

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010041

6.7 Environmental Statement – Appendix 11.3 Agricultural Land Classification

Part A

APFP Regulation 5(2)(a)

Planning Act 2008

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

June 2020

Infrastructure Planning

Planning Act 2008

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

**The A1 in Northumberland: Morpeth to Ellingham
Development Consent Order 20[xx]**

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Agricultural Land Classification

A1 in Northumberland: Morpeth to Felton Scheme

Date: July 2019



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EXECUTIVE SUMMARY

The Agricultural Land Classification of the proposed road widening scheme on the A1 in Northumberland between Morpeth and Felton (the Scheme) was assessed by ADAS in autumn 2017. The Scheme footprint has subsequently been extended to include additional agricultural land and this was surveyed during November and December 2018. The Scheme is approximately 12.6 km long and affects an area of around 242 ha, of which 171 ha is in agricultural use.

The land is mainly very gently undulating and lies at an altitude of around 60-80 m Above Ordnance Datum (aOD) in the south rising to over 100 m aOD in the centre close to Earsdon.

At the time of the survey the land within the Scheme footprint supported a range of arable crops, grassland and land in non-agricultural use including the existing A1 carriageways, its junctions and slip roads together with numerous farm access roads, woodland, a caravan park and motocross site.

The land is underlain by the bedrock of the Stainmore and Pennine Lower Coal Measure Formations which are covered by deep deposits of unsorted Glacial Till, fluvio-glacial sand and gravel together with alluvium.

The resulting soils are predominantly heavy textured and soil drainage is impeded; consequently, the land is of moderate or poor quality along most of the site with the majority, 91.16% of the agricultural land area, classified as a mix of Grades 3b and 4.

Small areas of Grade 2 and Subgrade 3a best and most versatile land account for 8.84% of the agricultural areas of the site and occur intermittently in lighter soils to the north of Morpeth and to the south and west of Felton.

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1 INTRODUCTION

- 1.1 On behalf of the Applicant, ADAS has undertaken an Agricultural Land Classification (ALC) survey to support the Environmental Impact Assessment for the A1 in Northumberland: Morpeth to Felton Scheme (the Scheme): 12.6 km of dualling of the existing A1 single carriageways, three new junctions and three new bridges, as well as other works (see Section 2: The Project of the Environmental Statement (ES) (A1 in Northumberland: Morpeth to Felton Environmental Statement)).
- 1.2 The ALC system provides a framework for classifying land according to the extent to which its physical or chemical characteristics impose long-term limitations on agricultural use. The limitations can operate in one or more of four principal ways and may affect:
 - the range of crops which can be grown;
 - the level of yield
 - the consistency of yield; and
 - the cost of producing the crop.
- 1.3 The ALC system gives considerable weight to flexibility of cropping, whether actual or potential. The ability of some land to produce consistently high yields of a somewhat narrower range of crops is also taken into account.
- 1.4 The principal physical factors influencing agricultural production are climate, site (including relief) and soil. By assessing these factors, it is possible to assign land into one of five land classification grades, Grade 1 land being the highest quality and Grade 5 the lowest quality land. Grade 3 is sub-divided into Subgrades 3a and 3b, to identify good quality agricultural land from moderate quality land (see Appendix 5 for a description of the grades used in the ALC system). By considering site specific climate, site and soil factors the land can be classified into 1 of 5 agricultural grades or certain non-agricultural grades, the results of which are detailed in Sections 4.4 and 4.5.
- 1.5 The Government policy within the 'National Planning Policy Framework, (NPPF) 2019, affords more protection to the 'Best and Most Versatile' land, which is defined in the policy as ALC Grades 1-3a (see Appendix 5 for description of grades).

2 METHODOLOGY

2.1 Agricultural Land Classification System

- 2.1.1 The system published by Ministry of Agriculture Fisheries and Food (MAFF) [now Department of Environment Food and Rural Affairs (Defra)] in 1988¹ was used to assess Agricultural Land Quality. This requires a desk study to review published information followed by fieldwork.

2.2 Desk Study

- 2.2.1 A desk study of published geological, soils and climatic information for the Scheme was undertaken using reference material held by ADAS and publicly available information from the British Geological Survey (BGS) and the Soil Survey and Land Use Centre (SSLUC) before detailed field work was carried out to study soil and site limitations.

2.3 Field Work

- 2.3.1 Fieldwork was undertaken between September and November 2017 and in November and December 2018 using a hand held 50 mm diameter "Dutch" auger and/or spade to a maximum depth of 1.20 m. With the "Dutch" auger the boring is made in increments of about 150 mm. The soil extracted by the boring is 'hand' textured for an estimate of sand, silt and clay content and the colour described by reference to Munsell colour charts. From this information the depth of topsoil and subsoil horizons (layers) can be determined and how well or poorly drained the soil is from the colour and texture. In addition, soil pits were dug with a spade to a maximum depth of 1m so that the pit sides could be inspected to determine subsoil characteristics, particular soil structure which could not be identified from the auger samples.
- 2.3.2 The location of auger borings (numbered 1-503) and 13 soil pits (number TP1-TP13) were examined, to determine the quality of the agricultural land. Auger borings were made at 100 metre intervals along the proposed route and boring density of more than 1 auger boring per ha in larger land blocks. This is the normal auger boring intensity for ALC assessment of proposed road routes. The pits were dug at locations representative of different soil types identified by the auger borings. Soil samples were collected from pits and within field and sent to Natural Resource Management (NRM) laboratories for particle size distribution and/or stone content as required. The laboratory particle size distribution analysis is used to confirm the hand texture assessments.

¹ Agricultural Land Classification of England and Wales, Revised guidelines and criteria for grading the quality of agricultural land, MAFF 1988 (now a Defra publication)

- 2.3.4 Preparation and fieldwork were undertaken in two phases. Phase 1 included a total of 137 auger borings and 9 profile pits (the pits dug so that the sides of the pit can be inspected to describe the subsoil in more detail, particularly for soil structure and stone content, than is possible from auger borings) completed between September and November 2017. Phase 2 was completed during November and December 2018 to include a further 364 soil auger borings and 4 profile pits. Surveys were completed after harvest in moist conditions when the soils were at, or slightly below, field capacity (i.e. any additional water would drain through them).
- 2.3.5 The soil information gathered for the auger borings and pits along with climatic data was then used to allocate an ALC grade to the auger boring or pit location based on the criteria set out in the publication Agricultural Land Classification of England and Wales, Revised guidelines and criteria for grading the quality of agricultural land, MAFF 1988 (now a Defra publication). For grading for the sections, appendices, tables and figures from this publication used are:
- ALC Climate grade: Section 3, 3.1, Figure 1 Grade according to climate
 - ALC Gradient grade: Section 3, 3.2, Gradient Table 1 Grade according to gradient
 - ALC Soil depth grade: Section 3, 3.3, Table 4 Grade according to soil depth
 - ALC Stone content grade: Section 3, 3.3, Table 5 Grade according to stoniness
 - ALC Soil wetness grade: Section 3, 3.4, Table 6 Grade according to wetness – mineral soils, Table 7 Grade according to wetness – organic mineral and peaty soils considering 0-25 cm soil texture and soil wetness class (WC). WC is determined by reference to Figure 7, Figure 8, Table 12 and Table 13 in Appendix 3 of the Defra ALC guidelines using soil structure and colour information determined from the field work and field capacity days (FCD) from the desk study. Soil wetness expresses the extent to which excess water imposes restrictions on crop growth, workability and cultivations.
 - ALC Droughtiness grade: Section 3, 3.4, Table 8 with available water capacities (AWC) calculated using the methodology set out in Appendix 4 and data in Table 14 Estimation of available water from texture class, horizon and structural conditions and Table 15 Available water in stones and rocks. The moisture deficits required to use in conjunction with the AWCs to calculate the moisture balances (MBs) which determine the ALC droughtiness grade are part of the climatic data obtained. Soil droughtiness reflects the degree to which a shortage of soil water influences the range of crops that may be grown and the level of yield which may be achieved.
 - The overall ALC grade for the location is determined by the most limiting of the above grades.
- 2.3.6 Two small parcels of land in the centre and south of the survey area were not surveyed because access had not been agreed at the time the fieldwork was undertaken.

3 Baseline geology, soils and land use

3.1 Geology

- 3.1.1 The 1:50,000 British Geological Survey map² shows that the survey area is underlain by a solid geology of the Stainmore Formation, a sedimentary bedrock laid down in swamps, deltas and estuaries approximately 318 – 329 million years ago in the Carboniferous Period. In addition, a small area of Pennine Lower Coal Measure Formation of Carboniferous age occurs to the north of Causey Park and this is bordered by a narrow band of igneous rock to the south.
- 3.1.2 The solid geology is overlain by a superficial deposit of Glacial Devensian Till, a Diamicton (unsorted) deposit which was laid down around two million years ago in the Quaternary Period. This till includes extensive tracts of boulder clay, outwash, moraine and, locally, fluvio glacial sand and gravel. Narrow bands of alluvium occur in valley bottoms adjacent to watercourses within the survey area.
- 3.1.3 The superficial drift is generally deep and no bedrock was encountered in any of the auger borings. The resulting soils are generally medium to heavy textured and have impeded drainage. Localised areas of sandy and/or stony drift are present and, where profile drainage improves, provide better quality land.

3.2 Soils – Published information

- 3.2.1 Soils across the survey have been mapped, by the Soil Survey of England and Wales³, as Dunkeswick Association with a small area of Wick 1 Association along the River Coquet valley in the north. They are summarised below:

Dunkeswick Soil Association

These soils have developed in clayey Till containing sandstone, assorted hardstones and shale of variable age. The Association typically consists of soils which are either fine loamy over clayey (Dunkeswick Series, accounting for 55% of the Association), deep fine loamy soils (Brickfield Series, accounting for 25% of the Association) or clayey (Hallsworth Series, accounting for 10% of the Association). The soils are slowly permeable and seasonally wet typically falling into Wetness Class (WC) IV, or WC III where good underdrainage schemes are installed. Wetness classes provide an indication of how wet a soil is, WC I is well drained and WC V is poorly drained with WC II, III & IV intermediate in drainage.

² <http://www.bgs.ac.uk/data/mapViewers/>

³ 1:250,000, Soil Survey of England and Wales, Sheet 1, 1983 Soils of Northern England

Wick 1 Soil Association

These soils have developed in glaciofluvial and river terrace deposits. Soils in this Association typically have coarse loamy and sandy soils occasionally over gravel. They are well drained and fall into WC I unless they are affected by groundwater.

3.3 Soils - Survey Findings

- 3.3.1 The scheme survey carried out by ADAS identified 3 principal undisturbed soils with a further disturbed variant. They are described in detail below:

Soil Type 1: Medium to heavy textured soils

- 3.3.2 These soils cover the majority of the scheme. They have a grey brown medium to heavy clay loam topsoil to 200-300 mm depth and overlie a similar yellowish-brown upper subsoil to 350 mm. Below 350 mm a strong brown heavy clay loam to clay subsoil becomes increasingly grey and gleyed with depth. These soils are slightly stony containing few small, medium and rare large assorted stones and coal. Subsoils locally contain, sandy lenses or weathering sandstones leading to locally improved drainage. Profiles are usually gleyed within or immediately below the topsoil, have slowly permeable layers at variable depths below 350mm and are imperfectly to poorly drained (WC III and IV).

Soil Type 2 - Heavy textured soils

- 3.3.3 These soils occur where boulder clay lies closer to the surface or recent conversion of grassland to arable use has led to shallow clay being ploughed into the topsoil. The soils typically have very slightly stony heavy clay loam to clay topsoil to 250-300 mm overlying slightly stony clay subsoil to depth. These soils are usually gleyed into the topsoil and have slowly permeable layers within 520 mm of the soil surface (WC IV).

Soil Type 3: Light to medium textured soils

- 3.3.4 These soils are located on the southern edge of the Coquet valley and on the lower slopes of Hebron Hill. Medium sandy loam to sandy clay loam topsoil overlies similar or lighter textured upper subsoils and increasingly sandy lower subsoils. These soils are slightly or occasionally moderately stony containing few or common hard sandstones and assorted gravels. Profiles are either free draining (WC I) or have gleyed subsoils and fall into WC II/III on the transitional boundaries with soil types 1 and 3.

Soil Type 4: Disturbed soils

- 3.3.5 These soils occur throughout the survey area. They are found close to the existing A1 where land has been affected by construction of the carriageway; in a number of recreational areas used for shooting or motocross; in field gateways and infilled subsidence hollows to the south of Causey Park. Soil profiles typically consist of medium and heavy clay loam topsoil of variable depth, often with inclusions (>10%) of clay subsoil. Subsoils are typically a poorly structured and compact heavy clay

loam and/or clay, which is poorly drained and slowly permeable within 400 mm (WC IV).

3.4 Current land use

3.4.1 At the time of the survey the agricultural land supported grass and combinable crops of winter cereals and oilseed rape, with small areas of wild bird cover and grass margins. Non-agricultural land placed in the 'other' land use category includes:

- areas of deciduous and coniferous woodland;
- the Coquet valley;
- a caravan park and motocross site at Causey Park;
- numerous farm tracks and minor roads; and
- the existing A1 and its verges together with adjacent farms, houses and gardens.

3.5 Previous Agricultural Land Classification (ALC) surveys

3.5.1 Provisional ALC maps (pre-1988) on the Defra's MAGIC website show the survey area as an area of Grade 3 land⁴. The Provisional maps only give an indication of land quality over larger areas and should not be relied on for site specific assessment of land quality. In addition, they do not classify land into Subgrades 3a and Subgrade 3b to differentiate between better quality (Subgrade 3a) and lower quality (Subgrade 3b) land.

3.5.2 An interrogation of Defra's MAGIC website, indicates that none of the survey area has been surveyed by Natural England using post 1988 ALC guidelines.

⁴ magic.defra.gov.uk/

4 Considerations for the allocation of ALC grades

4.1 Climate

4.1.1 The climatic variables have been interpolated from grid point data surrounding locations along the survey area, as follows:

Table 1: Climatic variables

| Grid Reference | NZ172992 (north) West of Felton | NZ186943 (Central area) Causey Park Bridge | NZ184903 (South) West of Hebron |
|-------------------------------------|---------------------------------------|---|---------------------------------------|
| Altitude (m) | 70 | 90 | 110 |
| Accumulated Temperature (day °C) | 1269 | 1248 | 1226 |
| Average Annual Rainfall (mm) | 730 | 734 | 760 |
| Overall Climatic Grade | 2 | 2 | 2 |
| Field Capacity Days | 196 | 192 | 195 |
| Moisture deficit (mm): Wheat | 86 | 83 | 81 |
| Moisture deficit (mm): Potatoes | 71 | 66 | 64 |

4.1.2 The survey area lies in on the edge of the Northumberland coastal plain and has a cool moist climate. Accumulated Temperature (January–June), a measure of the relative warmth of the area, is 1,226°C in the south rising to 1,269°C in the north and the average annual rainfall is 730 mm in the north rising to 760 mm on the higher ground in the south.

4.1.3 This combination of rainfall and temperature indicates that the area is cool and moist, so the soils need to be well drained to support good crop growth, and a climatic limitation prevents land being graded higher than Grade 2 (interpolated from Figure 1 Grade According to Climate in the Defra ALC guidelines).

4.2 Site limitations

Slope

- 4.2.1 The land lies at an altitude of around 70 m aOD in the north falling to 38 m aOD in the Coquet valley and rising to 110 m on the highest knolls in the south. The majority of the survey area lies below 100 m. Table 1 in the Defra ALC guidelines gives the 'Grade according to gradient' criteria. Land is only downgraded due to gradient when the gradient is over 7°. Only short slopes (e.g. in the vicinity of auger boring 14) to the valley bottoms were occasionally too steep to be graded higher than Grade 3b, having gradients of 7-11°. The agricultural land mostly has gradients that are less than 7° and mainly less than 3° so gradient is not a factor which would down grade the agricultural land. Small areas of disturbed land occur either side of the A1 at High Highlaws and at Causey Park and Bockenfield Bridge where surface microrelief is a limitation.

Flooding

- 4.2.2 The majority of the survey area is not affected by flooding from rivers or sea, but the River Coquet near Felton, the Longdike Burn south of the airfield at Eshott, the Earsdon Burn at Causey Park and the River Lyne at Priests Bridge all have a confined floodplain which will limit the use of the adjacent land and tends to moderate ALC grade.

4.3 Soil and interactive limitations

Soil depth

- 4.3.1 Topsoil (>150 mm) and subsoil depths (>1,200 mm) across the survey area are good and more than adequate for continuous arable or grass production. There are no limitations on ALC grade due to soil depth. Table 4 in the Defra ALC guidelines gives the 'Grade according to soil depth' criteria.

Stone content

- 4.3.2 Soil profile stone contents are variable and generally low (<5%) in soil types 1, 2 and 4. Soil type 3 has moderately stony topsoil (>5%) that is locally limiting to ALC Grade 2 adjacent to the River Coquet. Table 5 in the Defra ALC guidelines gives the 'Grade according to stoniness' criteria.

Soil texture

- 4.3.3 Particle size distribution (PSD) by laboratory analysis for selected topsoil and subsoil samples across the survey area confirmed field observations of light to medium loam in soil types 1 and 3 with heavy clay loam and clay in soil types 2 and 4. With the exception of isolated borings of slightly to moderately organic topsoil and very rare peat deposits, all of the survey area is occupied by non-calcareous soil with mineral textures.

Soil erosion

- 4.3.4 Over the vast majority of the survey area gradients are low and soil textures are medium to heavy indicating that, with reasonably sensitive management, erosion

losses to wind and water are a relatively low risk and machinery can be used without impediment.

Wetness and workability

- 4.3.5 Soil wetness is the predominant limiting factor within this survey area due to the clayey soil textures and imperfect to poor drainage (WC III and WC IV). The soils are moderately well structured and permeable in the topsoil but the subsoil is heavier textured and often poorly structured with impeded drainage immediately below the topsoil and into the lower subsoil (WC IV). In the south the soils with a deeper, lighter textured soil are gleyed within 400 mm and slowly permeable at depths below 530 mm and therefore fall into WC III.

Soil droughtiness

- 4.3.6 Summer moisture deficits with the survey area are 81-86 mm for winter wheat and 64-71 mm for potatoes. With these moisture deficits droughtiness is not a limiting factor across the survey area.

4.4 Summary of Main Limitations on ALC Grading

- 4.4.1 The main factors affecting land quality in the study area are:

- An over-riding climatic limitation of ALC Grade 2 across the entire study area.
- Depth to a slowly permeable layer coupled with soil texture, which ultimately affects the wetness and workability of the soils.
- Very localised topsoil stone content
- Gradients of more than 7° which locally limit land quality to Subgrade 3b.

4.5 Land Quality

- 4.5.1 The distribution of agricultural land quality across the survey area is shown in Appendix 1 (plans 1-6). A description of ALC grades and subgrades is shown in Appendix 5.

Grade 1

- 4.5.2 No land has been placed in this grade.

Grade 2

- 4.5.3 There are two small areas of Grade 2 land which occupy 2.279 ha, or 1.33 % of the agricultural area within the survey area. These are located to the southeast of the River Coquet and in the south on the foot-slopes of Hebron Hill. This land is occupied by lighter profiles of Soil Type 3 and the land is generally free draining (WC I). The main limitation to ALC grade is imposed by climate and in the north and by topsoil stone contents of more than 5 %.

Subgrade 3a

- 4.5.4 This Subgrade has been mapped across 12.843 ha, or 7.51% of the agricultural area within the survey area. It includes better drained profiles in soil type 1 and transitional soil profiles close to soil type 3. The soils have

either:

a medium clay loam or sandy clay loam topsoil and overlies heavy clay loam or clay. The soils are gleyed within 400 mm and have slowly permeable layers at depths between 520/530 mm and 690/700 mm of the surface (WC III).

Or:

a medium sandy loam to sandy clay loam topsoil over lighter textured upper subsoils and variable lower subsoils. These soils fall into WC II and III and contain isolated profiles of Grade 2 where the topsoil is sandy loam.

- 4.5.5 Subgrade 3a is land of good quality and capable of producing consistently high yields of a narrower range of agricultural crops including cereals, oilseed rape, root crops and/or grass and will be suited to spring cropping. In wetter years the land is likely to be prone to workability and root crop quality issues which may moderate yields and flexibility.

Subgrade 3b

- 4.5.6 This Subgrade is mapped over 111.491 ha, or 65.15 %, of the agricultural area within the survey area and include the less well drained profiles in soil type 1 and slightly better drained profiles of soil types 2 and 4 which have:

either:

a medium clay loam to sandy clay loam topsoil over similar or heavier subsoils. The profiles are gleyed within 400 mm and are slowly permeable within 520 mm / 530 mm (WC IV).

Or:

a heavy clay loam to clay topsoil over similar or heavier subsoils. The profiles are gleyed within 400 mm; and are slowly permeable at depths below 520/530 mm and so fall into (WC III).

- 4.5.7 This Subgrade occupies land of moderate quality with limitations imposed by soil wetness and workability. It will be suited to a relatively narrow range of mainly winter sown combinable crops and grassland. In dry years, yields of combinable crops are likely to be good but when wet, cultivations, sowing, maintenance and harvesting are likely to be more variable, increasing costs and decreasing yields.

Grade 4

- 4.5.8 This grade has been mapped across 44.511 ha, or 26.01%, of the agricultural land within the survey area and includes areas of soil type 2 and locally soil type 4 which have heavy clay loam to clay topsoil over similar or heavier subsoils. The profiles are

gleyed within 400 mm and often gleyed close to the surface. They have a slowly permeable layer which occurs within 520/530 mm (WC IV).

- 4.5.9 A number of areas of pronounced ridge and furrow landform together with disturbed soils have also been placed into this category due to significant limitations caused by poor surface microrelief, topsoil and subsoil mixing and subsoil compaction.
- 4.5.10 This land is poor quality with severe limitations imposed by soil wetness and workability due to the heavy topsoil texture, slowly permeable and occasionally disturbed subsoils. The land requires intensive artificial underdrainage schemes to be productive and it will be most suited to winter sown combinable crops of oilseed rape and cereals or to grass used for conservation and grazing. Spring arable cropping is unlikely to be feasible in all but the very driest years.

Grade 5

- 4.5.11 No land has been placed in this grade.

Non-agricultural land

- 4.5.12 This grade has been mapped over 69.427 ha, or 28.72%, of the total survey area and includes the existing A1 and its slip roads and junctions; woodlands, Eshott airfield; service roads; farm tracks; woodland; recreational and residential land within the proposed development boundary.

4.6 Summary of ALC grades within the survey area

- 4.6.1 A summary of the ALC grade distribution for the survey area (includes non-agricultural land) and also for the agricultural land area is shown in Table 2.
- 4.6.2 A map showing the distribution of ALC grades is shown at Appendix 1, auger borings and profile pit locations are shown on the plans at Appendix 2. Soil profile pits are described at Appendix 3 and individual soil auger details given at Appendix 4. Appendix 5 provides more detail on the ALC system and the results of laboratory analysis for topsoil particle size distribution are shown at Appendix 6.

Table 2: Summary of Agricultural Land Classification grades across the survey area

| Grade | Area (ha) | % of Total Area | % of agricultural area |
|-------|-----------|-----------------|------------------------|
| 1 | - | - | - |
| 2 | 2.279 | 0.94 | 1.33 |
| 3a | 12.843 | 5.32 | 7.51 |
| 3b | 111.491 | 46.12 | 65.15 |
| 4 | 44.511 | 18.41 | 26.01 |

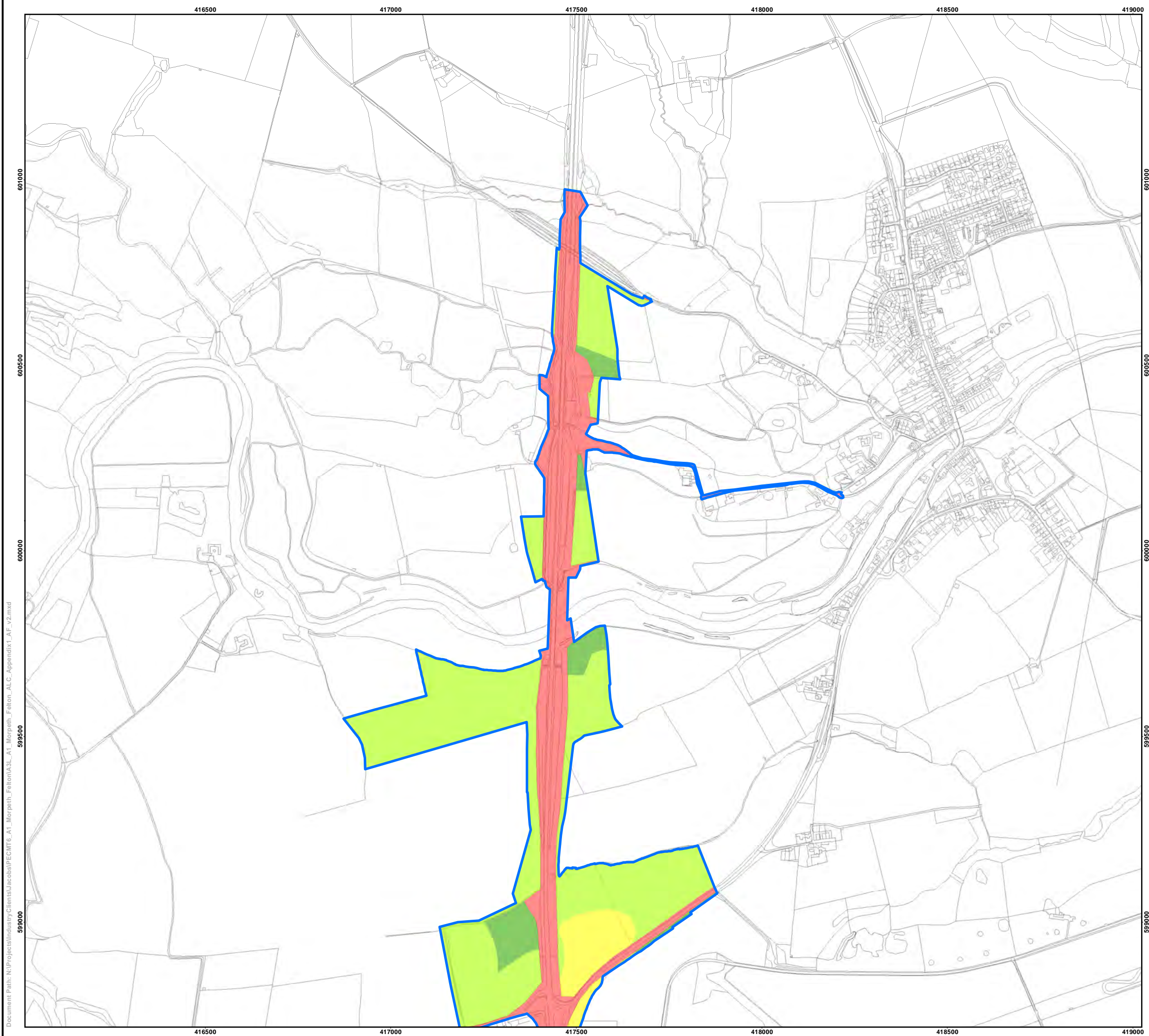
| | | | |
|-----------------------|----------------|------------|------------|
| 5 | - | - | - |
| Non-agricultural land | 69.427 | 28.72 | - |
| Not surveyed | 1.184 | 0.49 | - |
| Total | 241.735 | 100 | 100 |

5 Conclusions

- 5.1 The 1:250,000 Provisional ALC maps, produced in the 1970s, classified the land over the survey area as Grade 3, however this provisional mapping exercise was indicative only. Therefore, to accompany the Scheme's EIA the Study Area been classified using the current ALC guidelines.
- 5.2 The detailed surveys undertaken for this report have classified the land as a mix of predominantly poorer quality land but ranging from Grade 2 through Subgrades 3a and 3b to Grade 4 land.
- 5.3 Moderate quality land ALC Subgrade 3b and poor quality land ALC Grade 4 occupy 156.002 ha, or 91.16 %, of the agricultural land within the survey area. These grades are not included in the 'Best and Most Versatile' (BMV) land category (Grade 1-3a) and are afforded less protection from development under Government policy.
- 5.4 ALC Grade 2 and Subgrade 3a land occupy 15.122ha, or 8.84 % of the agricultural land within the survey area, and fall within a 'BMV' category. The road scheme will impact on a relatively small proportion of BMV land and potential impacts on better quality soil resources and land quality must be balanced against the wider socio-economic and environmental impacts of the overall scheme.
- 5.5 A suitable soil handling strategy would be developed to help preserve land quality on the temporary land take areas and to make effective use of better-quality soils from the areas of permanent development. The plan should help to preserve the soil and retain soil functions such as water and carbon storage.

APPENDIX 1 - Distribution of ALC Grades (Plans 1-6)

(See following pages)



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







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A1 Morpeth to Felton

Appendix 1 Agricultural Land Classification Part 1 of 6

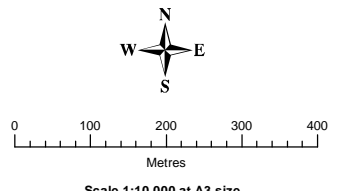
 Final Red Line Boundary

ALC grade

-  1
-  2
-  3a
-  3b
-  4
-  5
-  No access for survey
-  Other

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416500 417000 417500 418000 418500 419000

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A1 Morpeth to Felton

Appendix 1 Agricultural Land Classification Part 2 of 6

 Final Red Line Boundary

ALC grade

 1


 2

 3a

 3b

 4

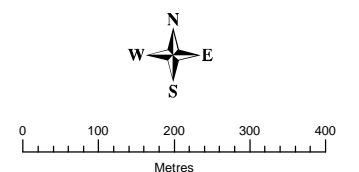
 5

 No access for survey

 Other

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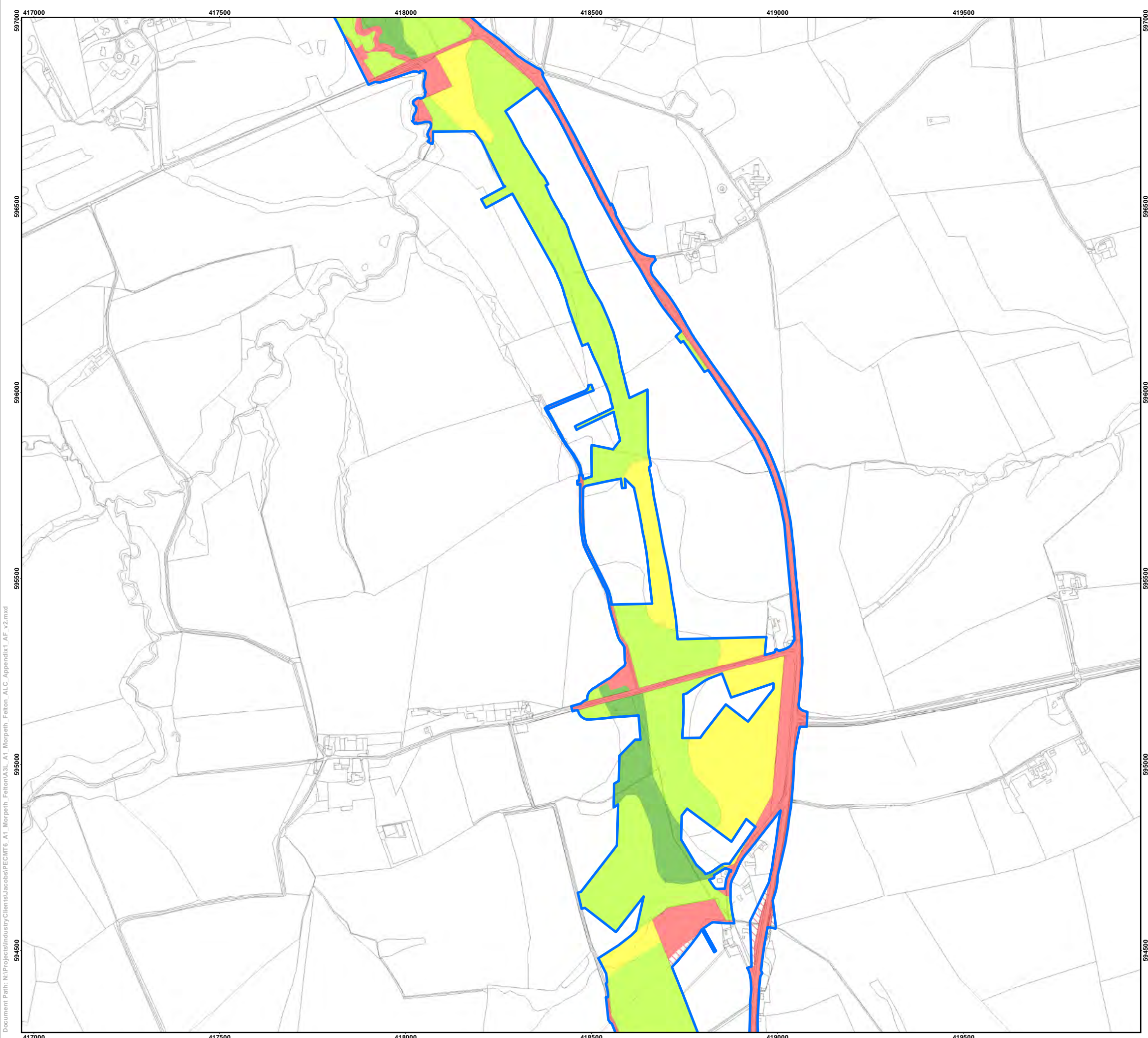
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




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A1 Morpeth to Felton

**Appendix 1
Agricultural Land Classification
Part 3 of 6**

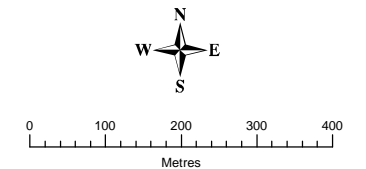
 Final Red Line Boundary

ALC grade

-  1
-  2
-  3a
-  3b
-  4
-  5
-  No access for survey
-  Other

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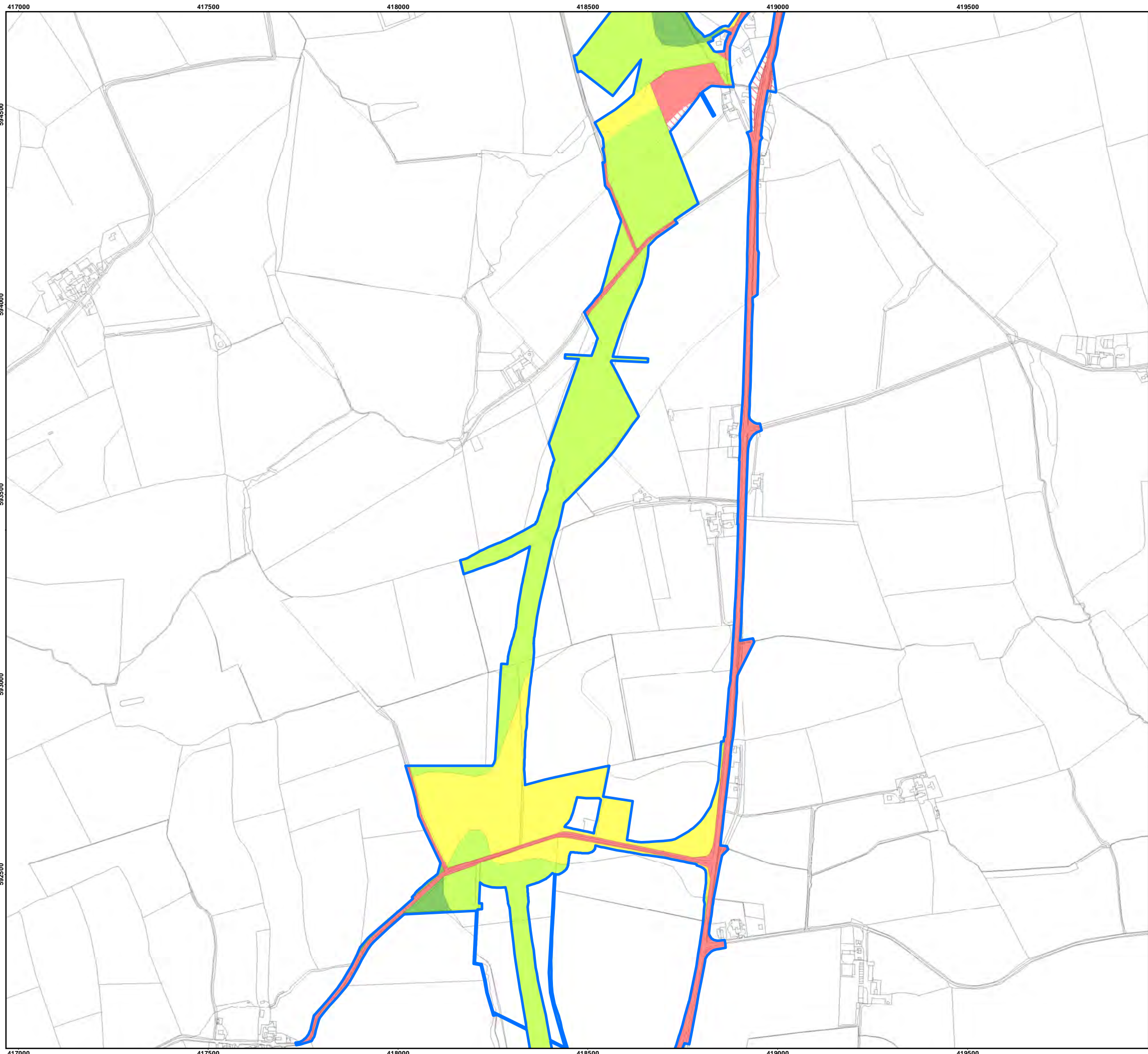
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A1 Morpeth to Felton

**Appendix 1
Agricultural Land Classification
Part 4 of 6**

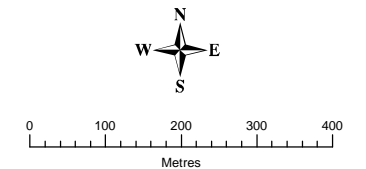
Final Red Line Boundary

ALC grade

- 1
- 2
- 3a
- 3b
- 4
- 5
- No access for survey
- Other

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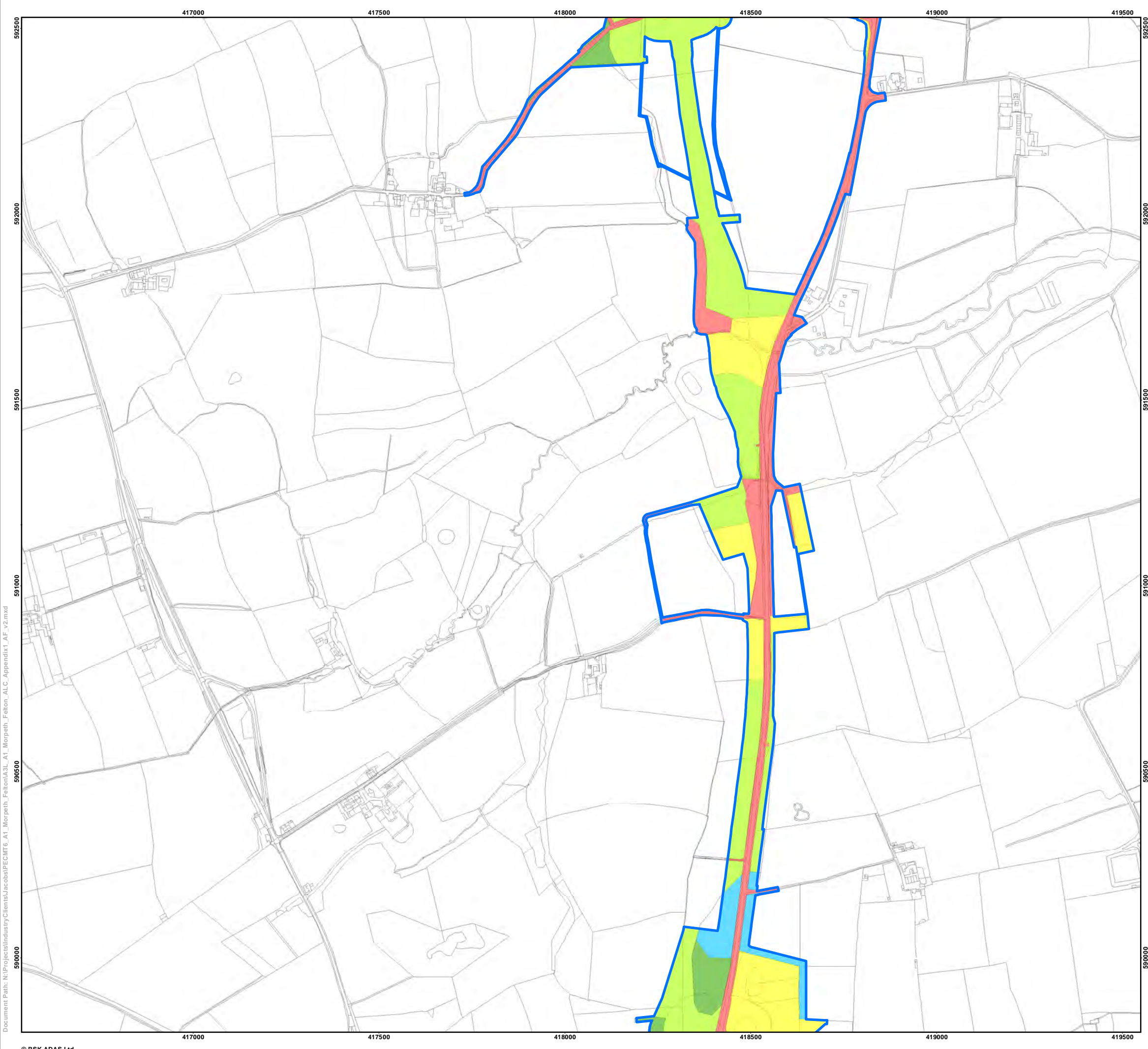


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A1 Morpeth to Felton

Appendix 1 Agricultural Land Classification Part 5 of 6

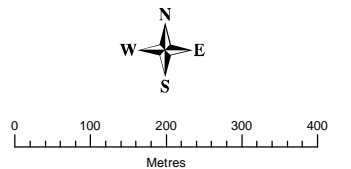
Final Red Line Boundary

ALC grade

- 1
- 2
- 3a
- 3b
- 4
- 5
- No access for survey
- Other

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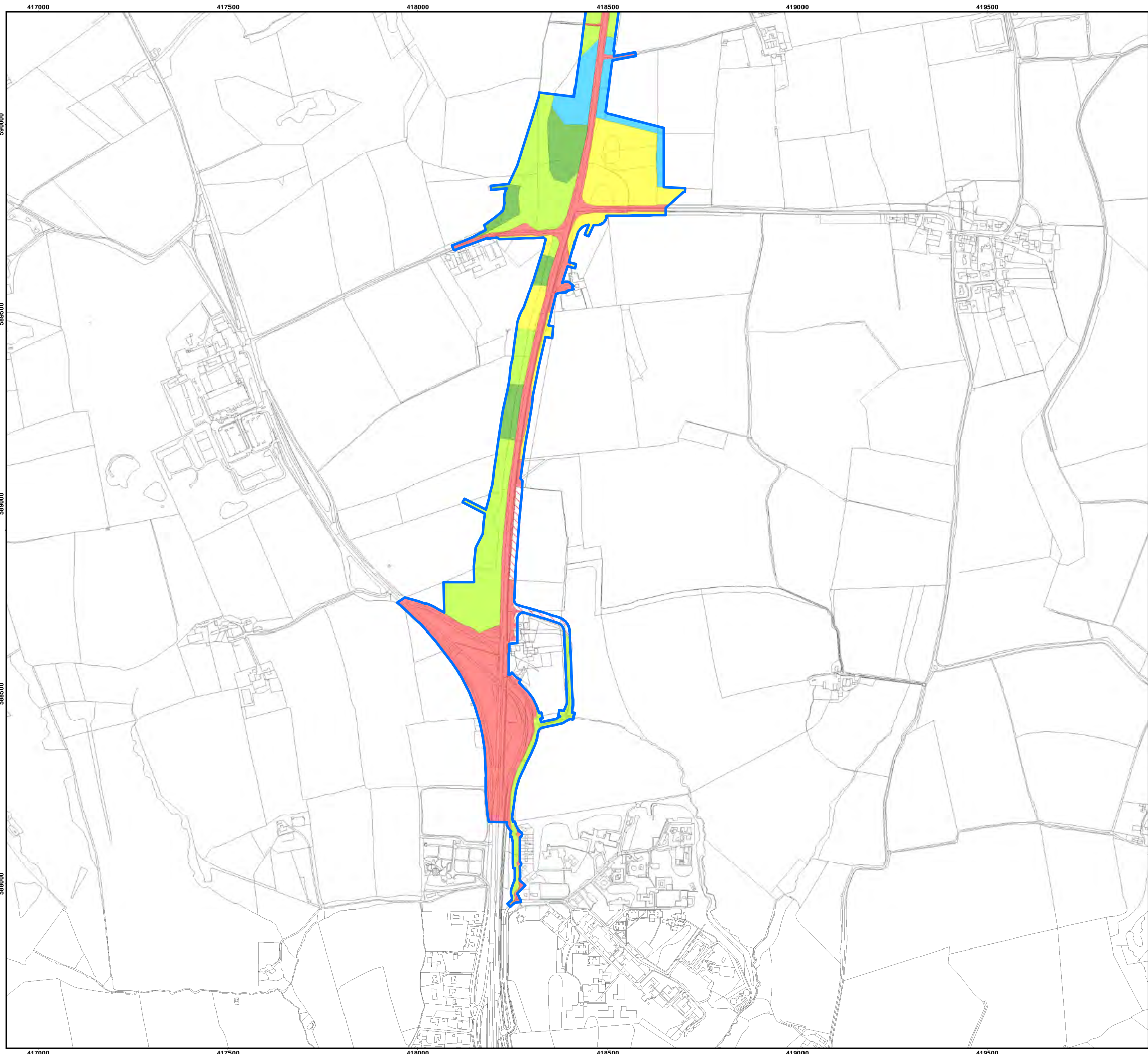


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A1 Morpeth to Felton

**Appendix 1
Agricultural Land Classification
Part 6 of 6**

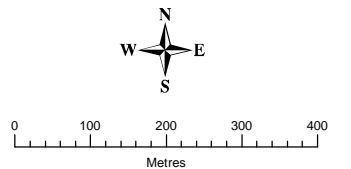
Final Red Line Boundary

ALC grade

- 1
- 2
- 3a
- 3b
- 4
- 5
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- Other

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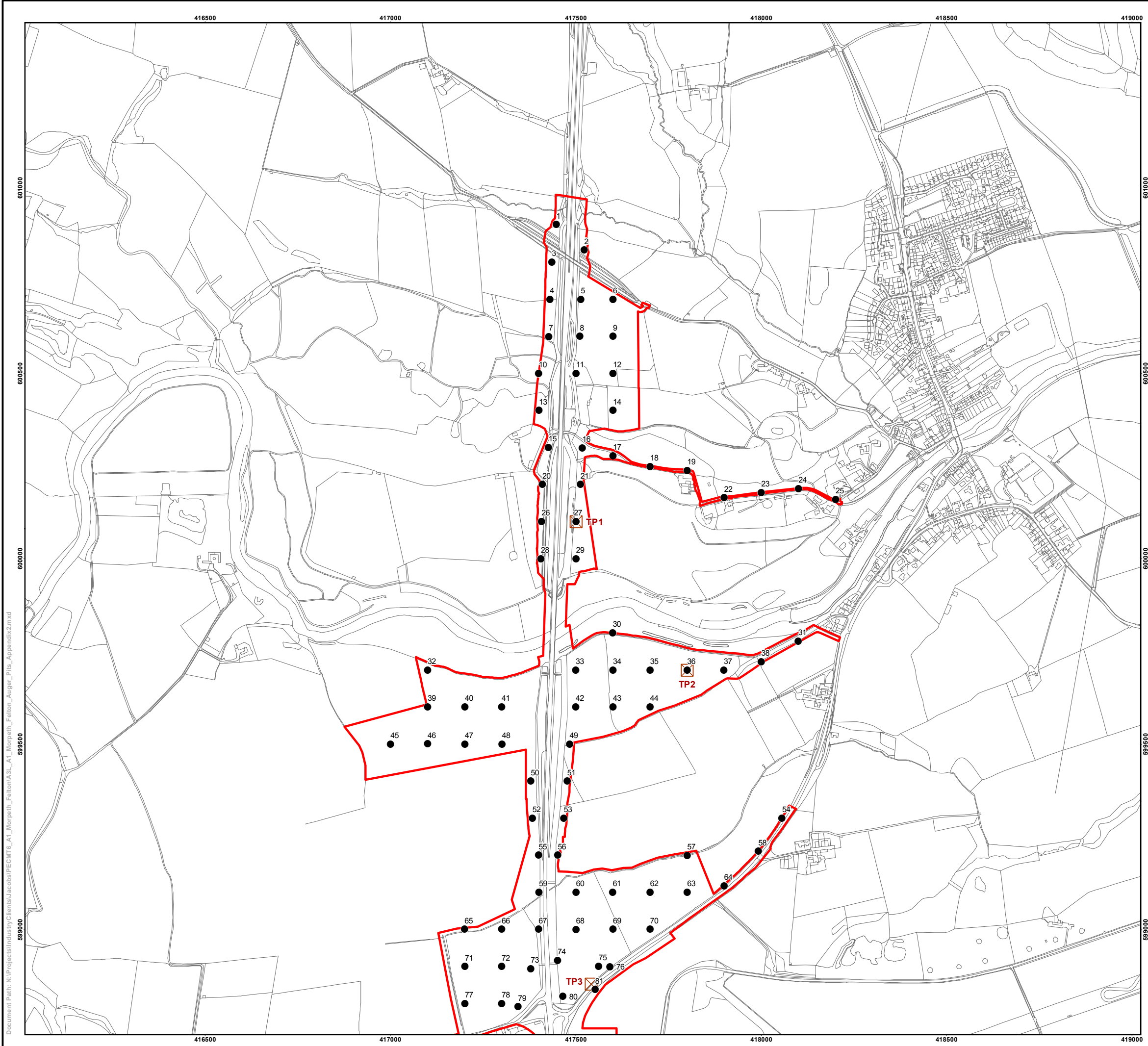


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Appendix 2 - Location of soil auger borings and soil profile pits

Plans 1-6

(See following pages)



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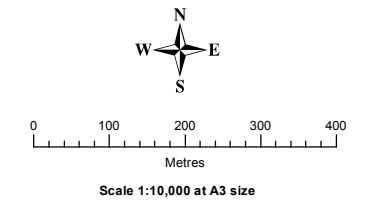
A1 Morpeth to Felton

**Appendix 2
Location of Soil Auger Borings
and Soil Profile Pits
Part 1 of 6**

- Site boundary
- Auger boring
- Soil profile pit

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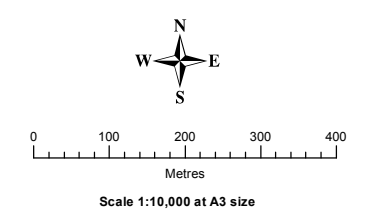
A1 Morpeth to Felton

Appendix 2 Location of Soil Auger Borings and Soil Profile Pits Part 2 of 6

-  Site boundary
-  Auger boring
-  Soil profile pit

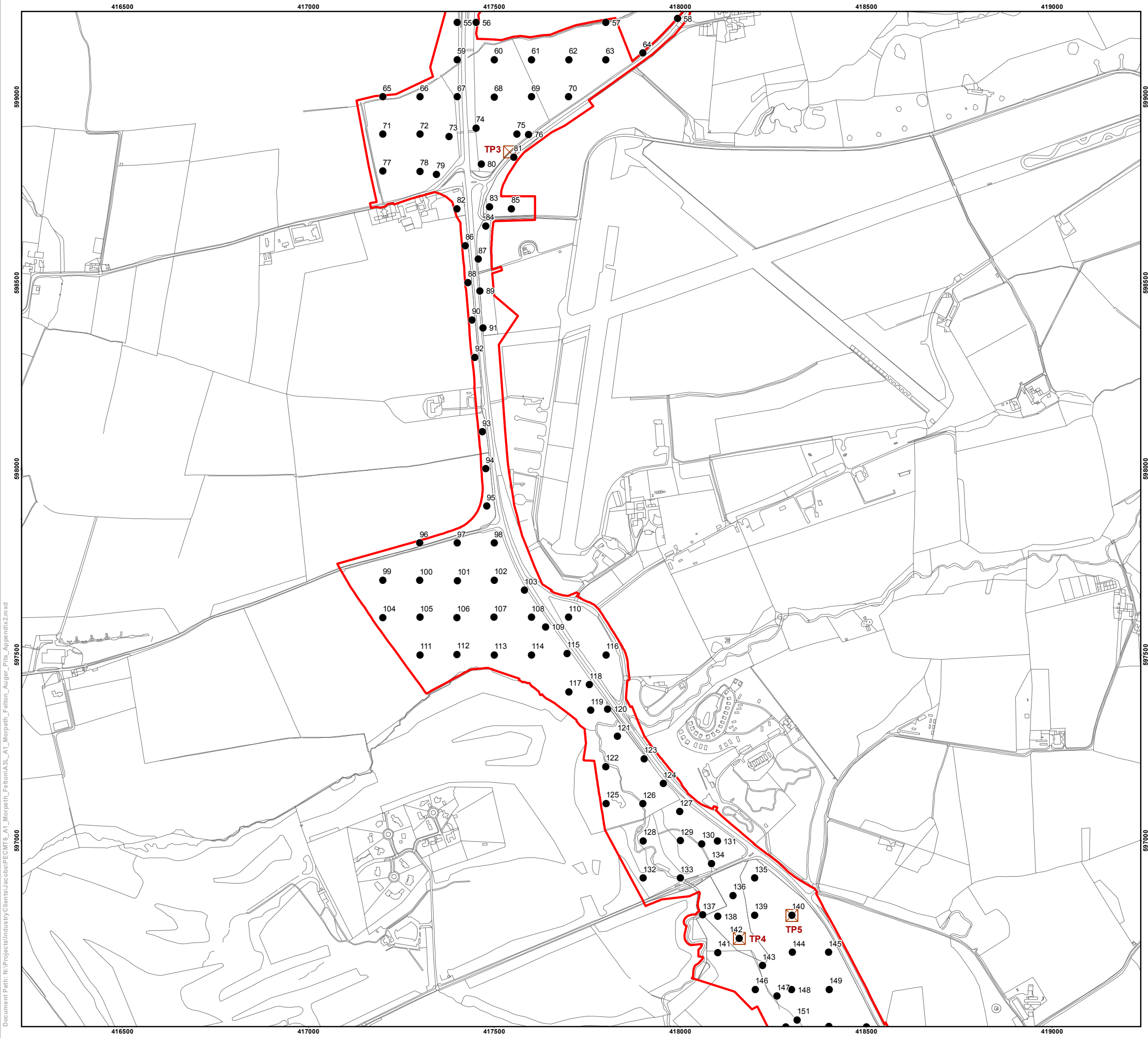
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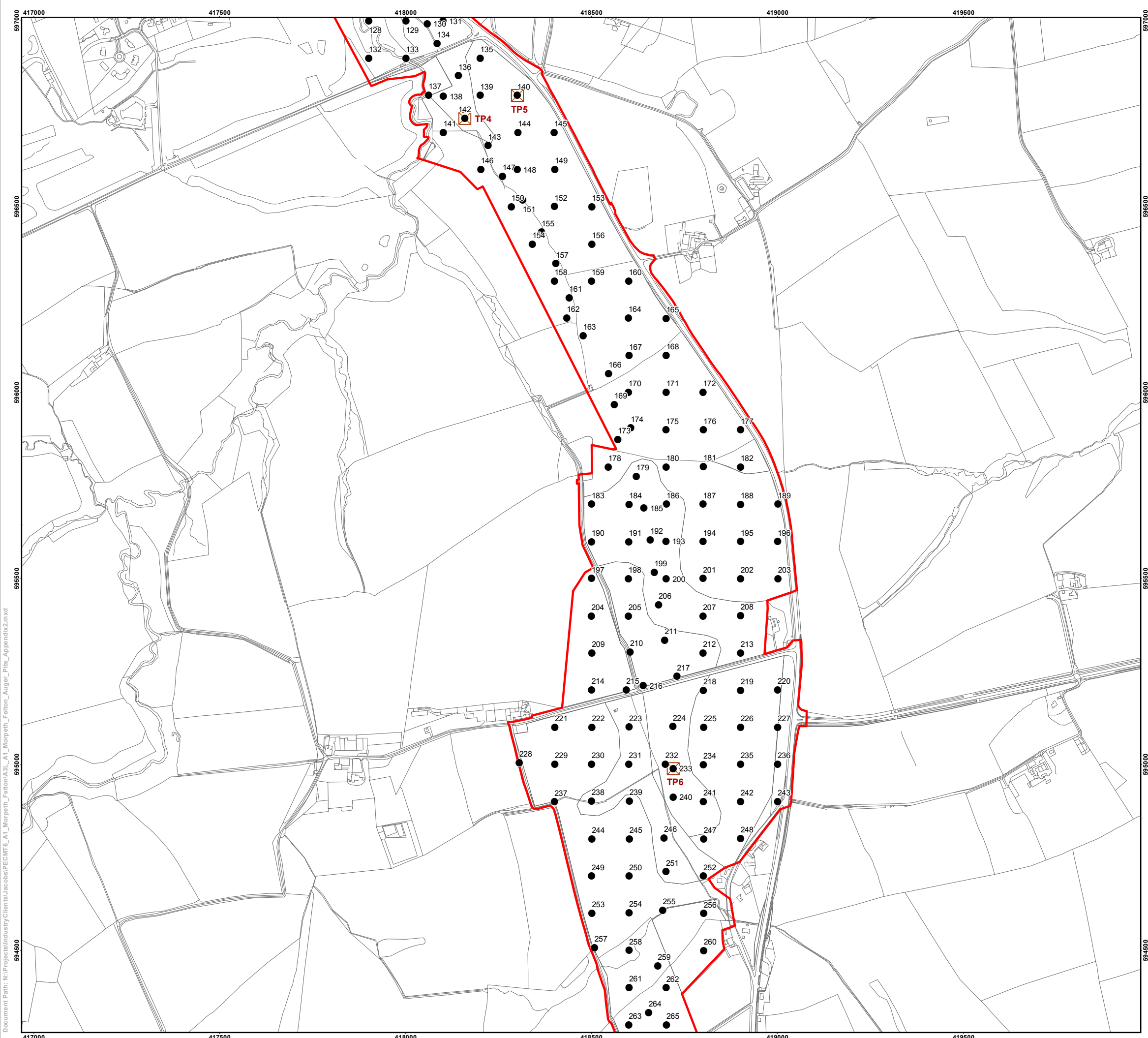


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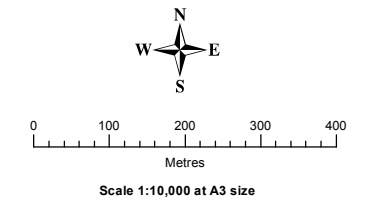
A1 Morpeth to Felton

**Appendix 2
Location of Soil Auger Borings
and Soil Profile Pits
Part 3 of 6**

- Site boundary
- Auger boring
- X Soil profile pit

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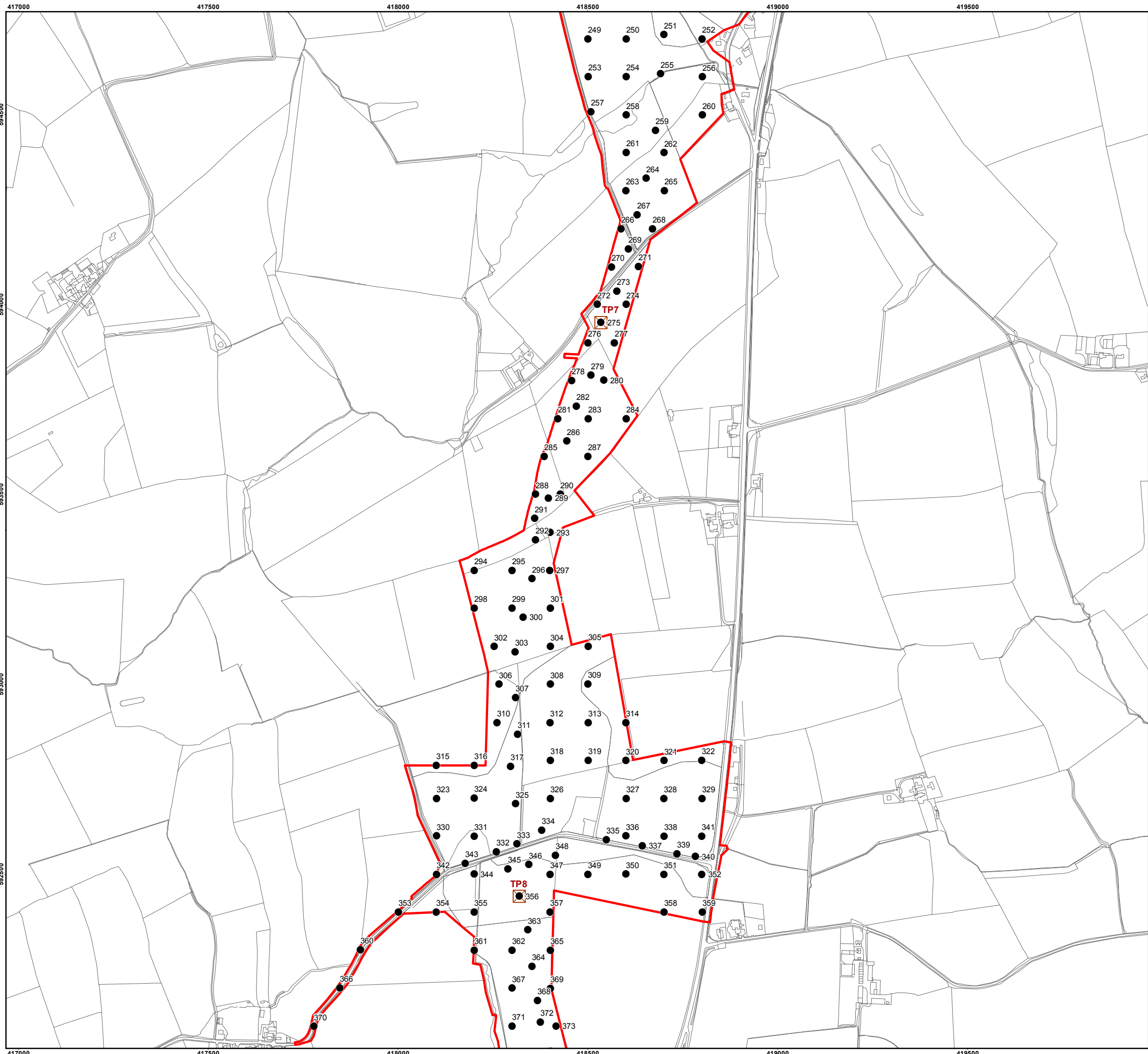


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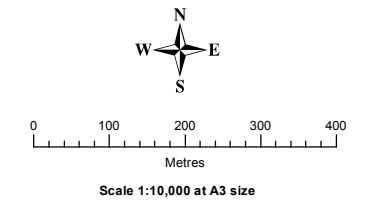
A1 Morpeth to Felton

**Appendix 2
Location of Soil Auger Borings
and Soil Profile Pits
Part 4 of 6**

- Site boundary
- Auger boring
- Soil profile pit

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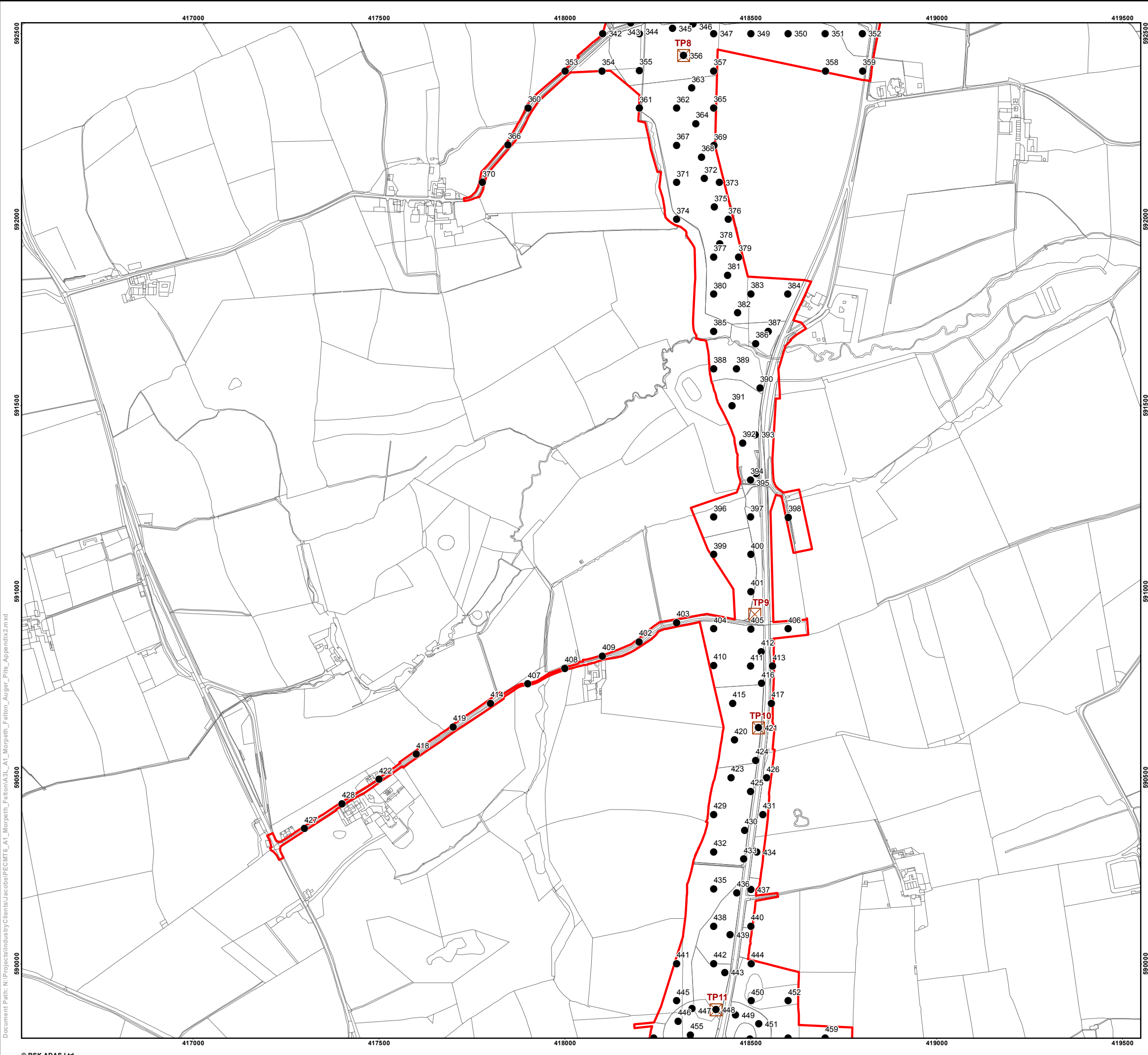


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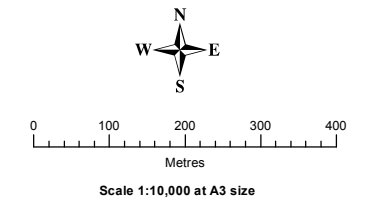
A1 Morpeth to Felton

**Appendix 2
Location of Soil Auger Borings
and Soil Profile Pits
Part 5 of 6**

- Site boundary
- Auger boring
- X Soil profile pit

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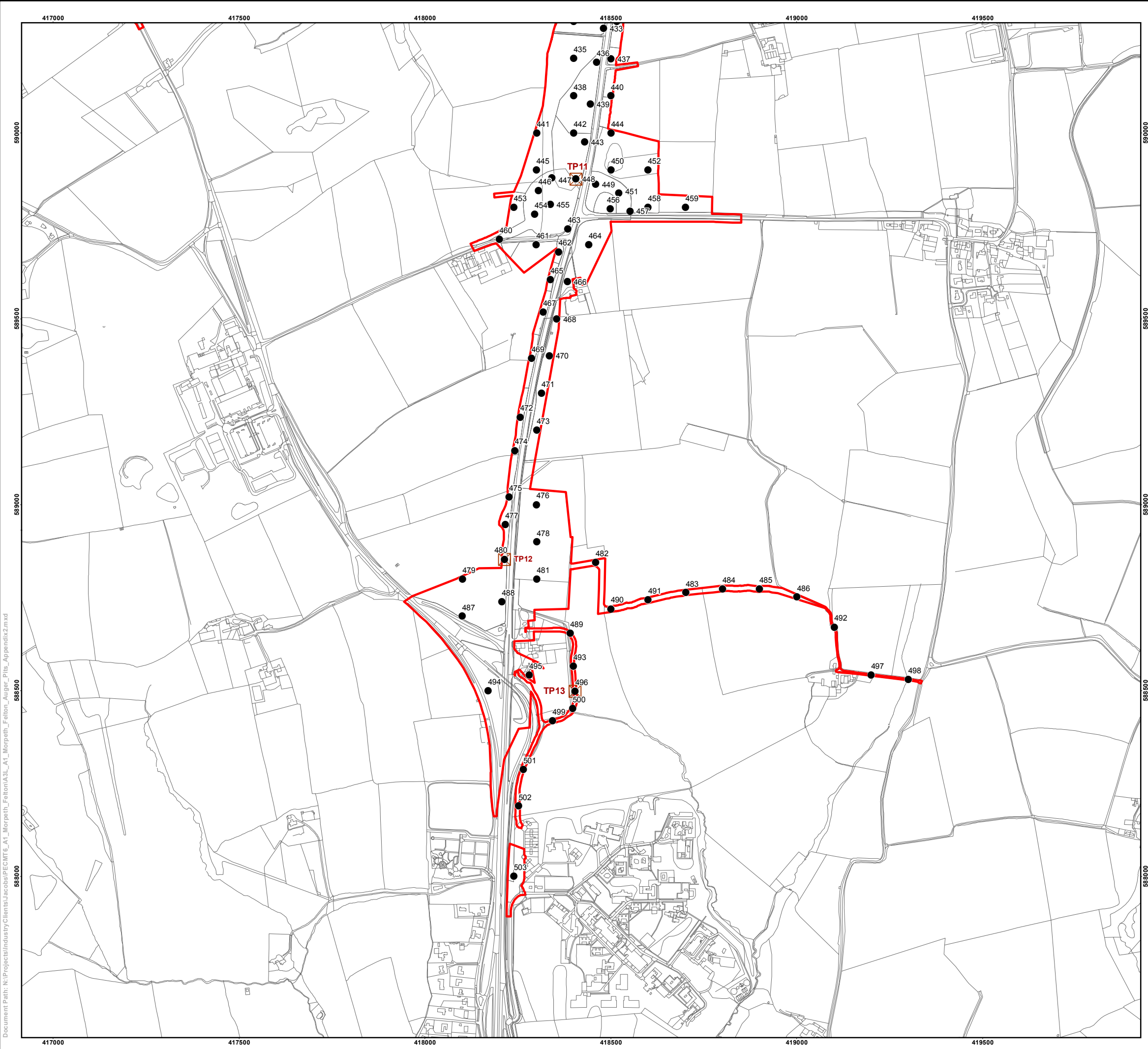


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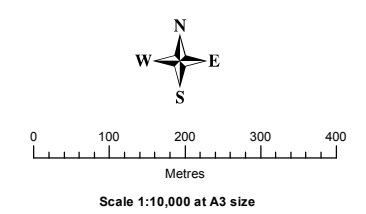
A1 Morpeth to Felton

**Appendix 2
Location of Soil Auger Borings
and Soil Profile Pits
Part 6 of 6**

- Site boundary
- Auger boring
- Soil profile pit

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Appendix 3 - Description of soil profile pits

Soil Profile Pits - Key to Abbreviations

(See following pages)

Appendix 3

A1 Morpeth to Felton

Soil Profile Pits - Key to Abbreviations

| Topsoil and subsoil texture | | | Soil colour/mottles | | |
|-----------------------------|---|--------------------------------|--------------------------------|---|------------------------|
| zc | - | silty clay | bl | - | black |
| c | - | clay | br | - | brown |
| hcl | - | heavy clay loam | fe | - | Iron concretions |
| hzcl | - | heavy silty clay loam | g | - | grey |
| mcl | - | medium clay loam | lt | - | light |
| mzcl | - | medium silty clay loam | mn | - | manganese concretions |
| scl | - | sandy clay loam | o | - | ochrous |
| msl | - | medium sandy loam | ol | - | olive |
| mszl | - | medium sandy silt loam | p | - | pale |
| scl | - | sandy clay loam | pg | - | pale grey |
| csl | - | coarse sandy loam | r | - | red |
| msl | - | medium sandy loam | y | - | yellow |
| mszl | - | medium sandy silt loam | Structure | | |
| fsl | - | fine sandy loam | W | - | weak |
| fszl | - | fine sandy silt loam | M | - | moderate |
| zl | - | silt loam | W | - | well |
| lcs | - | loamy coarse sand | Wk (v) | - | Weak (very) |
| lms | - | loamy medium sand | AB | - | angular blocky |
| lfs | - | loamy fine sand | SAB | - | sub angular blocky |
| cs | - | coarse sand | Mv | - | Massive |
| ms | - | medium sand | Pr | - | prismatic |
| fs | - | fine sand | SG | - | single grain |
| o | - | prefix 'o' = organic | F | - | fine |
| pl | - | peaty loam | M | - | medium |
| p | - | peat | C | - | coarse |
| Cropping/Land Use | | | Abundance (Mottles and Stones) | | |
| A | - | arable (unspecified) | r | - | rare |
| CULT | - | cultivated (awaiting drilling) | f | - | few |
| F | - | fallow | c | - | common |
| GC | - | game cover | m | - | many |
| NA | - | non agricultural | ab | - | abundant |
| PLO | - | ploughed | Stone type | | |
| PGR | - | permanant grassland | br | - | brick |
| PP | - | peranant pasture | chk | - | chalk |
| RGR | - | rough grassland | c | - | coal |
| R + F | - | ridge and furrow landform | fl | - | flint |
| WB | - | winter barley | frg | - | fragments |
| WC | - | winter cereals | grvl | - | gravel |
| WOSR | - | winter oilseed rape | hsst | - | hard sandstones |
| WW | - | winter wheat | hr | - | hard rock |
| Limitations | | | inerts | - | inert wastes |
| DR | - | drought | p | - | pottery |
| GR | - | gradient | ssst | - | softer sandstones |
| We | - | wetness | slt | - | siltstone |
| MR | - | microrelief | slst | - | soft limestone |
| CL | - | climate | q | - | quartzite pebbles |
| TX | - | texture | t | - | tile fragments |
| Gradient | | | Other | | |
| AL | - | almost level | Impen | - | impenetrable to auger |
| VGS | - | very gentle slope <3° | pok | - | pockets |
| GS | - | gentle slope 3-7° | occ | - | occasional |
| NS | - | moderate slope 7-11° | OB | - | overburden |
| SS | - | steep slope >11° | OM | - | organic matter |
| VSS | - | very steep slope >18° | SPL | - | slowly permeable layer |

A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage/ Porosity (0.5% pores) | Total Stone % |
|-----------------|--------------------------|-----------------------|-------------------|-------------------------------|---------------------------------|---------------------|
| 1 (AB27) | 290 | 10YR3/2 V Dk gr br | sl organic MCL | WFMSAB | m o >0.5% | <2% c + sst |
| Pasture | 650 | 10 YR 4/4 Dk y br | HCL | MM/CP | Och ab + c Mn cons >0.5% | 3-5% c + sst |
| | 1000 | As above | HCL/C | MCP | Och ab + Mn cons / <0.5% | 3-5% c + sst |
| | Gleyed in topsoil < 20cm | SPL at: 290 | Wetness class: 4 | Wetness grade: 3b | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 3b |



A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage/ Porosity (0.5% pores) | Total Stone % |
|----------------------|------------|----------------------------|-----------------------------|--|---------------------------------------|-----------------------|
| 2 (AB 36) | 320 | 10YR3/3 V Dk gr br | sl organic FSL (see psd) | WFMSAB | | 3-5 grvl + sst |
| Pasture | 550 | 10 YR 5/3 Dk y br | MSL | MM/CP | Och rare <0.5% | 5-10 grvl + sst |
| | 1000 | 10 YR6/6 Y br | LMS | MCP | Free draining | 40-50 grvl |
| | Not gleyed | No SPL | Wetness class: 1 | Wetness grade: NA | Comments: | |
| | | MB wheat: 29 MB pot: 31 | DR Grade: 2/1 | Main limitation. Climate + Stone content | | ALC grade 2 |



A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|----------------------------------|----------------|---------------------------------|-------------------|--|------------------------------------|-------------------------------------|
| 3 (AB 81) Perm pasture AL | 160 | 10YR32 V dk gr br | HCL, sl org (psd) | M,M&F SAB | - Occ rrm | <2% Coal fragments incorporated. |
| | 400 | 10YR42 dk gr br | HCL | MMAB, firm | Och few / >0.5% | <2% |
| | 650+ | 10YR41 Dk gr, v gr ped faces | HCL | MCAB, firm, becoming more prismatic with depth | Och many /<0.5% | <2% |
| | Gleyed at: 160 | SPL at: 400 | Wetness class: 4 | Wetness grade: 4 | Comments: Concrete plinth close by | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 4 |

A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage/ Porosity (0.5% pores) | Total Stone % |
|--------------------------------|----------------|--------------------------|------------------|----------------------------|---------------------------------|--------------------|
| 4 (AB 140) VGS above GS | 230 | 10YR42 Dk gr br | HCL (psd) | WCAB, firm. Platy to 50mm. | - /< 0.5% | <2% |
| | 340 | 7.5YR52 Br, gr ped faces | HCL | MCP, very firm | Och ab + Mn cons / <0.5% | <2% |
| | 550 | 7.5YR42 Br | C | SCP, very firm | Och ab + Mn cons / <0.5% | <2% |
| | 800 | 10YR52 Gr br | HCL | Augured below 550 | Och many | |
| | Gleyed at: 230 | SPL at: 230 | Wetness class: 4 | Wetness grade: 4 | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 4 |



A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage/ Porosity (0.5% pores) | Total Stone % |
|-------------------------|---------------------|--------------------------------------|---------------------|--|-----------------------------------|-------------------------------------|
| 5 (AB 142) WW GS | 260 | 10YR3/2 V dk gr br | SCL (Fine) | MFMSAB | < 0.5% | <2% hdsst c |
| | 700 | 7.5YR5/2 Br & dk y b | C | WCAB to CPr hard | Och gr ab + Mn cons / <0.5% | <2% |
| | 1000 | 7.5YR4/2 Br + y br gr at depth | C | WCPr – Augered below 700. V firm and coarser at depth | Och gr ab + Mn cons / <0.5% | <2% hdsst + weathered sst frg |
| | Gleyed at: <30cm | SPL at: 350 | Wetness class: 4 | Wetness grade: 3b | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 3b |



A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage/ Porosity (0.5% pores) | Total Stone % |
|-------------------|----------------|-------------------------------------|-----------------------|------------------------------------|---------------------------------|---------------|
| 6 (AB 233) | 150 | 10YR42 Dk gr br | HCL (psd to 250mm) | WCAB, firm. | - | <2% |
| Grass ley | 240 | 10YR42 Dk gr br | HCL | MMSAB | - | |
| | 350 | 10YR53 Br (pl) Gr ped faces | HCL | M,C&M, Pr, fm, sl compact layer | Och many / <0.5% | <2% |
| | 530 | 10YR63 Pl br, more gr with depth | HCL | MCPPr | Och ab + Mn cons / >0.5% | <2% |
| | 850 | 10YR52 Gr br | HCL | MCPPr, firm Augured below 570 | Och many / <0.5% | |
| | Gleyed at: 240 | SPL at:530 | Wetness class: 3 | Wetness grade: 3b | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 3b |



A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|---------------------|----------------|----------------------------------|---------------------------------|----------------------------|---------------------------------|---------------------|
| 7 (AB 275) | 240 | 10YR43 Dk br | MCL, litter layer at 240. (psd) | MMSAB, cultivated layer | - | |
| VGS, Winter cereals | 320 | 10YR42 Dk gr br, gr ped faces | MCL | WkCPr, firm compact | Och many / <0.5% | <2% |
| | 550 | 10YR62 Lt br gr | HCL, sy ped faces; occ pok SCL | MCPPr, firm | Och ab + Mn cons / <0.5% | <2% |
| | 1000 | Gr br | ZC + LMS poks | Augured below 550 | Och many | Sst frags com |
| | Gleyed at: 240 | SPL at:240 | Wetness class: 4 | Wetness grade: 3b | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 3b |





A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|---------------------------|-------------------|--------------------------|---------------------|-------------------------------|---------------------------------|-----------------------|
| 8 (AB 356) | 250 | 10YR43 br | C | MMSAB to 200 WkCPR to 250 | - Och few | |
| VGS, winter cereals | 360 | 75YR56 53 ped faces | C | MCPR to MCAB | Och ab / < | |
| | 580+ | 75YR56 + 52 ped faces | C | StCPr | Och ab + Mn cons /< | |
| | 580+ | Augered | C | | Och com | Sst frags |
| | Gleyed at: 250 | SPL at:250 | Wetness class: 4 | Wetness grade: 4 | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 4 |



A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|--|-------------------|------------------------------|--|-------------------------------|---------------------------------|-------------------------------|
| 9 (AB 306-401) | 260 | 10YR3/2 V dk gr br | HCL | WCAB | - Och few | 3-5% hdsst asstd stones |
| GS | 500 | YR 5/6 Str br | C | MC AB/Pr v firm | Och ab / < | 3-5% hd + ssst |
| Winter Wheat | 1000+ | 10 YR4/4 5/2 Dk y br + gr | C | Augered below 700 | Och ab + Mn cons /< | 3-5% hd + sst |
| | Gleyed at: 260 | SPL at:350 | Wetness class: 4 | Wetness grade: 4 | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 4 |
|  | | | <p>Subsoil structure and gleying</p>  | | | |

A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|--------------------|----------------|-------------------------------|-----------------------------------|-----------------------------|---------------------------------|---------------------|
| 10 (AB 421) | 150 | 7.5YR42 br / | MCL/SCL (psd) litter layer at 150 | WkCSAB, | - | <2 |
| | 280 | 75YR52 br | MCL/SCL | Massive, firm, sl anaerobic | Och many / < | |
| | 380 | 7.5YR54, br | SCL + LMS | WkCSAB | Och many + cons / < | Sst frags |
| | 580+ | 7.5YR56, st br grey ped faces | C | WkVCP, firm | Och + gr many / < | |
| | Gleyed at: 150 | SPL at: 380 | Wetness class: 4 | Wetness grade: 3b | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 3b |




A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|----------------------------|----------------|--------------------|------------------|-------------------------------|---------------------------------|---------------------|
| 11 (AB 448) pasture | 280 | 7.5YR42 dk br | SCL | MMSAB | Rrm +och few | <2 |
| | 330 | 7.5YR42 dk br (gr) | SCL | WkCSAB, firm | Och many/ < | <2 |
| | 500 | 7.5YR64, lt br | SCL | MCPR to MCAB, fm | Och many / > | <2 |
| | 800+ | 5YR56, yl rd | HCL | StCPr, fm augered below 550mm | Och Many + Mn cons /< | <2 |
| | Gleyed at: 280 | SPL at: 500 | Wetness class: 4 | Wetness grade: 3b | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. | | ALC grade 3b |



A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|--|----------------|-------------------|---|---------------------------------------|--|---------------------|
| 12 (AB 480) Recently cultivated | 230 | 7.5YR32, dk br | HCL, litter layer at base of horizon | M to Wk, F to C, SAB – ploughed layer | > | <2% |
| | 600+ | 7.5YR52, br (pl) | HCL | CPR breaking to M,M,PR, some C,SAB | Och many / > to 550 | <2% |
| | Gleyed at: 230 | SPL at: 550 | Wetness class: 3 | Wetness grade: 3b | Comments: large worm channels to base of pit. Close to edge of buried track. | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 3b |
|  | | | <p>Pit 8 Occasional ash roots across pit.</p> | | | |

A1 Morpeth to Felton Soil Profile Pit Descriptions

| Pit | Depth (mm) | Colour | Texture/ | Structure | Drainage /Porosity (0.5% pores) | Total Stone % |
|-------------------|----------------|-------------------------|------------------|----------------------------|---------------------------------|---------------------|
| 13 (AB496) | 250 | 10YR42, dk gr br | MCL | M, M to C, SAB | > | <1% |
| | 400 | 10YR52, Gr br | MCL/SCL | M,C,SAB, fri | Och com / < to 300, >300+ | <1% |
| | 500+ | 10YR53, br gr ped faces | HCL | M C Pr firm | Och many+ Mn com / < | <2% |
| | Gleyed at: 250 | SPL at: 400 | Wetness class: 4 | Wetness grade: 3b | Comments: | |
| | | MB wheat: MB pot: | DR Grade: | Main limitation. We | | ALC grade 3b |

Appendix 4 - Description of individual soil auger borings

(See following pages)

**A1 Morpeth to Felton
Description of Individual Soil Auger Borings**

Appendix 6

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|---------|------|--------|-----------|------------------|--------------|---------------|-----|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 1 | NA | | | | | | | | | | | Woodland/Recent plantation |
| 2 | PGR | 0-24 | scl | o | f | 3-5 | hdsst | <40 | 40 | IV | 3b | SI organic topsoil. Grazed. 1-2 ^o - undulating - mature/ancient oak/ask trees nearby. Increasing clay with depth |
| | | 24-40 | mcl | o g mn | f | 3-5 | hdsst | | | | | |
| | | 40-80 | hcl/c | o g | ab | 3-5 | hdsst | | | | | |
| 3 | WB | 0-27 | mcl | - | - | 1-2 | hdsst | <40 | 35 | IV | 3b | |
| | | 27-35 | mcl | o g | c | 1-2 | hdsst | | | | | |
| | | 35-45 | hcl | o g | ab | 1-2 | hdsst | | | | | |
| | | 45-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 4 | WW | 0-24 | mcl | | | 1-2 | hdsst c | <40 | 35 | IV | 3b | |
| | | 24-35 | hcl | o g | m | 1-2 | hdsst c | | | | | |
| | | 35-100 | hcl/c | g o | ab | 3-5 | hdsst c | | | | | |
| 5 | PGR | 0-28 | omcl | o | r>20 | 1-2 | scl | <40 | 45 | IV | 3b | Grazed. 1-2 ^o . Slightly organic topsoil. Localised undulations |
| | | 28-45 | mcl/scl | o g | c | 1-2 | hdsst zst | | | | | |
| | | 45-80 | hcl/c | o g | ab | 3-5 | hdsst | | | | | |
| 6 | PGR | 0-21 | mcl | | | 1-2 | hdsst | <40 | 47 | IV | 3b | Nettles/weeds |
| | | 21-47 | mcl | o | m | 1-2 | hdsst | | | | | |
| | | 47-70 | hcl | o g | | 1-2 | hdsst | | | | | |
| | | 70-150 | c | o g mn | ab | 1-2 | hdsst | | | | | |
| 7 | NA | 0-10 | pl | bk | | | | <40 | 35 | IV | NA | New plantation |
| | | 10-30 | mcl | - | | 1-2 | hdsst | | | | | |
| | | 30-45 | mcl | o g | c | 1-2 | hdsst | | | | | |
| | | 45-100 | c | o g | ab | 1-2 | hdsst | | | | | |
| 8 | PGR | 0-28 | omzcl | o | r>20 | 1-2 | hdsst | <40 | 35 | IV | 3b | Gazed. V gently undulated, gently undulating C increases with depth |
| | | 28-40 | mcl/hcl | o g mn | c | 1-2 | hdsst | | | | | |
| | | 40-80 | c | o g | ab | 3-5 | hdsst | | | | | |
| 9 | PGR | 0-25 | scl | | | 1-2 | hdsst | <40 | 40 | IV | 3b | Grazed |
| | | 25-38 | mcl | o | c | 1-2 | hdsst | | | | | |
| | | 38-60 | hcl | o g | m | 3-5 | ssst | | | | | |
| | | 60-100 | c | o g mn | ab | 3-5 | hdsst | | | | | |
| 10 | NA | 0-29 | mcl | o | r | 1-2 | hdsst | <40 | 35 | IV | NA | Woodland. 4-7 ^o locally 7-11 ^o microrelief and deep ditches |
| | | 29-40 | mcl/hcl | o g | c | 1-2 | hdsst | | | | | |
| | | 40-100 | hcl | o g | ab | 1-2 | hdsst | | | | | |
| 11 | NA | 0-20 | omzcl | b | | | | <40 | >70? | IV/V | NA | Woodland. 7-11 ^o and micro relief. Deep peat. Saturated > 70cm |
| | | 20-100 | p | b | | | | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|---------|-----|--------|----------------|------------------|--------------|---------------|--|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 12 | PGR | 0-32 | scl | | | 1-2 | hdsst | <40 | No SPL | I/II | 3a | Grazed. Sand at depth, improved drainage. |
| | | 32-60 | scl | o | c | 1-2 | hdsst | | | | | |
| | | 60-75 | scl | o g | c | 1-2 | hdsst | | | | | |
| | | 75-100 | ms | o | c/m | | | | | | | |
| 13 | NA | 0-29 | scl | o | r | 0-1 | grvl hdsst | <70 | No SPL | I/II | 2 | Mature conifers. Alluvial - low lying at bottom of steep embankment. Bands of scl + msl in subsoil. |
| | | 29-100 | scl | o | r | | | | | | | |
| 14 | PGR | 0-26 | scl | o | r | 1-2 | hdsst | <40 | No SPL | IV | 3b | Steep gradient 7-11 ° - valley very dry at surface |
| | | 26-44 | scl | o g | f | 1-2 | hdsst | | | | | |
| | | 44-100 | c | o g | ab | 3-5 | hdsst q | | | | | |
| 15 | NA | | | | | | | | | NA | Bale and equipment storage, rough ground, prob disturbed by previous road construction | |
| 16 | NA | | | | | | | | | NA | Woodland | |
| 17 | NA | | | | | | | | | NA | Woodland | |
| 18 | NA | | | | | | | | | NA | Woodland | |
| 19 | NA | | | | | | | | | NA | Woodland | |
| 20 | PGR | 0-26 | fscl | o | r | 1-2 | hdsst c | <30 | 35 | IV | 3b | Grazed. Topsoil sl organic, sl gleyed. Flat |
| | | 26-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 21 | PGR | 0-30 | scl | o g | f | 1-2 | hdsst q grvl | <40 | 65 | III | 3a | Grazed. 1-2 ° coarser sand >40 |
| | | 30-65 | msl | o g | c | 1-2 | hdsst q grvl | | | | | |
| | | 65-100 | hcl | o g | ab | 3-5 | hdsst | | | | | |
| 22 | NA | | | | | | | | | NA | | |
| 23 | NA | | | | | | | | | NA | | |
| 24 | NA | | | | | | | | | NA | | |
| 25 | NA | | | | | | | | | NA | | |
| 26 | PGR | 0-26 | mcl | o | f | 1-2 | hdsst c q | <40 | 38 | IV | 3b | |
| | | 26-38 | hcl | o g | ab | 3-5 | hdsst c q | | | | | |
| | | 38-100 | c | o g | ab | 3-5 | hdsst c q | | | | | |
| 27 (TP1) | PGR | 0-29 | scl | o | f | 1-2 | sh | <40 | 40 | IV | 3b | Grazed - sheep. Flat |
| | | 29-40 | mcl | o g | c | 1-2 | sh | | | | | |
| | | 40-80 | c | o g | ab | 1-2 | hdsst | | | | | |
| 28 | PGR | 0-26 | scl | o | r | 1-2 | hdsst c hdslst | <40 | 42 | IV | 3b | Track to east along field boundary |
| | | 26-42 | hcl | o g | m | 3-5 | hdsst c q | | | | | |
| | | 42-100 | c | o g mn | ab | 3-5 | hdsst c | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|----------|---------|-----|--------|------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 29 | PGR | 0-24 | mcl | o | m | 1-2 | hdsst c | <40 | 38 | IV | 3b | Gleyed topsoil Locally wet in lee of river |
| | | 24-38 | mcl/hcl | o g | m | 3-5 | hdsst q | | | | | |
| | | 38-100 | hcl | o g | ab | 3-5 | hdsst q | | | | | |
| 30 | PGR | 0-40 | scl | | | 3-5 | hdsst grvl | < 70 | No SPL | I | 2 | Flat - gently undulating |
| | | 40-80 | fscl/fsl | o g | c | 5-10 | hdsst grvl | | | | | |
| 31 | NA | 0-40 | ofsl | | | 15-20 | hdsst grvl | | | | NA | Green lane. River terrace. Impenetrable > 40 |
| | | 40+ | Impen | | | | | | | | | |
| 32 | WW | 0-29 | mcl | o | r | 1-2 | hdsst | <40 | 38 | IV | 3b/4 | 4-7 ° - microclimate shading from trees. Moss on surface |
| | | 29-40 | scl | o g | c | 1-2 | hdsst | | | | | |
| | | 40-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 33 | PGR | 0-27 | scl | | | 1-2 | hdsst | <70 | No SPL | II/III | 3a | Tightly grazed. 1-3 ° - close to A1. Very compact >60. Very pale/white at depth - Disturbed? |
| | | 27-40 | scl | o | f | 3-5 | hdsst | | | | | |
| | | 40-60 | scl | o g mn | c | 5-10 | hdsst | | | | | |
| | | 60-100 | scl | o g | c | 5-10 | hdsst ssst | | | | | |
| 34 | PGR | 0-28 | mcl | | | 1-2 | hdsst | <40 | 40 | IV | 3b | Tightly grazed. 1-3 ° undulating |
| | | 28-40 | hcl | o | c | 3-5 | hdsst | | | | | |
| | | 40-75 | hcl | o g | ab | 3-5 | ssst c | | | | | |
| | | 75-100 | c | o g mn | ab | 3-5 | ssst c | | | | | |
| 35 | PGR | 0-20 | sl o fsl | | | 1-2 | grvl | <70 | No SPL | II | 3a/2 | Tightly grazed. 1-3 ° gentle undulation. Small gravels in profile |
| | | 20-55 | fsl/scl | | | 3-5 | grvl | | | | | |
| | | 55-100 | scl | o g | c | 1-2 | grvl | | | | | |
| 36 (TP2) | WW | 0-25 | scl | | | 3-5 | grvl | <70 | No SPL | I/II | 2 | Gravelly at depth |
| | | 25-45 | scl | | | 3-5 | grvl | | | | | |
| | | 45-60 | msl | o | c | 3-5 | grvl | | | | | |
| | | 60-100 | msl | o | c | 5-10 | grvl | | | | | |
| 37 | PGR | 0-40 | ofsl | | | 3-5 | grvl | >70 | No SPL | II | 2 | Horse and cattle. Fine/small grvl in profile |
| | | 40-100 | fsl | o | f | 1-2 | grvl | | | | | |
| 38 | PGR | 0-25 | scl | | | 3-5 | ssst c | <40 | 50 | IV | 3b/4 | Slightly improved upper subsoil drainage. Edge of non ag |
| | | 25-50 | scl | o mn | c | 3-5 | ssst c | | | | | |
| | | 50-100 | hcl | o mn g | ab | 5-10 | ssst c | | | | | |
| 39 | WW | 0-28 | mcl | o | f | 1-2 | hdsst q | <40 | 35 | IV | 3b | 1-3 ° edge of headland |
| | | 28-100 | hcl/c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 40 | WW | 0-24 | mcl | | | 1-2 | hdsst ssst | <40 | 35 | IV | 3b | Rare sandy concretions in subsoil |
| | | 27-60 | c | g o | ab | 3-5 | hdsst ssst | | | | | |
| | | 60-100 | c | g o mn | ab | 3-5 | hdsst ssst | | | | | |
| 41 | WW | 0-26 | mcl | o | r | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ° |
| | | 26-35 | hcl | o g | c | 1-2 | hdsst ssst | | | | | |
| | | 35-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|---------|-------|--------|------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 42 | PGR | 0-25 | scl | o | c | 1-2 | hdsst grvl | <40 | 38 | IV | 3b | |
| | | 25-38 | hcl | o mn | m | 1-2 | hdsst grvl | | | | | |
| | | 38-100 | c | o g mn | ab | 1-2 | hdsst grvl | | | | | |
| 43 | PGR | 0-25 | scl | o | c | 3-5 | hdsst | <40 | 40 | IV | 3b/4 | Disturbed adjacent to hedge. Infill/occs, grey OB at depth |
| | | 25-40 | mcl | o g | mixed | 3-5 | ssst | | | | | |
| | | 40-60 | hcl | o | mixed | 5-10 | sh | | | | | |
| | | 60-100 | hzcl | g | mixed | 5-10 | sh | | | | | |
| 44 | PGR | 0-28 | scl | o | f | 1-2 | hdsst c | <40 | 40 | IV | 3b | Grazed - sheep. Heavier to south of field |
| | | 28-40 | hcl | o mn | m | 3-5 | hdsst c | | | | | |
| | | 40-100 | hcl/c | o g mn | ab | 3-5 | hdsst c | | | | | |
| 45 | WW | 0-28 | mcl | o | r | 1-2 | hdsst | <40 | 35 | IV | 3b | 4-7 ° |
| | | 28-35 | hcl | o g | c | 1-2 | hdsst | | | | | |
| | | 35-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 46 | WW | 0-28 | mcl | o | r | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ° |
| | | 28-100 | c | o g | ab | 1-2 | ssst | | | | | |
| 47 | WW | 0-24 | scl | | | 1-2 | hdsst grvl | <40 | 50 | IV | 3b | Coarser drift on upslope scl + msl pockets in subsoil |
| | | 24-40 | scl | o | m | 3-5 | hdsst grvl | | | | | |
| | | 40-70 | hcl + scl | g o | ab | 3-5 | hdsst grvl | | | | | |
| | | 70-100 | hcl | g o | ab | 3-5 | grvl hdsst | | | | | |
| 48 | WW | 0-28 | mcl | | | 1-2 | hdsst | <40 | 40 | IV | 3b | 1-3 °. A2 horizon Locally scl in subsoil due to lenses of weathering sst |
| | | 28-40 | mcl | o | r | 1-2 | hdsst | | | | | |
| | | 40-70 | hcl | o g | ab | 3-5 | hdsst ssst | | | | | |
| | | 70-100 | c | o g | ab | 3-5 | hdsst | | | | | |
| 49 | PGR | 0-28 | scl | o | f | 1-2 | ssst | <40 | 45 | IV | 3b | Grazed |
| | | 28-45 | hcl | o mn | | 1-2 | hdsst sh | | | | | |
| | | 45-100 | hcl | o mn g | ab | 1-2 | hdsst sh | | | | | |
| 50 | WW | 0-27 | mcl | | | 1-2 | hdsst q | <40 | 45 | IV | 3b | |
| | | 27-45 | scl + hcl | o mn | ab | 3-5 | hdsst q | | | | | |
| | | 45-100 | c | g o mn | ab | 3-5 | hdsst q | | | | | |
| 51 | PGR | 0-27 | scl | o | c | 1-2 | hdsst sh | <40 | 40 | IV | 3b | Grazed |
| | | 27-35 | mcl | o mn | c/m | 1-2 | hdsst sh | | | | | |
| | | 35-50 | hcl | o g mn | m | 1-2 | hdsst sh | | | | | |
| | | 50-100 | hcl | g o | ab | 1-2 | hdsst sh | | | | | |
| 52 | WW | 0-27 | mcl | | | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ° top of gradient Headland close to A1 Mixed subsoils - disturbed |
| | | 27-35 | hcl | o g | c | 3-5 | hdsst | | | | | |
| | | 35-100 | hcl | o g | ab | 5-10 | hdsst ssst | | | | | |
| 53 | PGR | 0-24 | mcl | | | 1-2 | hdsst | <40 | 45 | IV | 3b | Grazed - sheep. 4-7 ° Subsoil is increasingly stony v dry and mod compact |
| | | 24-80 | mcl/scl | o g, mn | ab | 3-5 | hdsst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|---------|-----|--------|--------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 54 | WOSR | 0-25 | mcl | | | 1-2 | hdsst c | <70 | 75 | II | 3a | Stonier drift on upslope with improved drainage. |
| | | 25-45 | mcl | o | c | 3-5 | hdsst grvl | | | | | |
| | | 45-75 | msl | o g | c/m | 3-5 | hdsst grvl | | | | | |
| | | 75-100 | scl | o g | ab | 5-10 | grvl hdsst | | | | | |
| 55 | WW | 0-29 | mcl | | | 1-2 | hdsst q | <40 | 40 | IV | 3b | 1-3 ° - headland next to A1 gritty hdsst > 70 |
| | | 29-70 | hcl | o g | ab | 5-10 | ssst hdsst | | | | | |
| 56 | PGR | 0-28 | mcl | | | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 ° gently undulating. Increasingly stony at depth |
| | | 28-100 | hcl/c | o g | ab | 3-5 | ssst | | | | | |
| 57 | WOSR | 0-22 | mcl/hcl | | | 0-1 | hdsst c | <40 | 35 | IV | 3b/4 | Slight offset into field 6m Note shallow topsoil. Heavy to north Grey clay >60 |
| | | 22-60 | c | g o | ab | 0-1 | hdsst c | | | | | |
| | | 60-100 | hcl/c | g | ab | 5-10 | hdsst c | | | | | |
| 58 | WOSR | 0-24 | mcl | | | 1-2 | hdsst c q | <35 | 40 | IV | 3b | |
| | | 24-35 | hcl | o mn | m | 1-2 | hdsst c | | | | | |
| | | 35-100 | c | o g mn | ab | 1-2 | hdsst c | | | | | |
| 59 | WW | 0-32 | mcl | | | 1-2 | hdsst c | <40 | 47 | IV | 3b | Boring offset due to gateway - disturbed in access with imported stone |
| | | 32-47 | scl | o mn | ab | 3-5 | hdsst c | | | | | |
| | | 47-100 | c | g o | ab | 3-5 | hdsst c | | | | | |
| 60 | WOSR | 0-27 | mcl | | | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-2 ° |
| | | 27-100 | c | o g | ab | 5-10 | ssst | | | | | |
| 61 | WOSR | 0-24 | mcl | | | 1-2 | hdsst c q | <40 | 55 | III | 3a | Slightly improved upper subsoil drainage |
| | | 24-38 | mcl/hcl | o mn | c | 1-2 | hdsst grvl | | | | | |
| | | 38-55 | hcl | o g | m | 1-2 | hdsst grvl | | | | | |
| | | 55-100 | hcl | g o | m | 1-2 | hdsst grvl c | | | | | |
| 62 | WOSR | 0-26 | mcl | | | 1-2 | hdsst c | <40 | 38 | IV | 3b | |
| | | 26-38 | mcl | o mn | c | 1-2 | hdsst c | | | | | |
| | | 38-50 | hcl | o g mn | m | 1-2 | hdsst c | | | | | |
| | | 50-100 | c | o g mn | ab | 1-2 | hdsst c | | | | | |
| 63 | WOSR | 0-26 | mcl | | | 1-2 | hdsst c q | <40 | 38 | IV | 3b | |
| | | 26-38 | mcl/hcl | o mn | c | 1-2 | hdsst c | | | | | |
| | | 38-100 | c | o g mn | ab | 1-2 | hdsst c | | | | | |
| 64 | WOSR | 0-27 | mcl | | | 1-2 | hdsst c q | <40 | 65 | III | 3a | Improved drainage on upslope. Confirm extent of land take as may not be required |
| | | 27-40 | scl | o g | f/c | 1-2 | hdsst c | | | | | |
| | | 40-65 | mcl | o mn | c | 1-2 | hdsst | | | | | |
| | | 65-100 | hcl | o g mn | m | 1-2 | hdsst | | | | | |
| 65 | WW | 0-28 | mcl/hcl | | | 1-2 | hdsst c | <40 | 35 | IV | 3b/4 | Marginally heavy topsoil in lower area against road. Lighter within field. Likely 3b |
| | | 28-50 | c | o g mn | ab | 1-2 | hdsst c | | | | | |
| | | 50-100 | c | g o | ab | 1-2 | hdsst q | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-------------|---------|-----|--------|------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 66 | WW | 0-27 | hcl | o g | c | 1-2 | ssst | <70 | 80 | II/I | 3a | 1-3 ⁰ Mixed TS/SS sandy material boulder clay drift>80 |
| | | 27-80 | msh (mixed) | o | f | 1-2 | hdsst ssst | | | | | |
| | | 80-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 67 | NA | | | | | | | | | NA | | Corner adjacent A1 |
| 68 | WOSR | 0-29 | hcl | | | 1-2 | hdsst | <30 | 35 | IV | 4 | 1-2 ⁰ Very mixed SS. |
| | | 29-100 | c | o g | ab | 5-10 | ssst | | | | | |
| 69 | WOSR | 0-28 | hcl | | | 1-2 | ssst | <30 | 35 | IV | 4 | Sl gleyed topsoil. 1-2 ⁰ Very mixed SS |
| | | 28-100 | hcl/c | o g | ab | 5-10 | ssst c | | | | | |
| 70 | WOSR | 0-45 | mcl | mixed | | 1-2 | hdsst q | <40 | 60 | III | 3a | Headland - next to road Disturbed/increased TS depth. Sandy lenses in subsoil - SPL? |
| | | 45-100 | hcl | o g | ab | 5-10 | ssst hdsst | | | | | |
| 71 | WW | 0-28 | mcl | | | 1-2 | hdsst grvl | <40 | 35 | IV | 3b | |
| | | 28-50 | c | o g mn | ab | 1-2 | hdsst grvl | | | | | |
| | | 50-100 | c | g o | ab | 1-2 | hdsst grvl | | | | | |
| 72 | WW | 0-32 | mcl | | | 1-2 | hdsst q | <40 | No SPL | II | 3a | 1-3 ⁰ . Bands of c/hcl interspersed with lms in subsoil. |
| | | 32-60 | scl | o g | f/c | 3-5 | ssst | | | | | |
| | | 60-85 | lms + hcl | o g | c | 0-1 | hdsst | | | | | |
| | | 85-100 | hcl/c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 73 | WC | 0-35 | mcl | | | 1-2 | | <40 | <50 | IV | 3b | |
| | | 35-45 | scl | o | f | 1-2 | | | | | | |
| | | 45-85 | c | o | m | 1-2 | | | | | | |
| 74 | WC | 0-25 | mcl | | | 1-2 | | <40 | <50 | IV | 3b | |
| | | 25-35 | hcl | o | m | 1-2 | | | | | | |
| | | 35-72+ | hcl | o mn | c | 3-5 | ssst fr | | | | | |
| 75 | WOSR | 0-28 | hcl | o>20 | f | 1-2 | hdsst q | <40 | 35 | IV | 4 | V gently undulated |
| | | 28-100 | c | o g | ab | 1-2 | ssst | | | | | |
| 76 | | 0-27 | m/hcl | | | 1-2 | | <40 | <50 | IV | 3b/4 | |
| | | 27-40 | hcl | o | m | 1-2 | | | | | | |
| | | 40-72+ | zc/c | o mn | c | 3-5 | ssst fr | | | | | |
| 77 | WW | 0-24 | m/hcl | | | 1-2 | hdsst | <40 | 35 | IV | 3b/4 | Marginally heavy ts texture likely mcl |
| | | 24-50 | hcl | o g mn | ab | 3-5 | hdsst | | | | | |
| | | 50-100 | c | g o | ab | 3-5 | hdsst | | | | | |
| 78 | WW | 0-31 | mcl | | | 1-2 | hdsst q | <40 | 40 | IV | 3b | Sl gleyed TS. 1-3 ⁰ undulated |
| | | 31-60 | hcl | o g | ab | 3-5 | hdsst ssst | | | | | |
| | | 60-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 79 | WC | 0-26 | hcl | | | 1-2 | | <40 | <50 | IV | 4 | |
| | | 26-42 | hzcl | o | m | 1-2 | | | | | | |
| | | 42-85+ | zc/c | o mn | ab | 1-2 | ssst fr | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|----------|-----------|------|--------|------------|------------------|--------------|---------------|------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 80 | WC | 0-26 | hcl | | | 1-2 | | <40 | <50 | lv | 4 | Wet corner of field |
| | | 26-40 | hcl | o | m | 1-2 | | | | | | |
| | | 40-72+ | zc/c | o mn | m | 3-5 | sst fr | | | | | |
| 81 (TP3) | PGR | 0-15 | ohcl | | | 1-2 | | <40 | <36 | IV | 4 | |
| | | 15-36 | hcl | o | f | 1-2 | | | | | | |
| | | 36-65+ | hcl | o mn | m | 1-2 | | | | | | |
| 82 | NA | | | | | | | | | | NA | Woodland |
| 83 | PGR | 0-25 | sl o hcl | | | 1-2 | | <40 | <50 | IV | 4 | |
| | | 25-55 | hcl | o | f | 1-2 | | | | | | |
| | | 55-70 | hcl | o | ab | 1-2 | | | | | | |
| 84 | WC | 0-24 | mcl | | | 1-2 | | <40 | ~<50 | IV | 3b | |
| | | 24-38 | hcl | o | m | 1-2 | | | | | | |
| | | 38-720+ | hcl/c | o mn | m | 1-2 | | | | | | |
| 85 | PGR | 0-5 | pl | dk br | f | - | | <40 | 35 | IV | 4 | Fibrous peat adjacent concrete pad - disturbed at surface Original TS> 15. Poor micro-relief - R+F |
| | | 5-15 | b csl | | | | | | | | | |
| | | 15-30 | mcl | | | | | | | | | |
| | | 30-100 | c | o g | ab | 3-5 | hdsst q | | | | | |
| 86 | WW | 0-45 | hcl | gleyed>20 | | 1-2 | hdsst | <40 | 45 | IV | 3b/4 | <1 ⁰ near flat headland TS depth prob affected by A1 build |
| | | 45-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 87 | WC | 0-19 | mcl | | | 1-2 | | <40 | <35 | IV | 3b | |
| | | 19-85+ | hcl | o g | ab | 1-2 | | | | | | |
| 88 | WW | 0-28 | hcl | o | f>20 | 1-2 | hdsst | <40 | 35 | IV | 4 | <1 ⁰ near flat Headland adj A1 |
| | | 28-100 | c | o g | ab | 1-2 | ssst | | | | | |
| 89 | | 0-20 | mcl | | | 1-2 | | <40 | <50 | IV | 3b | |
| | | 20-44 | mcl | o | m | 1-2 | | | | | | |
| | | 44-80+ | o mn | hcl | m | 3-5 | ssst | | | | | |
| 90 | WW | 0-30 | hcl | | | 1-2 | hdsst | <40 | 35 | IV | 4 | <1 ⁰ near flat headland Increased TS depth prob due to A1 build |
| | | 30-100 | hcl/c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 91 | WC | 0-22 | hcl | | | 1-2 | | <40 | <38 | IV | 4 | |
| | | 22-38 | hcl/c | o | m | 1-2 | | | | | | |
| | | 38-55+ | hcl | o mn | m | 1-2 | sst fr | | | | | |
| 92 | WW | 0-26 | hcl | | | 1-2 | hdsst | <40 | 35 | IV | 4 | <1 ⁰ near flat headland |
| | | 26-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 93 | WOSR | 0-27 | mcl | | | 1-2 | ssst hdsst | <40 | 40 | IV | 3b | Bordering hcl TS |
| | | 27-40 | hcl | o mn | m | 3-5 | ssst hdsst | | | | | |
| | | 40-100 | c | g o mn | ab | 3-5 | ssst hdsst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|---------|-----------|-------|--------|------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 94 | WOSR | 0-27 | mcl | | | 1-2 | hdsst c | <40 | 40 | IV | 3b | Gley<40? Improved USS drainage |
| | | 27-40 | mcl/hcl | o mn | c | 3-5 | hdsst c | | | | | |
| | | 40-10 | hcl | g o mn | ab | 3-5 | hdsst c | | | | | |
| 95 | WOSR | 0-28 | mcl | | | 1-2 | hdsst c | <70 | 80 | I/II | 3a/2 | Improved USS drainage Sandier at depth |
| | | 28-50 | mcl | o mn | f | 3-5 | hdsst c | | | | | |
| | | 50-70 | mcl | o | c | 3-5 | hdsst c | | | | | |
| | | 70-100 | scl | g o | m | | | | | | | |
| 96 | WOSR | 0-26 | mcl/hcl | | | 1-2 | hdsst c p | <40 | 38 | IV | 3b/4 | Heavier in dip towards road |
| | | 26-38 | hcl | o | c | 1-2 | hdsst c | | | | | |
| | | 38-100 | c | g mn o | ab | 1-2 | hdsst ssst | | | | | |
| 97 | WW | 0-25 | mcl | | | 1-2 | hdsst ssst | <30 | 35 | IV | 3b | |
| | | 25-35 | hcl | o mn | c | 1-2 | hdsst ssst | | | | | |
| | | 35-1000 | c | g o mn | ab | 1-2 | hdsst ssst | | | | | |
| 98 | WW | 0-28 | mcl | | | 1-2 | hdsst c | <35 | 35 | IV | 3b | |
| | | 28-35 | hcl | o g | m | 0-1 | ssst c | | | | | |
| | | 35-60 | c | g o mn | ab | 0-1 | ssst c | | | | | |
| | | 60-100 | hcl | g o | ab | 3-5 | hdsst ssst | | | | | |
| 99 | WW | 0-29 | mcl | o (faint) | <20 f | 1-2 | hdsst | <35 | 35 | IV | 3b | Sandy lenses locally due to weathering sst |
| | | 29-50 | hcl | o g | ab | 5-10 | ssst | | | | | |
| | | 50-100 | c | o g | ab | 1-2 | ssst | | | | | |
| 100 | WW | 0-27 | hcl | o | f | 1-2 | ssst | <35 | 35 | IV | 4 | Flat Sandy lenses locally due to weathering |
| | | 27-100 | hcl | o g mn | c | 3-5 | ssst | | | | | |
| 101 | WW | 0-27 | mcl | | | 1-2 | hdsst sh | <40 | 40 | IV | 3b | Flat - v gently undulated |
| | | 27-40 | scl | o g | ab | 0-1 | hdsst sh | | | | | |
| | | 40-100 | hcl/c | o g mn | ab | 0-1 | hdsst sh | | | | | |
| 102 | WW | 0-31 | mcl | | | 1-2 | hdsst | <35 | 35 | IV | 3b | Flat - v gently undulated |
| | | 31-65 | hcl | o g | ab | 0-1 | hdsst | | | | | |
| | | 65-100 | c | o g | ab | 0-1 | hdsst | | | | | |
| 103 | WC | 0-25 | mcl | | | | | <40 | <50 | IV | 3b | |
| | | 25-45 | mcl | o | c | | | | | | | |
| | | 45-60+ | hcl/c | o | ab | 1-2 | sst fr | | | | | |
| 104 | WW | 0-27 | mcl | | | 1-2 | hdsst | <40 | 40 | IV | 3b | Flat - v gently undulated |
| | | 27-40 | hcl | o g | ab | 3-5 | ssst | | | | | |
| | | 40-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 105 | WW | 0-28 | mcl | | | 0-1 | hdsst | <40 | 40 | IV | 3b | Flat - v gently undulated |
| | | 28-60 | hcl | o g mn | c | 1-2 | hdsst ssst | | | | | |
| | | 60-100 | hcl | o g | ab | 3-5 | ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|-----------|-----------|---------|--------|----------------|------------------|--------------|---------------|------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 106 | WW | 0-31 | mcl | | | 1-2 | hdsst | <70 | 40 | IV | 3a | |
| | | 31-55 | mcl | o | mixed | 1-2 | hdsst | | | | | |
| | | 55-100 | hcl | o g | c | 3-5 | hdsst | | | | | |
| 107 | WW | 0-27 | mcl | | | 1-2 | hdsst t | <30 | 35 | IV | 3b | |
| | | 27-60 | c | o g | ab | 3-5 | hdsst c | | | | | |
| | | 60-100 | c | g o | ab | 3-5 | hdsst c | | | | | |
| 108 | ST | 0-29 | mcl | o >20cm | f | 1-2 | hdsst q | <30 | 35 | IV | 3b | 1-3 ^o adj road |
| | | 29-100 | hcl | o g | ab | 3-5 | hdsst zst | | | | | |
| 109 | | 0-28 | mcl | o | o | f | | <40 | <50 | iv | 3b | Impenetrable > 55 due to stones - likely hcl + scl to depth |
| | | 28-40 | mcl | o mn | m | | | | | | | |
| | | 40-58 | hcl + scl | o | m | 1-2 | ssst | | | | | |
| | | 58+ | impen | o | m | 3-5 | hdsst ssst fr | | | | | |
| 110 | WOSR | 0-30 | mcl | | | 0-1 | hdsst c | <40 | 45 | IV | 3b | Flat - v gently undulated |
| | | 30-45 | hcl | o g | c | 0-1 | hdsst c | | | | | |
| | | 45+ | c | o mn | ab | 3-5 | ssst | | | | | |
| 111 | WW | 0-29 | mcl | | | 1-2 | hdsst q | <30 | 35 | IV | 3b | 1-3 ^o |
| | | 29+ | c | o g mn | ab | 0-1 | hdsst q | | | | | |
| 112 | WW | 0-28 | mcl | | | 1-2 | ssst | >70 | No SPL | I/II | 2/3a | 4-7 ^o . Bands of lms and sand in subsoil. Pond at bottom of hill |
| | | 28-35 | hcl | o g | c | 0-1 | hdsst | | | | | |
| | | 35-100 | lms + ms | | | | | | | | | |
| 113 | WW | 0-28 | mcl | | | 1-2 | hdsst grvl | <70 | 50 | III | 3a | |
| | | 28-50 | mcl | o | f | 1-2 | hdsst c | | | | | |
| | | 50-100 | hcl | g o | ab | 3-5 | hdsst ssst | | | | | |
| 114 | | 0-20 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | Improved drainage at depth |
| | | 20-27 | hcl | o g | m | 1-2 | hdsst c q | | | | | |
| | | 27-70 | c | o g | ab | 1-2 | hdsst c q | | | | | |
| | | 70-100 | mzcl | o | c | 1-2 | hdsst c q | | | | | |
| 115 | WC | 0-27 | mcl | o | r | | | <40 | 65 | III | 3a | |
| | | 27-45 | mcl | o | c | 3-5 | ssst fr | | | | | |
| | | 45-65 | scl | o | m | 3-5 | ssst fr | | | | | |
| | | 65-801+ | hzcl | o | ab | | | | | | | |
| 116 | WOSR | 0-24 | mzcl | | | 1-2 | hdsst c | <30 | 35 | IV | 3b | |
| | | 24-50 | hcl | o g | ab | 1-2 | ssst c | | | | | |
| | | 50-100 | c | g o mn | ab | 1-2 | hdsst ssst | | | | | |
| 117 | ST | 0-30 | mcl | o | f >20cm | 1-2 | hdsst | <40 | 40 | IV | 3b | 1-3 ^o . Very stony subsoil |
| | | 30-100 | hcl + scl | o g mixed | m | 15-20 | hdsst ssst zst | | | | | |
| 118 | WC | 0-28 | mcl | o | f | 1-2 | | <40 | <50 | IV | 3b | |
| | | 28-45 | hcl | o | c | 1-2 | | | | | | |
| | | 45-60+ | hcl | o | ab | 1-2 | | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|----------|---------|------|--------|------------|------------------|--------------|---------------|--------------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 119 | WC | 0-28 | mcl | mn | f | | | <40 | <50 | IV | 3b | |
| | | 28-35 | mcl | o | f | | | | | | | |
| | | 35-54 | hcl/c | o mn | m | | | | | | | |
| | | 54-92+ | c | o | m | 3-5 | ssst | | | | | |
| 120 | WC | 0-28 | mcl | o | f | | | <40 | <50 | IV | 3b | |
| | | 28-35 | mcl | o | f | | | | | | | |
| | | 35-62 | mcl | o | m | | | | | | | |
| | | 62-80+ | hcl | o | m | | | | | | | |
| 121 | PGR | 0-15 | ohcl | o | c | 1-2 | | <20 | 35 | IV | 4 | |
| | | 15-28 | hzcl | o | m | 1-2 | | | | | | |
| | | 28-720+ | hcl | o mn | m | 3-5 | ssst fr | | | | | |
| 122 | RGR/NA | 0-15 | fszl | | | | | <40 | No SPL | II/I | 4/5 | Alluvial soil. Very poor microrelief. Disturbed upslope |
| | | 15-55 | scl | g | c | | | | | | | |
| | | 55-100 | fsl | o g | m | | | | | | | |
| 123 | RGR | 0-20 | mcl | o | c | 1-2 | | <70 | >50 | III | 3a | Disturbed by A1 |
| | | 20-70 | mcl | o | c | 1-2 | | | | | | |
| | | 70-85+ | msl | o | f | 1-2 | ssst fr | | | | | |
| 124 | PGR/RGR | 0-30 | sl o mcl | o | r | 1-2 | | <40 | <50 | IV | 3b | |
| | | 30-35 | mcl | o | c | 1-2 | | | | | | |
| | | 35-60+ | c | o mn | m | 3-5 | ssst fr | | | | | |
| 125 | RGR | 0-15 | pl | o | m | 1-2 | hdsst | <40 | 35 | IV | 4 | Disturbed by pond excavation - peaty to 1m+ Anaerobic at depth |
| | | 15-70 | omcl | o g | ab | | | | | | | |
| | | 70-100 | hcl | ol g o | ab | | | | | | | |
| 126 | RGR | 0-35 | scl | o | r | 0-1 | hdsst grvl | <40 | 35 | IV | 3b | Flat, alluvial floodplain ab mn mottles - soft and non compact. High GW |
| | | 35-80 | mzcl | o g | f | 1-2 | hdsst | | | | | |
| | | 80-100 | hcl | o g mn | ab | 1-2 | hdsst | | | | | |
| 127 | PGR/RGR | 0-25 | sl o mcl | o | r | 1-2 | | <40 | <50 | IV | 3b | |
| | | 25-34 | mcl | o | c | 1-2 | | | | | | |
| | | 34-60+ | c | o mn | | 3-5 | ssst fr | | | | | |
| 128 | RGR | 0-35 | scl | o | f | 0-1 | hdsst grvl | <40 | 35 | IV | 3b Non-ag | Flat, alluvial floodplain Bands of fsl + lfs increasingly sandy with depth. High GW |
| | | 35-55 | scl | o | f | 15-20 | hdsst grvl | | | | | |
| | | 55-100 | scl | o g | f | | | | | | | |
| 129 | RGR | 0-22 | mcl | o | f | 1-2 | hdsst | <40 | 40 | IV | 3b | 1-3 ° undulating |
| | | 22-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 130 | PGR | 0-27 | mcl | | | 1-2 | | <40 | <50 | IV | 3b | |
| | | 27-80+ | hcl | o | c | 3-5 | ssst fr | | | | | |
| 131 | NA | 0-25 | mcl | o | c>15 | 1-2 | hdsst | <40 | 40 | IV | 3b | Flat - undulating |
| | | 25-40 | hcl | o g | c | 3-5 | hdsst ssst | | | | | |
| | | 40-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|------------|-------------|-----|--------|----------------|------------------|--------------|---------------|------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 132 | PGR/RGR | 0-27 | mcl | | | 1-2 | hdsst q ssst | <40 | 35 | IV | 3b | Boring offset |
| | | 27-35 | hcl | g o mn | ab | 1-2 | hdsst q ssst | | | | | |
| | | 35-100 | c | g o mn | ab | 1-2 | hdsst q ssst | | | | | |
| 133 | RGR | 0-35 | mzcl | o | r | 0-1 | hdsst | >100 | No SPL | I | 2/3a | Unmanaged, flat, alluvial, floodplain. Lms > 70 GW > 70cm |
| | | 35-60 | scl | o g | r | 0-1 | hdsst | | | | | |
| | | 60-100 | msl | o g | c | 0-1 | hdsst | | | | | |
| 134 | PGR | 0-5 | ohcl | | | 1-2 | | <40 | >50 | III/IV | 3b/4 | |
| | | 5-35 | hcl | o | f | 1-2 | | | | | | |
| | | 35-70+ | hcl | o mn | ab | 1-2 | | | | | | |
| 135 | WW | 0-22 | mcl | | | 3-5 | hdsst q | <40 | 45 | IV | 3b | Very dry to 45cm 5% subsoil ploughed out |
| | | 22-45 | hcl | o mn | m | 5-10 | hdsst q ssst | | | | | |
| | | 45-100 | c | o g mn | ab | 3-5 | hdsst q ssst | | | | | |
| 136 | PGR | 0-24 | m/hcl | | | 1-2 | | <40 | 45 | IV | 3b/4 | |
| | | 24-45 | hcl | o | m | 1-2 | | | | | | |
| | | 45-65+ | zc | o mn | m | 3-5 | ssst fr | | | | | |
| 137 | WW | 0-35 | mzcl | o | r | 0-1 | hdsst q | <70 | 70 | II | 3a | Field margin, 1-3 ^o - near flat, river terrace/floodplain Alluvial upper layers with bands of scl |
| | | 35-70 | mzcl + scl | o | f/c | 1-2 | hdsst | | | | | |
| | | 70-100 | hcl | o g | ab | 1-2 | hdsst | | | | | |
| 138 | WC | 0-25 | hcl | mn | c | 1-2 | | <40 | 35 | IV | 4 | |
| | | 25-85+ | hcl | o mn | ab | 1-2 | | | | | | |
| 139 | WW | 0-24 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | 5% subsoil ploughed out Dry to 70cm |
| | | 24-50 | hcl | o mn | m | 3-5 | hdsst ssst c q | | | | | |
| | | 50-100 | c | o g mn | ab | 3-5 | hdsst q | | | | | |
| 140 (TP4) | WW | 0-22 | mcl | | | 1-2 | ssst t | <40 | 40 | IV | 3b | 5% subsoil ploughed into topsoil. Rare tile fragments in topsoil. V dry to depth |
| | | 22-40 | hcl | o mn | m | 3-5 | hdsst ssst | | | | | |
| | | 40-100 | hcl | o g mn | ab | 5-10 | hdsst ssst | | | | | |
| 141 | WOSR | 0-20 | mcl | mixed | | 1-2 | hdsst | <40 | 35 | IV | 3b | Direct drilled, 4-7 ^o - edge of grass margin - slope down to stream |
| | | 20-100 | hcl | o g | ab | 3-5 | hdsst ssst | | | | | |
| 142 (TP5) | WC | 0-23 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | |
| | | 23-34 | hcl | o mn | ab | 3-5 | ssst fr | | | | | |
| | | 34-55 | c | o | ab | 3-5 | ssst fr | | | | | |
| | | 55-80+ | hcl | o mn | ab | 1-2 | | | | | | |
| 143 | WC | 0-25 | hcl | o | f | 1-2 | | <40 | 35 | IV | 4 | |
| | | 25-53 | hcl | o mn | ab | 1-2 | | | | | | |
| | | 53-87+ | c | o mn | ab | 1-2 | | | | | | |
| 144 | WB | 0-27 | mcl | silt gleyed | >15 | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ^o |
| | | 27-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 145 | WB | 0-28 | mcl | silt gleyed | >20 | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ^o . Topsoil silt org with com large earthworms |
| | | 28-100 | hcl/c | o g mn | ab | 3-5 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|-------------|-----|--------|------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 146 | WOSR | 0-26 | mcl | | | 1-2 | hdsst q | <40 | 35 | IV | 3b | 1-3 ⁰ - thin crop min fall |
| | | 26-100 | hcl/c | o g | ab | 3-5 | ssst | | | | | |
| 147 | WC | 0-22 | m/hcl | | | 1-2 | | <40 | 35 | IV | 3b/4 | |
| | | 22-35 | hcl | o | ab | 1-2 | | | | | | |
| | | 35-55+ | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 148 | WB | 0-29 | mcl | silt gleyed | >20 | 1-2 | hdsst | <40 | 40 | IV | 3b | 1-3 ⁰ Very mixed, locally lighter subsoil due to weathering sst |
| | | 29-100 | hcl + scl | o g | ab | 15-20 | hdsst ssst | | | | | |
| 149 | WB | 0-28 | mcl | gleyed | >20 | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ⁰ . Larger cobbles in subsoil Very mixed with com sandy lenses + pockets |
| | | 28-100 | hcl | o | ab | 5-10 | hdsst ssst | | | | | |
| 150 | WOSR | 0-31 | mcl | silt gleyed | >20 | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ⁰ . Larger cobbles in subsoil Very mixed with com sandy lenses + pockets |
| | | 31-100 | c | o g | ab | 5-10 | hdsst ssst | | | | | |
| 151 | WC | 0-26 | mcl | o | f | 1-2 | | <40 | 37 | IV | 3b | |
| | | 26+-37 | mcl | o mn | m | 1-2 | | | | | | |
| | | 37-80+ | hcl | o mn | ab | 1-2 | | | | | | |
| 152 | WB | 0-28 | mcl | silt gleyed | >20 | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ⁰ - large concrete frags in TS. Weathered ssst - lighter textured at depth |
| | | 28-100 | hcl/c | o | ab | 3-5 | hdsst ssst | | | | | |
| 153 | WB | 0-25 | hcl | gleyed | >10 | 1-2 | hdsst | <40 | 35 | IV | 4 | 1-3 ⁰ . TS noticeably more cloddy SS as 126 |
| | | 25-100 | hcl/c | o g mn | ab | 5-10 | hdsst ssst | | | | | |
| 154 | WOSR | 0-27 | mcl | silt gleyed | >20 | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ⁰ evidence of GW o. Common plastics/synthetics in TS - compost |
| | | 27-100 | c | o g mn | ab | 1-2 | ssst | | | | | |
| 155 | WC | 0-27 | mzcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 27-33 | mcl | o | c | 1-2 | | | | | | |
| | | 33-70 | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 156 | WB | 0-28 | mcl | silt gleyed | >20 | 1-2 | hdsst | <40 | 40 | IV | 3b | 1-3. Increasingly stony at depth with common lenses of fscl |
| | | 28-100 | hcl + scl | o g | ab | 3-5 | hdsst ssst | | | | | |
| 157 | | 0-27 | mcl | o mn | f | 1-2 | | <40 | 35 | IV | 3b | |
| | | 27-73 | hcl | o | m | 1-2 | | | | | | |
| | | 73-80+ | hcl | o mn | m | 1-2 | | | | | | |
| 158 | WOSR | 0-25 | scl | | | 1-2 | hdsst | <40 | 35 | IV | 3b | |
| | | 25-35 | hcl | o g mn | ab | 3-5 | hdsst c | | | | | |
| | | 35-80 | c | g o | ab | 3-5 | hdsst c | | | | | |
| 159 | WW | 0-27 | scl | | | 1-2 | hdsst | <40 | 75 | III | 3a | 4-7 ⁰ High levels of soft weathered sst |
| | | 27-75 | scl | o | c | 3-5 | hdsst ssst | | | | | |
| | | 75-100 | hcl/c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 160 | WW | 0-27 | mcl | gleyed | >20 | 1-2 | hdsst | <40 | 35 | IV | 3b | 4-7 ⁰ Locally hcl/sc/scl due to soft weathered sst |
| | | 27-100 | hcl/c | o g | ab | 5-10 | ssst c q | | | | | |

| Auger boring /Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-------------------------------|----------|--------|-----------|------------|---------|--------|--------------|---------------------|--------------|---------------|------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 161 | WC | 0-33 | scl | | | 1-2 | | <40 | 65 | III | 3a | |
| | | 33-45 | scl | o | m | 1-2 | | | | | | |
| | | 45-65 | mcl | o | m | 1-2 | | | | | | |
| | | 65-80+ | zc | o mn | m | 3-5 | sst fr | | | | | |
| 162 | SAS | 0-22 | mcl | o | m | 1-2 | hdsst c q | <40 | 35 | IV | 3b | Game cover |
| | | 22-60 | hcl/c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | g o | ab | 1-2 | hdsst c q | | | | | |
| 163 | | 0-28 | mcl | | | 1-2 | | <40 | 50 | IV | 3b | |
| | | 28-50 | hcl | o | c | 1-2 | | | | | | |
| | | 50-80 | zc/c | o mn | m | 1-2 | | | | | | |
| | | 80-100 | zc/c | o mn | m | 3-5 | sst fr | | | | | |
| 164 | WW | 0-26 | mcl | slt gleyed | | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ^o top of small hill feature |
| | | 26-35 | hcl | o g | c | 3-5 | hdsst | | | | | |
| | | 35-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 165 | WW | 0-28 | mcl/mzcl | | | 3-5 | hdsst c q | <40 | 38 | IV | 3b | Lighter topsoil on upslope |
| | | 28-38 | hcl | o | c | 1-2 | hdsst c q | | | | | |
| | | 38-60 | c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 166 | WB | 0-28 | m/hcl | | | 1-2 | | <40 | 35 | IV | 3b/4 | |
| | | 28-85+ | c | o mn | ab | 3-5 | sst fr | | | | | |
| 167 | WW | 0-26 | mcl | o | f >20cm | 1-2 | hdsst | <40 | 35 | IV | 3b | 1-3 ^o |
| | | 26-100 | c | o g mn | ab | 3-5 | hdsst | | | | | |
| 168 | WW | 0-25 | mcl | | | 1-2 | hdsst c q | <40 | 37 | IV | 3b | FYM applied |
| | | 25-37 | hcl | g o | m | 1-2 | hdsst c q | | | | | |
| | | 37-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 169 | WOSR | 0-27 | mcl/scl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 27-68 | hcl + scl | o | m | 1-2 | | | | | | |
| | | 68-80+ | hcl | o mn | m | 3-5 | sst fr | | | | | |
| 170 | WW | 0-27 | mcl | gleyed | >20 | 1-2 | hdsst | <40 | 45 | IV | 3b | <1 ^o Very mixed thin bands or lenses of fsl + hcl/c in subsoil |
| | | 27-45 | scl/hcl | o g mn | ab | 1-2 | hdsst | | | | | |
| | | 45-100 | hcl + fsl | o g | ab | 1-2 | hdsst ssst | | | | | |
| 171 | WW | 0-20 | hcl/mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 4/3b | FYM applied SI heavier topsoil |
| | | 20-90 | c | o g mn | ab | 3-5 | hdsst ssst c | | | | | |
| 172 | WW | 0-20 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | FYM applied |
| | | 20-45 | hcl/c | o g mn | ab | 3-5 | hdsst c q | | | | | |
| | | 45-100 | c | g o mn | ab | 3-5 | hdsst c q | | | | | |
| 173 | WOSR | 0-25 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 25-36 | hcl | o | m | 1-2 | | | | | | |
| | | 36-55+ | zc | o mn | ab | 3-5 | sst fr | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|-------------|-------|--------|--------------|------------------|--------------|---------------|----------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 174 | WW | 0-32 | mcl | silt gleyed | >20 | 1-2 | hdsst | <40 | 70 | III | 3a | 1-3 ^o gentle undulating Sandy USS |
| | | 32-70 | fsl | o g | c | 0-1 | q grvl | | | | | |
| | | 70-100 | c | o g | ab | 1-2 | ssst | | | | | |
| 175 | WW | 0-19 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | FYM applied |
| | | 19-70 | c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 70-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 176 | WW | 0-20 | mcl/hcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b/4 | Slightly heavier topsoil |
| | | 20-65 | c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 65-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 177 | SAS | 0-22 | mcl/hcl | | | 1-2 | hdsst | <40 | 50 | IV | 3b/4 | Disturbed upper subsoil (stony). Poss affected by A1 |
| | | 22-50 | hcl | o g | mixed | 3-5 | hdsst ssst q | | | | | |
| | | 50-100 | c | g o | ab | 3-5 | hdsst ssst q | | | | | |
| 178 | WW | 0-28 | mcl | sev gleyed | >20 | 3-5 | hdsst | <40 | 35 | IV | 3b | Min till. 1-3 ^o USS - locally s due to weathered sst |
| | | 28-100 | c | o mn | ab | 3-5 | ssst | | | | | |
| 179 | WC | 0-27 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | |
| | | 27-50 | hcl | o | m | 1-2 | | | | | | |
| | | 50-70+ | zc | o | ab | 3-5 | ssst fr | | | | | |
| 180 | WW | 0-26 | mcl | o | c/m | 1-2 | hdsst c q | <40 | 35 | IV | 3b | FYM applied - gleyed topsoil |
| | | 26-45 | c | o g | ab | 1-2 | hdsst c q | | | | | |
| | | 45-100 | c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| 181 | WW | 0-23 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | FYM applied |
| | | 23-45 | hcl | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 45-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 182 | SAS | 0-18 | hcl | o | m | 0-1 | hdsst c q | <40 | 35 | IV | 4 | Wet area in field corner. Heavy topsoil. |
| | | 18-55 | c | g o mn | ab | 0-1 | hdsst c q | | | | | |
| | | 55-100 | c | g o mn | ab | 0-1 | hdsst c q | | | | | |
| 183 | NA | 0-22 | hcl | o | f | 1-2 | hdsst | <40 | 35 | IV | 4/Non-ag | Game cover. Mostly reed-vegetation. Suggests seasonally waterlogged |
| | | 22-100 | hcl/c | o g mn | ab | 3-5 | ssst | | | | | |
| 184 | WW | 0-27 | hcl | gleyed | | 1-2 | hdsst | <40 | 35 | IV | 4 | Min till. 1-3 ^o |
| | | 27-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 185 | | 0-25 | hcl | | | | | <40 | 35 | IV | 4 | |
| | | 25-65 | hcl | o mn | ab | | | | | | | |
| | | 65-80+ | hcl | o mn | ab | | | | | | | |
| 186 | WW | 0-26 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | Photos taken |
| | | 26-40 | c | o mn | ab | 1-2 | hdsst c q | | | | | |
| | | 40-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 187 | WW | 0-23 | mcl/hcl | o | f | 1-2 | hdsst c q | <40 | 35 | IV | 3b/4 | Slightly heavier topsoil FYM applied |
| | | 23-45 | c | o g | ab | 1-2 | hdsst c q | | | | | |
| | | 45-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments | |
|-----------------------------|----------|--------|-----------|-------------|-----|--------|-----------|------------------|--------------|---------------|-----|--|---|
| | | | | Col | Ab. | Ab. | Type | | | | | | |
| 188 | WW | 0-22 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | Drier at depth >60cm | |
| | | 22-50 | c | | o | ab | 1-2 | | | | | | hdsst c q |
| | | 50-100 | c | g o mn | | ab | 1-2 | | | | | | hdsst c q |
| 189 | WW | 0-22 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | | |
| | | 22-45 | c | o g mn | | ab | 1-2 | | | | | | hdsst c q |
| | | 45-100 | hcl | g o mn | | ab | 1-2 | | | | | | hdsst c q |
| 190 | NA | 0-18 | hcl | | o | c | 1-2 | hdsst | <40 | 35 | IV | 4 | Game cover. 1-3 ° |
| | | 18-100 | c | o g | | ab | 3-5 | ssst + b | | | | | |
| 191 | WW | 0-29 | hcl | gleyed | | | 3-5 | hdsst | <40 | 35 | IV | 4 | Min till. 1-3 ° Clay tile at 70 |
| | | 29-35 | hcl | o g | | c | 3-5 | hdsst | | | | | |
| | | 35-100 | c | o g | | ab | 3-5 | ssst | | | | | |
| 192 | | 0-24 | hcl | | | | 1-2 | | <40 | 43 | IV | 4 | |
| | | 24-43 | hcl | | o | ab | 1-2 | | | | | | |
| | | 43-65+ | hzcl | o mn | | ab | 3-5 | ssst fr | | | | | |
| 193 | WW | 0-25 | mcl | | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | |
| | | 25-33 | hcl (A2) | | o | c | 1-2 | hdsst c q | | | | | |
| | | 33-60 | c | g o | | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | g o mn | | ab | 1-2 | hdsst c q | | | | | |
| 194 | WW | 0-23 | mcl/hcl | | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | FYM applied Marginally heavy topsoil texture |
| | | 23-60 | c | o g mn | | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | o g mn | | ab | 1-2 | hdsst c q | | | | | |
| 195 | WW | 0-24 | mcl | | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | |
| | | 24-100 | c | g o mn | | ab | 3-5 | hdsst c q | | | | | |
| 196 | WW | 0-18 | mcl | | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | FYM applied |
| | | 18-60 | c | o g | | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | g o mn | | ab | 1-2 | hdsst c q | | | | | |
| 197 | NA | | | | | | | | | | NA | Non-Ag - existing motor cycle track. TS stripped | |
| 198 | WW | 0-25 | mcl | silt gleyed | | | 1-2 | hdsst | <40 | 35 | IV | 3b | Min till. 1-3 ° slope |
| | | 25-35 | hcl | o g mn | | c | 1-2 | hdsst | | | | | |
| | | 35-100 | c | o g | | ab | 1-2 | ssst | | | | | |
| 199 | WC | 0-24 | mcl | | | | 1-2 | | <40 | 45 | IV | 3b | |
| | | 24-45 | mcl + scl | | o | m | 1-2 | ssst fr | | | | | |
| | | 45-65+ | zc | o mn | | ab | 3-5 | ssst fr | | | | | |
| 200 | WW | 0-18 | mcl/hcl | | | | 1-2 | hdsst c | <40 | 35 | IV | 3b/4 | FYM applied Subsidence hollows to south of boring. Shallow topsoil |
| | | 18-60 | c | o g mn | | ab | 0-1 | hdsst c q | | | | | |
| | | 60-100 | c | g o mn | | ab | 0-1 | hdsst c | | | | | |
| 201 | WW | 0-20 | mcl | | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | |
| | | 20-60 | c | o g mn | | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | g o mn | | ab | 1-2 | hdsst c q | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|------------|-----|--------|------------|------------------|--------------|------------------|--|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 202 | WW | 0-21 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | FYM applied |
| | | 21-40 | c | o g | ab | 1-2 | hdsst c | | | | | |
| | | 40-100 | c | o g mn | ab | 1-2 | hdsst c | | | | | |
| 203 | WW | 0-19 | mcl | o | f | 0-1 | hdsst c q | <40 | 35 | IV | 3b | FYM applied |
| | | 19-50 | c | o g mn | ab | 0-1 | hdsst c q | | | | | |
| | | 50-100 | c | g o mn | ab | 0-1 | hdsst c q | | | | | |
| 204 | NA | | | | | | | | | NA | Non-Ag - existing motor cycle track. TS stripped | |
| 205 | WW | 0-26 | mcl | slt gleyed | | 3-5 | hdsst | <40 | 35 | IV | 3b | 4-7 ° almost hcl TS Locally sc due to soft sst |
| | | 26-100 | c | o g mn | ab | 5-10 | hdsst ssst | | | | | |
| 206 | WC | 0-20 | hcl | o mn | f | 1-2 | | <40 | 35 | IV | 4 | |
| | | 20-48 | hcl | o | ab | 1-2 | sst fr | | | | | |
| | | 48-80+ | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 207 | WW | 0-22 | hcl | | | 1-2 | hdsst q c | <40 | 35 | IV | 4 | |
| | | 22-60 | c | g o mn | ab | 1-2 | hdsst q c | | | | | |
| | | 60-100 | c | g o mn | ab | 1-2 | hdsst q c | | | | | |
| 208 | WW | 0-17 | hcl | | | 0-1 | hdsst c | <40 | 35 | IV | 4 | Note: Shallow topsoil. Localised infilling - subsistence hollows. |
| | | 17-55 | c | o g mn | ab | 0-1 | hdsst c | | | | | |
| | | 55-100 | c | o g | ab | 0-1 | hdsst c | | | | | |
| 209 | NA | | | | | | | | | Non-Ag/Disturbed | Non-Ag - existing motor cycle track TS stripped | |
| 210 | WW | 0-26 | mcl | o g | f | 3-5 | hdsst | <40 | 35 | IV | 4 | Old drift mine in field. 4-7 ° Headland, min till Significant SS mixing in TS |
| | | 26-100 | c | o g | ab | 5-10 | ssst | | | | | |
| 211 | WC | 0-24 | mcl | | | 1-2 | | <40 | 45 | IV | 3b | |
| | | 24-45 | mcl+scl | o | m | 1-2 | sst fr | | | | | |
| | | 45-65+ | hzcl/zc | o mn | m | 3-5 | sst fr | | | | | |
| 212 | WW | 0-20 | mcl/fsc | gleyed | | 1-2 | hdsst | <40 | 35 | IV | 3b/4 | Min till. 1-2 ° TS - sev gleyed |
| | | 20-100 | c | o g mn | ab | 1-2 | hdsst ssst | | | | | |
| 213 | WW | 0-18 | hcl | | | 0-1 | hdsst c | <40 | 35 | IV | 4 | FYM applied |
| | | 18-100 | c | o g | ab | 0-1 | hdsst c | | | | | |
| 214 | NA | | | | | | | | | NA | Non-Ag - Outside race track area so soils less disturbed | |
| 215 | WC | 0-27 | scl | | f | 1-2 | | <40 | 60 | III/II | 3a | Very dry and stony 65+ - impenetrable to auger. Valley bottom |
| | | 27-55 | scl | o | c | 1-2 | sst fr | | | | | |
| | | 55-65 | msl | o mn | m | 3-5 | sst fr | | | | | |
| | | 65+ | Impen | | | | | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|-------------|-----|--------|---------------|------------------|--------------|---------------|-----|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 216 | | 0-25 | mcl | | | 1-2 | | <40 | <50 | IV | 3b | Impenetrable > 50cm due to stone - likely heavy drift to depth |
| | | 25-50 | mcl + scl | o | c | 1-2 | sst fr | | | | | |
| | | 50+ | Impen | | | 5-10 | sst fr | | | | | |
| 217 | WC | 0-28 | mcl | o mn | f | 1-2 | | <40 | 35 | IV | 3b | |
| | | 28-45 | hcl | o mn | m | 1-2 | | | | | | |
| | | 45-80+ | hcl | o mn | ab | 1-2 | | | | | | |
| 218 | PGR | 0-25 | hcl | o | c | 1-2 | c hdsst | <25 | 35 | IV | 4 | |
| | | 25-100 | c | o g | ab | 1-2 | c hdsst ssst | | | | | |
| 219 | PGR | 0-25 | hcl | o | f | 1-2 | hdsst | <30 | 35 | IV | 4 | 1-3 ^o - gentle undulations |
| | | 25-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 220 | PGR | 0-23 | hcl | o | f | 1-2 | hdsst q | <30 | 35 | IV | 4 | 1-3 ^o gently undulating |
| | | 23-100 | c | o g | ab | 3-5 | hdsst q | | | | | |
| 221 | WW | 0-28 | mcl | | | 1-2 | hdsst q | <40 | 40 | IV | 3b | |
| | | 28-40 | hcl | o g mn | m | 1-2 | hdsst q | | | | | |
| | | 40-60 | hcl | g o mn | ab | 1-2 | hdsst q | | | | | |
| | | 60-100 | c | g o mn | ab | 1-2 | hdsst q | | | | | |
| 222 | WW | 0-24 | mcl | | | 1-2 | hdsst | <40 | 35 | IV | 3b | Slope 3-4 ^o E 5% subsoil in topsoil after ploughing |
| | | 24-35 | hcl | o mn | m | 1-2 | hdsst | | | | | |
| | | 35-100 | c | o g mn | ab | 1-2 | hdsst | | | | | |
| 223 | WW | 0-29 | mcl | silt gleyed | | 1-2 | hdsst | <40 | 40 | IV | 3b | Bottom of shallow valley - possibly alluvial. 5-10% subsoil in topsoil. 4-7 ^o slope |
| | | 29-40 | hcl/sc | o g | ab | 1-2 | hdsst | | | | | |
| | | 40-70 | scl | o g | c | 3-5 | hdsst ssst | | | | | |
| 224 | PGR | 0-20 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 20-55 | m/hcl | o mn | ab | 3-5 | sst fr | | | | | |
| | | 55-80+ | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 225 | PGR | 0-24 | hcl | | | 1-2 | hdsst ssst | <30 | 35 | IV | 4 | |
| | | 24-45 | c | o g | m | 3-5 | hdsst ssst | | | | | |
| | | 45-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 226 | PGR | 0-25 | hcl | o | f | 1-2 | hdsst ssst sh | <30 | 35 | IV | 4 | 1-3 ^o undulating shallow |
| | | 25-100 | c | o g | ab | 3-5 | ssst hdsst | | | | | |
| 227 | PGR | 0-30 | mcl | o | f | 1-2 | hdsst | <35 | 35 | IV | 3b | Field margin - microrelief Wheeling's - TS disturbed |
| | | 30-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 228 | NA | | | | | | | | | | NA | Farm track |
| 229 | WW | 0-25 | mcl | | | 1-2 | hdsst c q | <40 | 35 | IV | 3b | Rare glass and pottery in TS Slope 2-3 ^o SE |
| | | 25-35 | hcl | o mn | m | 1-2 | hdsst c q | | | | | |
| | | 35-70 | hcl | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 70-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--|-----------|-------------|------|--------|--------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 230 | WW | 0-18 | mcl/hcl | | | 1-2 | hdsst c p | <40 | 35 | IV | 3b/4 | Shallow TS 5-10 ° subsoil ploughed out |
| | | 18-30 | hcl | o g mn | c/m | 1-2 | hdsst c p | | | | | |
| | | 30-100 | c | g o mn | ab | 1-2 | hdsst c p | | | | | |
| 231 | WW | 0-29 | scl | silt gleyed | | 1-2 | hdsst | < 40 | 35 | IV | 3b | 1-3 ° USS very dry and compact - gritty. Lower subsoil gleyed but loose and moist |
| | | 29-45 | hcl | o g | c | 1-2 | hdsst | | | | | |
| | | 45-100 | scl | o g | ab | 1-2 | hdsst | | | | | |
| 232 | PGR | 0-25 | hcl | o | c | 1-2 | hdsst c slst | <30 | 35 | IV | 4 | Sandy lenses/alluvium>80cm |
| | | 25-40 | hcl | o g mn | ab | 3-5 | hdsst c slst | | | | | |
| | | 40-70 | hcl | o g mn | ab | 1-2 | hdsst slst | | | | | |
| | | 70-100 | hcl + msl | g o | ab | 1-2 | hdsst slst | | | | | |
| 233 (TP6) | PGR | 0-15 | hcl | | | 1-2 | | <40 | 60 | III | 3b | |
| | | 15-25 | hcl | o | m | 1-2 | | | | | | |
| | | 25-35 | mcl | o | m | 1-2 | sst fr | | | | | |
| | | 35-50 | hcl | o | ab | 1-2 | sst fr | | | | | |
| | | 50+ | hzcl | o | m | 1-2 | | | | | | |
| 234 | PGR | 0-25 | hcl | | | 1-2 | hdsst c slst | <35 | 35 | IV | 4 | |
| | | 25-35 | hcl | o g mn | ab | 3-5 | hdsst c slst | | | | | |
| | | 35-100 | c | g o mn | ab | 3-5 | hdsst c slst | | | | | |
| 235 | PGR | 0-32 | hcl | o | f | 1-2 | hdsst sh | <35 | 35 | IV | 4 | Grazed - cattle. Undulating 1-3 ° |
| | | 32-100 | c | o g | ab | 3-5 | ssst c sh | | | | | |
| 236 | NA | | | | | | | | | | NA | Woodland |
| 237 | PGR | 0-23 | mcl | o | c | 1-2 | hdsst grvl | <40 | 35 | IV | 3b | 1-2 ° E. Slight variable relief Boring offset 20 from non-ag |
| | | 23-35 | hcl | o g mn | m | 1-2 | hdsst grvl | | | | | |
| | | 35-100 | c | g o mn | ab | 1-2 | hdsst grvl | | | | | |
| 238 | WW | 0-25 | scl | o | c | 3-5 | grvl hdsst | <40 | No SPL | II | 3a | Boring offset 5m N Sand and gravel Likely SPL>80 |
| | | 25-40 | scl | o | c | 5-10 | grvl hdsst | | | | | |
| | | 40-70 | scl | o | c | 10-15 | grvl hdsst | | | | | |
| | | Impenetrable >70cm due to gravel | | | | | | | | | | |
| 239 | PGR | 0-26 | mcl | o | f>20 | 1-2 | hdsst | <35 | 35 | IV | 3b | Grazed - sheep. 1-3 ° Just above lower lying flood plain |
| | | 26-100 | hcl/c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 240 | PGR | 0-26 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 26-80+ | hcl | o mn | ab | 1-2 | | | | | | |
| 241 | PGR | 0-25 | mcl | o | f | 1-3 | hdsst grvl | <30 | 35 | IV | 3b | |
| | | 25-40 | hcl | o mn | m | 3-5 | hdsst grvl | | | | | |
| | | 40-100 | c | o g mn | ab | 5-10 | hdsst grvl | | | | | |
| 242 | PGR | 0-27 | hcl | o | f | 1-2 | ssst | <30 | 35 | IV | 4 | 1-3 ° undulating |
| | | 27-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|----------|---------|-----|--------|---------------|------------------|--------------|---------------|-----|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 243 | NA | 0-26 | mcl | o | f | 1-3 | hdsst grvl | <30 | 35 | IV | NA | Recent plantation |
| | | 26-40 | hcl | o mn | m | 3-5 | hdsst grvl | | | | | |
| | | 40-100 | c | o g mn | ab | 5-10 | hdsst grvl | | | | | |
| 244 | PGR | 0-26 | mcl | o | f | 1-2 | hdsst grvl | <40 | 35 | IV | 3b | 2-3 ° ENE |
| | | 29-40 | hcl | o mn | m | 3-5 | hdsst grvl | | | | | |
| | | 40-100 | c | o g mn | ab | 5-10 | hdsst grvl | | | | | |
| 245 | PGR | 0-25 | hcl | o | r | 1-2 | hdsst | <30 | 35 | IV | 4 | 4-7 ° |
| | | 25-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 246 | PGR | 0-12 | mcl | | | 1-2 | | <40 | 80 | III | 3a | Alluvial influence in valley |
| | | 12-35 | mcl | o mn | c | 1-2 | | | | | | |
| | | 35-53 | scl | o mn | m | 1-2 | | | | | | |
| | | 53-80+ | scl | o mn | m | 1-2 | | | | | | |
| 247 | PGR | 0-25 | hcl | o | c | 1-2 | hdsst c | <40 | 35 | IV | 4 | |
| | | 25-35 | mcl | o | f/c | 1-2 | hdsst c | | | | | |
| | | 35-100 | c | p mn | ab | 1-2 | hdsst c | | | | | |
| 248 | PGR | 0-29 | hcl | o | f | 1-2 | hdsst | <35 | 35 | IV | 4 | 1-3 ° gentle undulations |
| | | 29-100 | c | o g | ab | 3-5 | ssst hdsst sh | | | | | |
| 249 | PGR | 0-27 | mcl | o | f | 1-2 | hdsst grvl | <30 | 40 | IV | 3b | |
| | | 27-40 | hcl | o mn | c/m | 1-2 | hdsst grvl | | | | | |
| | | 40-100 | c | g o mn | ab | 1-2 | hdsst grvl | | | | | |
| 250 | PGR | 0-26 | hcl | o | r | 1-2 | hdsst | <35 | 40 | IV | 4 | Grazed - sheep. 1-3 ° SS very mixed - disturbed? |
| | | 26-45 | hcl | o g | c | 1-2 | hdsst | | | | | |
| | | 45-100 | c | o g mn | ab | 3-5 | hdsst | | | | | |
| 251 | CULT | 0-27 | scl | | | 3-5 | grv | <40 | >70 | III | 3a | Impenetrable to auger > 55cm due to very dry stony lower subsoil. Alluvial influence |
| | | 27-35 | scl | o | c | 3-5 | hdsst | | | | | |
| | | 35-45 | msl | o mn | c | 10-15 | grvl ssst fr | | | | | |
| | | 45-55 | lms | o | f | 10-15 | grvl ssst fr | | | | | |
| | | 55+ | Impen | | | | | | | | | |
| 252 | PGR | 0-30 | mcl | o | c | 1-2 | grvl hdsst | <25 | 65 | III | 3a | Alluvial influence in valley |
| | | 30-65 | mcl | o mn | m | 3-5 | grvl hdsst | | | | | |
| | | 65-100 | mcl | o g mn | ab | 3-5 | grvl hdsst | | | | | |
| 253 | PGR | 0-22 | mcl | | | 1-2 | hdsst grvl | <35 | 35 | IV | 3b | |
| | | 22-30 | mcl (A2) | o g | c | 1-2 | hdsst grvl | | | | | |
| | | 30-100 | c | g o mn | ab | 3-5 | hdsst grvl | | | | | |
| 254 | PGR | 0-28 | mcl | | | 1-2 | hdsst | <40 | 35 | IV | 3b | Grazed - sheep. 1-3 °. Hcl bands > 60 |
| | | 28-60 | hcl | o g | ab | 3-5 | hdsst ssst | | | | | |
| | | 60-100 | scl | o g mn | ab | 5-10 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|--------------|--------|---------|---------|-----|--------|--------------|------------------|--------------|---------------|-----|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 255 | PGR | 0-23 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 23-35 | hcl | o | c | 1-2 | | | | | | |
| | | 35-50+ | hcl | o mn | m | 1-2 | | | | | | |
| 256 | Not surveyed | | | | | | No access | | | | | |
| 257 | NA | | | | | | No access | | | | NA | |
| 258 | PGR | 0-26 | omzcl | o | f | 1-2 | hdsst | <35 | 40 | IV | 3b | Grazed - sheep. 1-3 ^o . Sl organic topsoil Brought in to grade road |
| | | 26-40 | scl | o g mn | c | 1-2 | hdsst | | | | | |
| | | 40-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 259 | PGR | 0-27 | mcl | o | f | 1-2 | | <40 | 37 | IV | 3b | Rigg and furrow landform |
| | | 24-37 | mcl | o | m | 1-2 | sst fr | | | | | |
| | | 37-80+ | hzcl/c | o mn | c | 3-5 | sst fr | | | | | |
| 260 | No access | | | | | | | | | | | |
| 261 | PGR | 0-26 | omcl | | | 0-1 | hdsst | <35 | 35 | IV | 3b | Extensive grassland. 1-3 ^o Poor microrelief Possible relic r+f |
| | | 26-35 | hcl | o g | c | 1-2 | ssst | | | | | |
| | | 35-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 262 | WW | 0-20 | mcl | | | 1-2 | hdsst grvl | <30 | 35 | IV | 3b | Shallow TS 2-5% subsoil in topsoil |
| | | 20-30 | hcl | o mn | c/m | 1-2 | hdsst ssst | | | | | |
| | | 30-100 | c | g o mn | ab | 1-2 | hdsst ssst | | | | | |
| 263 | WW | 0-26 | mcl | | | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 ^o |
| | | 26-100 | hcl/c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 264 | WC | 0-18 | hcl | o | f | 1-2 | | <40 | 35 | IV | 4 | |
| | | 18-85+ | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 265 | WW | 0-23 | mcl | | | 1-2 | hdsst grvl | <30 | 35 | IV | 3b | 2-5% subsoil in topsoil |
| | | 23-30 | hcl | o g mn | m | 3-5 | hdsst grvl | | | | | |
| | | 30-100 | c | g o mn | ab | 3-5 | hdsst grvl | | | | | |
| 266 | WW | 0-27 | omzcl | | | 1-2 | hdsst q | <30 | 35 | IV | 3b | 1-3 ^o . Sl organic topsoil Field headland |
| | | 27-100 | c | o g mn | ab | 3-5 | ssst hdsst | | | | | |
| 267 | | 0-29 | hcl | | | 1-2 | | <40 | 37 | IV | 4 | |
| | | 29-37 | hcl | o | ab | 1-2 | | | | | | |
| | | 37-60+ | hcl/c | o mn | ab | 3-5 | sst fr | | | | | |
| 268 | WW | 0-24 | mcl | | | 1-2 | hdsst grvl p | <30 | 50 | IV | 3b | Sandy lenses in USS Rare pottery and tile in TS |
| | | 24-35 | hcl | o mn | m | 3-5 | hdsst grvl p | | | | | |
| | | 35-50 | mszl | o mn | ab | 3-5 | hdsst grvl p | | | | | |
| | | 50-10 | c | g o mn | ab | 3-5 | hdsst grvl p | | | | | |
| 269 | WC | 0-32 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 32-80+ | hcl | o mn | ab | 1-2 | | | | | | |
| 270 | WW | 0-26 | mzcl | | | 1-2 | hdsst | <30 | 35 | IV | 3b | <1 ^o - near flat |
| | | 26-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|------------|---------|-----|--------|--------------|------------------|--------------|---------------|-------------------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 271 | PGR | 0-23 | mcl | | | 1-2 | hdsst grvl p | <30 | 35 | IV | 3b | |
| | | 23-55 | c | o mn g | ab | 1-2 | hdsst grvl | | | | | |
| | | 55-100 | c | g o mn | ab | 3-5 | hdsst ssst | | | | | |
| 272 | PGR | 0-29 | omzcl | | | 1-2 | hdsst | <30 | 40 | IV | 3b | Recent reseed. 1-3 ^o - field headland. Sl organic topsoil |
| | | 29-50 | hcl | o g | ab | 3-5 | hdsst ssst | | | | | |
| | | 50-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 273 | WC | 0-32 | mcl | | | 1-2 | | <40 | 48 | IV | 3b | |
| | | 32-48 | mcl+scl | o | m | 1-2 | sst fr | | | | | |
| | | 48-65+ | hcl | o mn | m | 3-5 | sst fr | | | | | |
| 274 | PGR | 0-23 | mcl | | | 1-2 | grvl hdsst | <30 | 40 | IV | 3b | Slightly improved upper subsoil drainage |
| | | 23-80 | hcl | o mn | m | 3-5 | hdsst ssst | | | | | |
| | | 80-100 | hcl | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 275 (TP7) | WC | 0-24 | mcl | | | 1-2 | | <40 | 40 | IV | 3b | |
| | | 24-32 | mcl | o | c | 1-2 | | | | | | |
| | | 32-55 | m/hcl | o | m | 1-2 | sst fr | | | | | |
| | | 55-100 | hcl + lms | o mn | m | 3-5 | sst fr | | | | | |
| 276 | NA | | | | | | | | | NA | Recent plantation | |
| 277 | PGR | 0-26 | mcl | | | 1-2 | hdsst | <30 | 35 | IV | 3b | Recent reseed. 1-3 ^o |
| | | 26-100 | c | o g | ab | 5-10 | hdsst ssst | | | | | |
| 278 | WW | 0-25 | mcl | | | 1-2 | grvl hdsst | <40 | 70 | III | 3a | Sandy lenses in subsoil |
| | | 25-45 | hcl | o g mn | m | 3-5 | grvl hdsst | | | | | |
| | | 45-60 | msl | o | m | 3-5 | grvl hdsst | | | | | |
| | | 60-100 | scl | o g | m | 3-5 | grvl hdsst | | | | | |
| 279 | WOSR | 0-24 | mcl | | | 1-2 | | <40 | 40 | IV | 3b | |
| | | 24-60 | m/hcl | o mn | ab | 3-5 | sst fr | | | | | |
| | | 60-94+ | hcl | o | ab | 1-2 | | | | | | |
| 280 | WW | 0-19 | mcl | | | 1-2 | hdsst p | <40 | 45 | IV | 3b | Shallow topsoil Lenses of sand in USS |
| | | 19-45 | hcl + mszl | o g mn | ab | 1-2 | hdsst | | | | | |
| | | 45-100 | c | g o mn | ab | 3-5 | hdsst ssst | | | | | |
| 281 | WW | 0-27 | mcl | | | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 ^o FYM applied |
| | | 27-100 | c | o g mn | ab | 3-5 | ssst hdsst | | | | | |
| 282 | WOSR | 0-27 | mcl | | | 1-2 | | <30 | 35 | IV | 3b | |
| | | 27-80+ | hcl | o mn g | m | 1-2 | | | | | | |
| 283 | WW | 0-24 | mcl | | | 1-2 | hdsst p | <40 | 35 | IV | 3b | |
| | | 24-50 | hcl | o g mn | ab | 3-5 | hdsst | | | | | |
| | | 50-100 | hcl/c | g o mn | ab | 3-5 | hdsst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|----------|-----------|-----|--------|--------------|------------------|--------------|---------------|-----|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 284 | WW | 0-23 | mcl | | | 1-2 | hdsst grvl | <40 | 35 | IV | 3b | Sandy inclusions in SS Less heavy at depth |
| | | 23-40 | hcl | g o mn | ab | 3-5 | hdsst grvl | | | | | |
| | | 40-70 | hcl | o g | f/c | 3-5 | hdsst grvl | | | | | |
| | | 70-100 | hcl | o g | m | 3-5 | hdsst grvl | | | | | |
| 285 | WW | 0-28 | mcl | o | r | 1-2 | hdsst q grvl | <30 | 35 | IV | 3b | 1-3 ^o |
| | | 28-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 286 | WOSR | 0-23 | mcl | | | 1-2 | | <40 | 48/ | IV | 3b | |
| | | 23-48 | mcl+scl | o | m | 1-2 | ssst fr | | | | | |
| | | 48-65+ | hcl | o mn | m | 3-5 | ssst fr | | | | | |
| 287 | WW | 0-26 | mcl | | | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 ^o . Increasingly stony > 60 FYM applied |
| | | 26-100 | c | o g mn>60 | ab | 3-5 | ssst hdsst | | | | | |
| 288 | WW | 0-28 | mcl | o | r | 1-2 | hdsst q | <30 | 35 | IV | 3b | 1-3 ^o minimum till |
| | | 28-45 | hcl | o g | c | 3-5 | hdsst | | | | | |
| | | 45-100 | c | o g | ab | 5-10 | ssst c | | | | | |
| 289 | WOSR | 0-28 | mcl | | | 1-2 | | <40 | 50 | IV | 3b | |
| | | 28-36 | hcl | o mn | m | 1-2 | | | | | | |
| | | 36-50 | hcl | o mn | m | 1-2 | | | | | | |
| | | 50-850+ | hcl | o mn | ab | 1-2 | | | | | | |
| 290 | WW | 0-24 | mcl | | | 1-2 | hdsst c | <30 | 35 | IV | 3b | |
| | | 24-40 | hcl | g mn o | ab | 3-5 | hdsst c | | | | | |
| | | 40-100 | c | g o | ab | 3-5 | hdsst c | | | | | |
| 291 | WOSR | 0-30 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 30-65 | hcl | o mn | m | 3-5 | ssst fr | | | | | |
| 292 | PGR | 0-30 | mcl | | | 1-2 | | <40 | 47 | IV | 3b | |
| | | 30-47 | mcl | o | m | 1-2 | | | | | | |
| | | 47-65+ | hcl | o mn fe | m | 3-5 | ssst fr | | | | | |
| 293 | RGR | 0-20 | omzcl | o | c | 1-2 | hdsst | <40 | 35 | IV | 3b | Unmanaged. 1-3 ^o Boring offset due to access |
| | | 20-50 | mcl | o g | f | 1-2 | hdsst | | | | | |
| | | 50-100 | hcl | o g | ab | 1-2 | ssst hdsst | | | | | |
| 294 | Cult | 0-15 | mcl | | | 0-1 | hdsst grvl q | <25 | 48 | IV | 3b | Mixed TS and SS on headland to 20cm. Sandy lenses in SS |
| | | 15-48 | scl | o | ab | 1-2 | ssst hdsst | | | | | |
| | | 48-100 | hcl | o mn | ab | 1-2 | hdsst grvl | | | | | |
| 295 | Cult | 0-24 | mcl | | | 0-1 | hdsst slst | <30 | 35 | IV | 3b | Slightly lighter TS on hilltop |
| | | 24-40 | c | o g mn | ab | 1-2 | hdsst c | | | | | |
| | | 40-100 | c | g o | ab | 1-2 | hdsst c | | | | | |
| 296 | WC | 0-27 | mcl | | | 1-2 | | <40 | 40 | IV | 3b | |
| | | 27-40 | mcl | o | m | 1-2 | | | | | | |
| | | 40-70+ | hcl/hzcl | o mn fe | ab | 1-2 | | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|---------|-----|--------|--------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 297 | Cult | 0-26 | mcl | o | r | 1-2 | hdsst q | <40 | 40 | IV | 3b | 1-3 ⁰ undulating. Stonier at depth |
| | | 26-35 | hcl | o g | c | 3-5 | hdsst ssst | | | | | |
| | | 35-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 298 | PGR | 0-27 | mcl/hcl | | | 1-2 | hdsst c q | <30 | 35 | IV | 3b/4 | Cult. 3-4 ⁰ undulating W Gley clay - strongly gleyed |
| | | 27-60 | c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | g o | ab | | | | | | | |
| 299 | Cult | 0-24 | mcl | | | 1-2 | hdsst grvl | <25 | 35 | IV | 3b | |
| | | 24-35 | hcl | o g | ab | 3-5 | hdsst grvl | | | | | |
| | | 35-100 | c | o g mn | ab | 3-5 | hdsst grvl | | | | | |
| 300 | WC | 0-28 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 28-62 | hcl | o mn | m | 1-2 | | | | | | |
| | | 62-85- | hcl | o mn | ab | 3-5 | ssst fr | | | | | |
| 301 | Cult | 0-24 | mcl | o | r | 1-2 | hdsst | <25 | 35 | IV | 3b | 1-3 ⁰ |
| | | 24-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 302 | Cult | 0-28 | mcl | | | 1-2 | hdsst c slst | <30 | 50 | IV | 3b | Lighter TS Slightly stony SS Soft weathered sandstone |
| | | 28-50 | mcl/hcl | o mn g | ab | 3-5 | hdsst c slst | | | | | |
| | | 50-100 | c | g o mn | ab | 3-5 | hdsst c slst | | | | | |
| 303 | WC | 0-26 | mcl | | | 1-2 | | <40 | 62 | III | 3a | |
| | | 26-40 | mcl | o | f | 1-2 | | | | | | |
| | | 40-62 | mcl | o mn | c | 1-2 | | | | | | |
| | | 62-85+ | hcl | o mn | n | 3-5 | ssst fr | | | | | |
| 304 | Cult | 0-28 | mcl | o | r | 1-2 | hdsst | <40 | 55 | IV | 3b | 1-3 ⁰ undulating High ssst content locally scl texture |
| | | 28-40 | hcl | o g | f | 3-5 | hdsst | | | | | |
| | | 40-55 | hcl + scl | o g | c | 15-20 | hdsst ssst | | | | | |
| | | 55-100 | c | o g | ab | 1-2 | ssst sh | | | | | |
| 305 | Cult | 0-27 | hcl | o | r | 1-2 | hdsst | <30 | 35 | IV | 4 | 1-3 ⁰ headland. 5-10% subsoil in topsoil |
| | | 27-100 | c | o g | ab | 1-2 | ssst c | | | | | |
| 306 | PLO | 0-26 | mcl | | | 1-2 | hdsst q | <40 | 35 | IV | 3b | Sandy lenses in subsoil |
| | | 26-50 | c | g | ab | 3-5 | hdsst q | | | | | |
| | | 50-100 | c | o g mn | ab | 3-5 | hdsst q | | | | | |
| 307 | F | 0-26 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | |
| | | 26-56 | hcl | o mn | ab | 1-2 | | | | | | |
| | | 56-85+ | msl | o mn | ab | 12- | | | | | | |
| 308 | Cult | 0-22 | hcl | | | 1-2 | hdsst c q | <25 | 35 | IV | 4 | |
| | | 22-40 | c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 40-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 309 | Cult | 0-27 | mcl | o | r | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 ⁰ undulating. 5% subsoil in topsoil |
| | | 27-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|---------|-----|--------|--------------|------------------|--------------|---------------|------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 310 | PLO | 0-27 | hcl | | | 1-2 | hdsst q | <40 | 65 | III | 3b | |
| | | 27-40 | hcl | o g | m | 1-2 | hdsst q | | | | | |
| | | 40-65 | scl | g o | ab | 3-5 | hdsst q | | | | | |
| | | 65-100 | hcl | g o | ab | 3-5 | hdsst q | | | | | |
| 311 | F | 0-23 | hcl | | | 0-1 | | <40 | 35 | IV | 4 | |
| | | 23-35 | hcl | o | m | 0-1 | sst fr | | | | | |
| | | 35-65+ | zc/c | o mn | m | 0-1 | | | | | | |
| 312 | Cult | 0-20 | hcl | | | 1-2 | hdsst q | <25 | 40 | IV | 4 | |
| | | 20-45 | c | o g mn | ab | 1-2 | hdsst q | | | | | |
| | | 45-100 | c | g o mn | ab | 1-2 | hdsst q | | | | | |
| 313 | Cult | 0-27 | hcl | o | r | 1-2 | hdsst p g | <30 | 35 | IV | 3b/4 | 1-3 ^o . Glass pottery in topsoil and 5-10% subsoil ploughed out. |
| | | 27-45 | hcl | o g | ab | 1-2 | hdsst | | | | | |
| | | 45-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 314 | Cult | 0-22 | mcl | o | r | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 ^o . Headland close to hedge |
| | | 22-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 315 | PLO | 0-25 | mcl | | | 1-2 | hdsst slst q | <40 | 45 | IV | 3b | |
| | | 25-45 | hcl | mn | ab | 3-5 | hdsst q | | | | | |
| | | 45-100 | c | o g mn | ab | 3-5 | hdsst q | | | | | |
| 316 | PLO | 0-28 | mcl | | | 1-2 | hdsst slst q | <40 | 45 | IV | 3b | |
| | | 28-50 | hcl | mn | ab | 3-5 | hdsst q | | | | | |
| | | 50-100 | c | o g mn | ab | 3-5 | hdsst q | | | | | |
| 317 | F | 0-25 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | |
| | | 25-32 | hcl | o | c | 1-2 | | | | | | |
| | | 32-48 | hcl | o | m | 1-2 | sst fr | | | | | |
| | | 48-65+ | hzcl/zc | o mn | m | 3-5 | sst fr | | | | | |
| 318 | Cult | 0-24 | mcl/hcl | | | 1-2 | hdsst c t | <30 | 35 | IV | 4/3b | FYM applied TS sample taken |
| | | 24-100 | c | g o mn | ab | 1-2 | hdsst ssst | | | | | |
| 319 | Cult | 0-27 | hcl | | | 1-2 | hdsst c | <30 | 35 | IV | 4 | Compost applied |
| | | 27-100 | c | o g mn | ab | 1-2 | hdsst slst c | | | | | |
| 320 | Cult | 0-25 | mcl | | | 1-2 | hdsst c | <30 | 40 | IV | 3b | Less heavy TS Improved USS drainage |
| | | 25-37 | mcl | o | f | 1-2 | hdsst c | | | | | |
| | | 37-60 | hcl + scl | o g mn | m | 1-2 | hdsst c | | | | | |
| | | 60-100 | c | g o mn | ab | 1-2 | hdsst c | | | | | |
| 321 | Cult | 0-24 | mcl | | | 1-2 | hdsst c | <40 | 50 | IV | 3b | Sandy lenses in SS Compost applied |
| | | 24-35 | hcl | o | f | 1-2 | hdsst c | | | | | |
| | | 35-50 | hcl + msl | o g mn | ab | 3-5 | hdsst c | | | | | |
| | | 50-100 | c | o g mn | ab | 3-5 | hdsst c | | | | | |
| 322 | WW | 0-26 | mcl | | | 1-2 | hdsst c p | <40 | 35 | IV | 3b | Medium TS |
| | | 26-100 | hcl/c | o g mn | ab | 3-5 | hdsst c ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|--------------|------|--------|------------|------------------|--------------|---------------|------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 323 | WW | 0-24 | mcl/hcl | | | 1-2 | hdsst c p | <30 | 40 | IV | 3b/4 | |
| | | 24-60 | hcl | o mn | m | 3-5 | hdsst slst | | | | | |
| | | 60-100 | hcl | o g mn | ab | 3-5 | hdsst slst | | | | | |
| 324 | | 0-26 | mcl/hcl | | | 1-2 | hdsst q | <40 | 35 | IV | 3b/4 | Sandy lenses in SS |
| | | 26-50 | c | o g | ab | 3-5 | hdsst q | | | | | |
| | | 50-100 | hcl | g o | ab | 3-5 | hdsst q | | | | | |
| 325 | F | 0-20 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 20-80+ | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 326 | WW | 0-23 | mcl/hcl | | | 1-2 | hdsst c | <40 | 35 | IV | 3b/4 | Compost applied. Tile fragments and 5% subsoil in topsoil |
| | | 23-35 | hcl | o | f/c | 1-2 | hdsst c | | | | | |
| | | 35-100 | c | o g mn | ab | 1-2 | hdsst c | | | | | |
| 327 | WW | 0-27 | hcl | o | f>20 | 1-2 | hdsst | <30 | 35 | IV | 4 | 1-3 ^o . 5% Subsoil in topsoil |
| | | 27-100 | c | o g | ab | 3-5 | ssst hdsst | | | | | |
| 328 | WW | 0-26 | mcl/hcl | o | r | 1-2 | hdsst | <30 | 35 | IV | 4 | 1-3 ^o . Subsoil very dry + compact |
| | | 26-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 329 | WW | 0-29 | hcl | o | f | 1-2 | hdsst q | <30 | 35 | IV | 4 | New flat |
| | | 29-100 | c | o g | ab | 5-10 | hdsst ssst | | | | | |
| 330 | WW | 0-28 | hcl | | | 1-2 | hdsst c | <40 | 65 | III | 3b | 5-10% subsoil in topsoil |
| | | 28-65 | hcl | o mn | m | 5-10 | hdsst c | | | | | |
| | | 65-100 | hcl | o g mn | ab | 3-5 | hdsst c | | | | | |
| 331 | WW | 0-27 | hcl | | | 1-2 | hdsst q | <40 | No SPL | II | 3a | Likely 3a surrounded by 3b |
| | | 27-40 | scl | o g | c | 3-5 | hdsst | | | | | |
| | | 40-100 | scl | o | ab | 5-10 | ssst | | | | | |
| 332 | F | 0-23 | hcl | | | | | <40 | 37 | IV | 4 | Impenetrable > 55 due to stones |
| | | 23-37 | hcl | o | m | 1-2 | | | | | | |
| | | 37-55 | hcl | o mn | m | 1-2 | sst fr | | | | | |
| | | 55+ | Impen | | | 10-15? | sst fr | | | | | |
| 333 | F | 0-25 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | Impenetrable > 50 due to stones |
| | | 25-35 | hcl | o | m | 1-2 | | | | | | |
| | | 35-50 | scl | o | m | 1-2 | sst fr | | | | | |
| | | 50+ | Impen | | | 10-15? | sst fr | | | | | |
| 334 | WC | 0-27 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | |
| | | 27-80+ | hcl | o mn | ab | 1-2 | | | | | | |
| 335 | WC | 0-25 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | |
| | | 25-35 | hcl | o | c | 1-2 | | | | | | |
| | | 35-55+ | hcl | o mn | m | 1-2 | sst fr | | | | | |
| 336 | WW | 0-30 | hcl | o slt gleyed | f | 1-2 | hdsst q | <40 | 40 | IV | 4 | 1-3 ^o undulating 5-10% subsoil in topsoil |
| | | 30-40 | hcl | o g | c | 1-2 | hdsst q | | | | | |
| | | 40-100 | c | o g | ab | 1-2 | ssst hdsst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|---------|--------------|------|--------|---------------|------------------|--------------|---------------|-----|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 337 | WC | 0-28 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 28-85+ | hcl | o mn | ab | 1-2 | | | | | | |
| 338 | WW | 0-31 | hcl | o gleyed >20 | f | 1-2 | hdsst q | <40 | 40 | IV | 4 | 1-3 ⁰ . Incorporated compost Disturbed - undifferentiated |
| | | 31-100 | hcl | mixed | | 1-2 | hdsst q | | | | | |
| 339 | WC | 0-18 | hcl | | | 0-1 | | <40 | 37 | IV | 4 | |
| | | 18-37 | hcl | o | ab | 0-1 | | | | | | |
| | | 37-55+ | zc | o mn | m | 1-2 | sst fr | | | | | |
| 340 | WC | 0-15 | hcl | | | 0-1 | | <40 | 35 | iv | 4 | |
| | | 15-47 | hcl | o | ab | 0-2 | | | | | | |
| | | 47-750+ | zc | o mn | m | 1-2 | sst fr | | | | | |
| 341 | WW | 0-29 | hcl | o | f>20 | 1-2 | hdsst q | <40 | 35 | IV | 4 | 1-3 ⁰ |
| | | 29-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 342 | WW | 0-29 | mcl | | | 1-2 | hdsst c | <40 | 48 | IV | 3b | |
| | | 29-48 | hcl | o g | m | 3-5 | hdsst c | | | | | |
| | | 48-100 | c | g o mn | ab | 3-5 | hdsst c | | | | | |
| 343 | F | 0-25 | mcl | | | 1-2 | | <40 | 40 | IV | 3b | Impenetrable > 40 due to sandstones in profile but likely heavy drift to depth |
| | | 25-30 | mcl | o | c | 1-2 | | | | | | |
| | | 30-35 | mcl | o | m | 1-2 | | | | | | |
| | | 35-40 | hcl | o mn | m | 3-5 | sst fr | | | | | |
| | | 40+ | Impen | | | | | | | | | |
| 344 | WW | 0-28 | mcl | o | c>20 | 1-2 | hdsst sh | <40 | 40 | IV | 3b | 1-3 ⁰ . Sandy lenses due to localised very soft sst |
| | | 28-100 | hcl/c | o g | ab | 5-10 | ssst | | | | | |
| 345 | WC | 0-30 | mcl | | | 1-2 | | | | | | Impenetrable > 30cm due to sandstone. May be disturbed or very stony - map with 3b. |
| | | 30+ | Impen | | | 20+ | ssst | | | | | |
| 346 | WE | 0-25 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 25-30 | mcl | | | 1-2 | | | | | | |
| | | 30-65+ | hcl | o mn | ab | 1-2 | ssst fr | | | | | |
| 347 | WW | 0-24 | scl | o | f | 1-2 | hdsst sh | <35 | 35 | IV | 3b | <1 ⁰ near flat Increasingly stony with depth |
| | | 24-100 | hcl/c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 348 | WC | 0-24 | hcl | | | 1-2 | | <30 | 35 | IV | 4 | |
| | | 24-72 | hcl | o mn | ab | 1-2 | sst fr | | | | | |
| 349 | WW | 0-27 | mcl | o | r | 1-2 | hdsst | <35 | 35 | IV | 3b | <1 ⁰ near flat |
| | | 27-100 | c | o g | ab | 5-10 | hdsst ssst sh | | | | | |
| 350 | WW | 0-28 | mcl | o | r | 1-2 | hdsst | <40 | 40 | IV | 3b | <1 ⁰ near flat |
| | | 28-40 | hcl | o g | ab | 1-2 | hdsst ssst | | | | | |
| | | 40-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 351 | WW | 0-27 | mcl | o | r | 1-2 | hdsst | <40 | 45 | IV | 3b | <1 ⁰ near flat |
| | | 27-45 | hcl | o g | ab | 1-2 | hdsst | | | | | |
| | | 45-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|---------|-----------|--------|------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 352 | WW | 0-25 | hcl | o g | f | 1-2 | hdsst | <35 | 35 | IV | 4 | <1 ^o - headland adj road and gate. 5-10% subsoil in topsoil TS. Increasingly stony at depth |
| | | 25-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 353 | WW | 0-40 | mcl | | | | | <70 | 80 | II | 3a | 1-3 ^o - infilling at shallow valley Very dry, tree roots |
| | | 40-79 | mcl | o g | f | 1-2 | ssst | | | | | |
| | | 80-79 | hcl | o g | ab | 1-2 | ssst | | | | | |
| 354 | WW | 0-26 | scl | | | 0-1 | ssst | <40 | 60 | III | 3a | <1 - close to ditch. Stratified subsoil textures |
| | | 26-50 | mcl | o g | ab | 0-1 | grvl | | | | | |
| | | 50-100 | hcl + scl | o g | ab | 1-2 | ssst | | | | | |
| 355 | WW | 0-35 | mcl | o | c >20 | 1-2 | hdsst | <40 | 40 | IV | 3b | Near flat - corner of field Ditches with 5m on 2 sides |
| | | 35-100 | c | o g | ab | 3-5 | ssst | | | | | |
| 356 (TP8) | WE | 0-25 | c | | | 1-2 | | <40 | 36 | IV | 4 | |
| | | 25-36 | c | o | ab | 1-2 | | | | | | |
| | | 36-58 | c | o mn | ab | 1-2 | sst fr | | | | | |
| | | 58-80+ | hcl | o mn | m | 1-2 | sst fr | | | | | |
| 357 | WW | 0-26 | mcl | o mn | ab | 1-2 | hdsst | <35 | 35 | IV | 3b | <1 ^o - near flat |
| | | 26-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 358 | WW | 0-16 | mcl | o | f | 1-2 | hdsst | <35 | 35 | IV | 3b/4 | <1 ^o headland TS depth affected by field edge Boring offset 10m into field |
| | | 16-55 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| | | 55-100 | hcl | o g | ab | 3-5 | ssst c sh | | | | | |
| 359 | WW | 0-38 | mcl | o | f | 1-2 | hdsst | <43 | 43 | IV | 3b | Very close to road <1 ^o . Grass margin. Disturbed - adjacent road. Undisturbed LSS |
| | | 38-60 | hcl | mixed | disturbed | 3-5 | hdsst | | | | | |
| | | 60-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |
| 360 | WW | 0-25 | mcl | | | 1-2 | hdsst q | <40 | 60 | III | 3a | Improved drainage |
| | | 25-60 | mcl | o | c | 1-2 | hdsst q | | | | | |
| | | 60-100 | hcl | o g | m | 3-5 | hdsst q | | | | | |
| 361 | NA | | | | | | | | | | | |
| 362 | WW | 0-24 | mcl | | | 1-2 | hdsst grvl | <30 | 37 | IV | 3b | 2-5% subsoil ploughed out Coarse sand/gritty subsoil Moist to 37. |
| | | 24-37 | hcl | o mn | m | 5-10 | hdsst grvl | | | | | |
| | | 37-100 | c | g o mn | ab | 3-5 | hdsst grvl | | | | | |
| 363 | WC | 0-25 | hcl | | | 1-2 | | <40 | 35 | IV | 4 | |
| | | 25-73 | hcl | o mn | ab | 1-2 | | | | | | |
| | | 73-90 | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 364 | WC | 0-24 | mcl | o | | 1-2 | | <40 | 35 | IV | 3b | Broken/weathering sandstone 54+ |
| | | 24-85+ | hcl | o mn | f | 5-10 | sst fr | | | | | |
| 365 | WW | 0-30 | omzcl | | ab | 0-1 | hdsst | <40 | 65 | III | 3a | Very close to hedge (3m) |
| | | 30-45 | mcl | o | f | | | | | | | |
| | | 45-65 | lms | o | f | | | | | | | |
| | | 65-100 | c | o g | ab | 3-5 | hdsst ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|---------|-----|--------|------------|------------------|--------------|---------------|--------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 366 | NA | | | | | | | | | | | |
| 367 | WW | 0-26 | mcl | | | 1-2 | hdsst grvl | <30 | 40 | IV | 3b | 5% subsoil in topsoil after ploughing. Very dry at depth |
| | | 26-40 | hcl | o g mn | ab | 1-2 | hdsst grvl | | | | | |
| | | 40-100 | c | g o | ab | 1-2 | hdsst grvl | | | | | |
| 368 | WC | 0-25 | mcl | | | 1-2 | | <40 | <35 | IV | 3b | |
| | | 25-80+ | hcl | o mn | ab | 3-5 | sst fr | | | | | |
| 369 | WW | 0-26 | mcl | o | r | 1-2 | hdsst sh | <30 | 35 | IV | 3b | <1 ^o - near flat. Very close to hedge (3m). Locally very stony SS - with lenses of ssst + scl |
| | | 26-100 | hcl/c | o g | ab | 3-5 | ssst hdsst | | | | | |
| 370 | NA | | | | | | | | | | NA | |
| 371 | WW | 0-24 | mcl | | | 1-2 | hdsst q | <30 | 35 | IV | 3b | 5% Subsoil in topsoil |
| | | 24-50 | c | o g mn | ab | 1-2 | hdsst q | | | | | |
| | | 50-100 | c | g o | ab | 3-5 | hdsst grvl | | | | | |
| 372 | WC | 0-25 | mcl | | | | | <40 | <35 | IV | 3b | |
| | | 25-5+ | hcl | o mn | ab | | | | | | | |
| 373 | WW | 0-26 | mcl | o | r | 1-2 | hdsst ssst | <30 | 35 | IV | 3b | 1-3 ^o undulating |
| | | 26-100 | hcl/c | o g | ab | 3-5 | | | | | | |
| 374 | NA | 0-20 | mcl/hcl | | | 1-2 | hdsst q | <30 | 35 | IV | Non-ag | Woodland |
| | | 20-100 | c | o g | ab | 1-2 | hdsst q | | | | | |
| 375 | | 0-27 | mcl | | | | | <40 | <35 | IV | 3b | |
| | | 27-85+ | hcl | o mn | ab | | | | | | | |
| 376 | WW | 0-27 | hcl | o + ss | f | 1-2 | hdsst | <30 | 35 | IV | 4 | 4-7 ^o . 5-10% subsoil in topsoil |
| | | 27-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 377 | WW | 0-24 | mcl/hcl | | | 1-2 | hdsst c q | <30 | 35 | IV | 3b/4 | Impenetrable >60cm due to stones |
| | | 24-60 | c | o g mn | ab | 5-10 | hdsst c | | | | | |
| 378 | WC | 0-25 | mcl | | | 1-2 | | <40 | 35 | IV | 3b | |
| | | 25-32 | mcl | o | c | 1-2 | | | | | | |
| | | 32-40 | hcl | o mn | ab | 1-2 | sst fr | | | | | |
| | | 40-55+ | hcl | o mn | m | 5-10 | sst fr | | | | | |
| 379 | WW | 0-23 | hcl | | | 1-2 | hdsst p t | <25 | 35 | IV | 4 | |
| | | 263-50 | hcl/c | g o mn | ab | 1-2 | hdsst c | | | | | |
| | | 50-100 | c | g o | ab | 1-2 | hdsst c | | | | | |
| 380 | WW | 0-22 | hcl | | | 1-2 | hdsst c | <30 | 35 | IV | 4 | Heavy TS. 5% subsoil in topsoil Rare large cobbles in topsoil |
| | | 22-100 | c | o g mn | ab | 3-5 | hdsst c | | | | | |
| 381 | | 0-27 | mcl | | | | | <40 | <35 | IV | 3b | |
| | | 27-85+ | hcl | o mn | ab | | | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|---------|-----|--------|--------------|------------------|--------------|---------------|-------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 382 | WC | 0-23 | mcl | | | 1-2 | | <40 | 42 | IV | 3b | |
| | | 23-32 | mcl | o mn | c | 1-2 | | | | | | |
| | | 32-42 | hcl | o mn | ab | 1-2 | sst fr | | | | | |
| | | 42-55+ | hzcl | o mn | ab | 5-10 | sst fr | | | | | |
| 383 | WW | 0-26 | mcl/hcl | | | 1-2 | hdsst p q | <30 | 35 | IV | 3b/4 | Rare large cobbles in TS Compost/Nightsoil applied |
| | | 26-50 | c | g o mn | ab | 1-2 | hdsst q | | | | | |
| | | 50-100 | c | g o mn | ab | 3-5 | hdsst c | | | | | |
| 384 | WW | 0-25 | mcl/hcl | | | 1-2 | hdsst q p | <30 | 75 | III | 3a/3b | Slightly improved drainage Inclusions of msl in USS |
| | | 25-40 | hcl | g o mn | ab | 1-2 | hdsst ssst | | | | | |
| | | 40-60 | hcl + scl | o g | ab | 5-10 | hdsst ssst | | | | | |
| | | 60-100 | c | o g | ab | 3-5 | hdsst c | | | | | |
| 385 | NA | | | | | | | | | | NA | |
| 386 | WC | 0-34 | mcl | | | 1-2 | | <40 | 42 | IV | 3b | Valley bottom. Impenetrable to auger > 60cm |
| | | 35-50 | mcl/scl | o mn | ab | 1-2 | | | | | | |
| | | 50-60 | scl | o | ab | 1-2 | sst fr | | | | | |
| | | 60+ | Impen | | | | | | | | | |
| 387 | WW | 0-25 | hcl | | | 3-5 | hdsst p t | <30 | 35 | IV | 4 | Disturbed - possibly from A1 construction Compact and dry |
| | | 25-100 | c | g o | ab | 3-5 | hdsst c | | | | | |
| 388 | PGR | 0-20 | hcl | o g | c | 1-2 | hdsst | <30 | 35 | IV | 4 | Very close to woodland edge 4-7 ° - wet surface Soft rush infestation |
| | | 20-100 | c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 389 | PGR | 0-26 | hcl | o mn | f | 1-2 | | <30 | 35 | IV | 4 | Heavy rush infestation |
| | | 26-44 | hzcl | o mn | m | 1-2 | sst fr | | | | | |
| | | 44-52 | hcl | o | m | 1-2 | sst fr | | | | | |
| | | 52-85+ | hcl | o mn | m | 1-2 | sst fr | | | | | |
| 390 | PGR | 0-25 | hcl | o mn | f | 1-2 | | <30 | 35 | IV | 4 | Pockets of zc subsoil in topsoil. Mixed topsoil and subsoil to 47cm. |
| | | 25-47 | hcl | o mn | m | 1-2 | | | | | | |
| | | 47-65+ | c/hcl | o | ab | 1-2 | sst fr | | | | | |
| 391 | PGR | 0-20 | sl o mcl | o g | c | 1-2 | hdsst q | <30 | 35 | IV | 3b | 1-3 ° com soft rush |
| | | 20-100 | c | o g mn | ab | 1-2 | hdsst ssst | | | | | |
| 392 | PGR | 0-28 | sl o mcl | o g | c | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 °. Com sandy lenses in subsoil |
| | | 28-100 | hcl | o g mn | ab | 5-10 | hdsst ssst c | | | | | |
| 393 | PGR | 0-20 | mcl | | | | | <70 | 50 | III | 3a | |
| | | 20-50 | mcl | o | f | | | | | | | |
| | | 50-85+ | scl | o | m | 3-5 | sst fr | | | | | |
| 394 | PGR | 0-24 | sl o mcl | o g | f | 1-2 | hdsst | <30 | 35 | IV | 3b | 1-3 °. Rutting. C com soft rush Prob disturbed |
| | | 24-100 | c | o g mn | ab | 1-2 | ssst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|----------|-------|--------|--------------|------------------|--------------|---------------|--------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 395 | PGR | 0-20 | mcl | | | | | <40 | 45 | IV | 3b | |
| | | 20-45 | mcl | o | c | | | | | | | |
| | | 45-80+ | c | o mn | m | | | | | | | |
| 396 | WW | 0-28 | hcl | | | 1-2 | hdsst c p | <40 | 45 | IV | 4 | Strong o + mn mottling |
| | | 28-45 | mcl | o mn | c | 1-2 | hdsst c | | | | | |
| | | 45-100 | hcl | o mn | ab | 1-2 | hdsst c | | | | | |
| 397 | WW | 0-24 | hcl | gleyed | mixed | 1-2 | hdsst | <40 | 60 | III | 3b | 4-7 ⁰ >10% subsoil inclusions in topsoil. Possibly disturbed |
| | | 24-35 | hcl | o g | mixed | 1-2 | hdsst ssst | | | | | |
| | | 35-65 | scl | dk rb | | 1-2 | hdsst ssst | | | | | |
| | | 65-100 | c | o g | ab | 1-2 | hdsst ssst | | | | | |
| 398 | PGR | 0-14 | hcl | 5-10% SS | mixed | 1-2 | ssst | <30 | 35 | IV | 4 | 4-7 ⁰ - Disturbed TS possibly with ditch clearing arisings Boring offset by 10m in field TS soft + wet - poached |
| | | 14-35 | hcl | >50% SS | mixed | 3-5 | hdsst ssst | | | | | |
| | | 35-100 | hcl | o g | ab | 5-10 | hdsst ssst | | | | | |
| 399 | WW | 0-24 | hcl | | | 1-2 | hdsst c | <30 | 35 | IV | 4 | Compost applied |
| | | 24-60 | c | o mn g | ab | 1-2 | hdsst c | | | | | |
| | | 60-100 | c | g o | ab | 1-2 | hdsst c | | | | | |
| 400 | WW | 0-23 | hcl | | | 1-2 | hdsst c p | <30 | 35 | IV | 4 | Heavy TS 5% SS inclusions in topsoil |
| | | 23-30 | hcl | o g | c | 1-2 | hdsst c | | | | | |
| | | 30-100 | c | g o | ab | 1-2 | hdsst c | | | | | |
| 401 (TP9) | WW | 0-24 | mcl/hcl | | | 1-2 | hdsst c p | <40 | 35 | IV | 4 | Marginally heavy TS |
| | | 24-35 | hcl | o | m | 1-2 | hdsst c q | | | | | |
| | | 35-60 | c | o g mn | ab | 1-2 | hdsst c q | | | | | |
| | | 60-100 | c | g o mn | ab | 1-2 | hdsst c q | | | | | |
| 402 | NA | | | | | | | | | | Non Ag | |
| 403 | NA | | | | | | | | | | Non Ag | |
| 404 | WW | 0-26 | hcl | o | c | 1-2 | hdsst sh | <40 | 35 | IV | 4 | <1 ⁰ near flat - headland |
| | | 26-100 | c | o g mn | ab | 1-2 | hdsst ssst c | | | | | |
| 405 | WW | 0-26 | hcl | | | 1-2 | hdsst p c | <40 | 50 | IV | 4 | Sandy inclusions in USS |
| | | 26-50 | scl | o mn | m | 3-5 | hdsst c | | | | | |
| | | 50-100 | c | g o | ab | 3-5 | hdsst slst | | | | | |
| 406 | SAS | 0-22 | omcl | o | c | 1-2 | hdsst c | <30 | 35 | IV | 4 | Wet Locally disturbed |
| | | 22-55 | hcl | o g mn | m | 1-2 | hdsst c | | | | | |
| | | 55-100 | c | g o mn | ab | 1-2 | hdsst c | | | | | |
| 407 | NA | | | | | | | | | | Non Ag | |
| 408 | NA | | | | | | | | | | Non Ag | |
| 409 | NA | | | | | | | | | | Non Ag | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|-----------|--------------|-------|--------|--------------|------------------|--------------|---------------|-----------------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 410 | WW | 0-29 | hcl | o slt gleyed | f | 1-2 | hdsst | <40 | 35 | IV | 4 | 1-3 ⁰ Mixed layer 29-35 50/50 TS/SS |
| | | 29-35 | hcl | mixed | | 1-2 | zst | | | | | |
| | | 35-100 | c | o g mn | ab | 1-2 | hdsst ssst c | | | | | |
| 411 | WW | 0-24 | hcl | | | 1-2 | hdsst p c | <30 | 35 | IV | 4 | Heavy TS |
| | | 24-35 | hcl | g o | c | 3-5 | hdsst slst | | | | | |
| | | 35-60 | c | o g mn | ab | 3-5 | hdsst slst | | | | | |
| | | 60-100 | c | o g mn | ab | 3-5 | hdsst slst | | | | | |
| 412 | A | 0-35 | mcl | | | | | <40 | 35 | IV | 3b | |
| | | 35-55+ | hcl | o g mn | c | | | | | | | |
| 413 | NA | | | | | | | | | | Non-ag | SS margin |
| 414 | NA | | | | | | | | | | Non Ag | |
| 415 | WW | 0-32 | mcl | mn | c | | | <40 | 37 | IV | 3b | |
| | | 32-100 | hcl/c | o mn | c | 3-5 | sst fr | | | | | |
| 416 | A | 0-37 | mcl | | | | | <40 | 35 | IV | 3b | |
| | | 37-60+ | hcl | o g mn | c | | | | | | | |
| 417 | WW/NA | 0-27 | mcl | | | 1-2 | hdsst q c | <40 | 55 | III | 3a/NA | May be non-ag depending on width of land take |
| | | 27-55 | scl | g o | m | 3-5 | hdsst q c | | | | | |
| | | 55-100 | scl | g o mn | ab | 3-5 | hdsst q c | | | | | |
| 418 | NA | | | | | | | | | | | |
| 419 | NA | | | | | | 0 | | | | | |
| 420 | WW | 0-30 | mcl | | | 3-5 | hdsst c | <40 | 50 | IV | 3b | Locally disturbed Subsidence hollow? Mixed subsoil Very dry and compact >50 |
| | | 30-60 | scl | o g mn | mixed | 3-5 | hdsst c | | | | | |
| | | 60-100 | hcl + scl | o g | mixed | 3-5 | hdsst c | | | | | |
| 421 (TP10) | A | 0-35 | mcl/scl | | | 1-2 | | <40 | 38 | IV | 3b | Pockets of lms in subsoil. Anaerobic and compact 15-28cm |
| | | 35-40 | mcl/scl | o mn | c | 1-2 | | | | | | |
| | | 40+ | hcl | o | m | 3-5 | | | | | | |
| 422 | NA | | | | | | | | | | | |
| 423 | WW | 0-38 | mcl | | | 1-2 | sst fr | <40 | 38 | IV | 3b | 1-3 ⁰ TS unusually deep - possibly levelling infilling of subsidence |
| | | 38-60+ | hcl | o mn | f/c | 3-5 | sst fr | | | | | |
| 424 | WW | 0-38 | mcl | | | 1-2 | sst fr | <40 | 36 | IV | 3b | |
| | | 38-100 | hcl | o mn | m | 3-5 | sst fr | | | | | |
| 425 | WW | 0-36 | mcl | o | | | | <40 | 40 | IV | 3b | |
| | | 36-75+ | hcl | mn | c | 3-5 | sst fr | | | | | |
| 426 | NA | 0-25 | mcl | o | mixed | 5-10 | hdsst c | <40 | 40 | IV | 3b in field /NA | Grass margin. Footpath area Disturbed USS |
| | | 25-40 | mcl | g o | mixed | 5-10 | hdsst c | | | | | |
| | | 40-100 | hcl/c | g o mn | ab | 3-5 | hdsst c | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|-----------|---------|-----|--------|--------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 427 | NA | | | | | | | | | | | |
| 428 | NA | | | | | | | | | | | |
| 429 | WW | 0-26 | hcl/mcl | | | 1-2 | hdsst c | <30 | 35 | IV | 4/3b | |
| | | 26-50 | c | o g mn | ab | 3-5 | hdsst c | | | | | |
| | | 50-100 | c | g o mn | ab | 3-5 | hdsst c | | | | | |
| 430 | A | 0-32 | scl | | | | | <40 | 80 | III | 3a | |
| | | 32-40 | scl | o | c | | | | | | | |
| | | 40-80+ | scl | o mn | c | | | | | | | |
| 431 | PGR | 0-5 | scl | o | c | 1-2 | hdsst grvl | <40 | 55 | IV | 3b | Rigg & Furrow. Organic to 5cm. Poor microrelief |
| | | 5-26 | mcl | o g | c | 1-2 | hdsst grvl | | | | | |
| | | 26-55 | hcl/c | o g mn | ab | 3-5 | hdsst grvl | | | | | |
| | | 55-100 | hcl | o g mn | ab | 3-5 | hdsst grvl | | | | | |
| 432 | WW | 0-30 | mcl | o | r | 1-2 | hdsst | <35 | 35 | IV | 3b | 1-3 ^o |
| | | 30-100 | c | o g mn | ab | 1-2 | hdsst ssst | | | | | |
| 433 | A | 0-36 | scl | | | | | <40 | 65 | III | 3a | 1-3 ^o |
| | | 36-80+ | (h)scl | o | c | 1-2 | ssst fr | | | | | |
| 434 | WW | 0-26 | mzcl | o | r | 1-2 | hdsst sh | <35 | 35 | IV | 3b | 1-3 ^o Increasingly stony with depth |
| | | 26-100 | hcl/c | o g mn | ab | 3-5 | hdsst ssst | | | | | |
| 435 | PGR | 0-26 | scl | | | 1-2 | hdsst c | <30 | 35 | IV | 3b | |
| | | 26-45 | scl | o mn | m | 5-10 | hdsst c | | | | | |
| | | 45-100 | c | o mn | ab | 3-5 | hdsst c | | | | | |
| 436 | PGR | 0-25 | fsl | | | | | <40 | >68 | III | 3a | |
| | | 25-38 | fscl/fsl | o | m | | | | | | | |
| | | 38-68 | mcl | o mn | ab | | | | | | | |
| | | 68-80+ | hcl | o mn | c | | | | | | | |
| 437 | WW | 0-30 | omsl | | | 1-2 | hdsst q grvl | >70 | No SPL | I | 2 | 1-3 ^o headland |
| | | 30-65 | scl | o | f | 1-2 | hdsst q grvl | | | | | |
| | | 65-95 | lms | o g | f | 5-10 | grvl 55-65 | | | | | |
| | | 95-100 | c | o g | ab | 1-2 | ssst | | | | | |
| 438 | PGR | 0-45 | omsl | | | 0-1 | hdsst | >70 | No SPL | I | 2 | 1-3 ^o Disturbed Mixed lower layers, climate |
| | | 45-60 | scl | o g | c | 1-2 | hdsst | | | | | |
| | | 60-100 | scl + msl | mixed | c | 1-2 | hdsst | | | | | |
| 439 | PGR | 0-38 | msl | | | | | <40 | 78 | III/II | 3a | Below ridge |
| | | 38-65 | msl | o | f | | | | | | | |
| | | 65-78 | lms | o | c | | | | | | | |
| | | 78-100+ | hcl | o mn | c | | | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|---------|----------|---------|-------|--------|---------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 440 | ST | 0-30 | omsl | | | 1-2 | hdsst | >70 | No SPL | I | 2 | 4-7 ° Base of a hill |
| | | 30-55 | msl | o g | c | 1-2 | hdsst grvl | | | | | |
| | | 55-100 | lms | o g mn | c | | | | | | | |
| 441 | PGR | 0-24 | sl o scl | o | c | 1-2 | hdsst c | <40 | 45 | IV | 3b | |
| | | 24-45 | hcl | o g | ab | 1-2 | hdsst c | | | | | |
| | | 45-100 | hcl/c | g o mn | ab | 1-2 | hdsst c | | | | | |
| 442 | PGR | 0-24 | | | | 1-2 | hdsst c | <40 | 50 | IV | 3a | Possibly disturbed Mixed subsoil textures |
| | | 24-70 | mcl/hcl | o g | mixed | 3-5 | ssst c | | | | | |
| | | 70-100 | hcl | o g | mixed | 3-5 | ssst c | | | | | |
| 443 | PGR | 0-28 | scl | | | 1-2 | | >40 | 75 | II | 3a | |
| | | 28-52 | scl | o | f | 3-5 | sst fr | | | | | |
| | | 52-65 | msl | o | m | 3-5 | sst fr | | | | | |
| | | 65-82+ | scl | o mn | ab | 3-5 | sst fr | | | | | |
| 444 | PGR | 0-19 | omzcl | o | r | 1-2 | hdsst | <40 | 35 | IV | 4/3b | 4-7 ° R+F poor microrelief. Increasingly stony at depth |
| | | 19-40 | hcl | o g | c | 1-2 | hdsst c | | | | | |
| | | 40-100 | c | o g | ab | 5-10 | hdsst c sh | | | | | |
| 445 | PGR | 0-25 | scl | o | c | 1-2 | hdsst c | <35 | 35 | IV | 3b | Rigg & Furrow. Very dry and compact USS. Likely disturbed |
| | | 25-60 | hcl | o g mn | mixed | 3-5 | hdsst c q | | | | | |
| | | 60-100 | c | g o mn | ab | 3-5 | hdsst c q | | | | | |
| 446 | PGR | 0-20 | sl o mcl | | | | | <35 | 35 | IV | 3b | Rigg and furrow landform |
| | | 20-35 | mcl | o | c | | | | | | | |
| | | 35-60+ | c | o | m | | | | | | | |
| 447 | PGR | 0-33 | mcl | o | c | | | <40 | 35 | IV | 3b | |
| | | 33-60+ | hcl | o | m | | | | | | | |
| 448 (TP11) | PGR | 0-28 | scl | | | 1-2 | | <70 | 82 | 4 | 3b | |
| | | 28-35 | scl | o | f | 3-5 | sst fr | | | | | |
| | | 35-50 | scl | o | m | 3-5 | sst fr | | | | | |
| | | 50-80+ | hzcl | o mn | ab | 3-5 | sst fr | | | | | |
| 449 | PGR | 0-23 | scl | | | | | <40 | >100 | I | 3b | Disturbed, poor microrelief |
| | | 23-71 | msl | o | f | 1-2 | sst fr gritty | | | | | |
| | | 71-100+ | lms | o | c | | | | | | | |
| 450 | PGR | 0-20 | omzcl | o | f | 1-2 | hdsst | <35 | 35 | IV | 3b/4 | 1-3 ° R+F - locally microrelief Subsistence/quarrying/tipping |
| | | 20-35 | mcl | o g | c | 1-2 | hdsst | | | | | |
| | | 35-100 | c | o g | ab | 1-2 | hdsst ssst c | | | | | |
| 451 | PGR | 0-29 | scl | | | | | <40 | 36 | IV | 3b | |
| | | 29-51 | hcl | o | c | 5-10 | sst fr | | | | | |
| | | 51+ | Impen | | | 10-20 | hdsst | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|----------|--------|---------|------------|-----|--------|---------------|------------------|--------------|---------------|------|--|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 452 | PGR | 0-20 | omzcl | o | f | 1-2 | hdsst | <35 | 35 | IV | 3b/4 | 4-7 ° R+F and microrelief Localised disturbance |
| | | 20-45 | hcl | o g mn | ab | 1-2 | hdsst c | | | | | |
| | | 45-100 | c | o g | ab | 1-2 | ssst | | | | | |
| 453 | PGR | 0-24 | scl | o | r | 1-2 | hdsst grvl | <60 | >100 | I | 2 | Boring slightly offset due to cattle |
| | | 24-60 | msl | o | c | 1-2 | hdsst grvl | | | | | |
| | | 60-100 | lms | | | | | | | | | |
| 454 | PGR | 0-25 | mcl | | | | | <40 | 35 | IV | 3b | |
| | | 25-30 | mcl | o | c | | | | | | | |
| | | 30-58 | hcl/c | o | ab | | | | | | | |
| | | 58-70+ | c | o | m | | | | | | | |
| 455 | PGR | 0-32 | mcl | o | c | | | <40 | 35 | IV | 3b | |
| | | 32-60+ | hcl | o mn | m | | | | | | | |
| 456 | PGR | 0-25 | scl | | | | | <70 | 68 | III | 3a | |
| | | 25-39 | scl | | | | | | | | | |
| | | 39-68 | scl | o | c | 3-5 | sst fr | | | | | |
| | | 68-100 | scl | o | c | 3-5 | sst fr gritty | | | | | |
| 457 | PGR | 0-10 | mcl | mn | f | | | <40 | 35 | IV | 3b | |
| | | 10-24 | mcl | o | f | | | | | | | |
| | | 24-60_ | hcl | o mn | c | | | | | | | |
| 458 | PGR | 0-22 | omzcl | o | f | 1-2 | hdsst | <35 | 35 | IV | 3b | 1-3 ° R+F Better drained/structure 60-100 |
| | | 22-60 | hcl | o g | ab | 1-2 | hdsst | | | | | |
| | | 60-100 | mcl | o g | ab | 1-2 | hdsst | | | | | |
| 459 | WB | 0-28 | mcl | o | r | 3-5 | hdsst | <40 | 45 | IV | 3b | 1-3 ° headland |
| | | 28-45 | mcl/hcl | o g | c | 3-5 | hdsst | | | | | |
| | | 45-100 | hcl | o g | ab | 3-5 | ssst | | | | | |
| 460 | PGR | 0-28 | scl | | | | | <70 | >100 | I | 2 | |
| | | 28-35 | scl | o | f | | | | | | | |
| | | 35-58 | msl | | | | | | | | | |
| | | 58-70+ | lms | | | | | | | | | |
| 461 | PGR | 0-28 | hcl | slt gleyed | | 1-2 | hdsst | <35 | 35 | IV | 4 | Non ag/garden area |
| | | 28-60 | c | o g | ab | 0-1 | ssst | | | | | |
| | | 60-100 | c | o g | ab | | | | | | | |
| 462 | PGR | 0-37 | mcl | o | f | | | <40 | 37 | IV | 3b | |
| | | 37-60+ | hcl | o mn | c | | gritty | | | | | |

| Auger boring / Trial Pit No | Land Use | | Texture | Mottles | | Stones | | Depth to gleying | Depth to SPL | Wetness Class | ALC | Comments |
|-----------------------------|--------------|--------|------------|----------|-----|--------|-------------|------------------|--------------|---------------|------|---|
| | | | | Col | Ab. | Ab. | Type | | | | | |
| 477 | PGR | 0-26 | mcl | o | r | | | <40 | 47 | IV | 3b | |
| | | 26-47 | hcl | o | c | | | | | | | |
| | | 47-65+ | hcl/c | o | m | 3-5 | sst fr | | | | | |
| 478 | Not surveyed | | | | | | | | | | | No access |
| 479 | PGR | 0-25 | mcl | o gleyed | f | 1-2 | hdsst | <30 | 35 | IV | 3b | Grazed - cattle. 1-3 ^o Compact 0-10 - cattle poaching |
| | | 25-100 | c | o g mn | ab | 5-10 | hdsst ssst | | | | | |
| 480 (TP12) | PGR | 0-25 | mcl | o | r | | | <40 | 40 | IV | 3b | |
| | | 25-40 | mcl/scl | o | c | | | | | | | |
| | | 40-80+ | hcl | o mn | m | | | | | | | |
| 481 | Not surveyed | | | | | | | | | | | No access |
| 482 | Not surveyed | | | | | | | | | | | |
| 483 | Not surveyed | | | | | | | | | | | |
| 484 | Not surveyed | | | | | | | | | | | |
| 485 | Not surveyed | | | | | | | | | | | |
| 486 | Not surveyed | | | | | | | | | | | |
| 487 | PGR | 0-24 | m/hcl | o | m | 1-2 | hdsst c | <30 | 35 | IV | 3b/4 | Poss disturbed topsoil adj road - 3b in field |
| | | 24-60 | c | o g | ab | 3-5 | hdsst c | | | | | |
| | | 60-100 | c | g o | ab | 3-5 | hdsst c | | | | | |
| 488 | PGR | 0-30 | mcl | o | f | | | <40 | 75 | III | 3a | |
| | | 30-53 | mcl | o mn | f/c | | | | | | | |
| | | 53-70 | scl | o mn | c/f | 3-5 | sst fr | | | | | |
| | | 70-100 | hcl/c | o mn | m | | | | | | | |
| 489 | A | 0-23 | mcl | | | | | <40 | 35 | IV | 3b | |
| | | 23-36 | hcl | o mn | c/f | | gritty | | | | | |
| | | 36-75+ | scl (firm) | o mn | c | | v gritty | | | | | |
| 490 | Not surveyed | | | | | | | | | | | |
| 491 | Not surveyed | | | | | | | | | | | |
| 492 | Not surveyed | | | | | | | | | | | |
| 493 | A | 0-23 | mcl | | | | | | | | 3b | Map as 3b |
| | | 23-64 | lms | | | 1-2 | grvl gritty | | | | | |
| | | 64+ | lmpen | | | | | | | | | |
| 494 | NA | | | | | | | | | | | Roadside plantation |
| 495 | PGR | 0-27 | sl o mzcl | | | 1-2 | hdsst c | <40 | 35 | IV | 3b | Marginal non ag - domestic garden but cut/mown |
| | | 27-35 | mcl | o | f | 3-5 | hdsst c | | | | | |
| | | 35-100 | c | o g mn | ab | 3-5 | hdsst c | | | | | |

Appendix 5 - Description of ALC Grades and Subgrade

The ALC Grades and Subgrades are described below in terms of the types of limitation which can occur, typical cropping range and the expected level and consistency of yield. In practice, the grades are defined by reference to the land's physical characteristics, for which the cut-offs are described in Section 3 of the 1988 MAFF (now Defra) ALC guidelines. The most productive and flexible land falls into Grades 1, 2 and Subgrade 3a and collectively comprises about one-third of the agricultural land in England and Wales. About half the land is either of moderate quality (Subgrade 3b) or poor quality (Grade 4). Although less significant on a national scale, such land can be locally valuable to agriculture and the rural economy where poorer farmland predominates. The remainder is very poor-quality land in Grade 5, which mostly occurs in the uplands.

Descriptions are also given of other land categories which may be used on ALC maps.

Grade 1 - excellent quality agricultural land

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

Grade 2 - very good quality agricultural land

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

Grade 3 - good to moderate quality agricultural land

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

Subgrade 3a - good quality agricultural land

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

Subgrade 3b - moderate quality agricultural land

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

Grade 4 - poor quality agricultural land

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



Grade 5 - very poor-quality agriculture land

Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.

Client name: WSP UK Limited

ALC - A1 in Northumberland: Morpeth to Felton Scheme

wsp9001 (5) / 1010324 / ALC (Issue C)

Appendix 6 – Laboratory Analysis

(See following pages)

Client name: WSP UK Limited

ALC - A1 in Northumberland: Morpeth to Felton Scheme

wsp9001 (5) / 1010324 / ALC (Issue C)

**A1 Morpeth-Felton
Soil analysis results**



| ANALYTICAL REPORT | | | | | | | | | | |
|----------------------|--|------------------------|--------------------------|----------------------------|--|--|--|--|--|--|
| Report Number | 35150-18 | J143 | DAVID ROYLE | | | | | | | |
| Date Received | 23-NOV-2018 | | LDCL | | | | | | | |
| Date Reported | 27-NOV-2018 | | COWSLIP OFFICES | | | | | | | |
| Project | SOIL | | FIMBER | | | | | | | |
| Reference | A1 MORPETH FELTON | | DRIFFIELD | | | | | | | |
| Order Number | | | EAST YORKSHIRE YO25 9LY | | | | | | | |
| Laboratory Reference | | SOIL413692 | SOIL413693 | SOIL413694 | | | | | | |
| Sample Reference | | TOPSOIL PIT 2 0-320 | UPPER SS PIT2 320-550 | LOWER SS PIT 2 550-1000 | | | | | | |
| Determinand | Unit | SOIL | SOIL | SOIL | | | | | | |
| Textural Class | | Sandy Loam | Sandy Loam | Sandy Loam | | | | | | |
| Sand 2.00-0.063mm | % w/w | 72 | 78 | 76 | | | | | | |
| Silt 0.063-0.002mm | % w/w | 14 | 11 | 12 | | | | | | |
| Clay <0.002mm | % w/w | 14 | 11 | 12 | | | | | | |
| Stones >50mm | % w/w | 0.0 | 0.0 | 4.7 | | | | | | |
| Stones 20-50mm | % w/w | 2.3 | 8.3 | 30.0 | | | | | | |
| Stones 2-20mm | % w/w | 6.1 | 6.4 | 14.6 | | | | | | |
| Notes | | | | | | | | | | |
| Analysis Notes | The sample submitted was of adequate size to complete all analysis requested. The results as reported relate only to the item(s) submitted for testing. The results are presented on a dry matter basis unless otherwise stipulated. | | | | | | | | | |
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| Reported by | <p><i>Darren Whitbread</i> Natural Resource Management, a trading division of Cawood Scientific Ltd. Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS Tel: 01344 886338 Fax: 01344 890972 email: enquiries@nrm.uk.com</p> | | | | | | | | | |



ANALYTICAL REPORT

| | | | |
|----------------------|--------------------------|-------------|--------------------------------|
| Report Number | 35198-18 | J143 | DAVID ROYLE |
| Date Received | 23-NOV-2018 | | LDCL |
| Date Reported | 27-NOV-2018 | | COWSLIP OFFICES |
| Project | SOIL | | FIMBER |
| Reference | A1 MORPETH FELTON | | DRIFFIELD |
| Order Number | | | EAST YORKSHIRE YO25 9LY |

| Laboratory Reference | | SOIL413725 | SOIL413726 | | | | | | | |
|----------------------|-------|------------------|-------------------|--|--|--|--|--|--|--|
| Sample Reference | | PIT 9 260-500 | PIT 9 550-1000 | | | | | | | |
| Determinand | Unit | SOIL | SOIL | | | | | | | |
| Textural Class | | Clay | Clay | | | | | | | |
| Sand 2.00-0.063mm | % w/w | 16 | 15 | | | | | | | |
| Silt 0.063-0.002mm | % w/w | 41 | 41 | | | | | | | |
| Clay <0.002mm | % w/w | 43 | 44 | | | | | | | |

| | |
|------------------|--|
| Notes | |
| Analysis Notes | The sample submitted was of adequate size to complete all analysis requested. The results as reported relate only to the item(s) submitted for testing. The results are presented on a dry matter basis unless otherwise stipulated. |
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| Reported by | <p><i>Darren Whitbread</i> Natural Resource Management, a trading division of Cawood Scientific Ltd. Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS Tel: 01344 886338 Fax: 01344 890972 email: enquiries@nrm.uk.com</p> |
|-------------|--|



ANALYTICAL REPORT

| | | | |
|----------------------|--------------------------|-------------|--------------------------------|
| Report Number | 35199-18 | J143 | DAVID ROYLE |
| Date Received | 23-NOV-2018 | | LDCL |
| Date Reported | 27-NOV-2018 | | COWSLIP OFFICES |
| Project | SOIL | | FIMBER |
| Reference | A1 MORPETH FELTON | | DRIFFIELD |
| Order Number | | | EAST YORKSHIRE YO25 9LY |

| Laboratory Reference | SOIL413727 | SOIL413728 | SOIL413729 | SOIL413730 | SOIL413731 | SOIL413732 | SOIL413733 | | | |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| Sample Reference | AB 20-28 | AB 36 | AB 68-69 | AB 79-81 | AB 209-212 | AB 218-252 | AB 319-322 | | | |
| Determinand | Unit | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | | |
| Textural Class | | Clay Loam | Clay Loam | Clay Loam | Clay Loam | Clay | Clay Loam | Clay Loam | | |
| Sand 2.00-0.063mm | % w/w | 41 | 50 | 32 | 26 | 21 | 31 | 36 | | |
| Silt 0.063-0.002mm | % w/w | 30 | 26 | 39 | 41 | 38 | 34 | 34 | | |
| Clay <0.002mm | % w/w | 29 | 24 | 29 | 33 | 41 | 35 | 30 | | |

Notes

Analysis Notes The sample submitted was of adequate size to complete all analysis requested.
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ANALYTICAL REPORT

| | | | |
|----------------------|----------------------------|-------------|--------------------------|
| Report Number | 78994-17 | X922 | ROSEMARY PEEL |
| Date Received | 24-OCT-2017 | | RSK ADAS LTD |
| Date Reported | 31-OCT-2017 | | PARKFIELD COTTAGE |
| Project | PE/CMT6 SOIL 191017 | | POLLARDS LANE |
| Reference | A1 MORPETH | | SOUTHWELL |
| Order Number | | | NOTTS NG25 0TL |

| Laboratory Reference | | SOIL361409 | SOIL361410 | SOIL361411 | SOIL361412 | SOIL361413 | | | | |
|----------------------|-------|-------------|-------------|-------------|-------------|-------------|--|--|--|--|
| Sample Reference | | PIT 3 0-250 | PIT 4 0-250 | PIT 6 0-250 | PIT 7 0-250 | PIT 8 0-250 | | | | |
| Determinand | Unit | SOIL | SOIL | SOIL | SOIL | SOIL | | | | |
| Sand 2.00-0.063mm | % w/w | 43 | 43 | 39 | 49 | 32 | | | | |
| Silt 0.063-0.002mm | % w/w | 28 | 27 | 28 | 25 | 32 | | | | |
| Clay <0.002mm | % w/w | 29 | 30 | 33 | 26 | 36 | | | | |
| Organic Matter LOI | % w/w | 11.5 | 4.7 | 5.7 | 5.6 | 6.4 | | | | |
| Textural Class ** | | O-HCL | HCL | HCL | MCL | C | | | | |

Notes

Analysis Notes The sample submitted was of adequate size to complete all analysis requested.
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** Please see the attached document for the definition of textural classes.



ANALYTICAL REPORT

| | | | |
|----------------------|-----------------------------|-------------|--------------------------|
| Report Number | 80276-17 | X922 | ROSEMARY PEEL |
| Date Received | 02-NOV-2017 | | RSK ADAS LTD |
| Date Reported | 09-NOV-2017 | | PARKFIELD COTTAGE |
| Project | PE CMT 6 SOIL 251017 | | POLLARDS LANE |
| Reference | A1 MOPETH | | SOUTHWELL |
| Order Number | | | NOTTS NG25 0TL |

| Laboratory Reference | | SOIL362307 | SOIL362308 | SOIL362309 | | | | | | |
|----------------------|-------|--------------|--------------|--------------|--|--|--|--|--|--|
| Sample Reference | | PIT 10 0-250 | PIT 11 0-250 | PIT 12 0-250 | | | | | | |
| Determinand | Unit | SOIL | SOIL | SOIL | | | | | | |
| Sand 2.00-0.063mm | % w/w | 48 | 56 | 43 | | | | | | |
| Silt 0.063-0.002mm | % w/w | 26 | 24 | 28 | | | | | | |
| Clay <0.002mm | % w/w | 26 | 20 | 29 | | | | | | |
| Textural Class ** | | MCL | SCL | HCL | | | | | | |

Notes

Analysis Notes The sample submitted was of adequate size to complete all analysis requested.
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** Please see the attached document for the definition of textural classes.

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