35	120	C	5YR5/3	grey	cmp	0	poor	69	46	y	y						
									Total	**128**	**105**								
									MD	48	25								
									Droughtiness grade (DR)	1	1								
47	T	0	35	SCL	10YR4/2	och	mmd	0		60	60	y	n	*IV*	3b	**3b**	WE		
		35	120	C	5YR5/3	grey	cmp	0	poor	69	46	y	y						
									Total	**128**	**105**								
									MD	48	25								
									Droughtiness grade (DR)	1	1								
48	T	0	35	SCL	10YR4/2	och	mmd	0		60	60	y	n	*IV*	3b	**3b**	WE		
		35	120	C	5YR5/3	grey	cmp	0	poor	69	46	y	y						
									Total	**128**	**105**								
									MD	48	25								
									Droughtiness grade (DR)	1	1								
49	T	0	30	C	10YR4/2	och	mmd	0		51	51	y	n	*IV*	3b	**3b**	WE		
		30	120	C	5YR5/3	och	cmd	0	poor	75	52	y	y						
									Total	**126**	**103**								
									MD	46	23								
									Droughtiness grade (DR)	1	1								
50	T	0	30	C	10YR4/2	och	ffd	0		51	51	n	n	*IV*	3b	**3b**	WE		
		30	120	C	5YR5/3	grey	cmd	0	poor	75	52	y	y						
									Total	**126**	**103**								

									MD	46	23							
									Droughtiness grade (DR)	1	1							
51	T	0	30	hCL	10YR4/2	och	fmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	50	C	7.5YR5/3	och	mmd	0	poor	26	26	y	y					
		50	120	C	5YR5/3	och	cmp	0	poor	49	26	y	y					
									Total	**129**	**106**							
									MD	49	26							
									Droughtiness grade (DR)	1	1							
52	T	0	35	hCL	10YR4/2			0		63	63	n	n	*IV*	3b	**3b**	WE	
		35	45	C	10YR5/3	och	cmp	0	poor	16	16	y	y					
		45	120	C	10YR4/1	och	cmd	0	poor	56	33	y	y					
									Total	**134**	**112**							
									MD	54	32							
									Droughtiness grade (DR)	1	1							
53	T	0	30	mCL	10YR4/2			0		54	54	y	n	*IV*	3b	**3b**	WE	
		30	65	C	10YR4/2	och	mmd	0	poor	44	56	y	y					
		65	120	C	10YR5/3	och	cmd	0	poor	39	7	y	y					
									Total	**136**	**117**							
									MD	56	37							
									Droughtiness grade (DR)	1	1							
54	T	0	30	hCL	10YR4/2	och	mff	0		54	54	y	n	*IV*	3b	**3b**	WE	
		30	50	C	7.5YR5/3	och	cmd	10	poor	24	24	y	y					
		50	120	C	7.5YR5/3	och	cmd	0	poor	49	26	y	y					
									Total	**127**	**104**							
									MD	47	24							
									Droughtiness grade (DR)	1	1							
55	T	0	28	mCL	10YR4/2			0		50	50	n	n	*IV*	3b	**3b**	WE	
		28	40	C	10YR5/2	och	mmd	0		19	19	y	n					
		40	120	C	10YR5/2	och	cmd	0	poor	62	39	y	y					
									Total	**132**	**109**							

									MD	52	29						
									Droughtiness grade (DR)	1	1						
56	T	0	35	hCL	10YR4/2			0		63	63	n	n	*IV*	3b	**3b**	WE
		35	50	hCL	10YR4/2	och	cmd	0		24	24	y	n				
		50	70	C	7.5YR5/3	och	cmd	0	poor	14	26	y	y				
		70	120	C	7.5YR5/3	och	cmd	0	poor	35	0	y	y				
									Total	**136**	**113**						
									MD	56	33						
									Droughtiness grade (DR)	1	1						
57	T	0	30	C	10YR4/2	och	fmf	0		51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd	0	poor	75	52	y	y				
									Total	**126**	**103**						
									MD	46	23						
									Droughtiness grade (DR)	1	1						
58	T	0	30	mCL	10YR4/2	och	mmd	0		54	54	y	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/2	och	cmd	0	poor	75	52	y	y				
									Total	**129**	**106**						
									MD	49	26						
									Droughtiness grade (DR)	1	1						
59	T	0	28	SCL	10YR4/2	och	mmd	0		48	48	y	n	*III*	3a	**3a**	WE
		28	55	SC	10YR4/2	och	cmd	0		38	41	y	n				
		55	120	C	10YR5/3	och	cmd	0	poor	46	20	y	y				
									Total	**131**	**108**						
									MD	51	28						
									Droughtiness grade (DR)	1	1						
60	T	0	35	hCL	10YR4/2	och	mmd	0		63	63	y	n	*IV*	3b	**3b**	WE
		35	120	C	10YR5/2	och	cmd	0	poor	69	46	y	y				
									Total	**132**	**109**						
									MD	52	29						
									Droughtiness grade (DR)	1	1						

61	T	0	30	hCL	10YR4/2			0		54	54	n	n	*III*	3b	**3b**	WE
		30	50	C	7.5YR5/3	och/red	mmd	0		32	32	y	n				
		50	60	C	7.5YR5/3	och/red	mmd	0	poor	7	13	y	y				
		60	120	C	7.5YR5/3	och/red	mmd	0	poor	42	13	y	y				
									Total	**135**	**112**						
									MD	55	32						
									Droughtiness grade (DR)	1	1						
62	T	0	30	hCL	10YR4/2	och	mmd	0		54	54	y	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd	0	poor	75	52	y	y				
									Total	**129**	**106**						
									MD	49	26						
									Droughtiness grade (DR)	1	1						
63	T	0	30	mCL	10YR4/2	och	mmd	0		51	51	y	n	*IV*	3b	**3b**	WE
		30	45	C	10YR4/2	och	cmd	0	poor	20	20	y	y				
		45	120	SC	7.5YR5/3	och	mmd	0		78	38	y	n				
									Total	**148**	**108**						
									MD	68	28						
									Droughtiness grade (DR)	1	1						
64	T	0	30	hCL	10YR4/2	och	mmd	0		54	54	y	n	*IV*	3b	**3b**	WE
		30	40	C	5YR5/3	och	cmd	0		16	16	y	n				
		30	120	C	5YR5/3	och	cmd	0	poor	75	52	y	y				
									Total	**145**	**122**						
									MD	65	42						
									Droughtiness grade (DR)	1	1						
65	T	0	30	hCL	10YR4/2	och	mmd	0		54	54	y	n	*III*	3b	**3b**	WE
		30	50	C	5YR5/3	och	mmd	0		32	32	y	n				
		50	120	C	5YR5/3	och	cmd	0	poor	49	26	y	y				
									Total	**135**	**112**						
									MD	55	32						
									Droughtiness grade (DR)	1	1						

66	T	0	30	mCL	10YR4/2	och	mmd	0		54	54	y	n	*IV*	3b	**3b**	WE
		30	45	C	5YR5/3	och	mmd	0		24	24	y	n				
		45	120	C	5YR5/3	och	cmd	0	poor	56	33	y	y				
									Total	**134**	**111**						
									MD	54	31						
									Droughtiness grade (DR)	1	1						
67	T	0	35	mCL	10YR4/2	och	mmd	0		63	63	y	n	*IV*	3b	**3b**	WE
		30	45	C	7.5YR5/3	och	mmd	0		24	24	y	n				
		45	120	C	7.5YR5/3	och	cmd	0	poor	56	33	y	y				
									Total	**142**	**120**						
									MD	62	40						
									Droughtiness grade (DR)	1	1						
68	T	0	35	mCL	10YR4/2	och	mmd	0		63	63	y	n	*IV*	3b	**3b**	WE
		30	45	C	7.5YR5/3	och	mmd	0		24	24	y	n				
		45	120	C	7.5YR5/3	och	cmd	0	poor	56	33	y	y				
									Total	**142**	**120**						
									MD	62	40						
									Droughtiness grade (DR)	1	1						
69	T	0	30	mCL	10YR4/2	och	mmd	0		54	54	y	n	*IV*	3b	**3b**	WE
		30	40	C	7.5YR5/3	och	mmd	0		16	16	y	n				
		40	120	C	5YR5/3	och	cmd	0	poor	62	39	y	y				
									Total	**132**	**109**						
									MD	52	29						
									Droughtiness grade (DR)	1	1						
70	T	0	35	SCL	10YR4/2	och	cmd	0		60	60	y	n	*III*	3a	**3a**	WE
		35	50	C	7.5YR5/3	och	cmp	0		24	24	y	n				
		50	120	C	5YR5/3	och	cmp	0	poor	49	26	y	y				
									Total	**132**	**110**						
									MD	52	30						
									Droughtiness grade (DR)	1	1						

71	T	0	30	mCL	10YR4/2			0		54	54	n	n	*II*		2		**2**	WE OC
		30	45	hCL	7.5YR5/3	och	mmd	0		24	24	y	n						
		45	60	SCL	7.5YR5/3	och	mmd	0		18	23	y	n						
		60	120	SCL	7.5YR5/3	och	mmd	0		60	15	y	n						
									Total	**156**	**116**								
									MD	76	36								
								Droughtiness grade (DR)		1	1								
_72	T	0	30	C	10YR4/2	och	mmd			51	51	y	n	*IV*		3b		**3b**	WE
		30	120	C	7.5YR4/2	och	cmd		poor	75	52	y	y						
									Total	**126**	**103**								
									MD	33	23								
								Droughtiness grade (DR)		1	1								
73	T	0	30	hCL	10YR4/2	och	mmd			54	54	y	n	*IV*		3b		**3b**	WE
		30	120	C	7.5YR4/2	och	mmd		poor	75	52	y	y						
									Total	**129**	**106**								
									MD	36	26								
								Droughtiness grade (DR)		1	1								
74	T	0	25	C	10YR4/2	och	mmd			43	43	y	n	*IV*		3b		**3b**	WE
		25	120	C	5YR4/2	och	mmd		poor	82	59	y	y						
									Total	**124**	**101**								
									MD	31	21								
								Droughtiness grade (DR)		1	1								
75	T	0	30	hCL	10YR4/2	och	cmd			43	43	y	n	*IV*		3b		**3b**	WE
		30	120	C	7.5YR4/2	och	cmp		poor	82	59	y	y						
									Total	**124**	**101**								
									MD	31	21								
								Droughtiness grade (DR)		1	1								
76	T	0	30	C	10YR4/2	och	mmd			51	51	y	n	*IV*		3b		**3b**	WE
		30	120	C	7.5YR4/2	och	cmd		poor	75	52	y	y						

									Total	**126**	**103**							
									MD	33	23							
									Droughtiness grade (DR)	1	1							
77	T	0	30	C	10YR4/2	och	fmd			51	51	y	n	*III*	3b	**3b**	WE	
		30	65	SCL	7.5YR4/2	och	ccp			38	46	y	n					
		65	120	C	7.5YR4/2	och	mmd		poor	39	7	y	y					
									Total	**128**	**103**							
									MD	35	23							
									Droughtiness grade (DR)	1	1							
78	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/2	och	mmd		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	33	23							
									Droughtiness grade (DR)	1	1							
79	T	0	30	hCL	10YR4/2	och	mmd			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR4/2	och	mmd		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	33	23							
									Droughtiness grade (DR)	1	1							
80	T	0	30	hCL	10YR4/2	och	fmd			54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR4/2	och	cmd		poor	75	52	y	y					
									Total	**129**	**106**							
									MD	36	26							
									Droughtiness grade (DR)	1	1							
81	T	0	30	hCL	10YR4/2	och	fmd			54	54	n	n	*III-IV*	3b	**3b**	WE	
		30	45	SCL	10YR5/3	och	cmd			23	23	y	n					
		45	120	C	7.5YR4/2	och	cmd		poor	56	33	y	y					
									Total	**132**	**109**							
									MD	39	29							
									Droughtiness grade (DR)	1	1							

82	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR4/2	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	33	23						
								Droughtiness grade (DR)		1	1						
83	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	33	23						
								Droughtiness grade (DR)		1	1						
84	T	0	30	C	10YR4/2	och	mmd			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR4/2	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	33	23						
								Droughtiness grade (DR)		1	1						
85	T	0	30	SCL	10YR4/2	och	cmd			51	51	y	n	*II*	2	**2**	WE OC
		30	120	SCL	10YR5/3	och	cmd			100	60	y	n				
									Total	**151**	**111**						
									MD	58	31						
								Droughtiness grade (DR)		1	1						
86	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	och	cmd		poor	75	64	y	y				
									Total	**126**	**115**						
									MD	33	35						
								Droughtiness grade (DR)		1	1						
87	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	och	cmd		poor	75	64	y	y				
									Total	**126**	**115**					V firm	
									MD	33	35						
								Droughtiness grade (DR)		1	1						

88	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	33	23						
								Droughtiness grade (DR)		1	1						
89	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE
		30	50	C	10YR5/2	och	cmd		poor	26	26	y	y				
		50	120	C	7.5YR5/3	och	cmd		poor	49	26	y	y				
									Total	**126**	**103**						
									MD	33	23						
								Droughtiness grade (DR)		1	1						
90	T	0	30	hCL	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd		poor	49	26	y	y				
									Total	**126**	**103**						
									MD	33	23				v firm		
								Droughtiness grade (DR)		1	1						
91	T	0	25	hCL	10YR4/2	och	mmd			45	45	y	n	*IV*	3b	**3b**	WE
		25	120	C	5YR5/3	red	cmd		poor	82	59	y	y				
									Total	**126**	**104**						
									MD	33	24						
								Droughtiness grade (DR)		1	1						
92	T	0	25	C	10YR4/2	och	fff			43	43	n	n	*IV*	3b	**3b**	WE
		25	30	C	5YR5/3	och	mmd		poor	7	7	y	y				
		30	120	C	5YR5/3	red	cmd		poor	75	52	y	y				
									Total	**124**	**101**						
									MD	31	21						
								Droughtiness grade (DR)		1	1						
93	T	0	20	C	10YR4/2	och	cmd			34	34	y	n	*IV*	3b	**3b**	WE
		20	120	C	7.5YR5/3	grey	cmd		poor	88	65	y	y				
									Total	**122**	**99**						

								MD	29	19							
								Droughtiness grade (DR)	1	1							
94	T	0	30	C	10YR4/2	och	cmd		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	mmd	poor	75	52	y	y					
								Total	**126**	**103**							
								MD	33	23			waterlogged at 55cm				
								Droughtiness grade (DR)	1	1							
95	T	0	30	hCL	10YR4/2	och	fmd		54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	poor	75	52	y	y					
								Total	**129**	**106**							
								MD	36	26							
								Droughtiness grade (DR)	1	1							
96	T	0	30	C	10YR4/2	och	fff		54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	red/grey	cmd	poor	75	52	y	y					
								Total	**129**	**106**							
								MD	36	26							
								Droughtiness grade (DR)	1	1							
97	T	0	30	mCL	10YR4/2	och	fff		54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	2.5YR5/2	och/grey	cmd	poor	75	52	y	y					
								Total	**129**	**106**							
								MD	36	26							
								Droughtiness grade (DR)	1	1							

Panel Area B

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7
hard	flint & pebble	

Climate Data	
MDwheat	90
MDpotato	76
FCD	166

Wetness Class Guidelines	II	III	IV	V
SPL within 80cm, gleying within 40cm	>73cm	45-73cm	<45cm	
SPL within 80cm, gleying at 40-70cm	>59cm	<59cm		
No SPL but gleying within 40cm	coarse subsoil	I	other cases	II

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% chalk	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
98	T	0	30	C		10YR4/2	och	mff	1			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/3	och	cmd	1		poor	74	52	y	y				
											Total	**125**	**102**						
											MD	35	26						
									Droughtiness grade (DR)			1	1						
99	T	0	30	C		10YR4/2	och	mff	1			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/2	och	cmd	1		poor	74	52	y	y				
											Total	**125**	**102**						
											MD	35	26						
									Droughtiness grade (DR)			1	1						
100	T	0	40	C		10YR4/2	och	mff	1			51	51	y	n	*IV*	3b	**3b**	WE
		40	120	C		10YR5/2	och	cmd	1		poor	74	52	y	y				
											Total	**125**	**102**						
											MD	35	26						
									Droughtiness grade (DR)			1	1						
101	T	0	30	C		10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/2	och	cmd	1		poor	74	52	y	y				
											Total	**125**	**102**						
											MD	35	26						
									Droughtiness grade (DR)			1	1						
102	T	0	30	C		10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/2	och	cmd	1		poor	74	52	y	y				
											Total	**125**	**102**						
											MD	35	26						
									Droughtiness grade (DR)			1	1						

103	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/2	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	35	26						
									Droughtiness grade (DR)	1	1						
104	T	0	30	C	10YR4/2	och	mff	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/2	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	35	26						
									Droughtiness grade (DR)	1	1						
105	T	0	40	C	10YR4/2	och	fmf	1		67	67	n	n	*III*	3b	**3b**	WE
		40	60	C	10YR5/2	och	cmd	1		24	32	y	n				
		60	120	C	10YR5/2	och	cmd	1	poor	42	13	y	y				
									Total	**133**	**112**						
									MD	43	36						
									Droughtiness grade (DR)	1	1						
106	T	0	25	C	10YR4/2	och	mff	1		42	42	y	n	*IV*	3b	**3b**	WE
		25	120	C	10YR5/3	och	cmd	1	poor	81	58	y	y				
									Total	**123**	**100**						
									MD	33	24						
									Droughtiness grade (DR)	1	1						
107	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	50	C	10YR4/2	och	cmd	1	poor	26	26	y	y				
		50	120	C	7.5YR4/2	red	cmd	1	poor	49	26	y	y				
									Total	**125**	**102**						
									MD	35	26						
									Droughtiness grade (DR)	1	1						
108	T	0	30	C	10YR4/2			1		51	51	n	n	*IV*	3b	**3b**	WE
		30	50	C	10YR4/2	och	cmd	1	poor	26	26	y	y				
		50	120	C	7.5YR4/2	red	cmd	1	poor	49	26	y	y				
									Total	**125**	**102**						

										MD	35	26							
									Droughtiness grade (DR)		1	1							
109	T	0	30	C	10YR4/2	och	fff	1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	70	C	10YR5/3	och	cmd	1		poor	40	52	y	y					
		50	120	C	10YR5/3	red	cmd	1		poor	49	0	y	y					
										Total	**139**	**102**							
										MD	49	26							
									Droughtiness grade (DR)		1	1							
110	T	0	30	C	10YR4/2	och	fff	1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	red	cmd	1		poor	74	52	y	y					
										Total	**125**	**102**							
										MD	35	26							
									Droughtiness grade (DR)		1	1							
111	T	0	35	C	10YR4/2	och	fff	1			59	59	y	n	*IV*	3b	**3b**	WE	
		35	120	C	10YR5/3	red	cmd	1		poor	68	45	y	y					
										Total	**127**	**104**							
										MD	37	28							
									Droughtiness grade (DR)		1	1							
112	T	0	30	C	10YR4/2	och	fff	1			59	59	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	red	cmd	1		poor	68	45	y	y					
										Total	**127**	**104**							
										MD	37	28							
									Droughtiness grade (DR)		1	1							
113	T	0	25	C	10YR4/2	och	fff	1			42	42	y	n	*IV*	3b	**3b**	WE	
		25	120	C	10YR5/3	red	cmd	1		poor	81	58	y	y					
										Total	**123**	**100**							
										MD	33	24							
									Droughtiness grade (DR)		1	1							
114	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR6/2	och	mmd	1		poor	74	52	y	y					
										Total	**125**	**102**							
										MD	35	26							

								Droughtiness grade (DR)		1	1							
115	T	0	35	C	10YR4/2	och	mmd	1		59	59	y	n	*IV*	3b	**3b**	WE	
		35	120	C	10YR5/3	och	mmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	37	28							
								Droughtiness grade (DR)		1	1							
116	T	0	30	C	10YR4/2	och	mmd	1		59	59	y	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/3	och	cmd	1	poor	68	45	y	y					
		50	120	C	10YR6/1	och	fmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	37	28							
								Droughtiness grade (DR)		1	1							
117	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
118	T	0	30	C	10YR4/2	och	mmd	1		59	59	y	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/3	och	cmd	1	poor	68	45	y	y					
		50	120	C	10YR6/1	och	fmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	37	28							
								Droughtiness grade (DR)		1	1							
119	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR6/2	FeMn	mmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
120	T	0	30	C	10YR4/2	och	mmd	1		51	51	y		*IV*	3b	**3b**	WE	
		30	60	C	7.5YR5/3	och	cmd	1	poor	33	39	y	n					
		60	120	C	7.5YR5/3	och	cmd	1	poor	42	13	y	y					
									Total	**125**	**102**					Clay with sand		

										MD	35	26							
									Droughtiness grade (DR)		1	1							
121	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor		74	52	y	y					
										Total	**125**	**102**							
										MD	35	26							
									Droughtiness grade (DR)		1	1							
122	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmp	1	poor		74	52	y	y					
										Total	**125**	**102**							
										MD	35	26							
									Droughtiness grade (DR)		1	1							
123	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	red	mmd	1	poor		74	52	y	y					
										Total	**125**	**102**							
										MD	35	26		v wet					
									Droughtiness grade (DR)		1	1							
124	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor		74	52	y	y					
										Total	**125**	**102**							
										MD	35	26		v wet					
									Droughtiness grade (DR)		1	1							
125	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor		74	52	y	y					
										Total	**125**	**102**							
										MD	35	26							
									Droughtiness grade (DR)		1	1							
126	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	40	C	2.5Y4/2	och	cmd	1	poor		13	13	y	y					
		40	120	C	10YR6/1	och	mmp	1	poor		61	39	y	y					
										Total	**125**	**102**							

									MD	35	26							
								Droughtiness grade (DR)		1	1							
127	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
128	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
129	T	0	30	hCL	10YR4/2	och	mmd	1		53	53	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**128**	**105**							
									MD	38	29							
								Droughtiness grade (DR)		1	1							
130	T	0	30	hCL	10YR4/2	och	fmd	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR4/2	och	cmfp	1	poor	74	52	y	y					
									Total	**128**	**105**							
									MD	38	29							
								Droughtiness grade (DR)		1	1							
131	T	0	30	C	10YR4/2		femns	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
132	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							

133	T	0	30	C	10YR4/2	och	fmd	1		51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	mfd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	35	26						
									Droughtiness grade (DR)	1	1						
134	T	0	30	C	10YR4/2	och	fff	1		51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	35	26						
									Droughtiness grade (DR)	1	1						
135	T	0	30	C	10YR4/2	och	mff	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	50	C	10YR5/2	och	cmd	1	poor	26	26	y	y				
		50	70	SC	7.5YR5/3	och	cmd	1		20	30	y	n				
		70	120	C	7.5YR5/3	och	mmd	1	poor	35	0	y	y				
									Total	**131**	**106**						
									MD	41	30						
									Droughtiness grade (DR)	1	1						
136	T	0	30	C	10YR4/2	och	fmd	1		51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	35	26						
									Droughtiness grade (DR)	1	1						
137	T	0	35	C	10YR4/2	och	mmd	1		59	59	y	n	*IV*	3b	**3b**	WE
		35	120	C	10YR5/3	och	cmd	1	poor	68	45	y	y				
									Total	**127**	**104**						
									MD	37	28						
									Droughtiness grade (DR)	1	1						
138	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	45	C	10YR5/2	och	mmd	1	poor	19	19	y	y				
		45	120	C	10YR6/1	och	mmd	1	poor	55	32	y	y				
									Total	**125**	**102**						

									MD	35	26							
								Droughtiness grade (DR)		1	1							
139	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	mmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
140	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	mmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
141	T	0	35	C	10YR4/2	och	fff	1		59	59	n	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR5/3	och	mmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	37	28							
								Droughtiness grade (DR)		1	1							
142	T	0	30	C	10YR4/2	och	fmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR3/2	och	mfd	1	poor	26	26	(y)	y					
		50	120	C	10YR5/3	och	mmd	1	poor	49	26	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
143	T	0	30	hCL	10YR4/2	och	fmd	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	mmd	1	poor	74	52	y	y					
									Total	**128**	**105**							
									MD	38	29							
								Droughtiness grade (DR)		1	1							
144	T	0	35	C	10YR4/2	och	fff	1		59	59	n	n	*IV*	3b	**3b**	WE	
		35	120	C	10YR5/2	och	cmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	37	28							

									Droughtiness grade (DR)		1	1							
145	T	0	30	C	10YR4/2	och	fmd	1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/2	och	cmd	1	poor		74	52	y	y					
									Total		**125**	**102**							
									MD		35	26							
									Droughtiness grade (DR)		1	1							
146	T	0	30	hCL	10YR4/2	och	mmd	1			53	53	y	n	*III*	3b	**3b**	WE	
		30	40	C	10YR5/3	och	cmd	1	poor		13	13	y	n					
		40	50	SL	10YR5/2	och	cmd	1			15	15	y	n					
		50	120	C	10YR5/2	och	cmd	1	poor		49	26	y	y					
									Total		**130**	**107**							
									MD		40	31							
									Droughtiness grade (DR)		1	1							
147	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/4	och	mmd	1	poor		74	52	y	y					
									Total		**125**	**102**							
									MD		35	26							
									Droughtiness grade (DR)		1	1							
148	T	0	35	C	10YR4/2	och	fff	1			59	59	n	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR4/4	och	mmd	1	poor		68	45	y	y					
									Total		**127**	**104**							
									MD		37	28							
									Droughtiness grade (DR)		1	1							
149	T	0	30	C	10YR4/2	och	fmd	1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/3	och	mfd	1	poor		26	26	y	y					
		50	120	C	10YR5/3	och	mmd	1	poor		49	26	y	y					
									Total		**125**	**102**							
									MD		35	26							
									Droughtiness grade (DR)		1	1							
150	T	0	30	hCL	10YR4/2	och	fmd	1			53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	mmd	1	poor		74	52	y	y					
									Total		**128**	**105**							

									MD	38	29							
								Droughtiness grade (DR)		1	1							
151	T	0	35	C	10YR4/2	och	fff	1		59	59	n	n	*IV*	3b	**3b**	WE	
		35	120	C	10YR5/2	och	cmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	37	28							
								Droughtiness grade (DR)		1	1							
152	T	0	30	C	10YR4/2	och	fmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/2	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	35	26							
								Droughtiness grade (DR)		1	1							
153	T	0	30	hCL	10YR4/2	och	mmd	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/3	och	cmd	1	poor	13	13	y	y					
		40	50	SL	10YR5/2	och	cmd	1		15	15	y	n					
		50	120	C	10YR5/2	och	cmd	1	poor	49	26	y	y					
									Total	**130**	**107**							
									MD	40	31							
								Droughtiness grade (DR)		1	1							

Panel Area C

Stone types		
%	TAv	EAv
hard	1	0.5
N/A		

hard flint & pebble

Climate Data	
MDwheat	94
MDpotato	81
FCD	161

Wetness Class Guidelines	II	III	IV	V
SPL within 80cm, gleying within 40cm	>71cm	44-71cm	<44cm	
SPL within 80cm, gleying at 40-70cm	>57cm	<57cm		
No SPL but gleying within 40cm	coarse subsoil	I	other cases	II

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% N/A	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
154	T	0	33	C		7.5YR3/3	och	mff	5			53	53	n	n	*IV*	3b	**3b**	WE
		33	120	C		5YR5/3	och	mmd	1		poor	71	48	y	y				
											Total	**125**	**102**						
											MD	31	21						
									Droughtiness grade (DR)			1	1						
155	T	0	40	hCL		7.5YR3/3			5			69	69	n	n	*III*	3b	**3b**	WE
		40	60	C		10YR5/3	och	cmp	1			24	32	y	n				
		60	120	C		5YR5/3	och	mfd	1		poor	42	13	y	y				
											Total	**135**	**114**						
											MD	41	33						
									Droughtiness grade (DR)			1	1						
156	T	0	30	C		7.5YR3/3	och	mmd	5			49	49	n	n	*IV*	3b	**3b**	WE
		30	120	C		5YR5/1	grey	mmp	1		poor	75	52	y	y				
											Total	**124**	**101**						
											MD	30	20						
									Droughtiness grade (DR)			1	1						
157	T	0	35	C		7.5YR3/3	och grey	mff	5			57	57	n	n	*IV*	3b	**3b**	WE
		35	120	C		5YR5/3	&red	mfd	1		poor	69	46	y	y				
											Total	**125**	**102**						
											MD	31	21						
									Droughtiness grade (DR)			1	1						
158	T	0	35	C		7.5YR3/3	och grey	mff	5			57	57	n	n	*IV*	3b	**3b**	WE
		35	120	C		5YR5/3	&red	mfd	1		poor	69	46	y	y				
											Total	**125**	**102**						

									MD	31	21							
								Droughtiness grade (DR)		1	1							
159	T	0	35	hCL	7.5YR3/3	och	mff	1		60	60	n	n	*IV*	3b	**3b**	WE	
		35	120	C	5YR5/3	red	mmd	1	poor	69	46	y	y					
									Total	**129**	**106**							
									MD	35	25							
								Droughtiness grade (DR)		1	1							
160	T	0	20	hCL	7.5YR3/3	och	mmd	1		34	34	n	n	*IV*	3b	**3b**	WE	
		20	120	C	5YR5/3	och/grey	mmd	1	poor	88	65	y	y					
									Total	**122**	**99**							
									MD	28	18							
								Droughtiness grade (DR)		2	1							
161	T	0	30	hCL	7.5YR3/3	och	mmd	1		51	51	n	n	*III*	3b	**3b**	WE	
		30	50	C	7.5YR5/3	och/grey	mmd	1		32	32	y	n					
		50	70	C	10YR5/3	och/grey	mmd	1	poor	14	26	y	y					
		70	120	C	5YR5/3	red/grey	cmd	1	poor	35	0	y	y					
									Total	**132**	**109**							
									MD	38	28							
								Droughtiness grade (DR)		1	1							
162	T	0	30	hCL	7.5YR3/3	och	mmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	red	cmd	1	poor	75	52	y	y					
									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1							
163	T	0	30	hCL	7.5YR3/3	och	mmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	65	C	10YR5/3	och	cmd	1	poor	37	46	y	y					
		65	120	C	10YR4/2	red	mmd	1	poor	39	7	y	y					
									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1							
164	T	0	30	C	7.5YR3/3	och	fff	5		49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	mmd	1	poor	75	52	y	y					

									Total	**124**	**101**							
									MD	30	20							
								Droughtiness grade (DR)		1	1							
165	T	0	30	hCL	7.5YR3/3	och	fmf	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	60	C	10YR4/2	och	cmd	1	poor	33	39	y	y					
		60	120	C	7.5YR5/3	red	mmd	1	poor	42	13	y	y					
									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1							
166	T	0	20	hCL	7.5YR3/3	och	fff	1		34	34	n	n	*IV*	3b	**3b**	WE	
		20	120	C	5YR5/3	red	mmd	1	poor	88	65	y	y					
									Total	**122**	**99**							
									MD	28	18							
								Droughtiness grade (DR)		2	1							
167	T	0	30	hCL	7.5YR3/3	och	fff	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	65	C	10YR5/3	och/red	mmd	1	poor	37	46	y	y					
		65	120	C	5YR5/3	red	cmp	1	poor	39	7	y	y					
									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1							
168	T	0	30	C	7.5YR3/3	och	fff	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	grey	cmd	1	poor	75	52	y	y					
									Total	**124**	**101**							
									MD	30	20							
								Droughtiness grade (DR)		1	1							
169	T	0	30	hCL	7.5YR3/3	och	fmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	grey	cmd	1	poor	75	52	y	y					
									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1							
170	T	0	30	C	7.5YR3/3	och	fff	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	grey	cmd	1	poor	75	52	y	y					

										Total	**124**	**101**							
										MD	30	20							
									Droughtiness grade (DR)		1	1							
171	T	0	30	C	7.5YR3/3	och	fff	1			49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	grey	cmd	1		poor	75	52	y	y					
										Total	**124**	**101**							
										MD	30	20							
									Droughtiness grade (DR)		1	1							
172	T	0	30	C	7.5YR3/3	och	fff	1			49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	grey	cmd	1		poor	75	52	y	y					
										Total	**124**	**101**							
										MD	30	20							
									Droughtiness grade (DR)		1	1							
173	T	0	40	C	7.5YR3/3	och	fff	1			65	65	n	n	*IV*	3b	**3b**	WE	
		40	120	C	5YR5/3	red	mmd	1		poor	62	39	y	y					
										Total	**127**	**104**							
										MD	33	23							
									Droughtiness grade (DR)		1	1							
174/P3	T	0	35	C	7.5YR3/3	och	fmd	1			49	49	n	n	*IV*	3b	**3b**	WE	
		35	60	C	10YR5/3	red	cmd	1		poor	33	39	y	y					
		60	120	C	2.5Y4/1	red	mmd	1		poor	42	13	y	y					
										Total	**124**	**101**							
										MD	30	20							
									Droughtiness grade (DR)		1	1							
175	T	0	30	C	7.5YR3/3	och	mff	1			49	49	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/2	red	mmp	1		poor	13	13	y	y					
		40	120	C	5YR5/3	red	cmp	1		poor	62	39	y	y					
										Total	**124**	**101**							
										MD	30	20							
									Droughtiness grade (DR)		1	1							
176	T	0	30	C	7.5YR3/3			5			49	49	n	n	*IV*	3b	**3b**	WE	
		30	35	C	10YR5/2	och	mmd	1			8	8	y	n					

		35	120	C	5YR5/3	grey/och	cmd	1	poor	69	46	y	y					
									Total	**125**	**102**							
									MD	31	21							
									Droughtiness grade (DR)	1	1							
177	T	0	15	C	7.5YR3/3	och	mff	1		24	24	n	n	*IV*	3b	**3b**	WE	
		15	120	C	7.5YR5/3	red/och	mmd	1	poor	95	72	y	y					
									Total	**119**	**96**							
									MD	25	15							
									Droughtiness grade (DR)	2	1							
178	T	0	30	C	7.5YR3/3	och	mmd	5		49	49	n	n	*IV*	3b	**3b**	WE	
		30	40	C	5YR5/3	och	mmd	1	poor	13	13	y	y					
		40	120	C	5YR5/3	grey	cmd	1	poor	62	39	y	y					
									Total	**124**	**101**							
									MD	30	20							
									Droughtiness grade (DR)	1	1							
179	T	0	40	hCL	7.5YR3/3	och	mmd	1		69	69	n	n	*IV*	3b	**3b**	WE	
		40	50	C	7.5YR5/3	och	mmd	1	poor	16	16	y	y					
		50	120	C	5YR5/3	red	cmp	1	poor	49	26	y	y					
									Total	**134**	**111**							
									MD	40	30							
									Droughtiness grade (DR)	1	1							
180	T	0	40	C	7.5YR3/3	och	mmd	1		65	65	n	n	*IV*	3b	**3b**	WE	
		40	120	C	7.5YR5/3	red	cmd	1	poor	62	39	y	y					
									Total	**127**	**104**							
									MD	33	23							
									Droughtiness grade (DR)	1	1							
181	T	0	30	C	7.5YR3/3	och	mmd	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	60	C	7.5YR5/3	och	cmd	1	poor	33	39	y	y					
		60	120	C	10YR5/3	och	cmd	1	poor	42	13	y	y					
									Total	**124**	**101**							
									MD	30	20							
									Droughtiness grade (DR)	1	1							

182	T	0	20	hCL	7.5YR3/3			1		34	34	n	n	*IV*	3b	**3b**	WE
		20	35	hCL	7.5YR3/3	och	mmd	1		24	24	n	n				
		35	65	C	7.5YR5/3	och	cmd	1	poor	30	39	y	y				
		65	120	C	5YR5/3	och	cmd	1	poor	39	7	y	y				
									Total	**127**	**104**						
									MD	33	23						
								Droughtiness grade (DR)		1	1						
183	T	0	40	hCL	7.5YR3/3	och	mff	1		69	69	n	n	*III*	3b	**3b**	WE
		40	50	C	7.5YR5/3	och	cmd	1		16	16	y	n				
		50	120	C	5YR5/3	och	cmd	1	poor	49	26	y	y				
									Total	**134**	**111**						
									MD	40	30						
								Droughtiness grade (DR)		1	1						
184	T	0	35	C	7.5YR3/3	och	mfd	1		57	57	n	n	*IV*	3b	**3b**	WE
		35	50	C	7.5YR5/3	och	cmd	1	poor	20	20	y	y				
		50	120	C	5YR5/3	och	cmd	1	poor	49	26	y	y				
									Total	**125**	**102**						
									MD	31	21						
								Droughtiness grade (DR)		1	1						
185	T	0	35	C	7.5YR3/3	och	mmd	1		57	57	n	n	*IV*	3b	**3b**	WE
		35	60	C	7.5YR5/3	och	cmd	1	poor	20	20	y	y				
		60	120	C	5YR5/3	och	cmd	1	poor	49	26	y	y				
									Total	**125**	**102**						
									MD	31	21						
								Droughtiness grade (DR)		1	1						
186	T	0	30	C	7.5YR3/3	och	fmf	1		49	49	n	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	Grey and Red	cmd	1	poor	75	52	y	y				
									Total	**124**	**101**						
									MD	30	20						
								Droughtiness grade (DR)		1	1						
187	T	0	30	hCL	7.5YR3/3	och	fmf	1		51	51	n	n	*IV*	3b	**3b**	WE

		30	120	C	5YR5/3	Grey and Red	cmd	1	poor	75	52	y	y					
									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1							
188	T	0	20	hCL	7.5YR3/3	och	fmd	1		34	34	n	n	*IV*	3b	**3b**	WE	
		20	120	C	5YR5/3	Grey	cmp	1	poor	88	65	y	y					
									Total	**122**	**99**							
									MD	28	18							
								Droughtiness grade (DR)		2	1							
189	T	0	30	hCL	7.5YR3/3	och	mmf	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/3	och	cmd	1	poor	26	26	y	y					
		50	120	C	5YR5/3	Grey	cmd	1	poor	49	26	y	y					
									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1							
190	T	0	30	C	7.5YR3/3	och	mmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	60	C	7.5YR5/3	och	cmd	1	poor	26	26	y	y					
		60	120	C	5YR5/3	Grey & Red	cmd	1	poor	49	26	y	y					
									Total	**126**	**103**							
									MD	32	22				Bright Ochreous and in USS			
								Droughtiness grade (DR)		1	1							
191	T	0	10	C	7.5YR3/3	och	mmd	1		16	16	n	n	*IV*	3b	**3b**	WE	
		10	50	C	7.5YR5/3	och	cmd	1	poor	64	64	y	y					
		50	120	C	5YR5/3	Grey & Red	mmd	1	poor	49	26	y	y					
									Total	**129**	**106**							
									MD	35	25							
								Droughtiness grade (DR)		1	1							
192	T	0	30	C	7.5YR3/3	och	fmf	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmd	1	poor	75	52	y	y					
									Total	**124**	**101**							
									MD	30	20							

								Droughtiness grade (DR)		1	1							
193	T	0	40	hCL	7.5YR3/3	och	cmd	1		69	69	n	n	*IV*	3b	**3b**	WE	
		40	120	C	5YR5/3	och	mmd	1	poor	62	39	y	y					
									Total	**131**	**108**							
									MD	37	27							
								Droughtiness grade (DR)		1	1							
194	T	0	30	hCL	7.5YR3/3	och	fmf	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	50	SC	7.5YR5/3	och	mmd	1	poor	26	26	y	y					
		50	120	C	5YR5/3	Red & Grey	mmd	1	poor	49	26	y	y					
									Total	**126**	**103**							
									MD	32	22			Mixed Sand and Clay layer USS				
								Droughtiness grade (DR)		1	1							
195	T	0	25	C	7.5YR3/3			1		41	41	n	n	*IV*	3b	**3b**	WE	
		25	50	C	7.5YR5/3	och	mmd	1	poor	40	40	y	y					
		50	120	C	5YR5/3	Red & Grey	cmd	1	poor	49	26	y	y					
									Total	**130**	**107**							
									MD	36	26							
								Droughtiness grade (DR)		1	1							
196	T	0	35	C	7.5YR3/3	och	mmd	1		57	57	n	n	*IV*	3b	**3b**	WE	
		35	120	C	5YR5/3	Red & Grey	mmd	1	poor	69	46	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
197	T	0	40	C	7.5YR3/3	och	mff	1		65	65	n	n	*IV*	3b	**3b**	WE	
		40	120	C	10YR5/3	och	mfd	1	poor	62	39	y	y					
									Total	**127**	**104**							
									MD	33	23							
								Droughtiness grade (DR)		1	1							
198	T	0	30	C	5YR3/3	och	mmd	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	mmd	1	poor	75	52	y	y					
									Total	**124**	**101**							

									MD	30	20							
								Droughtiness grade (DR)		1	1							
199	T	0	30	C	7.5YR3/3	och	mmd	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmp	1	poor	75	52	y	y					
									Total	**124**	**101**							
									MD	30	20							
								Droughtiness grade (DR)		1	1							
200	T	0	33	C	7.5YR3/3	och	mmd	1		53	53	n	n	*IV*	3b	**3b**	WE	
		33	60	C	10YR5/3	och	cmp	1	poor	29	35	y	y					
		60	120	C	5YR5/3	Red & Grey	cmd	1	poor	42	13	y	y					
									MD	**125**	**102**							
								Droughtiness grade (DR)		1	1							
201	T	0	30	C	7.5YR3/3	och	mmd	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	60	C	10YR 5/3	och	cmp	1	poor	29	35	y	y					
		60	120	C	5YR5/3	Red & Grey	cmd	1	poor	42	13	y	y					
									MD	**125**	**102**							
								Droughtiness grade (DR)		1	1							
202	T	0	30	C	7.5YR3/3	och	mmd	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	60	C	10YR5/3	och	cmp	1	poor	29	35	y	y					
		60	120	C	5YR5/3	Red & Grey	cmd	1	poor	42	13	y	y					
									MD	**125**	**102**							
								Droughtiness grade (DR)		1	1							
203	T	0	25	C	7.5YR3/3	och	mmd	1		41	41	n	n	*IV*	3b	**3b**	WE	
		25	50	C	10YR5/3	och	cmp	1	poor	33	33	y	y					
		50	120	C	5YR5/3	Red & Grey	cmd	1	poor	49	26	y	y					
									MD	**122**	**99**							
								Droughtiness grade (DR)		1	1							
204	T	0	30	C	7.5YR3/3	och	mmd	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	60	C	7.5YR5/3	och	cmp	1	poor	33	39	y	y					
		60	120	C	5YR5/3	Red	cfp	1	poor	42	13	y	y					

									MD	**124**	**101**							
								Droughtiness grade (DR)		1	1							
205	T	0	30	C	7.5YR3/3	och	mmd	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	50	C	7.5YR5/3	och	cmp	1	poor	26	26	y	y					
		50	120	C	5YR5/3	Red	cfp	1	poor	49	26	y	y					
									MD	**124**	**101**							
								Droughtiness grade (DR)		1	1							
206	T	0	25	C	7.5YR3/3	och	mmd	1		41	41	n	n	*IV*	3b	**3b**	WE	
		25	50	C	7.5YR5/3	och	cmd	10	poor	30	30	y	y					
		50	120	C	5YR5/3	Red	cfp	1	poor	49	26	y	y					
									MD	**119**	**96**							
								Droughtiness grade (DR)		1	1							
207	T	0	30	C	7.5YR3/3	och	mmd	1		49	49	n	n	*IV*	3b	**3b**	WE	
		30	55	C	7.5YR5/3	och	mmd	1	poor	30	33	y	y					
		55	120	C	5YR5/3	Red	mmd	1	poor	46	20	y	y					
									MD	**124**	**101**							
								Droughtiness grade (DR)		1	1							
208	T	0	30	hCL	7.5YR3/3	och	mmd	5		51	51	n	n	*IV*	3b	**3b**	WE	
		30	55	C	10YR5/3	och	mmd	1	poor	30	33	y	y					
		55	120	C	5YR5/3	Red	mmd	1	poor	46	20	y	y					
									MD	**126**	**103**							
								Droughtiness grade (DR)		1	1							
209	T	0	40	C	7.5YR3/3	och	fmd	1		65	65	n	n	*IV*	3b	**3b**	WE	
		40	120	C	5YR5/3	Red/grey	mmd	1	poor	62	39	y	y					
									MD	**127**	**104**							
								Droughtiness grade (DR)		1	1							
210	T	0	30	C	7.5YR3/3	och	mmd	5		49	49	n	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR6/1	och	cmd	1	poor	26	26	y	y					
		50	120	C	5YR5/3	Grey	mmp	0	poor	49	26	y	y					
									MD	**124**	**101**							
								Droughtiness grade (DR)		1	1							

211	T	0	20	C		7.5YR3/3	och	mmd	5			32	32	n	n	*IV*	3b	**3b**	WE
		20	120	C		5YR5/6	och	cmd	1		poor	88	65	y	y				
											MD	**120**	**97**						
										Droughtiness grade (DR)		1	1						

Panel Area D

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7

hard flint & pebble

Climate Data	
MDwheat	94
MDpotato	81
FCD	160

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	>71cm	44-71cm	<44cm	
SPL within 80cm, gleying at 40-70cm	>57cm	<57cm		
No SPL but gleying within 40cm	coarse subsoil	*I*	other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		**Depth cm**		**Texture**	**$CaCO_3$**	**Colour**	**Mottle colour**	**abund-ance**	**stone% hard**	**stone% chalk**	**Struct-ure**	**APwheat mm**	**AP potato mm**	**Gley**	**SPL**	**WC**	**Wetness grade WE**	**Final Grade**	**Limiting Factor(s)**
212	T	0	30	hCL		7.5YR3/2	och	fmd	1			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C		7.5YR5/3	red	cmd	1		poor	74	52	y	y				
											Total	**126**	**103**						
											MD	32	22						
										Droughtiness grade (DR)		1	1						
213	T	0	30	hCL		7.5YR3/2			1		-	51	51	n	n	*IV*	3b	**3b**	WE
		30	40	C		7.5YR5/3	red	mmd	1			16	16	y	y				
		40	120	C		7.5YR5/3	red	cmd	1		poor	61	39	y	y				
											Total	**129**	**106**						
											MD	35	25						
										Droughtiness grade (DR)		1	1						
214	T	0	25	hCL		10YR4/2			1			45	45	n	n	*III*	3b	**3b**	WE
		25	60	C		10YR5/3	red	mff	1			48	55	y	n				
		60	120	C		10YR5/3	red	mmd	1		poor	42	13	y	y				
											Total	**134**	**113**						
											MD	40	32				Slight organic, slight slope		
										Droughtiness grade (DR)		1	1						
215	T	0	30	hCL		7.5YR3/2	och	fmd	1			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C		7.5YR5/3	red	cmd	1		poor	74	52	y	y				

									Total	**126**	**103**							
									MD	32	22							
								Droughtiness grade (DR)		1	1				Slight organic			
216	T	0	30	hCL	10YR4/2	och	fmd	1		53	53	n	n	*III*	3b	**3b**	WE	
		30	55	C	10YR5/3	och	mmd	1		36	40	y	n					
		55	120	C	7.5YR5/3	och	cmd	1	poor	45	19	y	y					
									Total	**134**	**112**							
									MD	40	31							
								Droughtiness grade (DR)		1	1							
217	T	0	30	hCL	10YR4/2	och	fmd	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/3	och	cmd	1	poor	16	16	y	y					
		40	60	C	10YR5/3	och	cmd	1	poor	20	26	y	y					
		60	120	C	10YR5/2	och	cmd	1	poor	42	13	y	y					
									Total	**131**	**108**							
									MD	37	27							
								Droughtiness grade (DR)		1	1							
218	T	0	30	hCL	10YR4/2	och	mmd	1		53	53	y	n	*III*	3b	**3b**	WE	
		30	45	C	10YR5/3	och	cmd	1		24	24	y	n					
		45	120	C	10YR5/2	och	cmd	1	poor	55	32	y	y					
									Total	**132**	**109**							
									MD	38	28							
								Droughtiness grade (DR)		1	1							
219	T	0	20	C	10YR3/2	och	mmd	1		34	34	(y)	n	*IV*	3b	**3b**	WE	
		20	120	C	7.5YR5/3	red	cmd	1	poor	87	64	y	y					
									Total	**121**	**98**							
									MD	27	17							
								Droughtiness grade (DR)		2	1							
220	T	0	30	hCL	10YR3/2	och	mmd	1		53	53	(y)	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**128**	**105**							
									MD	34	24							
								Droughtiness grade (DR)		1	1							

221	T	0	30	hCL	10YR4/2	och	mmd	1		53	53	y	n	*III*	3b	**3b**	WE
		30	45	C	7.5YR5/3	och	mmd	1		24	24	y	n				
		45	120	C	7.5YR5/3	och	cmd	1	poor	55	32	y	y				
									Total	**132**	**109**						
									MD	38	28						
									Droughtiness grade (DR)	1	1						
222	T	0	30	C	10YR4/2	och	fff	1		51	51	n	n	*III*	3b	**3b**	WE
		30	45	C	7.5YR5/3	och	mmd	1		24	24	y	n				
		45	55	SL	7.5YR5/3	och	mmd	1		13	15	y	n				
		55	120	C	7.5YR5/3	och	cmd	1	poor	45	19	y	y				
									Total	**132**	**108**						
									MD	38	27						
									Droughtiness grade (DR)	1	1						
223	T	0	25	C	10YR4/2	och	cmd	1		42	42	y	n	*IV*	3b	**3b**	WE
		25	120	C	10YR5/3	och	cmp	1	poor	81	58	y	y				
									Total	**123**	**100**						
									MD	29	19						
									Droughtiness grade (DR)	2	1						
224	T	0	30	C	10YR4/2	och	fff	1		51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	31	21						
									Droughtiness grade (DR)	1	1						
225	T	0	30	C	10YR4/2	och	fmd	1		51	51	n	n	*III*	3b	**3b**	WE
		30	50	SCL	10YR5/2/ 7.5YR4/3	och	cmd	1		30	30	y	n				
		50	120	C	7.5YR5/3	och	cmd	1	poor	49	26	y	y				
									Total	**129**	**106**						
									MD	35	25			SS Mixed Sp C and SL			
									Droughtiness grade (DR)	1	1						
226	T	0	25	C	10YR4/2	och	fff	1		42	42	n	n	*IV*	3b	**3b**	WE
		25	120	C	7.5YR5/3	och	cmd	1	poor	81	58	y	y				

										Total	**123**	**100**							
										MD	29	19							
									Droughtiness grade (DR)		2	1							
227	T	0	25	C	10YR4/2	och	mmd	1			42	42	y	n	*IV*	3b	**3b**	WE	
		25	120	C	10YR4/1	och	cmd	1		poor	81	58	y	y					
										Total	**123**	**100**							
										MD	29	19					Waterlogged at 50		
									Droughtiness grade (DR)		2	1							
228	T	0	30	C	10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmd	1		poor	74	52	y	y					
										Total	**125**	**102**							
										MD	31	21							
									Droughtiness grade (DR)		1	1							
229	T	0	20	C	7.5YR4/2	och	fff	1			34	34	n	n	*IV*	3b	**3b**	WE	
		20	120	C	7.5YR5/3	red	cmd	1		poor	87	64	y	y					
										Total	**121**	**98**							
										MD	27	17							
									Droughtiness grade (DR)		2	1							
230	T	0	30	C	7.5YR4/2	och	mmd	1			34	34	y	n	*IV*	3b	**3b**	WE	
		30	60	C	7.5YR5/3	red	cmd	1		poor	87	64	y	y					
		60	120	C	7.5YR5/3	och	cmd	1		poor	87	64	y	y					
										Total	**121**	**98**					Base of slope Mixed Sand and C USS		
										MD	27	17							
									Droughtiness grade (DR)		2	1							
231	T	0	30	C	10YR4/2			1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/3	och	cmd	1			16	16	y	n					
		40	120	C	10YR5/3	och	cmd	1		poor	61	39	y	y					
										Total	**128**	**105**							
										MD	34	24							
									Droughtiness grade (DR)		1	1							
232	T	0	25	C	7.5YR4/2	och	mmd	1			42	42	y	n	*IV*	3b	**3b**	WE	
		25	120	C	5YR5/3	och/grey	mmd	1		poor	81	58	y	y					

										Total	**123**	**100**						
										MD	29	19						
									Droughtiness grade (DR)		2	1						
233	T	0	30	C	7.5YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och/grey	mmd	1		poor	74	52	y	y				
										Total	**125**	**102**						
										MD	31	21						
									Droughtiness grade (DR)		1	1						
234	T	0	30	hCL	10YR4/2	och	fff	1			53	53	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmp	1		poor	74	52	y	y				
										Total	**128**	**105**						
										MD	34	24						
									Droughtiness grade (DR)		1	1						
235	T	0	30	C	7.5YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	red/grey	cmd	5		poor	72	50	y	y				
										Total	**122**	**100**						
										MD	28	19						
									Droughtiness grade (DR)		2	1						
236	T	0	30	C	10YR4/2	och	fmd	1			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	och	cmd	1		poor	74	52	y	y				
										Total	**125**	**102**						
										MD	31	21						
									Droughtiness grade (DR)		1	1						
237	T	0	30	hCL	10YR4/2	och	fff	1			53	53	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	red/grey	cmp	1		poor	74	52	y	y				
										Total	**128**	**105**						
										MD	34	24						
									Droughtiness grade (DR)		1	1						
238	T	0	30	C	10YR4/2	och	fff	1			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	red/grey	cmp	1		poor	74	52	y	y				
										Total	**125**	**102**						
										MD	31	21						

								Droughtiness grade (DR)		1	1							
239	T	0	30	C	10YR4/2	och	fmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	red/grey	cmp	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
240	T	0	30	C	7.5YR4/2	och	fmd	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	45	C	10YR4/1	red/grey	cmp	10	poor	18	18	y	y					
		45	120	C	7.5YR5/3	red/grey	cmp	1	poor	55	32	y	y					
									Total	**123**	**100**						Coal frags and sandy inclusions SS	
									MD	29	19							
								Droughtiness grade (DR)		2	1							
241	T	0	30	hCL	10YR4/2	och	fff	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	2.5YR5/3	och	ccp	1	poor	74	52	y	y					
									Total	**128**	**105**							
									MD	34	24							
								Droughtiness grade (DR)		1	1							
242	T	0	30	hCL	10YR4/2	och	fff	1		53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmp	1	poor	74	52	y	y					
									Total	**128**	**105**							
									MD	34	24							
								Droughtiness grade (DR)		1	1							
243/P4	T	0	35	hCL	10YR4/2	och	mmd	1		62	62	y	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR5/3	red/grey	cmp	1	poor	68	45	y	y					
									Total	**130**	**107**							
									MD	36	26							
								Droughtiness grade (DR)		1	1							
244	T	0	25	hCL	10YR4/2	och	fff	1		45	45	n	n	*IV*	3b	**3b**	WE	
		25	120	C	10YR5/2	och	cmd	1	poor	81	58	y	y					
									Total	**125**	**103**							
									MD	31	22							
								Droughtiness grade (DR)		1	1							

245	T	0	30	hCL	10YR4/2	och	fff	1		53	53	n	n	*III*	3b	**3b**	WE
		30	50	C	10YR5/2	och	mmd	1		26	26	y	n				
		50	120	C	7.5YR5/3	red/grey	cmd	1	poor	49	26	y	y				
									Total	**128**	**105**						
									MD	34	24						
									Droughtiness grade (DR)	1	1						
246	T	0	30	hCL	10YR4/2	och	fff	1		53	53	n	n	*IV*	3b	**3b**	WE
		30	45	C	7.5YR5/3	och	mmd	1	poor	19	19	y	y				
		45	120	C	5YR5/3	red/grey	cmd	1	poor	55	32	y	y				
									Total	**128**	**105**						
									MD	34	24						
									Droughtiness grade (DR)	1	1						
247	T	0	25	hCL	10YR4/2	och	fff	1		45	45	n	n	*IV*	3b	**3b**	WE
		25	120	C	10YR5/3	och	cmd	1	poor	81	58	y	y				
									Total	**125**	**103**						
									MD	31	22						
									Droughtiness grade (DR)	1	1						
248	T	0	30	C	7.5YR4/2			1		51	51	n	n	*III*	3b	**3b**	WE
		30	45	C	7.5YR5/3	och	mmd	1		24	24	y	n				
		45	120	C	5YR5/3	red/grey	mmd	1	poor	55	32	y	y				
									Total	**129**	**106**						
									MD	35	25						
									Droughtiness grade (DR)	1	1						
249	T	0	30	C	7.5YR4/2	och	fff	1		51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	31	21						
									Droughtiness grade (DR)	1	1						
250	T	0	20	C	7.5YR4/2	och	fff	1		34	34	n	n	*IV*	3b	**3b**	WE
		20	120	C	7.5YR5/3	och	cmd	1	poor	87	64	y	y				
									Total	**121**	**98**						
									MD	27	17						

									Droughtiness grade (DR)	2	1						
251	T	0	20	C	7.5YR4/2	och	fff	1		34	34	n	n	*IV*	3b	**3b**	WE
		20	120	C	7.5YR5/3	och	cmd	1	poor	87	64	y	y				
									Total	**121**	**98**						
									MD	27	17						
									Droughtiness grade (DR)	2	1						
252	T	0	30	hCL	10YR4/2	och	fff	1		53	53	n	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y				
									Total	**128**	**105**						
									MD	34	24						
									Droughtiness grade (DR)	1	1						
253	T	0	30	hCL	7.5YR4/2	och	fff	1		53	53	n	n	*IV*	3b	**3b**	WE
		30	40	C	7.5YR5/3	och	mmd	1		16	16	y	n				
		40	120	C	5YR5/3	och	mmd	1	poor	61	39	y	y				
									Total	**131**	**108**						
									MD	37	27						
									Droughtiness grade (DR)	1	1						
254	T	0	40	hCL	7.5YR4/2	och	mmd	1		71	71	y	n	*III*	3b	**3b**	WE
		40	50	SC	10YR5/3	och	cmd	1		15	15	y	n				
		50	120	C	5YR5/3	och	mmd	1	poor	49	26	y	y				
									Total	**135**	**112**						
									MD	41	31						
									Droughtiness grade (DR)	1	1						
255	T	0	30	hCL	7.5YR4/2	och	mmd	1		53	53	y	n	*III*	3b	**3b**	WE
		30	45	C	10YR5/3	och	cmd	1		24	24	y	n				
		45	120	C	5YR5/3	och	mmd	1	poor	55	32	y	y				
									Total	**132**	**109**						
									MD	38	28						
									Droughtiness grade (DR)	1	1						
256	T	0	35	C	7.5YR4/2	och	fmd	1		59	59	n	n	*III*	3b	**3b**	WE
		35	45	C	7.5YR5/3	och	mmd	1		16	16	y	n				
		45	120	C	7.5YR5/3	grey/red	mmd	1	poor	55	32	y	y				

									Total	**130**	**107**							
									MD	36	26							
								Droughtiness grade (DR)		1	1							
257	T	0	30	hCL	7.5YR4/2	och	mmd	1		53	53	y	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/3	och	cmp	1	poor	26	26	y	y					
		50	120	C	7.5YR5/3	grey/red	mmd	1	poor	49	26	y	y					
									Total	**128**	**105**							
									MD	34	24							
								Droughtiness grade (DR)		1	1							
258	T	0	35	hCL	7.5YR4/2	och	mmd	1		62	62	y	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR5/3	grey/red	mmd	1	poor	68	45	y	y					
									Total	**130**	**107**							
									MD	36	26							
								Droughtiness grade (DR)		1	1							
259	T	0	35	C	7.5YR4/2	och	fmd	1		59	59	n	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR5/3	och	cmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	33	23							
								Droughtiness grade (DR)		1	1							
260	T	0	25	C	7.5YR4/2	och	mmd	1		42	42	y	n	*IV*	3b	**3b**	WE	
		25	120	C	7.5YR5/3	red/grey	mmd	1	poor	81	58	y	y					
									Total	**123**	**100**							
									MD	29	19							
								Droughtiness grade (DR)		2	1							
261	T	0	30	C	7.5YR4/2	och	mff	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
262	T	0	30	C	7.5YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							

									MD	31	21							
								Droughtiness grade (DR)		1	1							
263	T	0	30	C	7.5YR4/1	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
264	T	0	30	C	7.5YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
265	T	0	30	C	7.5YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
266	T	0	30	C	7.5YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
267	T	0	30	C	7.5YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							
268	T	0	30	C	7.5YR4/2	och	mff	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	31	21							
								Droughtiness grade (DR)		1	1							

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7

hard flint & pebble

Climate Data	
MDwheat	105
MDpotato	96
FCD	158

Wetness Class Guidelines	II	III	IV	V
SPL within 80cm, gleying within 40cm	<70cm	42-70cm	>42cm	
SPL within 80cm, gleying at 40-70cm	>55cm	<55cm		
No SPL but gleying within 40cm	coarse subsoil	I	other cases	II

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% chalk	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
269	T	0	30	C		10YR4/2	och	mff				51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/3	och	cmd			poor	75	52	y	y				
											Total	**126**	**103**						
											MD	32	22						
											Droughtiness grade (DR)	1	1						
270	T	0	30	C		10YR4/2	och	mff				51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/3	och	cmd			poor	75	52	y	y				
											Total	**126**	**103**						
											MD	32	22						
											Droughtiness grade (DR)	1	1						
271	T	0	35	C		10YR4/2	och	mmd				60	60	y	n	*IV*	3b	**3b**	WE
		35	120	C		10YR5/3	och	cmd			poor	69	46	y	y				
											Total	**128**	**105**						
											MD	34	24						
											Droughtiness grade (DR)	1	1						
272	T	0	30	C		10YR4/2	och	mmd				51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/3	och	cmd			poor	75	52	y	y				
											Total	**126**	**103**						
											MD	32	22						
											Droughtiness grade (DR)	1	1						
273	T	0	30	C		10YR4/2	och	mff				51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		10YR5/2	och	cmd			poor	75	52	y	y				
											Total	**126**	**103**						
											MD	32	22						
											Droughtiness grade (DR)	1	1						

274	T	0	30	C	10YR4/2	och	mff			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	32	22						
								Droughtiness grade (DR)		1	1						
275	T	0	30	C	10YR4/2	och	mff			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	32	22						
								Droughtiness grade (DR)		1	1						
276	T	0	35	SCL	10YR4/2	och	mff			60	60	y	n	*IV*	3b	**3b**	WE
		35	120	hCL	5YR5/3	och	mmd		poor	67	42	y	y				
									Total	**126**	**102**						
									MD	32	21						
								Droughtiness grade (DR)		1	1						
277	T	0	30	SCL	7.5YR4/2	och	mff			51	51	y	n	*III*	3a	**3a**	WE
		30	60	SCL	7.5YR5/3	och	mmd			40	45	y	n				
		60	120	SC	7.5YR5/3	och	mmd		poor	60	15	y	y				
									Total	**151**	**111**						
									MD	57	30						
								Droughtiness grade (DR)		1	1						
278	T	0	30	SCL	7.5YR4/2	och	mff			51	51	y	n	*III*	3a	**3a**	WE
		30	60	SCL	7.5YR5/3	och	mmd			40	45	y	n				
		60	120	C	7.5YR5/3	och	mmd		poor	42	13	y	y				
									Total	**133**	**109**						
									MD	39	28						
								Droughtiness grade (DR)		1	1						
279	T	0	40	SCL	10YR4/2	och	mmd			68	68	y	n	*I-II*	2	**2**	WE
		40	120	SL	7.5YR5/3	och	cmd			92	45	y	n				
									Total	**160**	**113**						
									MD	66	32						
								Droughtiness grade (DR)		1	1						

280	T	0	40	hCL	10YR4/3	och	fmd			72	72	n	n	*III-IV*	3b	**3b**	WE
		40	120	C	7.5YR5/3	och	mmd		poor	62	39	y	y				
									Total	**134**	**111**						
									MD	40	30						
								Droughtiness grade (DR)		1	1						
281	T	0	35	SCL	7.5YR4/2	och	fmd			60	60	n	n	*IV*	3b	**3b**	WE
		35	120	SC	7.5YR5/3	och	mmd		poor	76	46	y	y				
									Total	**135**	**105**						
									MD	41	24						
								Droughtiness grade (DR)		1	1						
282	T	0	40	SL	7.5YR4/3	och	mmd			68	68	n	n	*I*	1	**3a**	WE/GW
		40	120	SL	5YR5/3	och	mmd			92	45	y	n				
									Total	**160**	**113**			Probable groundwater - 3a			
									MD	66	32						
								Droughtiness grade (DR)		1	1						
283	T	0	40	SCL	10YR4/2	och	cmd			68	68	y	n	*III*	3a	**3b**	WE/GW
		40	50	SCL	10YR6/1	och	cmd			15	15	y	n				
		50	120	SC	5YR5/3	och	cmd		poor	56	26	y	y				
									Total	**139**	**109**			Juncus reeds - localised waterlogging			
									MD	45	28						
								Droughtiness grade (DR)		1	1						

Panel Area E

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7
hard	flint & pebble	

Climate Data	
MDwheat	96
MDpotato	84
FCD	156

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	<70cm	42-70cm	>42cm	
SPL within 80cm, gleying at 40-70cm	>55cm	<55cm		
No SPL but gleying within 40cm	coarse subsoil	*I*	other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% chalk	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
284	T	0	30	C		10YR4/2	och	mff				51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		5YR5/3	och	mmd			poor	75	52	y	y				
											Total	**126**	**103**						
											MD	30	19						
											Droughtiness grade (DR)	1	1						
285	T	0	30	hCL		10YR4/2	och	fmd				54	54	n	n	*IV*	3b	**3b**	WE
		30	50	C		10YR5/3	och	mmd			poor	26	26	y	y				
		50	120	C		5YR5/3	och	mmd			poor	49	26	y	y				
											Total	**129**	**106**						
											MD	33	22						
											Droughtiness grade (DR)	1	1						
286	T	0	30	C		10YR4/2	och	fff				51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C		5YR5/3	och	mmd			poor	75	52	y	y				
											Total	**126**	**103**						
											MD	30	19						
											Droughtiness grade (DR)	1	1						
287	T	0	30	SCL		10YR4/2	och	fmd				51	51	n	n	*IV*	3b	**3b**	WE
		30	45	C		5YR5/3	och	mmd			poor	20	20	y	y				
		45	120	C		5YR5/3	och	mmd			poor	56	33	y	y				
											Total	**126**	**103**						
											MD	30	19						
											Droughtiness grade (DR)	1	1						
288	T	0	30	hCL		10YR4/2	och	fmd				54	54	n	n	*IV*	3b	**3b**	WE
		30	60	C		10YR5/3	och	mmd			poor	33	39	y	y				
		60	120	C		5YR5/3	och	mmd			poor	42	13	y	y				

									Total	**129**	**106**							
									MD	33	22							
								Droughtiness grade (DR)		1	1							
289	T	0	30	C	10YR4/2	och	mff			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	mmd		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
290	T	0	30	C	10YR4/2	och	mff			51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	mmd		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
291	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/2	och	mmd		poor	26	26	y	y					
		50	120	C	10YR5/3	och	cmd		poor	49	26	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
292	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/2	och	cmd		poor	13	13	y	y					
		40	120	C	5YR5/3	grey	mmd		poor	62	39	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
293	T	0	25	C	10YR4/2	och	fmd			43	43	n	n	*IV*	3b	**3b**	WE	
		25	70	C	10YR5/3	och	cmd		poor	47	59	y	y					
		70	120	C	5YR5/3	grey/red	cmd		poor	35	0	y	y					
									Total	**124**	**101**							
									MD	28	17							
								Droughtiness grade (DR)		2	1							
294	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	

		30	50	C	10YR5/3	och	cmd		poor	26	26	y	y					
		50	120	C	5YR5/3	red	mmd		poor	49	26	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
295	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/3	och	cmd		poor	13	13	y	y					
		40	120	C	5YR5/3	red	mmd		poor	62	39	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
296	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	red/grey	mmd		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
297	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	2.5YR5/3	och	cmd		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
298	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmd		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							
299	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE	
		30	40	C	10YR5/3	och	cmd		poor	13	13	y	y					
		40	120	C	5YR5/3	och	mmd		poor	62	39	y	y					
									Total	**126**	**103**							
									MD	30	19							
								Droughtiness grade (DR)		1	1							

300	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE
		30	70	C	10YR5/3	och	ccp		poor	40	52	y	y				
		70	120	C	5YR5/3	grey	cmd		poor	35	0	y	y				
									Total	**126**	**103**						
									MD	30	19						
								Droughtiness grade (DR)		1	1						
301	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	30	19						
								Droughtiness grade (DR)		1	1						
302	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	30	19						
								Droughtiness grade (DR)		1	1						
303	T	0	30	C	10YR4/2	och	mff			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	30	19						
								Droughtiness grade (DR)		1	1						
304	T	0	20	C	10YR4/2	och	fff			34	34	n	n	*IV*	3b	**3b**	WE
		20	120	C	5YR5/3	och	cmd		poor	88	65	y	y				
									Total	**122**	**99**						
									MD	26	15						
								Droughtiness grade (DR)		2	1						
305	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE
		30	40	C	10YR5/2	och	cmd		poor	13	13	y	y				
		40	120	C	10YR5/3	och	cmd		poor	62	39	y	y				
									Total	**126**	**103**						
									MD	30	19						
								Droughtiness grade (DR)		1	1						

306	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	30	19						
								Droughtiness grade (DR)		1	1						
307	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	cmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	30	19						
								Droughtiness grade (DR)		1	1						

Panel Area F

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7
hard	flint & pebble	

Climate Data	
MDwheat	98
MDpotato	87
FCD	155

Wetness Class Guidelines	II	III	IV	V
SPL within 80cm, gleying within 40cm	<70cm	42-70cm	>42cm	
SPL within 80cm, gleying at 40-70cm	>54cm	<54cm		
No SPL but gleying within 40cm	coarse subsoil	I	other cases	II

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% chalk	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
308	T	0	25	hCL		10YR4/2						45	45	n	n	*IV*	3b	**3b**	WE
		25	35	C		7.5YR5/3	och	mmd				16	16	y	n				
		35	50	C		7.5YR5/3	och	cmd			poor	20	20	y	y				
		50	120	C		7.5YR5/3	och	cmd			poor	49	26	y	y				
											Total	**130**	**107**						
											MD	32	20						
											Droughtiness grade (DR)	1	1						
309	T	0	30	hZCL		10YR4/2	och	fff				57	57	n	n	*IV*	3b	**3b**	WE
		30	120	C		7.5YR5/3	och	cmd			poor	75	52	y	y				
											Total	**132**	**109**						
											MD	34	22						
											Droughtiness grade (DR)	1	1						
310	T	0	30	hCL		10YR4/2	och	fmd				54	54	n	n	*IV*	3b	**3b**	WE
		30	60	C		7.5YR5/3	och	mmd			poor	33	39	y	y				
		60	120	C		5YR4/3	och	mmp			poor	42	13	y	y				
											Total	**129**	**106**						
											MD	31	19						
											Droughtiness grade (DR)	1	1						
311	T	0	30	hCL		10YR4/2	och	fff				54	54	n	n	*IV*	3b	**3b**	WE
		30	60	C		7.5YR5/3	och	mmd			poor	33	39	y	y				
		60	120	C		5YR4/3	och	mmp			poor	42	13	y	y				
											Total	**129**	**106**						
											MD	31	19						
											Droughtiness grade (DR)	1	1						
312	T	0	30	C		10YR4/2	och	fmd				51	51	n	n	*IV*	3b	**3b**	WE

		30	60	C	7.5YR5/3	och	mmd		poor	33	39	y	y					
		60	120	C	5YR4/3	och	mmp		poor	42	13	y	y					
									Total	**126**	**103**							
									MD	28	16							
								Droughtiness grade (DR)		2	1							
313	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmp		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	28	16							
								Droughtiness grade (DR)		2	1							
314	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmp		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	28	16							
								Droughtiness grade (DR)		2	1							
315	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE	
		30	45	C	10YR5/3	och	cmd		poor	20	20	y	y					
		45	120	C	5YR5/3	och	cmd		poor	56	33	y	y					
									Total	**126**	**103**							
									MD	28	16							
								Droughtiness grade (DR)		2	1							
316	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	och	cmp		poor	75	52	y	y					
									Total	**126**	**103**							
									MD	28	16							
								Droughtiness grade (DR)		2	1							
317	T	0	30	SCL	10YR4/2	och	fmd			51	51	n	n	*I*	1	**1**	N/A	
		30	120	SL	7.5YR4/2	och	mmd			107	60	y	n					
									Total	**158**	**111**							
									MD	60	24							
								Droughtiness grade (DR)		1	1							
318	T	0	30	SCL	10YR4/2	och	fmd			51	51	n	n	*II*	2	**2**	WE	

		30	120	SCL	7.5YR4/2	red	mmd		100	60	y	n					
								Total	**151**	**111**							
								MD	53	24							
								Droughtiness grade (DR)	1	1							
319	T	0	30	SCL	10YR4/2	och	fmd		51	51	y	n	*II*	2	**2**	WE	
		30	70	SCL	7.5YR4/2	och	mmd		50	60	y	n					
		70	120	SC	7.5YR5/2	och	mmd		50	0	y	n					
								Total	**151**	**111**							
								MD	53	24							
								Droughtiness grade (DR)	1	1							
320	T	0	35	hCL	10YR4/2	och	fmd		63	63	n	n	*IV*	3b	**3b**	WE	
		35	120	C	5YR5/3	red	mmd	poor	69	46	y	y					
								Total	**132**	**109**							
								MD	34	22							
								Droughtiness grade (DR)	1	1							
321	T	0	30	hCL	10YR4/2	och	fmd		54	54	n	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR4/2	red	mmd	poor	69	46	y	y					
								Total	**122**	**100**							
								MD	24	13							
								Droughtiness grade (DR)	2	1							
322	T	0	30	hCL	10YR4/2	och	fff		54	54	n	n	*IV*	3b	**3b**	WE	
		30	60	C	10YR5/3	och	mmd	poor	33	39	y	y					
		60	120	C	5YR5/3	red	mmd	poor	42	13	y	y					
								Total	**129**	**106**							
								MD	31	19							
								Droughtiness grade (DR)	1	1							
323	T	0	30	hCL	10YR4/2	och	fmd		54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	red	mmd	poor	75	52	y	y					
								Total	**129**	**106**							
								MD	31	19							
								Droughtiness grade (DR)	1	1							
324	T	0	30	hCL	10YR4/2	och	fmd		54	54	n	n	*IV*	3b	**3b**	WE	

		30	120	C	5YR5/3	red	mmd	poor	75	52	y	y						
								Total	**129**	**106**								
								MD	31	19								
								Droughtiness grade (DR)	1	1								
325	T	0	30	hCL	10YR4/2	och	fmd		54	54	n	n	*IV*	3b	**3b**	WE		
		30	50	C	10YR5/3	och	mmd	poor	26	26	y	y						
		50	120	C	5YR5/3	red	mmd	poor	49	26	y	y						
								Total	**129**	**106**								
								MD	31	19								
								Droughtiness grade (DR)	1	1								
326	T	0	30	hCL	10YR4/2	och	mff		54	54	y	n	*IV*	3b	**3b**	WE		
		30	120	C	7.5YR5/3	red	mmd	poor	75	52	y	y						
								Total	**129**	**106**								
								MD	31	19								
								Droughtiness grade (DR)	1	1								
327	T	0	30	C	10YR4/2	och	mff		51	51	y	n	*IV*	3b	**3b**	WE		
		30	120	C	10YR5/3	red	mmd	poor	75	52	y	y						
								Total	**126**	**103**								
								MD	28	16								
								Droughtiness grade (DR)	2	1								
328	T	0	30	C	10YR4/2	och	fff		51	51	n	n	*IV*	3b	**3b**	WE		
		30	120	C	7.5YR5/3	red	mmd	poor	75	52	y	y						
								Total	**126**	**103**								
								MD	28	16								
								Droughtiness grade (DR)	2	1								
329	T	0	30	C	10YR4/2	och	fmd		51	51	n	n	*IV*	3b	**3b**	WE		
		30	120	C	7.5YR5/3	och	mmd	poor	75	52	y	y						
								Total	**126**	**103**								
								MD	28	16								
								Droughtiness grade (DR)	2	1								
330	T	0	30	hCL	10YR4/2	och	fff		54	54	n	n	*IV*	3b	**3b**	WE		
		30	120	C	7.5YR5/3	och	mmd	poor	75	52	y	y						

								Total	**129**	**106**							
								MD	31	19							
							Droughtiness grade (DR)		1	1							
331	T	0	35	SCL	10YR4/2				60	60	n	n	*II*	2	**2**	WE		
		35	120	SCL	7.5YR4/2	och	cff		93	53	y	n						
								Total	**152**	**112**							
								MD	54	25							
							Droughtiness grade (DR)		1	1							
332	T	0	35	SCL	10YR4/2				60	60	n	n	*I*	1	**1**	N/A		
		35	120	SL	7.5YR4/2	och	fff		100	53	n	n						
								Total	**159**	**112**							
								MD	61	25							
							Droughtiness grade (DR)		1	1							
333	T	0	30	hCL	10YR4/2	och	mmd		54	54	y	n	*IV*	3b	**3b**	WE		
		30	120	C	5YR5/3	och	cmd	poor	75	52	y	y						
								Total	**129**	**106**							
								MD	31	19							
							Droughtiness grade (DR)		1	1							
334	T	0	15	hCL	10YR4/2	och	fmd		27	27	n	n	*IV*	3b	**3b**	WE		
		15	120	C	5YR5/3	och	mmd	poor	95	72	y	y						
								Total	**122**	**99**							
								MD	24	12							
							Droughtiness grade (DR)		2	1							
335	T	0	30	hCL	10YR4/2	och	fmd		54	54	n	n	*IV*	3b	**3b**	WE		
		30	40	C	7.5YR5/3	och	mmd	poor	13	13	y	y						
		40	120	C	5YR5/3	och	mmd	poor	62	39	y	y						
								Total	**129**	**106**							
								MD	31	19							
							Droughtiness grade (DR)		1	1							
336	T	0	30	hCL	10YR4/2	och	mmd		54	54	y	n	*IV*	3b	**3b**	WE		
		30	120	C	5YR5/3	och	mmd	poor	75	52	y	y						

									Total	**129**	**106**						
									MD	31	19						
								Droughtiness grade (DR)		1	1						
337	T	0	30	C	10YR4/2	och	mff			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	och	mmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	28	16						
								Droughtiness grade (DR)		2	1						
338	T	0	30	C	10YR4/2	och	mff			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	red	mmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	28	16						
								Droughtiness grade (DR)		2	1						
339	T	0	30	C	10YR4/2	och	fmd			51	51	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	red	mmd		poor	75	52	y	y				
									Total	**126**	**103**						
									MD	28	16						
								Droughtiness grade (DR)		2	1						
340	T	0	30	C	10YR4/2	och	fff			51	51	n	n	*III*	3b	**3b**	WE
		30	70	SL	7.5YR5/3	red	cmp			52	60	y	n				
		70	120	C	5YR5/3	red	cmp		poor	35	0	y	y				
									Total	**138**	**111**						
									MD	40	24						
								Droughtiness grade (DR)		1	1						

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7
hard	flint & pebble	

Climate Data	
MDwheat	98
MDpotato	86
FCD	155

Wetness Class Guidelines	II	III	IV	V
SPL within 80cm, gleying within 40cm	>70cm	42-70cm	<42cm	
SPL within 80cm, gleying at 40-70cm	>54cm	<54cm		
No SPL but gleying within 40cm	coarse subsoil	I	other cases	II

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% chalk	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
341	T	0	30	hCL		2.5Y4/2	och	mmd	1			53	53	y	n	*IV*	3b	**3b**	WE
		30	120	C		5YR5/3	grey	cmd	1		poor	74	52	y	y				
											Total	**128**	**105**						
											MD	30	19						
									Droughtiness grade (DR)			1	1						
342	T	0	40	C		2.5Y4/2	och	mmd	1			67	67	y	n	*IV*	3b	**3b**	WE
		40	120	C		5YR5/3	grey	cmd	1		poor	61	39	y	y				
											Total	**129**	**106**						
											MD	31	20						
									Droughtiness grade (DR)			1	1						
343	T	0	35	C		2.5Y4/2	och	mmd	1			59	59	y	n	*IV*	3b	**3b**	WE
		35	70	C		10YR5/3	och	cmd	1		poor	33	45	y	y				
		70	120	C		10YR4/2	och	cmd	1		poor	35	0	y	y				
											Total	**127**	**104**						
											MD	29	18						
									Droughtiness grade (DR)			2	1						
344	T	0	30	C		10YR4/2	och	fff	1			59	59	n	n	*IV*	3b	**3b**	WE
		30	60	C		7.5YR5/3	och	cmd	1		poor	33	45	y	y				
		60	120	C		5YR5/3	red	cmp	1		poor	35	0	y	y				
											Total	**127**	**104**						
											MD	29	18						
									Droughtiness grade (DR)			2	1						
345	T	0	35	C		10YR4/2	och	fff	1			59	59	n	n	*IV*	3b	**3b**	WE
		35	120	C		7.5YR5/3	och	cmp	1		poor	68	45	y	y				
											Total	**127**	**104**						

										MD	29	18							
									Droughtiness grade (DR)		2	1							
346	T	0	30	C	10YR4/2	och	fff	1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	45	C	7.5YR5/3	och	mmd	1		poor	19	19	y	y					
		45	120	C	5YR5/3	och	cmd	1		poor	55	32	y	y					
										Total	**125**	**102**							
										MD	27	16							
									Droughtiness grade (DR)		2	1							
347	T	0	30	C	10YR4/2	och	fff	1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	grey	cmd	1		poor	74	52	y	y					
										Total	**125**	**102**							
										MD	27	16							
									Droughtiness grade (DR)		2	1							
348	T	0	35	C	10YR4/2	och	fff	1			59	59	n	n	*IV*	3b	**3b**	WE	
		35	120	C	5YR5/3	grey	mmd	1		poor	68	45	y	y					
										Total	**127**	**104**							
										MD	29	18							
									Droughtiness grade (DR)		2	1							
349	T	0	35	C	10YR4/2	och	fff	1			59	59	n	n	*IV*	3b	**3b**	WE	
		35	120	C	5YR5/3	red	cmd	1		poor	68	45	y	y					
										Total	**127**	**104**							
										MD	29	18							
									Droughtiness grade (DR)		2	1							
350	T	0	30	C	10YR4/2	och	fff	1			51	51	n	n	*IV*	3b	**3b**	WE	
		30	70	C	7.5YR5/3	och	mmd	1		poor	40	52	y	y					
		70	120	C	5YR5/3	red	mmd	1		poor	35	0	y	y					
										Total	**125**	**102**							
										MD	27	16							
									Droughtiness grade (DR)		2	1							
351	T	0	30	C	10YR4/2	och	mff	1			51	51	y	n	*IV*	3b	**3b**	WE	
		30	60	C	7.5YR5/3	och	cmd	1		poor	33	39	y	y					
		60	120	C	7.5YR5/3	red	cmd	1		poor	42	13	y	y					

										Total	**125**	**102**							
										MD	27	16							
									Droughtiness grade (DR)		2	1							
352	T	0	30	C		10YR4/2	och	fff	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C		5YR5/3	red	cmd	1	poor	74	52	y	y					
										Total	**125**	**102**							
										MD	27	16							
									Droughtiness grade (DR)		2	1							

Additional data and cable routes

Stone types		
%	TAv	EAv
hard	1	0.5
N/A	0	0

hard flint & pebble

Climate Data	
MDwheat	94
MDpotato	81
FCD	165

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	<72cm	45-72cm	>45cm	
SPL within 80cm, gleying at 40-70cm	>58cm	<58cm		
No SPL but gleying within 40cm	coarse subsoil	*I*	other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% N/A	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
353	T	0	33	mCL		10YR4/2	och	cmd	0			59	59	y	n	*III*	3a	**3a**	WE
		33	70	SC		10YR5/3	och	cmd	0			46	56	y	n				
		70	120	C		10YR5/3	red	mmd	0		poor	35	0	y	y				
											Total	**140**	**115**						
											MD	46	34						
									Droughtiness grade (DR)			1	1						
354	T	0	25	hCL		10YR4/2	och	cmd	0			45	45	y	n	*IV*	3b	**3b**	WE
		25	40	C		7.5YR5/3	och	cmd	0			24	24	y	n				
		40	120	C		5YR5/3	och	cmd	0		poor	62	39	y	y				
											Total	**131**	**108**						
											MD	37	27						
									Droughtiness grade (DR)			1	1						
355	T	0	30	hCL		10YR4/2	och	mff	0			54	54	y	n	*III*	3b	**3b**	WE
		30	60	SCL		7.5YR5/3	och	cmd	0			40	45	y	n				
		60	120	C		5YR5/3	och	cmd	0		poor	42	13	y	y				

											Total	**136**	**112**						
											MD	42	31						
										Droughtiness grade (DR)		1	1				USS SCL/SC		
356	T	0	30	mCL		7.5YR4/2	red	mmd	0			54	54	y	n	*II*	2	**2**	WE
		30	120	SCL		7.5YR5/3	och	cmd	0			100	60	y	n				
											Total	**154**	**114**						
											MD	60	33						
										Droughtiness grade (DR)		1	1						

Stone types		
%	TAv	Eav
hard	1	0.5
N/A	0	0

hard flint & pebble

Climate Data	
MDwheat	89
MDpotato	75
FCD	167

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	>73cm	45-73cm	<45cm	
SPL within 80cm, gleying at 40-70cm	>59cm	<59cm		
No SPL but gleying within 40cm	coarse subsoil	*I*	other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% N/A	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
357	T	0	30	C		10YR4/2	och	mmd	1			51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C		7.5YR5/3	och	fmd	1		poor	74	52	y	y				
											Total	**125**	**102**						
											MD	36	27				Wheat		
										Droughtiness grade (DR)		1	1						
358	T	0	30	hCL		10YR4/2	och	fmd	1			53	53	n	n	*IV*	3b	**3b**	WE
		30	120	C		7.5YR5/3	och	cmd	1		poor	74	52	y	y				
											Total	**128**	**105**						
											MD	39	30				OSR stubble		
										Droughtiness grade (DR)		1	1				Some sandy inclusions		
359	T	0	30	hCL		10YR4/2	red	fmd	1			53	53	n	n	*III*	3b	**3b**	WE
		30	50	SCL		10YR5/3	och	mmd	1			30	30	y	n				
		50	70	C		7.5YR5/3	och	cmd	1		poor	14	26	y	y				
		70	120	C		7.5YR5/3	och	cmd	1		poor	35	0	y	y				
											Total	**132**	**109**						
											MD	43	34				OSR stubble		
										Droughtiness grade (DR)		1	1						
360	T	0	35	C		2.5Y4/2	och	mff	1			59	59	y	n	*IV*	3b	**3b**	WE

		35	120	C	5YR5/3	grey	cmp	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	38	29				OSR stubble			
								Droughtiness grade (DR)		1	1							
361	T	0	35	C	10YR4/2	och	mmd	1		59	59	y	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR5/3	och	cmd	1	poor	68	45	y	y					
									Total	**127**	**104**							
									MD	38	29				Wheat			
								Droughtiness grade (DR)		1	1							
362	T	0	35	C	10YR4/2	och	fmd	1		59	59	n	n	*IV*	3b	**3b**	WE	
		35	60	C	7.5YR5/3	och	mmd	1	poor	26	32	y	y					
		60	120	C	7.5YR5/3	grey	mmd	1	poor	42	13	y	y					
									Total	**127**	**104**							
									MD	38	29				Wheat			
								Droughtiness grade (DR)		1	1							
363	T	0	30	C	10YR4/2	och	fff	1		51	51	n	n	*IV*	3b	**3b**	WE	
		30	80	C	5YR5/3	och	cmd	1	poor	47	52	y	y					
		80	120	C	10YR5/1	och	mmd	1	poor	28	0	y	y					
									Total	**125**	**102**							
									MD	36	27				Wheat			
								Droughtiness grade (DR)		1	1							
364	T	0	30	C	10YR4/2	och	mff	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	70	C	10YR5/3	och	cmd	1	poor	40	52	y	y					
		70	120	SCL	10YR5/3	och	cmd	1		50	0	y	n					
									Total	**140**	**102**							
									MD	51	27				Wheat			
								Droughtiness grade (DR)		1	1				LS Heavy- SCL/SC			
365	T	0	30	C	10YR4/2	och	mff	1		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	1	poor	74	52	y	y					
									Total	**125**	**102**							
									MD	36	27				Wheat			
								Droughtiness grade (DR)		1	1				Waterlogged			

Stone types		
%	TAv	EAv
hard	1	0.5
N/A	0	0

hard flint & pebble

Climate Data	
MDwheat	94
MDpotato	81
FCD	161

Wetness Class Guidelines	II	III	IV	V
SPL within 80cm, gleying within 40cm	>71cm	43-71cm	<43cm	
SPL within 80cm, gleying at 40-70cm	>56m	<56cm		
No SPL but gleying within 40cm	coarse subsoil	I	other cases	II

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% N/A	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
366	T	0	30	mCL		10YR4/2	och	ffd	1			53	53	n	n	*III*	3a	**3a**	WE
		30	50	SC		10YR5/3	och	cmp	1			30	30	y	n				
		50	120	C		5YR5/3	och	cmp	1		poor	49	26	y	y				
											Total	**132**	**109**						
											MD	38	28				Wheat		
									Droughtiness grade (DR)			1	1						
367	T	0	35	C		10YR4/2	och	fmd	1			59	59	n	n	*IV*	3b	**3b**	WE
		35	120	C		5YR5/3	och	mmd	1		poor	68	45	y	y				
											Total	**127**	**104**						
											MD	33	23				OSR stubble		
									Droughtiness grade (DR)			1	1						
368	T	0	35	C		7.5YR4/2	och	fmd	1			59	59	n	n	*IV*	3b	**3b**	WE
		35	120	C		5YR5/3	och	cmd	1		poor	68	45	y	y				
											Total	**127**	**104**						
											MD	33	23				OSR stubble		
									Droughtiness grade (DR)			1	1						
369	T	0	35	C		10YR4/2	och	mmd	1			59	59	y	n	*IV*	3b	**3b**	WE
		35	120	C		7.5YR5/3	och	cmp	1		poor	68	45	y	y				
											Total	**127**	**104**						
											MD	33	23				OSR stubble		
									Droughtiness grade (DR)			1	1						
370	T	0	30	hCL		10YR4/2	och	mff	1			53	53	y	n	*IV*	3b	**3b**	WE
		30	120	C		5YR5/3	och	mmd	1		poor	74	52	y	y				
											Total	**128**	**105**						
											MD	34	24				OSR stubble		
									Droughtiness grade (DR)			1	1						
371	T	0	40	hCL		10YR4/2	och	fmd	1			71	71	n	n	*IV*	3b	**3b**	WE
		40	50	C		10YR4/2	och	cmd	1		poor	13	13	y	y				

		50	120	C	5YR5/3	red	cmd	1	poor	49	26	y	y						
									Total	**133**	**110**								
									MD	38	28								
									Droughtiness grade (DR)	1	1								
372	T	0	30	hCL	10YR4/2	och	fmd	1		53	53	n	n	*IV*	3b	**3b**	WE		
		30	50	C	7.5YR5/3	och	cmd	1	poor	26	26	y	y						
		50	120	C	7.5YR5/3	red	cmd	1	poor	49	26	y	y						
									Total	**128**	**105**								
									MD	33	23								
									Droughtiness grade (DR)	1	1			Waterlogged at 30					
373	T	0	35	hCL	10YR4/2	och	cmd	1		62	62	y	n	*IV*	3b	**3b**	WE		
		35	70	C	10YR5/3	och	cmd	1	poor	33	45	y	y						
		70	120	C	10YR5/2	red	fmd	1	poor	35	0	y	y						
									Total	**130**	**107**								
									MD	35	25								
									Droughtiness grade (DR)	1	1								

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7

hard flint & pebble

Climate Data	
MDwheat	96
MDpotato	84
FCD	156

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	>70cm	42-70cm	<42cm	
SPL within 80cm, gleying at 40-70cm	>54cm	<54cm		
No SPL but gleying within 40cm	coarse subsoil	*I*	other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		**Depth cm**		**Texture**	**$CaCO_3$**	**Colour**	**Mottle colour**	**abund-ance**	**stone% hard**	**stone% chalk**	**Struct-ure**	**APwheat mm**	**AP potato mm**	**Gley**	**SPL**	**WC**	**Wetness grade WE**	**Final Grade**	**Limiting Factor(s)**
374	T	0	33	C		10YR4/2	och	mmd	1			56	56	y	n	*IV*	3b	**3b**	WE
		33	70	C		2.5Y5/3	och	cmp	1		poor	36	48	y	y				
		70	120	C		7.5YR5/3	red	cmd	1		poor	35	0	y	y				
											Total	**126**	**103**						
											MD	30	19						
									Droughtiness grade (DR)			1	1						
375	T	0	28	C		10YR4/2	och	mmd	1			47	47	y	n	*III*	3b	**3b**	WE
		28	57	C		7.5YR5/3	och	cmd	1	10		39	44	y	n				

		57	120	C		7.5YR5/3	och	cmd	1		poor	44	17	y	y					
											Total	**130**	**108**							
											MD	34	24							
										Droughtiness grade (DR)		1	1							
376	T	0	35	C		10YR4/2	och	fmd	1			59	59	n	n	*IV*	3b	**3b**	WE	
		35	70	C		10YR5/3	och	cmd	1		poor	33	45	y	y					
		70	120	C		7.5YR5/3	och	cmd	1		poor	35	0	y	y					
											Total	**127**	**104**							
											MD	31	20							
										Droughtiness grade (DR)		1	1							

Stone types		
%	TAv	EAv
hard	1	0.5
N/A	0	0
hard	flint & pebble	

Climate Data	
MDwheat	99
MDpotato	87
FCD	153

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	<69cm	41-69cm	>41cm	
SPL within 80cm, gleying at 40-70cm	>53cm	<53cm		
No SPL but gleying within 40cm	coarse subsoil	*I*	other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone% N/A	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
377	T	0	20	C		10YR4/2	och	fmd	0			34	34	n	n	*III-IV*	3b	**3b**	WE
		20	120	C		2.5Y4/1	och	fmd	0		poor	88	65	n	y				
											Total	**122**	**99**						
											MD	23	12			OSR			
										Droughtiness grade (DR)		2	1						
378	T	0	20	hCL		10YR4/2	och	mmd	0			36	36	y	n	*IV*	3b	**3b**	WE
		20	120	C		2.5Y4/1	och	fmd	0		poor	88	65	n	y				
											Total	**124**	**101**						
											MD	25	14			OSR			
										Droughtiness grade (DR)		2	1						
379	T	0	20	C		10YR4/2	och	mmd	0			34	34	y	n	*IV*	3b	**3b**	WE
		20	120	C		2.5Y4/1	och	fmd	0		poor	88	65	n	y				
											Total	**122**	**99**						
											MD	23	12			OSR			

								Droughtiness grade (DR)		2	1							
380	T	0	30	hCL	10YR4/2			10		49	49	n	n	*III*	3b	**3b**	WE	
		30	45	C	10YR5/3	och	cmd	0		24	24	y	n					
		45	120	C	2.5Y4/1	och	fmd	0	poor	56	33	n	y					
									Total	**128**	**105**							
									MD	29	18			OSR				
								Droughtiness grade (DR)		2	1							
381	T	0	30	hCL	10YR4/2			0		54	54	n	n	*III*	3b	**3b**	WE	
		30	50	C	5YR5/3	och	cmd	0		32	32	y	n					
		50	120	C	5YR5/3	och	cfd	0	poor	49	26	y	y					
									Total	**135**	**112**							
									MD	36	25			OSR				
								Droughtiness grade (DR)		1	1							
382	T	0	38	SCL	10YR4/2	och	mff	0		65	65	y	n	*II*	2	**2**	WE	
		38	70	SCL	7.5YR4/2	och	mmf	0		38	48	y	n					
		70	120	SCL	7.5YR5/3	och	mff	0		50	0	y	n					
									Total	**153**	**113**							
									MD	54	26			Grass				
								Droughtiness grade (DR)		1	1							
383	T	0	32	C	10YR4/2	och	mff	0		54	54	y	n	*III*	3b	**3b**	WE	
		32	60	C	5YR5/3	och	cmd	0		37	45	y	n					
		60	120	C	5YR5/3	och	mfd	0	poor	42	13	y	y					
									Total	**133**	**112**							
									MD	34	25			Wheat				
								Droughtiness grade (DR)		1	1							
384	T	0	44	C	10YR4/2	och	mmd	0		75	75	y	n	*III*	3b	**3b**	WE	
		44	120	C	7.5YR5/3	och	cmd	0	poor	57	34	y	y					
									Total	**132**	**109**							
									MD	33	22			Wheat				
								Droughtiness grade (DR)		1	1							
385	T	0	30	SCL	10YR4/2	och	mmd	0		51	51	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR5/3	och	cmd	0	poor	75	52	y	y					

											Total	**126**	**103**							
											MD	27	16			OSR stubble				
									Droughtiness grade (DR)			2	1			TS contained glass, brick frags debris				
386	T	0	20	hCL		10YR4/2	och	fmd	0			36	36	n	n	*IV*	3b	**3b**	WE	
		20	55	C		10YR5/3	och	cmd	0		poor	43	46	y	y					
		55	80	SC		10YR5/3	och	cmd	0			25	23	y	n					
		80	120	C		5YR5/3	och	cmd	0		poor	28	0	y	y					
											Total	**132**	**104**							
											MD	33	17							
									Droughtiness grade (DR)			1	1							

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7

hard flint & pebble

Climate Data	
MDwheat	99
MDpotato	88
FCD	148

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm	<68cm	40-68cm	>40cm	
SPL within 80cm, gleying at 40-70cm	>51cm	<51cm		
No SPL but gleying within 40cm	coarse subsoil		*I* other cases	*II*

Maximum depth of auger penetration is underlined

Site No.		**Depth cm**		**Texture**	**$CaCO_3$**	**Colour**	**Mottle colour**	**abund-ance**	**stone% hard**	**stone% chalk**	**Struct-ure**	**APwheat mm**	**AP potato mm**	**Gley**	**SPL**	**WC**	**Wetness grade WE**	**Final Grade**	**Limiting Factor(s)**
387	T	0	35	C		10YR4/2	och	cmd	0			60	71	y	n	*IV*	3b	**3b**	WE
		35	120	C		10YR5/2	och/grey	mmd/fmd	0		poor	69	36	y	y				
											Total	**128**	**108**						
											MD	29	20						
									Droughtiness grade (DR)			2	1						
388	T	0	30	mCL		10YR4/2			0			54	54	n	n	*III*	3a	**3a**	WE
		30	40	C		7.5YR5/3	och	mmd	0			16	16	y	n				
		40	120	C		5YR5/3	och	mmf	0		poor	62	39	y	y				
											Total	**132**	**109**						
											MD	33	21						
									Droughtiness grade (DR)			1	1						
389	T	0	42	C		10YR4/2	och	mcd	0			71	71	y	n	*III*	3b	**3b**	WE
		42	120	C		10YR5/2	och	cmd	0		poor	59	36	y	y				
											Total	**131**	**108**						
											MD	32	20						
									Droughtiness grade (DR)			1	1						

Stone types		
%	TAv	EAv
hard	1	0.5
chalk	10	7

hard flint & pebble

Climate Data	
MDwheat	98
MDpotato	87
FCD	155

Wetness Class Guidelines	II	III	IV	V
SPL within 80cm, gleying within 40cm	<70cm	42-70cm	>42cm	
SPL within 80cm, gleying at 40-70cm	>54cm	<54cm		
No SPL but gleying within 40cm	coarse subsoil	I	other cases	II

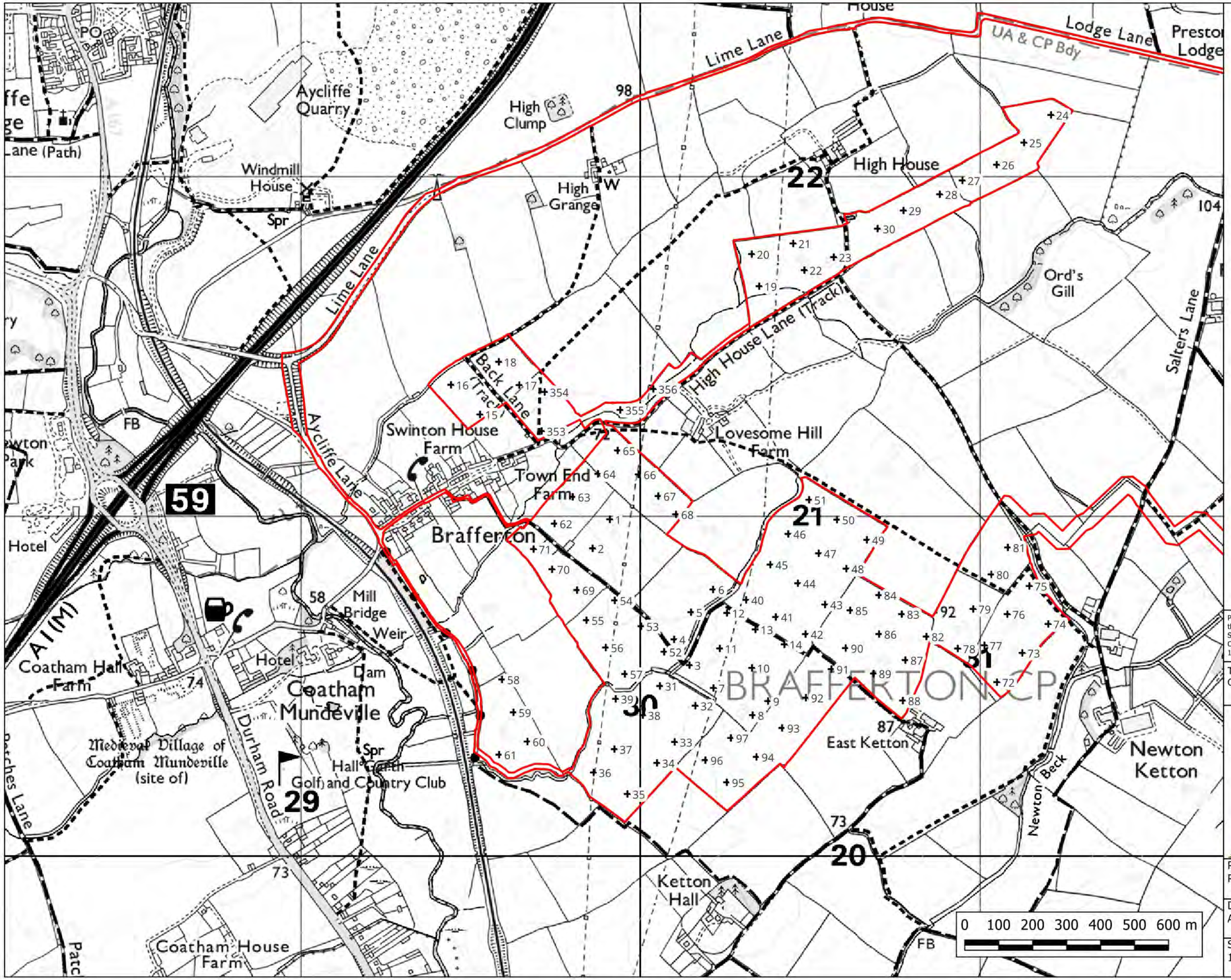
Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% hard	stone % chalk	Struct-ure	APwheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)	
390	T	0	40	hCL		10YR4/2	och	fmd	0			72	72	n	n	*IV*	3b	**3b**	WE	
		40	120	C		5YR5/3	och	cmd	0		poor	62	39	y	y					
											Total	**134**	**111**							
											MD	36	24							
									Droughtiness grade (DR)			1	1							
391	T	0	30	C		10YR4/2	och	fmd	0			51	51	n	n	*IV*	3b	**3b**	WE	
		30	60	C		10YR5/3	och	cmd	0		poor	33	39	y	y					
		60	120	C		10YR5/2	och	cmd	0		poor	42	13	y	y					
											Total	**126**	**103**							
											MD	28	16				TS sight organic			
									Droughtiness grade (DR)			2	1							
392	T	0	30	hCL		10YR4/2	och	mmf	0			54	54	y	n	*IV*	3b	**3b**	WE	
		30	120	C		10YR5/3	och	cmp	0		poor	75	52	y	y					
											Total	**129**	**106**							
											MD	31	19							
									Droughtiness grade (DR)			1	1							
393	T	0	30	hCL		10YR4/2	och	cmp	0			54	54	y	n	*IV*	3b	**3b**	WE	
		30	120	C		7.5YR5/3	och	cmp	0		poor	75	52	y	y					
											Total	**129**	**106**							
											MD	31	19							
									Droughtiness grade (DR)			1	1							
395		T	0	32	hCL		10YR4/2			2		57	57	n	n	*III*	3b	**3b**	WE	
			32	50	SC		10YR5/3	och	cmp	1		27	27	y	n					
			50	70	C		5YR4/4	och	fmp	1	poor	14	26	n	y					
			70	120	LmS		7.5YR5/3	red	cmd	1		30	0	y	n					
											Total	**127**	**109**							
											MD	29	22							

								Droughtiness grade (DR)		2	1						
396	T	0	32	hCL	10YR4/2			2		57	57	n	n	*III*	3b	**3b**	WE
		32	50	SC	10YR5/3	och	cmp	1		27	27	y	n				
		50	70	C	5YR4/4	och	fmp	1	poor	14	26	n	y				
		70	120	LmS	7.5YR5/3	red	cmd	1		30	0	y	n				
									Total	**127**	**109**						
									MD	29	22						
								Droughtiness grade (DR)		2	1						
397	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	och	mmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	27	15						
								Droughtiness grade (DR)		2	1						
398	T	0	30	C	10YR4/2	och	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	27	15						
								Droughtiness grade (DR)		2	1						
399	T	0	30	C	10YR4/2	red	mmd	1		51	51	y	n	*IV*	3b	**3b**	WE
		30	120	C	5YR5/3	och	cmd	1	poor	74	52	y	y				
									Total	**125**	**102**						
									MD	27	15						
								Droughtiness grade (DR)		2	1						
400	T	0	30	C	10YR4/2	och	fmd	0		51	51	n	n	*III*	3b	**3b**	WE
		30	60	C	7.5YR5/3	och	mmd	0		40	48	y	n				
		60	120	C	7.5YR5/3	och	mmd	0	poor	42	13	y	y				
									Total	**133**	**112**						
									MD	35	25						
								Droughtiness grade (DR)		1	1						
401	T	0	40	C	10YR4/2	och	mff	0		68	68	y	n	*IV*	3b	**3b**	WE
		40	120	C	7.5YR5/3	och	mmd	0	poor	62	39	y	y				
									Total	**130**	**107**						
									MD	32	20						

								Droughtiness grade (DR)		1	1							
402	T	0	40	C	10YR4/2			0		68	68	n	n	*I-II*	3b	**3b**	WE	
		40	120	C	7.5YR5/3	och	mfd	0		72	48	y	n					
									Total	**140**	**116**							
									MD	42	29							
								Droughtiness grade (DR)		1	1							
403	T	0	30	C	10YR4/2	och	fmd	0		51	51	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	red	mmd	0	poor	75	52	y	y					
									Total	**126**	**103**							
									MD	28	16							
								Droughtiness grade (DR)		2	1							
404	T	0	30	C	10YR4/2	och	fmd	0		51	51	n	n	*IV*	3b	**3b**	WE	
		30	60	C	7.5YR5/3	och	cfd	0	poor	33	39	y	y					
		60	120	C	5YR5/3	red	mmd	0	poor	42	13	y	y					
									Total	**126**	**103**							
									MD	28	16							
								Droughtiness grade (DR)		2	1							
405	T	0	35	C	10YR4/2	och	fmd	0		60	60	n	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR5/3	och	cmd	0	poor	69	46	y	y					
									Total	**128**	**105**							
									MD	30	18							
								Droughtiness grade (DR)		1	1							
406	T	0	35	C	10YR4/2	och	fmd	0		60	60	n	n	*IV*	3b	**3b**	WE	
		35	120	C	7.5YR5/3	och	cmd	0	poor	69	46	y	y					
									Total	**128**	**105**							
									MD	30	18							
								Droughtiness grade (DR)		1	1							
407	T	0	30	hCL	10YR4/2	och	fmd	0		54	54	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	och	cmd	0	poor	75	52	y	y					
									Total	**129**	**106**							
									MD	31	19							
								Droughtiness grade (DR)		1	1							
408	T	0	30	C	10YR4/2	och	mff	0		51	51	y	n	*IV*	3b	**3b**	WE	

		30	120	C	7.5YR5/3	och	mmp	0	poor	75	52	y	y						
									Total	**126**	**103**								
									MD	28	16								
									Droughtiness grade (DR)	2	1								
409	T	0	35	C	10YR4/2	red	fmd	0		60	60	n	n	*III-IV*	3b	**3b**	WE		
		35	120	C	5YR4/4	grey	fmd	0	poor	69	46	n	y						
									Total	**128**	**105**								
									MD	30	18								
									Droughtiness grade (DR)	1	1								
410	T	0	30	C	10YR4/2	och	fmd	0		51	51	n	n	*IV*	3b	**3b**	WE		
		30	120	C	7.5YR5/3	och	cmp	0	poor	75	52	y	y						
									Total	**126**	**103**								
									MD	28	16								
									Droughtiness grade (DR)	2	1								
411	T	0	40	SCL	10YR4/2	och	fmd	20		55	55	n	n	*I-II*	2	**3a**	ST		
		40	120	SCL	7.5YR5/3	och	mmd	20		69	37	y	n						
									Total	**124**	**92**								
									MD	26	5								
									Droughtiness grade (DR)	2	2								
412	T	0	50	SCL	10YR4/2	och	fmd	20		69	69	n	n	*I*	1	**3a**	ST		
		50	120	SCL	7.5YR5/3	och	mmd	20		57	24	y	n						
									Total	**126**	**93**								
									MD	28	6								
									Droughtiness grade (DR)	2	2								
413	T	0	45	SCL	10YR4/2	och	fmd	20		62	62	n	n	*I*	1	**3a**	ST		
		45	120	SCL	7.5YR5/3	och	mmd	20		63	31	y	n						
									Total	**125**	**93**								
									MD	27	6								
									Droughtiness grade (DR)	2	2								



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GREAT STAINTON CP

LITTLE STAINTON CP

N

KEY

+ 1 Observation

+ P Pit

Scheme boundary

0 100 200 300 400 500 600 m

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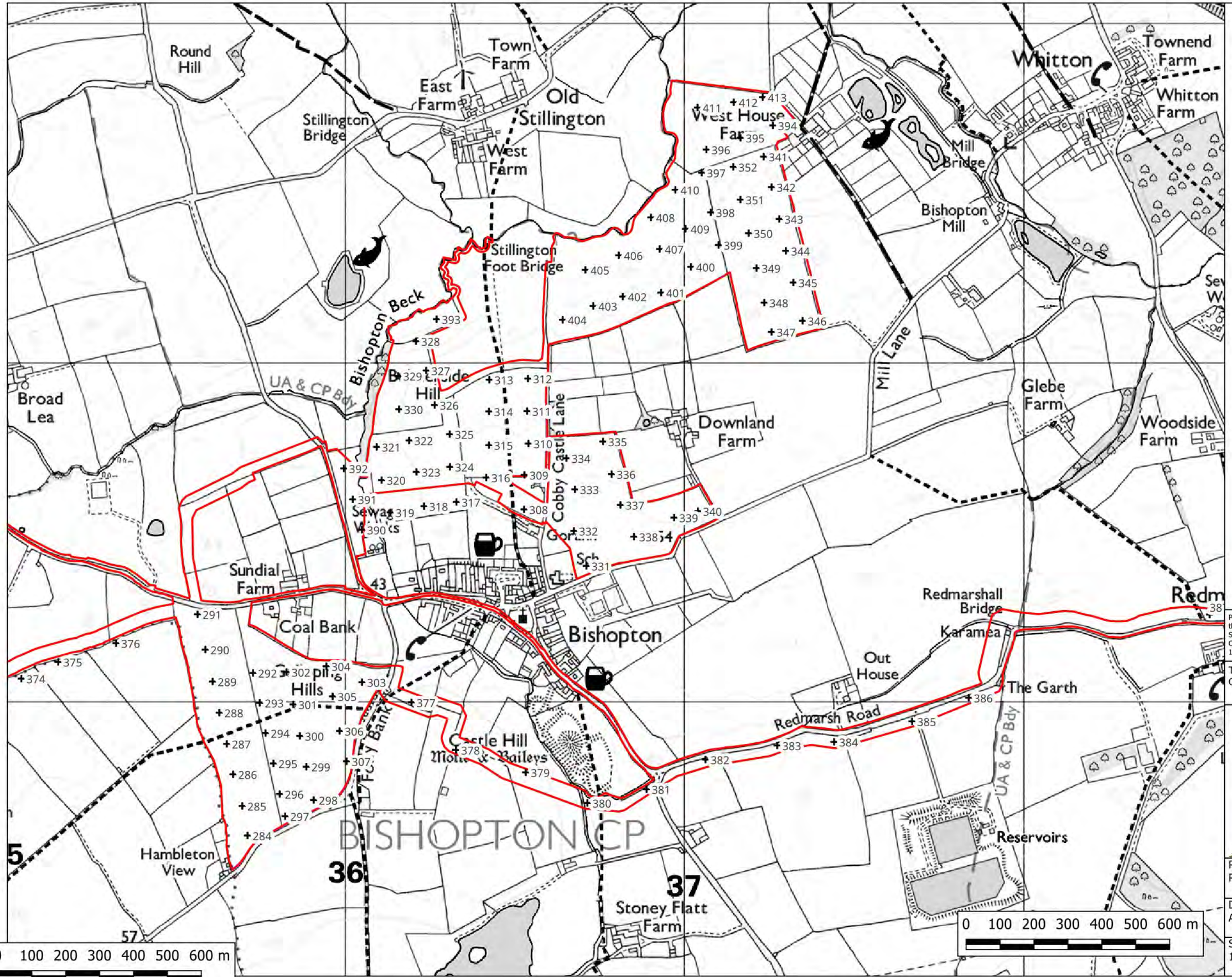

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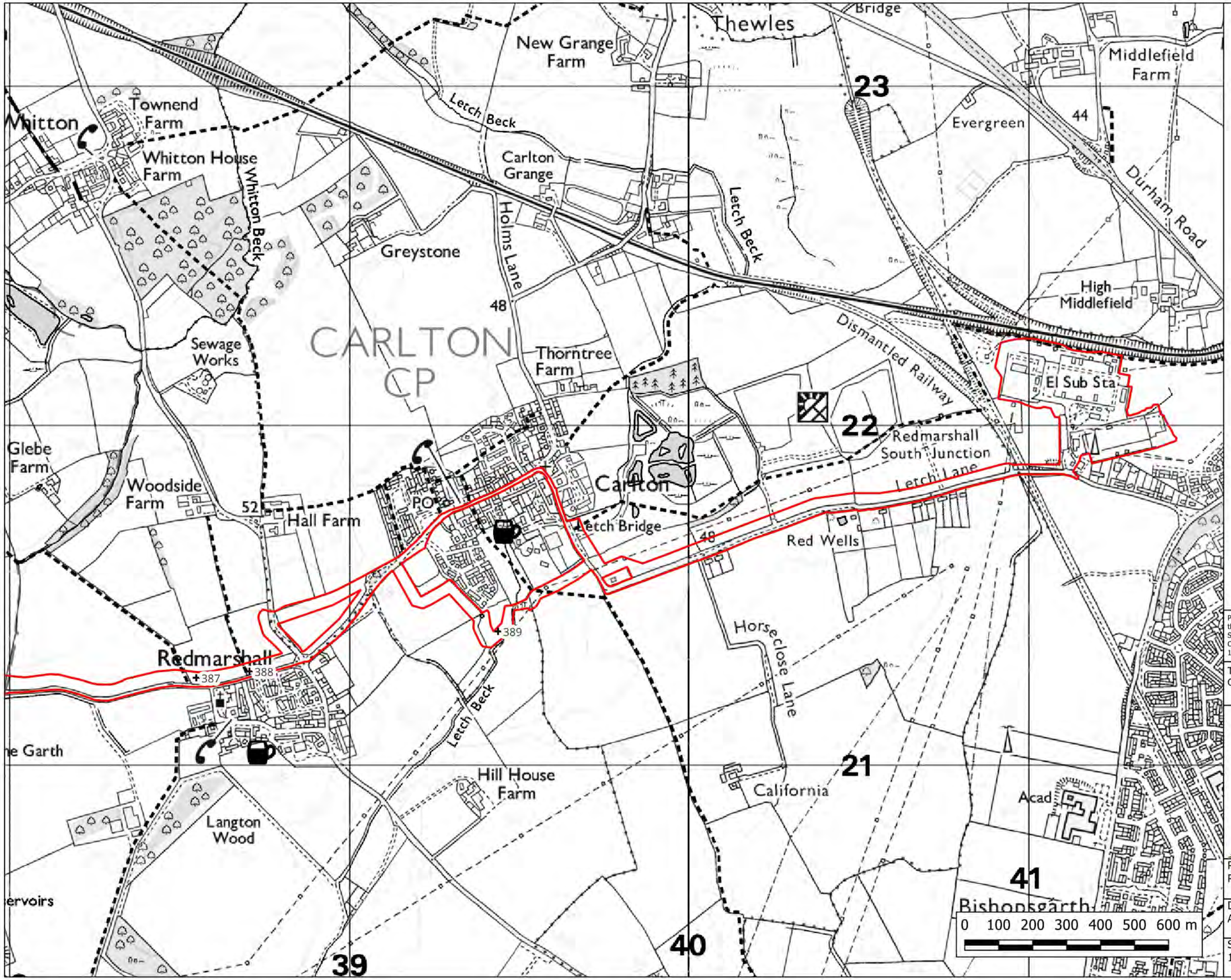

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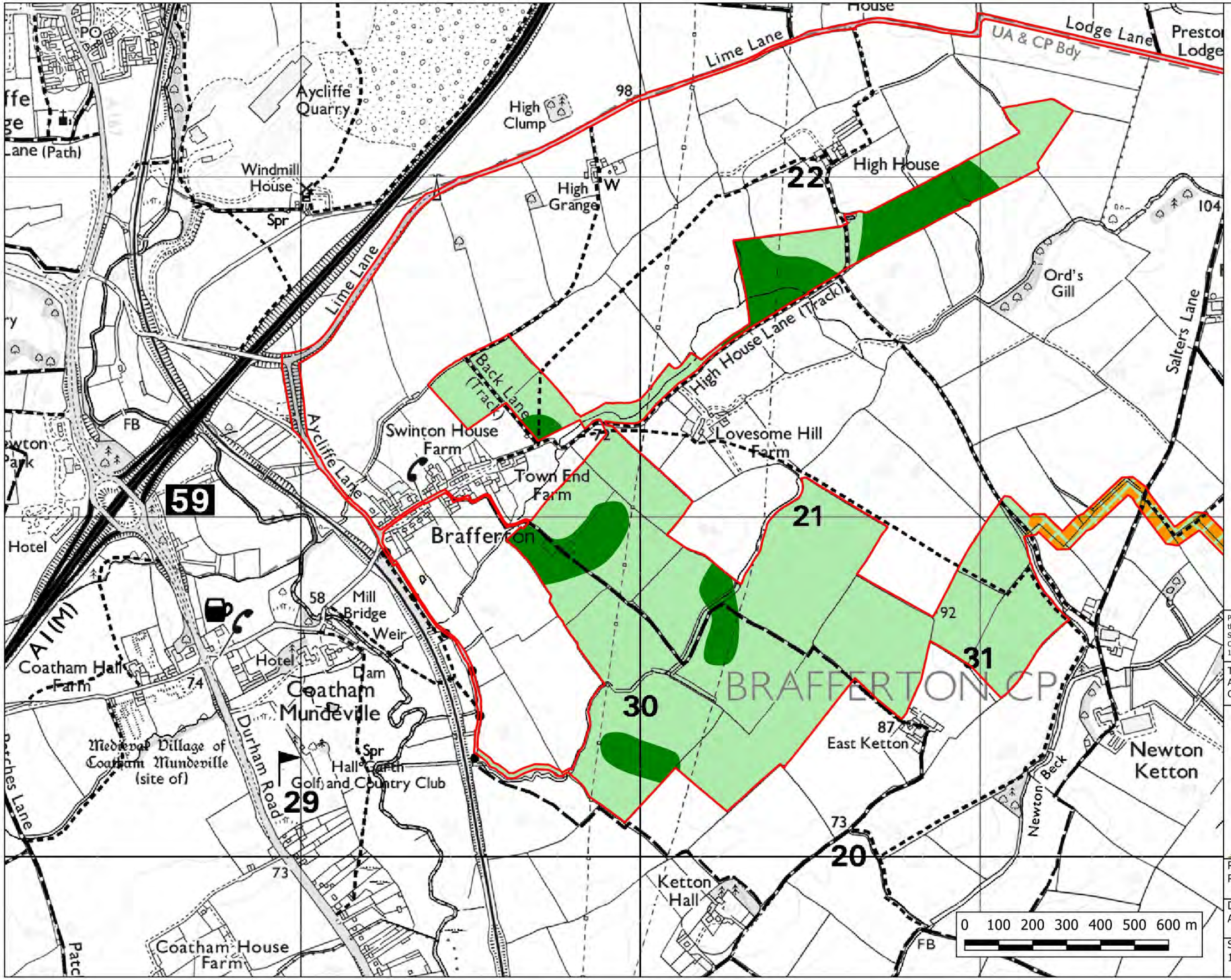

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Preston Lodge
House
112
Whinny Hill
102
96
Covert
Oat Hill Farm
Great Stainton
Town Farm
Hauxley Farm
104
Stainton Grange
Bro
Le
Fir Tree Farm
67
Salters Lane
GREAT STAINTON CP
Viewley Hill Farm
82
Bracken Hill
Woogra Farm
Byer's Gill Wood
Byers' Gill
Little Stainton Beck
Mount Pleasant Farm
The Mount
Catkill Lane
Galloping Hill
68
33
34
35
Woogra Plantation
Coat Hill
32
Galloping Hill Plantation
Manor Farm
84
Square Wood
Carr House
LITTLE STAINTON CP
Earthworks
63
Fox Covert
Town Farm
Little Stainton
Prospect House
Nova Scotia Plantation
0 100 200 300 400 500 600 m

N

KEY

- Grade 1
- Grade 2
- Subgrade 3a
- Predicted Subgrade 3b
- Subgrade 3b
- Grade 4
- Grade 5
- Non-agricultural
- Not present

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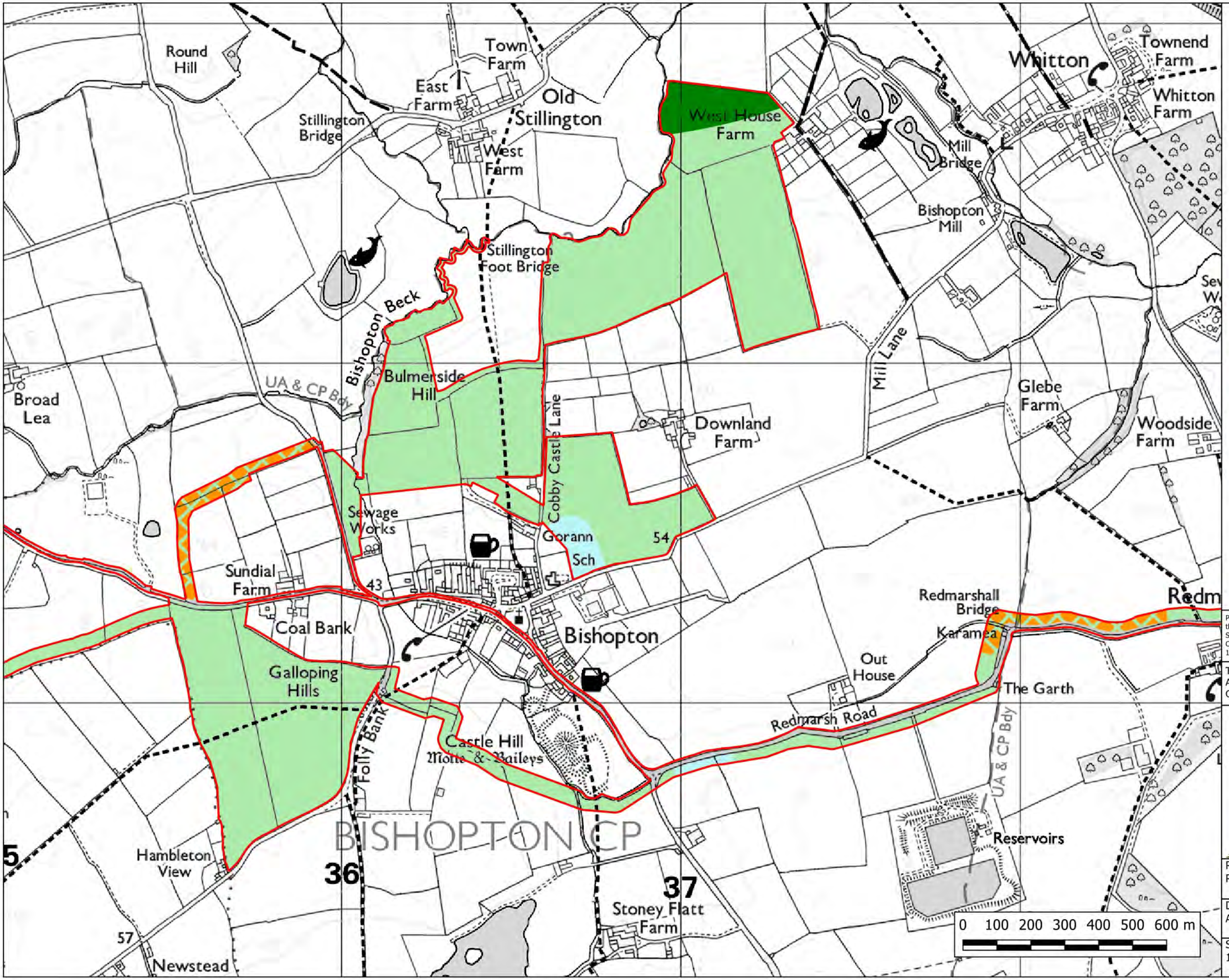

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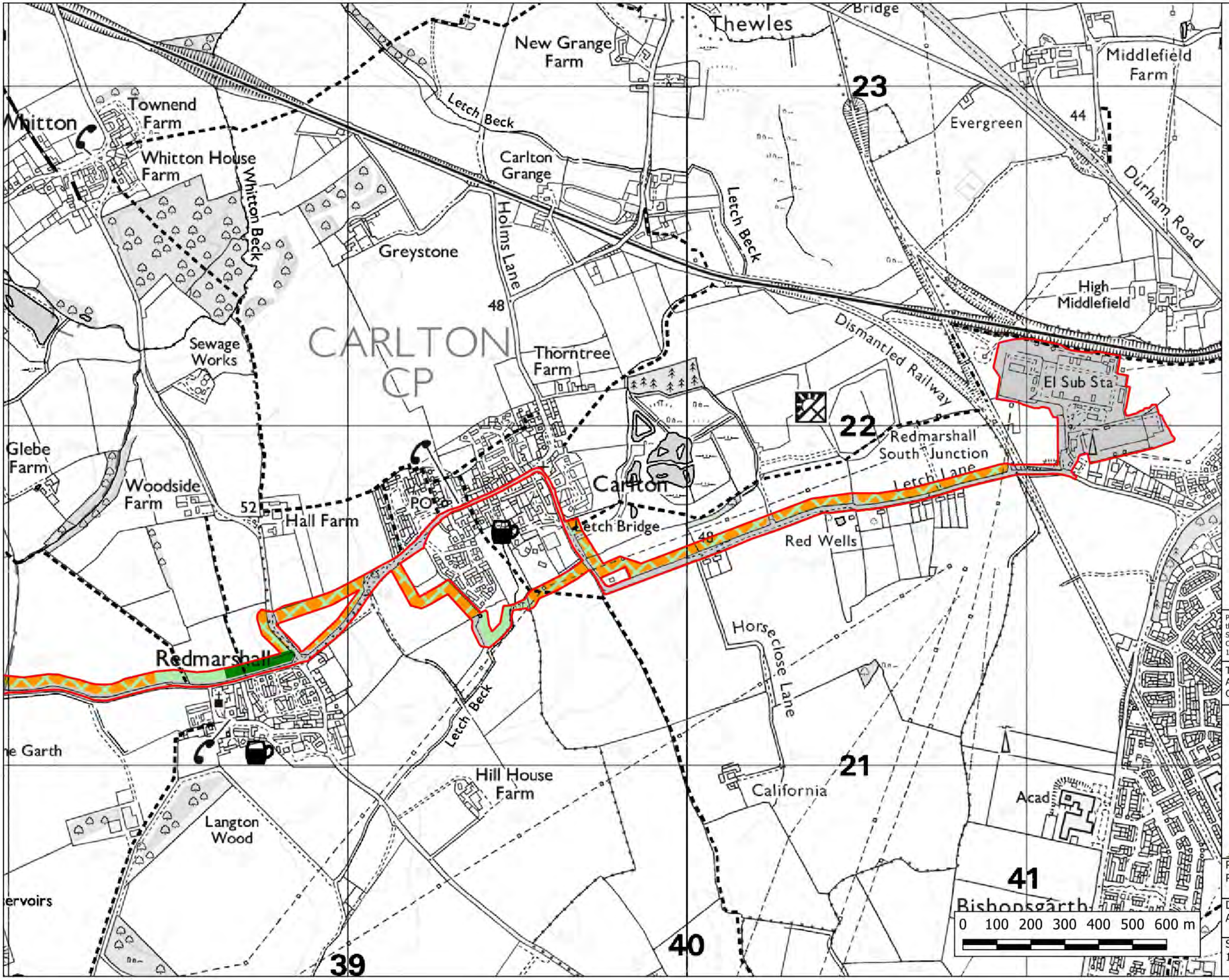

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