Intermodal Logistics Park North Ltd

INTERMODAL LOGISTICS PARK NORTH (ILPN)

Intermodal Logistics Park North (ILPN) Strategic Rail Freight Interchange (SRFI)

Project reference TR510001

Preliminary Environmental Information Report (PEIR)

Appendix 15.5: Agricultural Land Classification and Soil Resources Report

October 2025

Planning Act 2008

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

This document forms a part of a Preliminary Environmental Information Report (PEIR) for the Intermodal Logistics Park North (ILPN) project.

A PEIR presents environmental information to assist consultees to form an informed view of the likely significant environmental effects of a proposed development and provide feedback.

This PEIR has been prepared by the project promoter, Intermodal Logistics Park North Ltd. The Proposed Development is described in Chapter 3 of the PEIR and is the subject of a public consultation.

Details of how to respond to the public consultation are provided at the end of Chapter 1 of the PEIR and on the project website:

https://www.tritaxbigbox.co.uk/our-spaces/intermodal-logistics-park-north/

This feedback will be taken into account by Intermodal Logistics Park North Ltd in the preparation of its application for a Development Consent Order for the project.

October 2025

Intermodal Logistics Park North Limited

Agricultural Land Classification and Soil Resources

Intermodal Logistics Park North Rail Freight Interchange at Land East of Newton-Le-Willows

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Contents

1. Introduction

1.1. Reading Agricultural Consultants Ltd (RAC) is instructed by Intermodal Logistics Park North Limited to investigate the Agricultural Land Classification (ALC) and soil resources of the proposed Intermodal Logistics Park North Rail Freight Interchange at land east of Newton-Le-Willows by means of a detailed survey of site and soil characteristics.

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

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

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

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

1.6. As explained in Natural England's TIN049, the whole of England and Wales was mapped from reconnaissance field surveys in the late 1960s and early 1970s, to provide general strategic

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

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

guidance on agricultural land quality for planners. This Provisional Series of maps was published on an Ordnance Survey base at a scale of One Inch to One Mile (1:63,360). The Provisional ALC map shows the site as undifferentiated Grade 3 or non-agricultural land. However, TIN049 explains that:

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

1.7. TIN049 goes on to explain that a definitive ALC grading should be obtained by undertaking a detailed survey according to the published guidelines, at an observation density of one boring per hectare. This survey follows the detailed methodology set out in the ALC guidelines. An area in the south-west of the site has previously been surveyed by ADAS on behalf of MAFF in 1994[3], and the results of that survey have been combined with the current survey.

[3] **ADAS (1994).** *Agricultural Land Classification, ALC Map and Data*. Available at: https://publications.naturalengland.org.uk/publication/5867999444598784

2. Site and climatic conditions

General features and landform

2.1. The surveyed area within the site order limits extends to approximately 174.6 hectares (ha) of land primarily in agricultural use. The majority of the surveyed area is bordered by the M6 to the south-west, Winwick Lane (A579) to the south-east and the Liverpool and Manchester Railway to the north. A small parcel of surveyed land is located to the north of the railway, east of Parkside Road.

2.2. Land to the east of Winwick Lane and north of the Manchester Railway has yet to be subject to a detailed survey.

2.3. Topography across the site is gently sloping and undulating. Land has an elevation of between 28 m and 39 m above Ordnance Datum (AOD).

Agro-climatic conditions

2.4. Agro-climatic data for the site have been interpolated from the Meteorological Office's standard 5 km grid point dataset at a representative altitude of 35 m AOD. The data are given in Table 1. The site has a relatively warm and wet climate. Crop moisture deficits are moderately small to moderate. The number of Field Capacity Days (FCD) is larger than is average for lowland England (150) and is unfavourable for providing opportunities for agricultural field work, although there is no overriding climatic limitation to agricultural land quality.

Table 1: Local agro-climatic conditions

Parameter	Value
Average Annual Rainfall	889 mm
Accumulated Temperatures >0°C	1,411 day°
Field Capacity Days	210 days
Average Moisture Deficit, wheat	84 mm
Average Moisture Deficit, potatoes	69 mm

Soil parent material and soil type

2.5. The bedrock geology mapped by the British Geological Survey[4] across most of the site is the Chester Formation. This formation predominantly comprises varied conglomerate and sandstone with some rare or subordinate mudstones. A small area in the west is underlain by the Kinnerton Sandstone Formation, comprising red-brown to yellow sandstone.

2.6. Superficial Till deposits are mapped across the south-west and north-east of the surveyed area, as well as a north-east orientated band through the centre. These deposits comprise unsorted material of varied size. Glaciofluvial ice contact deposits of sand and gravel are mapped in the very north-west and in the north-east, and peat deposits are mapped in a single field in the north-east. There are otherwise no superficial deposits mapped.

2.7. The Soil Survey of England and Wales soil association mapping[5] (1:250,000 scale) shows the Bridgnorth, Newport 1 and the Salop associations at the site.

2.8. Soils of the Bridgnorth association are mapped in the west and centre. Profiles are characterised by sandy and coarse loamy soils over soft sandstone and are typically well drained and assessed as Wetness Class (WC) I[6].

2.9. Soils of the Newport 1 association are mapped in the north. Profiles are characterised by deep sandy and coarse loamy soils and are typically well drained, assessed as WC I. Where drainage is poor, soils can remain seasonally waterlogged in WC III or IV.

2.10. Soils of the Salop association are mapped in the east and south. Profiles are characterised by reddish, fine loamy over clayey, fine loamy and clayey soils. Where undrained, most soils are waterlogged for long periods in winter and typically assessed as poorly drained in WC IV.

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[4] **British Geological Survey (2024).** *Geology of Britain viewer*, http://mapapps.bgs.ac.uk/geologyofbritain/home.html

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

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

3. Agricultural land quality

Soil survey methods

3.1. In total, 163 soil profiles have been examined within the site using an Edelman (Dutch) auger at an observation density of one per hectare in accordance with the established recommendations for ALC surveys[2]. Four observation pits have also been excavated to examine subsoil structures. An area in the south-west was surveyed by ADAS in 1994. The locations of all observations are shown on Figure RAC/10470/1. Land to the east of Winwick Lane and north of the railway line has yet to be subject to a detailed survey.

3.2. At each observation point the following characteristics were assessed for each soil horizon up to a maximum of 120 cm or any impenetrable layer:

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

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

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

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

Agricultural land classification and site limitations

3.6. Assessment of land quality has been carried out according to the revised ALC guidelines[1]. Soil profiles have been described according to Hodgson[7] which is the recognised source for describing soil profiles and characteristics according to the revised ALC guidelines.

3.7. There are three soil types present within the surveyed part of the site.

Soil Type 1

3.8. The first soil type comprises freely draining profiles with sandy textures. The topsoil comprises very dark grey (10YR3/1 in the Munsell soil colour charts[8]), very dark greyish brown (10YR3/2) or dark greyish brown (10YR4/2) sandy loam, loamy sand or sandy clay loam. Stone content is very slight to slight, at 2-7%. The topsoil has a fine subangular blocky to granular structure and a friable consistency.

3.9. The upper subsoil comprises loamy sand, sandy loam or sand, which is predominantly brown (10YR4/3, 7.5YR4/4, 7.5YR5/3) or reddish brown (5YR4/3, 5YR4/4, 5YR5/4). The upper subsoil has a medium granular structure and a friable consistency.

3.10. The lower subsoil comprises loamy medium sand or medium sand and is mostly reddish brown (5YR4/3 or 5YR4/4 or 5YR5/3), or brown (7.5YR4/4 or 7.5YR5/3) with some pale brown (10YR6/2). This horizon is stoneless to very slightly stony, up to 5%. The lower subsoil has a granular to single-grain structure and a friable consistency.

3.11. Soft sandstone is commonly recorded within the soil profile in central areas and has a reddish-brown colour.

3.12. Soils with these characteristics are freely draining in WC I. Where profiles have slight deficits in available water, they are restricted to Grade 2 by droughtiness, profiles with moderate deficits are restricted to Subgrade 3a. Profiles without an overriding limitation are assessed as Grade 1.

3.13. In the east of the surveyed area, where deep sandy soils are constrained by slowly permeable clayey soils of Soil Type 2, some permeable sandy profiles of Soil Type 1 contain ochreous mottling, an indication of prolonged periods of wetness. Profiles commonly have brown (10YR5/3) or greyish brown (10YR5/2) colours in the subsoil. These profiles are of WC II, and are

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

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

limited to Grade 2 by wetness where the topsoil is of sandy loam or Subgrade 3a, where the topsoil is of sandy clay loam.

Soil Type 2

3.14. The second soil type comprises profiles with a loam topsoil over a slowly permeable subsoil, commonly clay, at a shallow depth. The topsoil comprises very dark grey (10YR3/1), very dark greyish brown (10YR3/2) and dark greyish brown (10YR4/2) sandy clay loam or medium clay loam, with two recordings of heavy clay loam. Stone content is very slight, at 1-5%. The topsoil has a medium to fine subangular blocky structure and a friable consistency.

3.15. The upper subsoil comprises clay, with a smaller number of sandy clay loam, sandy clay and heavy clay loam textures and is predominantly brown (10YR4/3 or 7.5YR4/4, 7.5YR5/2, 7.5YR5/3, 10YR5/3) or reddish brown (5YR5/3, 5YR4/4). Stone content is stoneless to very slight, up to 5%. Where the upper subsoil is clay or sandy clay, it is slowly permeable and has a coarse prismatic structure and a firm consistency. Where sandy clay loam or heavy clay loam, the upper subsoil is permeable with a medium to coarse subangular blocky structure, which is friable to firm. Ochreous mottling is recorded throughout this horizon and indicates prolonged periods of wetness.

3.16. The lower subsoil comprises reddish brown (5YR5/3, 5YR4/4) or brown (7.5YR4/4) clay. Stone content is stoneless to very slight, up to 5%. Clay within the lower subsoil is slowly permeable and has a coarse prismatic to massive structure and a very firm consistency. The lower subsoil contains a mixture of ochreous and grey mottling, with ferri-manganiferous nodules also common.

3.17. Profiles within this soil type are poorly drained and assessed as WC IV. Profiles are restricted to Subgrade 3b by soil wetness. Soil wetness restricts suitable conditions for machinery to work the land throughout the year and increases the likelihood and occurrence of waterlogging within the soil profile, restricting crop growth. A few profiles have a heavy clay loam topsoil and are further restricted to Grade 4.

Soil Type 3

3.18. The third soil type includes observations on the transition from Soil Types 1 to 2. Within these profiles, the topsoil typically comprises sandy loam or sandy clay loam, which lies over an upper subsoil with a varied texture, mostly sandy loam, loamy sand or sandy clay loam. The lower subsoil comprises sandy clay loam, sandy clay or clay, with a few recordings of heavy clay loam or medium sandy loam. Observations are assessed as WC II or III depending on the presence of

and depth to a slowly permeable horizon. Observations of WC II, with a sandy loam topsoil, are restricted to Grade 2 by soil wetness. Observations of WC III are further restricted to Subgrade 3a. Where profiles are relatively shallow over a slowly permeable horizon, they are of WC IV and are limited to Subgrade 3b, similar to profiles characteristic of Soil Type 2.

ADAS survey

3.19. Land in the south-west of the site, surveyed by ADAS in 1994, matches the soil types described above.

3.20. Profiles in the east of this area match those described as Soil Type 1 and comprise freely draining coarse loamy and sandy soils. These profiles were restricted by ADAS to Grade 2 by droughtiness. However, reanalysis of the primary data shows no overriding limitation with regard to drought within all but one profile. These observations are classified as Grade 1 quality, with one classified as Grade 2.

3.21. Profiles in the west of this area fall within Soil Type 2 and are assessed as WC IV. These profiles comprise fine loamy soil over slowly permeable clay and are restricted to Subgrade 3b by wetness.

3.22. Between these two main soil types, soil profiles either comprise fine loamy soil with clay at a depth of 70 cm - 78 cm, or variable fine and coarse loamy soils over sandstone at depth. Profiles are assessed as WC III and are restricted to Subgrade 3a by soil wetness.

3.23. The ALC distribution across the surveyed area is shown in Figure RAC/10470/2, and the areas of each grade are given in Table 2.

Table 2: ALC areas

Grade	Description	Area (ha)	%
Grade 1	Excellent quality	29.2	17
Grade 2	Very good quality	48.9	28
Subgrade 3a	Good quality	33.6	19
Subgrade 3b	Moderate quality	60.2	34
Grade 4	Poor quality	0.9	1
Non-agricultural		1.8	1
Total		174.6	100

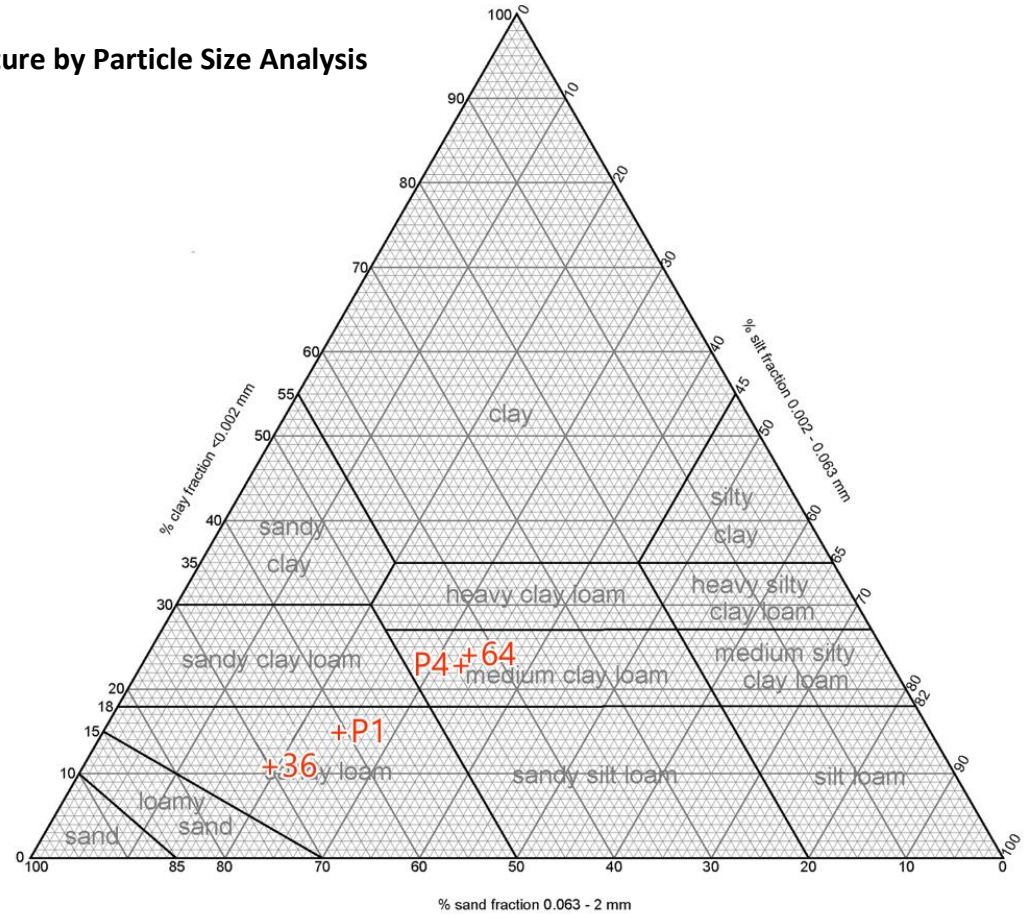
Appendix 1: Laboratory Data

Determinand	Pit 1	36	64	Pit 4	Units
Sand 2.00-0.063 mm	61	70	43	44	% w/w
Silt 0.063-0.002 mm	24	19	33	33	% w/w
Clay <0.002 mm	15	11	24	23	% w/w
Organic Matter	5.5	4.6	4.6	4.0	% w/w
Texture	Sandy loam	Sandy Loam	Medium Clay Loam	Medium clay loam	

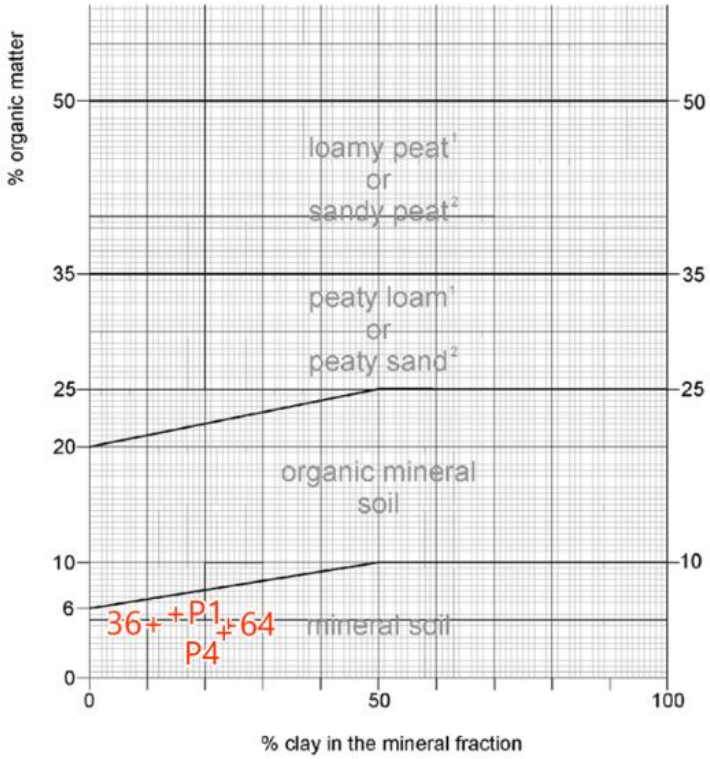
Determinand	Pit 1	36	64	Pit 4	Units
Soil pH	5.8	6.4	6.3	6.8	
Phosphorus (P)	29.6	31.0	36.2	21.4	mg/l (av)
Potassium (K)	143	162	156	171	mg/l (av)
Magnesium (Mg)	73.3	86.3	93.5	75.9	mg/l (av)

Determinand	Pit 1	36	64	Pit 4	Units
Phosphorus (P)	3	3	3	2	ADAS Index
Potassium (K)	2-	2-	2-	2-	ADAS Index
Magnesium (Mg)	2	2	2	2	ADAS Index

Soil Texture by Particle Size Analysis



Organic Matter Class



[1] Less than 50% sand in the mineral fraction

[2] 50% sand or more in the mineral fraction

Appendix 2: Soil Profile Summaries and Droughtiness Calculations

Wetness / workability limitations are determined according to the methodology given in Appendix 3 of the ALC guidelines, MAFF 1988
Droughtiness calculations are made according to the methodology given in Appendix 4 of the ALC guidelines, MAFF 1988.
Grades are shown for drought, wetness and any other soil or site factors which are relevant. The overall Grade is set by the most limiting factor and shown on the right.

Stone types		
%	TAv	EAv
Hard	1	0.5

Climate Data	
MDwheat	84
MDpotato	69
FCD	210

Wetness Class Guidelines	*II*	*III*	*IV*	*V*
SPL within 80cm, gleying within 40cm		>57cm	<57cm	
SPL within 80cm, gleying at 40-70cm	>77cm	<77cm		
No SPL but gleying within 40cm	coarse subsoil		*II*	other cases *III*
No SPL by gleying with 40-70cm	coarse subsoil		*I*	other cases *II*

Climate
1,411 D°
Limitation
Grade 1

hard flint & pebble AAR 889

Maximum depth of auger penetration is underlined

Site No.		Depth cm		Texture	$CaCO_3$	Colour	Mottle colour	abund-ance	stone% Hard	stone%	Struct-ure	AP wheat mm	AP potato mm	Gley	SPL	WC	Wetness grade WE	Final Grade	Limiting Factor(s)
1	T	0	32	mSL		10YR3/2			2			53	53	n	n	*I*	1	**1**	
		32	45	mSL		7.5YR5/4			2			19	19	n	n				
		45	66	SCL		7.5YR5/4			2			23	31	n	n				
		66	120	hCL		5YR4/3	Mn	few	5			51	6	n	n				
											Total	**147**	**110**						
											MB	147	41						
											Droughtiness grade (DR)	1	1						
2	T	0	30	mSL		10YR3/1			3			50	50	n	n	*I*	1	**1**	
		30	52	LmS		7.5YR5/3			5			18	19	n	n				
		52	70	mSL		5YR4/4			5			19	26	n	n				
		70	120	LmS		5YR4/4			0			30	0	n	n				
											Total	**117**	**94**						
											MB	117	25						
											Droughtiness grade (DR)	1	1						
3	T	0	28	mSL		10YR3/1			3			46	46	n	n	*I*	1	**1**	
		28	60	LmS		5YR4/4			0			26	29	n	n				
		60	120	mS		5YR4/4			0			30	7	n	n				
											Total	**102**	**82**						
											MB	102	13						

								Droughtiness grade (DR)		1	1							
4	T	0	29	mSL	10YR3/1			5		47	47	n	n	*I*	1	**2**	DR	
		29	44	LmS	5YR4/3			3		13	13	n	n					
		44	60	LmS	5YR4/4			0		11	14	n	n					
		60	120	mSston						12	3	n	n					
									Total	**84**	**78**							
									MB	84	9							
								Droughtiness grade (DR)		1	2							
5	T	0	30	mSL	10YR3/1			3		50	50	n	n	*I*	1	**2**	DR	
		30	42	LmS	7.5YR4/3			5		10	10	n	n					
		42	58	LmS	5YR4/4			0		12	14	n	n					
		58	120	mSston						12	4	n	n					
									Total	**84**	**78**							
									MB	84	9							
								Droughtiness grade (DR)		1	2							
6	T	0	27	mSL	10YR3/1			7		43	43	n	n	*II*	2	**2**	WE	
		27	70	mSL	10YR6/3	Fe	com	7		53	60	y	n					
		70	105	SCL	7.5YR4/4	Fe	com	5		33	0	n	n					
		105	120	mSston						3	0	n	n					
									Total	**132**	**103**		subsoil mottling faint					
									MB	132	34							
								Droughtiness grade (DR)		1	1							
7	T	0	30	SCL	10YR3/1			3		50	50	n	n	*IV*	3b	**3b**	WE	
		30	42	SC	5YR5/3	Fe	many	0	poor	16	16	y	y					
		42	120	C	5YR5/3	Fe/gr	com	0	poor	59	36	y	y					
									Total	**125**	**102**							
									MB	125	33							
								Droughtiness grade (DR)		1	1							
8	T	0	32	mSL	10YR3/1			3		53	53	n	n	*III*	3a	**3a**	WE	
		32	40	LmS	10YR5/3			5		7	7	n	n					

		40	60	LmS	10YR5/3			10		14	16	n	n				
		60	120	C	5YR5/3	Fe/gr	com	0	poor	42	13	y	y				
									Total	**115**	**89**						
									MB	115	20						
								Droughtiness grade (DR)		1	1						
9	T	0	29	mCL	10YR3/1			3		51	51	n	n	*IV*	3b	**3b**	WE
		29	70	C	10YR6/2	Fe	com	0	poor	41	53	y	y				
		70	120	C	5YR5/3	Fe	many	0	poor	35	0	y	y				
									Total	**127**	**104**						
									MB	127	35						
								Droughtiness grade (DR)		1	1						
10	T	0	30	mSL	10YR3/2			5		49	49	n	n	*I*	1	**2**	DR
		30	59	LmS	5YR5/4			0		23	26	n	n				
		59	120	mSston						12	3	n	n				
									Total	**84**	**78**						
									MB	84	9						
								Droughtiness grade (DR)		1	2						
11	T	0	28	mSL	10YR3/2			3		46	46	n	n	*I*	1	**1**	
		28	45	LmS	7.5YR4/4			0		15	15	n	n				
		45	60	LmS	5YR4/4			0		11	14	n	n				
		60	120	mS	5YR4/4			0		30	7	n	n				
									Total	**102**	**82**						
									MB	102	13						
								Droughtiness grade (DR)		1	1						
12	T	0	30	mSL	10YR3/2			3		50	50	n	n	*I*	1	**1**	
		30	105	LmS	5YR4/4			0		51	36	n	n				
		105	120	mS	5YR4/4			0		8	0	n	n				
									Total	**108**	**86**						
									MB	108	17						
								Droughtiness grade (DR)		1	1						

13	T	0	32	mSL	10YR3/2			5		52	52	n	n	*I*	1	**2**	DR
		32	52	LmS	5YR4/4			3		17	18	n	n				
		52	57	LmS	5YR4/4			0		3	5	n	n				
		57	120	mSston						13	4	n	n				
									Total	**84**	**78**						
									MB	84	9						
								Droughtiness grade (DR)		1	2						
14	T	0	30	mSL	10YR3/1			3		50	50	n	n	*I-II*	2	**2**	WE
		30	56	LmS	5YR4/3	mn	com	3		21	23	n	n				
		56	120	SCL	10YR5/2	Fe	com	0		64	21	y	n				
									Total	**135**	**93**						
									MB	135	24						
								Droughtiness grade (DR)		1	1						
15	T	0	30	mSL	10YR3/1			3		50	50	n	n	*I-II*	2	**2**	WE
		30	50	LmS	5YR4/4	mn	com	5		17	17	n	n				
		50	120	SCL	10YR5/2	Fe	com	0		70	30	y	n				
									Total	**137**	**97**						
									MB	137	28						
								Droughtiness grade (DR)		1	1						
16	T	0	30	mSL	10YR3/2			3		50	50	n	n	*I*	1	**2**	DR
		30	46	LmS	10YR6/3			0		14	14	n	n				
		46	120	mSston						15	7	n	n				
									Total	**79**	**71**						
									MB	79	2						
								Droughtiness grade (DR)		1	2						
17	T	0	27	mSL	10YR3/2			3		45	45	n	n	*I*	1	**1**	
		27	62	LmS	10YR6/3			7		26	30	n	n				
		62	85	LmS	10YR6/2			3		13	7	n	n				
		85	120	mS	10YR6/2, 5YR4/4			0		18	0	n	n				
									Total	**102**	**81**						

									MB	102	12							
								Droughtiness grade (DR)		1	1							
18	T	0	32	mSL	10YR3/2			3		53	53	n	n	*III*	3a	**3a**	WE	
		32	50	mSL	10YR6/3			7		25	25	n	n					
		50	120	SC	5YR5/3	Femn	com	0	poor	56	26	y	y					
									Total	**134**	**104**							
									MB	134	35							
								Droughtiness grade (DR)		1	1							
19	T	0	26	mSL	10YR3/2			3		43	43	n	n	*III*	3a	**3a**	WE	
		26	50	mSL	10YR6/2			5		34	34	n	n					
		50	120	C	5YR5/3	Fe/gr	com	0	poor	49	26	y	y					
									Total	**126**	**103**							
									MB	126	34							
								Droughtiness grade (DR)		1	1							
20	T	0	29	mSL	10YR3/2			3		48	48	n	n	*III*	3a	**3a**	WE	
		29	62	LmS	10YR4/3			5		25	28	n	n					
		62	120	C	5YR5/3	Femn/gr	many	0	poor	41	10	y	y					
									Total	**113**	**87**							
									MB	113	18							
								Droughtiness grade (DR)		1	1							
21	T	0	27	SCL	10YR3/2			5		44	44	n	n	*IV*	3b	**3b**	WE	
		27	45	hCL	7.5YR5/3	Fe	com	3		28	28	y	n					
		45	120	C	5YR5/3	Femn/gr	com	3	poor	54	32	y	y					
									Total	**126**	**103**							
									MB	126	34							
								Droughtiness grade (DR)		1	1							
22	T	0	28	mSL	10YR3/2			3		46	46	n	n	*I*	1	**1**		
		28	58	LmS	10YR4/3			3		24	26	n	n					
		58	120	LmS	5YR4/4			0		37	11	n	n					
									Total	**107**	**83**							

									MB	107	14							
								Droughtiness grade (DR)		1	1							
23	T	0	30	mSL	10YR3/2			2		50	50	n	n	*I*	1	**1**		
		30	70	LmS	10YR4/3			5		29	34	n	n					
		70	120	mS	5YR4/4			0		25	0	n	n					
									Total	**104**	**84**							
									MB	104	15							
								Droughtiness grade (DR)		1	1							
Pit 1	T	0	31	mSL	10YR3/2			3		51	51	n	n	*I*	1	**1**		
		31	54	LmS	7.5YR5/3			5		19	20	n	n					
		54	70	LmS	5YR4/4			0		10	14	n	n					
		70	120	mS	5YR4/4			0		25	0	n	n					
									Total	**104**	**85**							
									MB	104	16							
								Droughtiness grade (DR)		1	1							
24	T	0	35	mSL	10YR3/2			5		57	57	n	n	*I*	1	**1**		
		35	60	LmS	10YR4/3			5		19	22	n	n					
		60	77	LmS	7.5YR5/3	Fe	com	3		10	9	n	n					
		77	120	mSston						9	0	n	n					
									Total	**94**	**87**							
									MB	94	18							
								Droughtiness grade (DR)		1	1							
25	T	0	31	mSL	10YR3/2			3		51	51	n	n	*I-II*	2	**2**		WE
		31	46	LmS	7.5YR5/3			5		13	13	n	n					
		46	56	SCL	5YR4/3			3		12	15	n	n					
		56	75	mSL	5YR4/4			0		21	21	n	n					
		75	120	C	5YR5/3	Fe	com	0	poor	32	0	y	y					
									Total	**128**	**100**							
									MB	128	31							
								Droughtiness grade (DR)		1	1							

26	T	0	28	mSL	10YR3/2	3		46	46	n	n	/	1	**2**	DR
		28	60	LmS	7.5YR5/3	0		26	29	n	n				
		60	120	mSston				12	3	n	n				
							Total	**84**	**78**						
							MB	84	9						
						Droughtiness grade (DR)		1	2						
27	T	0	30	mSL	10YR3/2	3		50	50	n	n	/	1	**2**	DR
		30	50	LmS	7.5YR5/3	3		18	18	n	n				
		50	62	mS	7.5YR5/3	0		6	8	n	n				
		62	120	mSston				12	2	n	n				
							Total	**85**	**78**						
							MB	85	9						
						Droughtiness grade (DR)		1	2						
28	T	0	29	mSL	10YR3/2	3		48	48	n	n	/	1	**2**	DR
		29	60	LmS	5YR4/4	0		25	28	n	n				
		60	120	mSston				12	3	n	n				
							Total	**85**	**79**						
							MB	85	10						
						Droughtiness grade (DR)		1	2						
29	T	0	32	mSL	10YR3/2	2		53	53	n	n	/	1	**1**	
		32	46	LmS	5YR4/2	5		12	12	n	n				
		46	120	LmS	5YR4/3	0		46	22	n	n				
							Total	**111**	**87**						
							MB	111	18						
						Droughtiness grade (DR)		1	1						
30	T	0	27	mSL	10YR3/2	3		45	45	n	n	/	1	**1**	
		27	82	LmS	5YR4/3	0		40	39	n	n				
		82	100	mS	5YR4/4	0		9	0	n	n				
		100	120	mSston				4	0	n	n				
							Total	**98**	**83**						

							MB	98	14						
						Droughtiness grade (DR)		1	1						
31	T	0	29	mSL	10YR3/2	3		48	48	n	n	/	1	**1**	
		29	61	LmS	5YR4/4	0		26	29	n	n				
		61	75	mS	5YR4/4	0		7	6	n	n				
		75	120	mSston				9	0	n	n				
							Total	**89**	**83**						
							MB	89	14						
						Droughtiness grade (DR)		1	1						
32	T	0	30	mSL	10YR3/2	3		50	50	n	n	/	1	**1**	DR
		30	53	LmS	5YR4/4	3		19	20	n	n				
		53	80	mS	5YR4/4	0		14	12	n	n				
		80	120	mSston				8	0	n	n				
							Total	**90**	**82**						
							MB	90	13						
						Droughtiness grade (DR)		1	1						
33	T	0	30	mSL	10YR3/2	3		50	50	n	n	/	1	**1**	
		30	65	LmS	7.5YR5/3	3		26	31	n	n				
		65	100	LmS	5YR4/4	0		21	5	n	n				
		100	120	mSston				4	0	n	n				
							Total	**101**	**85**						
							MB	101	16						
						Droughtiness grade (DR)		1	1						
34	T	0	30	mSL	10YR3/2	2		50	50	n	n	/	1	**1**	
		30	72	LmS	7.5YR5/3	0		31	36	n	n				
		72	120	LmS	5YR4/4	0		29	0	n	n				
							Total	**110**	**86**						
							MB	110	17						
						Droughtiness grade (DR)		1	1						
35	T	0	30	mSL	10YR3/2	2		50	50	n	n	/	1	**2**	DR

		30	57	LmS	7.5YR5/3	5		21	23	n	n			
		57	60	mS	5YR4/4	0		2	2	n	n			
		60	120	mSston				12	3	n	n			
							Total	**85**	**78**					
							MB	85	9					
						Droughtiness grade (DR)		1	2					
36	T	0	30	mSL	10YR3/2	2		50	50	n	n	/	1	**1**
		30	120	LmS	10YR4/3	7		56	34	n	n			
							Total	**106**	**84**					
							MB	106	15					
						Droughtiness grade (DR)		1	1					
37	T	0	32	mSL	10YR3/2	2		53	53	n	n	/	1	**1**
		32	80	LmS	5YR4/4	5		33	33	n	n			
		80	120	LmS	5YR4/4	0		24	0	n	n			
							Total	**110**	**86**					
							MB	110	17					
						Droughtiness grade (DR)		1	1					
38	T	0	34	mSL	10YR3/2	3		56	56	n	n	/	1	**1**
		34	70	LmS	5YR4/4	5		25	31	n	n			
		70	120	mSston				10	0	n	n			
							Total	**91**	**87**					
							MB	91	18					
						Droughtiness grade (DR)		1	1					
39	T	0	33	mSL	10YR3/2	3		55	55	n	n	/	1	**1**
		33	45	LmS	7.5YR5/3	5		10	10	n	n			
		45	80	LmS	5YR4/4	3		22	22	n	n			
		80	120	mS	5YR4/4	0		20	0	n	n			
							Total	**107**	**87**					
							MB	107	18					
						Droughtiness grade (DR)		1	1					

40	T	0	31	mSL	10YR3/2			3		51	51	n	n	*I*	1	**2**	DR
		31	58	LmS	7.5YR4/3			3		21	24	n	n				
		58	120	mSston						12	4	n	n				
									Total	**85**	**78**						
									MB	85	9						
								Droughtiness grade (DR)		1	2						
41	T	0	33	mSL	10YR3/2			2		55	55	n	n	*I*	1	**2**	DR
		33	50	LmS	7.5YR4/3			2		15	15	n	n				
		50	120	mSston						14	6	n	n				
									Total	**84**	**76**						
									MB	84	7						
								Droughtiness grade (DR)		1	2						
42	T	0	30	mSL	10YR3/2			2		50	50	n	n	*I*	1	**1**	
		30	66	LmS	7.5YR5/3			2		27	32	n	n				
		66	120	LmS	5YR4/4			0		32	4	n	n				
									Total	**110**	**85**						
									MB	110	16						
								Droughtiness grade (DR)		1	1						
43	T	0	28	SCL	10YR3/2			2		47	47	n	n	*IV*	3b	**3b**	WE
		28	40	SCL	10YR6/2	Fe	com	5		17	17	y	n				
		40	120	C	5YR5/3	Mn	com	2	poor	61	38	y	y				
									Total	**125**	**102**						
									MB	125	33						
								Droughtiness grade (DR)		1	1						
44	T	0	27	SCL	10YR3/2			1		45	45	n	n	*IV*	3b	**3b**	WE
		27	43	C	7.5YR5/2	Fe	com	3	poor	20	20	y	y				
		43	120	C	5YR5/3	Fe	com	3	poor	56	34	y	y				
									Total	**122**	**100**						
									MB	122	31						
								Droughtiness grade (DR)		1	1						

45	T	0	30	mCL	10YR3/2			2		53	53	n	n	*IV*	3b	**3b**	WE
Pit 2		30	45	C	7.5YR5/2	Fe	many	2	poor	19	19	y	y				
		45	120	C	5YR5/3	Femn	com	1	poor	55	32	y	y				
									Total	**127**	**104**						
									MB	127	35						
								Droughtiness grade (DR)		1	1						
46	T	0	30	SCL	10YR3/2			2		50	50	n	n	*IV*	3b	**3b**	WE
		30	72	SC	10YR5/2	Fe	com	2	poor	43	51	y	y				
		72	90	SCL	10YR5/2	Fe	com	5		17	0	y	n				
		90	120	C	5YR5/3	mn/gr	com	0	poor	21	0	y	y				
									Total	**131**	**101**						
									MB	131	32						
								Droughtiness grade (DR)		1	1						
47	T	0	29	SCL	10YR3/2			1		49	49	n	n	*IV*	3b	**3b**	WE
		29	40	C	7.5YR5/2	Fe/gr	many	0	poor	14	14	y	y				
		40	120	C	5YR5/3	Fe/gr	com	0	poor	62	39	y	y				
									Total	**125**	**102**						
									MB	125	33						
								Droughtiness grade (DR)		1	1						
48	T	0	32	mSL	10YR3/2			3		53	53	n	n	*I*	1	**2**	DR
		32	50	LmS	7.5YR4/3			3		16	16	n	n				
		50	120	mSston						14	6	n	n				
									Total	**83**	**75**						
									MB	83	6						
								Droughtiness grade (DR)		1	2						
49	T	0	33	mSL	10YR3/2			3		55	55	n	n	*I*	1	**1**	
		33	72	LmS	7.5YR4/3			5		27	32	n	n				
		72	120	mS	5YR4/4			0		24	0	n	n				
									Total	**106**	**86**						
									MB	106	17						

								Droughtiness grade (DR)		1	1							
50	T	0	30	mSL	10YR3/2			3		50	50	n	n	*I*	1	**2**	DR
		30	60	LmS	7.5YR5/3			5		23	26	n	n				
		60	120	mSston						12	3	n	n				
									Total	**84**	**78**						
									MB	84	9						
								Droughtiness grade (DR)		1	2						
51	T	0	33	mSL	10YR3/2			2		55	55	n	n	*I*	1	**2**	DR
Pit 3		33	63	mS	10YR5/6			0		18	21	n	n				
		63	120	mSston						11	2	n	n				
									Total	**85**	**78**						
									MB	85	9						
								Droughtiness grade (DR)		1	2						
52	T	0	35	mSL	10YR3/2			2		58	58	n	n	*III*	3a	**3a**	WE
		35	70	mSL	10YR6/3	Fe	few	2		44	52	n	n				
		70	120	C	5YR5/3	Fe/gr	com	0	poor	35	0	y	y				
									Total	**137**	**110**						
									MB	137	41						
								Droughtiness grade (DR)		1	1						
53	T	0	30	SCL	10YR3/2			3		50	50	n	n	*IV*	3b	**3b**	WE
		30	38	SCL	7.5YR5/3	Fe	com	3		12	12	y	n				
		38	120	C	5YR5/3	Femn	com	0	poor	65	42	y	y				
									Total	**126**	**103**						
									MB	126	34						
								Droughtiness grade (DR)		1	1						
54	T	0	25	mCL	10YR4/2			5		43	43	n	n	*IV*	3b	**3b**	WE
		25	60	C	5YR5/3	Femn/gr	com	0	poor	40	46	y	y				
		60	120	C	5YR5/3	gr	com	0	poor	42	13	y	y				
									Total	**124**	**101**						
									MB	124	32						

								Droughtiness grade (DR)		1	1							
55	T	0	27	mCL	10YR4/2			5		46	46	n	n	*IV*	3b	**3b**	WE	
		27	45	C	7.5YR5/2	Femn	many	0	poor	23	23	y	y					
		45	120	C	5YR5/3	Fe/gr	many	0	poor	56	33	y	y					
									Total	**125**	**102**							
									MB	125	33							
								Droughtiness grade (DR)		1	1							
56	T	0	27	mCL	10YR4/2			3		47	47	n	n	*IV*	3b	**3b**	WE	
		27	70	C	10YR6/2	Fe	many	0	poor	44	56	y	y					
		70	120	C	5YR5/3	Fe/gr	many	2	poor	34	0	y	y					
									Total	**125**	**103**							
									MB	125	34							
								Droughtiness grade (DR)		1	1							
57	T	0	28	SCL	10YR4/2			3		46	46	n	n	*IV*	3b	**3b**	WE	
		28	40	C	5YR5/3	Fe/gr	com	3	poor	15	15	y	y					
		40	120	C	5YR5/3	Femn/gr	com	0	poor	62	39	y	y					
									Total	**123**	**100**							
									MB	123	31							
								Droughtiness grade (DR)		1	1							
58	T	0	32	SCL	10YR4/2			3		53	53	n	n	*IV*	3b	**3b**	WE	
		32	55	SCL	5YR5/3	Fe	com	3		31	34	y	n					
		55	120	C	5YR5/3	Femn/gr	com	5	poor	43	19	y	y					
									Total	**127**	**105**		USS faint mottling					
									MB	127	36							
								Droughtiness grade (DR)		1	1							
59	T	0	32	mSL	10YR3/2			3		53	53	n	n	*I*	1	**2**	DR	
		32	50	LmS	7.5YR5/3			3		16	16	n	n					
		50	55	mS	5YR4/4			0		3	4	n	n					
		55	120	mSston						13	5	n	n					
									Total	**84**	**77**							

									MB	84	8							
								Droughtiness grade (DR)		1	2							
60	T	0	31	mSL	10YR3/2			3		51	51	n	n	*I*	1	**1**		
		31	55	LmS	7.5YR5/3			3		20	21	n	n					
		55	73	mS	5YR5/3			0		9	11	n	n					
		73	120	mSston						9	0	n	n					
									Total	**89**	**83**							
									MB	89	14							
								Droughtiness grade (DR)		1	1							
61	T	0	33	mSL	10YR3/2			3		55	55	n	n	*I*	1	**2**	DR	
		33	45	LmS	5YR4/4			3		11	11	n	n					
		45	53	mS	5YR4/4			0		5	6	n	n					
		53	120	mSston						13	5	n	n					
									Total	**83**	**76**							
									MB	83	7							
								Droughtiness grade (DR)		1	2							
62	T	0	30	SCL	10YR4/2			5		49	49	n	n	*IV*	3b	**3b**	WE	
		30	42	SCL	10YR4/2, 10YR6/2	Fe	com	7		17	17	y	n					
		42	120	SC	5YR5/3	Femn/gr	com	10	poor	60	33	y	y					
									Total	**126**	**98**							
									MB	126	29							
								Droughtiness grade (DR)		1	1							
63	T	0	34	mCL	10YR4/2			5		58	58	n	n	*IV*	3b	**3b**	WE	
		34	70	C	7.5YR5/3	Fe/gr	many	5	poor	33	45	y	y					
		70	120	C	5YR5/3	mn/gr	many	5	poor	33	0	y	y					
									Total	**125**	**103**							
									MB	125	34							
								Droughtiness grade (DR)		1	1							
64	T	0	33	mCL	10YR4/2			5		57	57	n	n	*IV*	3b	**3b**	WE	
		33	120	C	5YR5/3	Femn/gr	com	5	poor	68	46	y	y					

									Total	**124**	**102**								
									MB	124	33								
								Droughtiness grade (DR)		1	1								
65	T	0	32	mSL	10YR3/2			3		53	53	n	n	*I*	1	**1**			
		32	50	LmS	7.5YR5/3			3		16	16	n	n						
		50	66	C	5YR5/3	Fe	few	0		13	26	n	n						
		66	75	SCL	5YR4/4			0		9	6	n	n						
		75	85	LmS	5YR4/4			0		6	0	n	n						
		85	120	mSston						7	0	n	n						
									Total	**103**	**100**								
									MB	103	31								
								Droughtiness grade (DR)		1	1								
66	T	0	34	mSL	10YR3/2			3		56	56	n	n	*I*	1	**1**			
		34	55	LmS	7.5YR5/3			3		17	18	n	n						
		55	80	mSL	5YR4/4			0		28	23	n	n						
		80	120	LmS	5YR4/4			0		24	0	n	n						
									Total	**125**	**97**								
									MB	125	28								
								Droughtiness grade (DR)		1	1								
67	T	0	34	mSL	10YR3/2			5		55	55	n	n	*II*	2	**2**	WE		
		34	50	mSL	5YR4/4			7		22	22	n	n						
		50	73	SC	5YR5/3			5		22	29	n	n						
		73	120	C	5YR5/3	mn/gr	com	5	poor	31	0	y	y						
									Total	**131**	**106**								
									MB	131	37								
								Droughtiness grade (DR)		1	1								
68	T	0	30	SCL	10YR4/2	Fe	many	0	-	51	51	y	n	*IV*	3b	**3b**	WE		
		30	50	SCL	7.5YR5/3	Fe	many	0		30	30	y	n						
		50	120	C	7.5YR5/3	Fe	many	0	poor	49	26	y	y						
									Total	**130**	**107**								

										MD	46	38							
								Droughtiness grade (DR)		1	1								
69	T	0	30	mSL	10YR4/2	Fe	many	0	-	51	51	y	n	*III*	3a	**3a**	WE		
		30	120	hCL	7.5YR5/3	Fe	many	0		102	64	y	n						
									Total	**153**	**115**								
									MD	69	46								
								Droughtiness grade (DR)		1	1								
70	T	0	30	mSL	10YR4/2	Fe	many	0	-	51	51	y	n	*II*	2	**2**	WE DR		
		30	120	LmS	10YR5/3	Fe	many	0		60	36	y	n						
									Total	**111**	**87**								
									MD	27	18								
								Droughtiness grade (DR)		2	1								
71	T	0	30	SCL	10YR4/2	Fe	many	2	-	50	50	y	n	*IV*	3b	**3b**	WE		
		30	50	C	7.5YR5/3	Fe	many	10		29	29	y	n						
		50	120	C	7.5YR5/3	Fe	many	0	poor	49	26	y	y						
									Total	**128**	**105**								
									MD	44	36								
								Droughtiness grade (DR)		1	1								
72	T	0	30	SCL	10YR3/2	Fe	many	2	-	50	50	(y)	n	*IV*	3b	**3b**	WE		
		30	60	C	7.5YR5/3	Fe/grey	com	0	poor	33	39	y	y						
		60	120	C	5YR4/4	grey	com	0	poor	42	13	n	y						
									Total	**125**	**102**								
									MD	41	33								
								Droughtiness grade (DR)		1	1								
73	T	0	25	SCL	10YR3/2	Fe	many	2	-	42	42	(y)	n	*III*	3a	**3a**	WE		
		25	60	SCL	10YR5/3	Fe/grey	com	0		48	53	y	n						
		60	120	C	7.5YR4/4	grey	com	0	poor	42	13	n	y						
									Total	**131**	**107**								
									MD	47	38								
								Droughtiness grade (DR)		1	1								

74	T	0	30	mCL	10YR3/2	Fe	many	2	-	53	53	(y)	n	*IV*	3b	**3b**	WE
		30	60	C	10YR5/3	Fe	com	0	poor	33	39	y	y				
		60	120	C	10YR5/1	Fe	com	0	poor	42	13	y	y				
									Total	**128**	**105**		Some sand in USS				
									MD	44	36						
								Droughtiness grade (DR)		1	1						
75	T	0	30	SCL	10YR3/2	Fe	few	0	-	51	51	n	n	*II*	3a	**3a**	WE
		30	120	mSL	10YR5/3, 7.5YR4/4	Fe	many	0		107	60	y	n				
									Total	**158**	**111**						
									MD	74	42						
								Droughtiness grade (DR)		1	1						
76	T	0	25	mCL	10YR3/2			0	-	45	45	n	n	*III*	3a	**3a**	WE
		25	70	mSL	10YR5/3	Fe	com	0		60	68	y	n				
		70	120	C	7.5YR4/4	Fe	com	0	poor	35	0	n	y				
									Total	**140**	**113**						
									MD	56	44						
								Droughtiness grade (DR)		1	1						
77	T	0	30	mCL	10YR3/2	Fe	few	0	-	54	54	n	n	*IV*	3b	**3b**	WE
		30	120	C	7.5YR5/3	Fe	many	0	poor	88	64	y	y				
									Total	**142**	**118**						
									MD	58	49						
								Droughtiness grade (DR)		1	1						
78	T	0	30	mSL	10YR3/2			2	-	50	50	n	n	*I*	1	**2**	DR
		30	60	mS	7.5YR4/4			5		18	20	n	n				
		60	120	mS	7.5YR4/4			5		29	7	n	n				
									Total	**97**	**77**						
									MD	13	8						
								Droughtiness grade (DR)		2	2						
79	T	0	30	mSL	10YR3/2			2	-	50	50	n	n	*I*	1	**2**	DR

		30	120	mS	7.5YR4/4			5		47	27	n	n					
									Total	**97**	**77**							
									MD	13	8							
								Droughtiness grade (DR)		2	2							
80	T	0	30	mSL	10YR3/2			2	-	50	50	n	n	/	1	**2**	DR	
		30	120	mS	7.5YR4/4			5		47	27	n	n					
									Total	**97**	**77**							
									MD	13	8							
								Droughtiness grade (DR)		2	2							
81	T	0	30	mSL	10YR3/2			2	-	50	50	n	n	/	1	**2**	DR	
		30	120	mS	7.5YR4/4			5		47	27	n	n					
									Total	**97**	**77**							
									MD	13	8							
								Droughtiness grade (DR)		2	2							
82	T	0	30	SCL	10YR3/2			2	-	50	50	n	n	/	2	**2**	WE	
		30	120	mSL	7.5YR4/4			5		102	57	n	n					
									Total	**152**	**107**							
									MD	68	38							
								Droughtiness grade (DR)		1	1							
83	T	0	35	mSL	10YR3/2			2	-	58	58	n	n	/	1	**2**	DR	
		35	120	mS	7.5YR4/4			5		43	23	n	n					
									Total	**102**	**82**							
									MD	18	13							
								Droughtiness grade (DR)		2	1							
84	T	0	30	mSL	10YR3/2			2	-	50	50	n	n	/	1	**2**	DR	
		30	120	LmS	10YR5/3	Fe	few	5		57	34	n	n					
									Total	**107**	**84**							
									MD	23	15							
								Droughtiness grade (DR)		2	1							
85	T	0	30	mSL	10YR3/2	Fe	few	2	-	50	50	n	n	/	1	**2**	DR	

		30	40	LmS	7.5YR4/4	Fe	few	5		9	9	n	n					
		40	120	LmS	7.5YR4/4	Fe	few	5		49	26	n	n					
									Total	**107**	**84**							
									MD	23	15							
								Droughtiness grade (DR)		2	1							
86	T	0	30	hCL	10YR4/2			2	-	53	53	n	n	*III*	3b	**3b**	WE	
		30	120	hCL	7.5YR5/3	Fe	many	5		97	61	y	n					
									Total	**150**	**114**							
									MD	66	45							
								Droughtiness grade (DR)		1	1							
87	T	0	30	mCL	10YR3/2			2	-	53	53	y	n	*III*	3a	**3a**	WE	
		30	40	C	10YR6/4	Fe	com	5		15	15	y	n					
		40	120	C	10YR5/2	Fe	com	5		69	46	y	n					
									Total	**137**	**114**		Some sand in LSS					
									MD	53	45							
								Droughtiness grade (DR)		1	1							
88	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/4, 10YR5/3	Fe	com	5	poor	72	50	y	y					
									Total	**125**	**103**		Some sandy lenses in subsoil-sandy clay					
									MD	41	34							
								Droughtiness grade (DR)		1	1							
89	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/3	Fe	com	5		31	31	y	n					
		50	120	C	5YR4/4	Fe	com	5	poor	47	25	n	y					
									Total	**130**	**108**							
									MD	46	39							
								Droughtiness grade (DR)		1	1							
90	T	0	30	mCL	10YR4/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	7.5YR5/3	Fe	many	5	poor	72	50	y	y					

										Total	**125**	**103**						
										MD	41	34						
									Droughtiness grade (DR)		1	1						
91	T	0	30	SCL	10YR4/2	Fe	few	2	-		50	50	n	n	*II*	3a	**3a**	WE
		30	120	mSL	10YR5/3, 7.5YR4/4	Fe	com	5			102	57	y	n				
										Total	**152**	**107**						
										MD	68	38						
									Droughtiness grade (DR)		1	1						
92	T	0	30	SCL	10YR4/2	Fe	few	2	-		50	50	n	n	*I*	2	**2**	WE DR
		30	120	LmS	7.5YR4/4	Fe	few	5			57	34	n	n				
										Total	**107**	**84**						
										MD	23	15						
									Droughtiness grade (DR)		2	1						
93	T	0	25	SCL	10YR4/2	Fe	few	2	-		42	42	n	n	*I*	2	**2**	WE
		25	35	mSL	7.5YR4/3	Fe	few	5			14	14	n	n				
		35	120	mSL	7.5YR4/3	Fe	few	5			95	50	n	n				
										Total	**151**	**106**						
										MD	67	37						
									Droughtiness grade (DR)		1	1						
94	T	0	25	mSL	10YR4/2	Fe	few	2	-		42	42	n	n	*I*	1	**1**	
		25	40	SCL	7.5YR4/3	Fe	few	5			21	21	n	n				
		40	120	SCL	7.5YR4/3	Fe	few	5			81	43	n	n				
										Total	**144**	**106**						
										MD	60	37						
									Droughtiness grade (DR)		1	1						
95	T	0	30	mSL	10YR4/2	Fe	many	2	-		50	50	y	n	*II*	2	**2**	WE
		30	60	mSL	10YR5/3, 7.5YR4/4	Fe	many	5			39	43	y	n				
		60	120	mSL	10YR5/3, 7.5YR4/4	Fe	many	5			63	14	y	n				

										Total	**152**	**107**						
										MD	68	38						
								Droughtiness grade (DR)			1	1						
96	T	0	35	SCL	10YR4/2	Fe	many	2	-		58	58	y	n	*IV*	3b	**3b**	WE
		35	120	C	10YR5/2	Fe/grey	com	5	poor		65	43	y	y				
										Total	**124**	**102**						
										MD	40	33						
								Droughtiness grade (DR)			1	1						
97	T	0	30	SCL	10YR4/2			2	-		50	50	n	n	*I*	2	**2**	WE
		30	120	SCL	7.5YR4/4			5			95	57	n	n				
										Total	**145**	**107**						
										MD	61	38						
								Droughtiness grade (DR)			1	1						
98	T	0	30	SCL	10YR4/2	Fe	few	2	-		50	50	n	n	*I*	2	**2**	WE
		30	120	mSL	5YR4/4			5			102	57	n	n				
										Total	**152**	**107**						
										MD	68	38						
								Droughtiness grade (DR)			1	1						
99	T	0	30	SCL	10YR4/2	Fe	many	2	-		50	50	y	n	*II*	3a	**3a**	WE
		30	50	mSL	10YR5/3	Fe	many	5			29	29	y	n				
		50	120	mSL	5YR4/4	Fe	many	5			73	29	n	n				
										Total	**152**	**107**						
										MD	68	38						
								Droughtiness grade (DR)			1	1						
100	T	0	30	SCL	10YR4/2	Fe	few	2	-		50	50	n	n	*IV*	3b	**3b**	WE
		30	50	C	7.5YR4/4	red	many	5	poor		25	25	n	y				
		50	120	mS	5YR4/4			5			33	13	n	n				
										Total	**108**	**88**						
										MD	24	19						
								Droughtiness grade (DR)			2	1						

Wetness assessed - ALC Guidelines P38- vi)

Non-gley SPL reddish soils- Figure 7

101	T	0	30	mSL	10YR3/2			2	-	50	50	n	n	*II*	2	**2**	WE DR
		30	120	mS	10YR5/2	Fe	many	5		47	27	y	n				
									Total	**97**	**77**						
									MD	13	8						
								Droughtiness grade (DR)		2	2						
102	T	0	25	mSL	10YR3/2	Fe	few	2	-	42	42	n	n	*II*	2	**2**	WE DR
		25	120	mS	10YR5/2	Fe	many	5		50	30	y	n				
									Total	**92**	**72**						
									MD	8	3						
								Droughtiness grade (DR)		2	2						
103	T	0	25	mSL	10YR3/2	Fe	few	2	-	42	42	n	n	*II*	2	**2**	WE DR
		25	120	mS	10YR5/2	Fe	many	5		50	30	y	n				
									Total	**92**	**72**						
									MD	8	3						
								Droughtiness grade (DR)		2	2						
104	T	0	25	mSL	10YR3/2	Fe	few	2	-	42	42	n	n	*II*	2	**2**	WE DR
		25	120	mS	10YR5/2	Fe	many	5		50	30	y	n				
									Total	**92**	**72**						
									MD	8	3						
								Droughtiness grade (DR)		2	2						
105	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*I*	2	**2**	WE DR
		30	45	LmS	10YR4/3	Fe	few	5		13	13	n	n				
		45	120	mS	7.5YR5/3	Fe	many	5		37	17	y	n				
									Total	**100**	**80**						
									MD	16	11						
								Droughtiness grade (DR)		2	1						
106	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE
		30	40	C	10YR5/2	Fe,red	many	5	poor	12	12	y	y				
		40	120	C	5YR4/4	Fe,red	com	5	poor	59	37	n	y				
									Total	**125**	**103**						

									MD	41	34							
								Droughtiness grade (DR)		1	1							
107	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*I-II*	3a	**3a**	WE	
		30	40	mSL	7.5YR5/3	Fe	many	5		14	14	y	n					
		40	60	mSL	5YR4/4	red	many	5		25	29	n	n					
		40	120	LmS	7.5YR4/4	grey	many	5		49	26	n	n					
									Total	**138**	**119**							
									MD	54	50							
								Droughtiness grade (DR)		1	1							
108	T	0	30	SCL	10YR3/2			2	-	50	50	n	n	*II-III*	3a	**3a**	WE	
		30	60	mSL	10YR5/1	Fe	many	5		39	43	y	n					
		60	65	SC	10YR5/2	Fe	many	10		5	7	y	n					
		65	120	SC	10YR5/2	Fe	many	5		52	7	y	n					
									Total	**146**	**107**							
									MD	62	38							
								Droughtiness grade (DR)		1	1							
109	T	0	30	SCL	10YR3/1	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE	
		30	35	mSL	10YR5/1	Fe	many	5		7	7	y	n					
		35	120	C	5YR4/4	Fe	many	5	poor	65	43	n	y					
									Total	**123**	**101**							
									MD	39	32							
								Droughtiness grade (DR)		1	1							
110	T	0	30	SCL	10YR3/1	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE	
		30	50	mSL	10YR5/2	Fe	com	5		29	29	y	n					
		50	120	C	5YR4/4			5	poor	47	25	n	y					
									Total	**125**	**103**							
									MD	41	34							
								Droughtiness grade (DR)		1	1							
111	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/4			5	poor	72	50	n	y					

										Total	**122**	**100**		Some sand in subsoil					
										MD	38	31		Wetness assessed - ALC Guidelines P38- vi)					
								Droughtiness grade (DR)			1	1		Non-gley SPL reddish soils- Figure 7					
112	T	0	30	mCL	10YR3/2	Fe	many	2	-		53	53	(y)	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	Fe	com	5	poor		72	50	y	y					
										Total	**125**	**103**							
										MD	41	34							
								Droughtiness grade (DR)			1	1							
113	T	0	30	mSL	10YR3/2	Fe	few	2	-		50	50	n	n	*II*	2	**2**	WE DR	
		30	120	mS	10YR5/2	Fe	com	5			47	27	y	n					
										Total	**97**	**77**							
										MD	13	8							
								Droughtiness grade (DR)			2	2							
114	T	0	30	SCL	10YR3/2	Fe	many	2	-		50	50	(y)	n	*III*	3a	**3a**	WE	
		30	60	C	10YR5/3	Fe	few	5			38	46	n	n					
		60	120	C	5YR4/4	Fe	com	5	poor		40	12	n	y					
										Total	**128**	**108**		Figure 7-Mottling within 40cm (Topsoil)					
										MD	44	39		& Wetness assessed - ALC Guidelines P38- vi)					
								Droughtiness grade (DR)			1	1		Non-gley SPL reddish soils- Figure 7					
115	T	0	30	mCL	10YR4/2	Fe	few	2	-		53	53	n	n	*III*	3a	**3a**	WE	
		30	45	mSL	10YR5/2	Fe	many	5			21	21	y	n					
		45	120	C	7.5YR4/4	Fe	many	5	poor		53	31	n	y					
										Total	**127**	**105**							
										MD	43	36							
								Droughtiness grade (DR)			1	1							
116	T	0	30	hCL	10YR4/2	Fe	few	2	-		53	53	n	n	*IV*	4	**4**	WE	
		30	120	C	5YR5/3	Fe	many	5	poor		72	50	y	y					
										Total	**125**	**103**							
										MD	41	34							
								Droughtiness grade (DR)			1	1							

117	T	0	30	mCL	10YR4/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE
		30	40	mSL	10YR5/2	Fe	many	5		14	14	y	n				
		40	50	mSL	10YR5/2	Fe	many	5		14	14	y	n				
		50	120	C	7.5YR4/4	Fe	many	5	poor	47	25	n	y				
									Total	**128**	**106**						
									MD	44	37						
								Droughtiness grade (DR)		1	1						
118	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*III*	3a	**3a**	WE
		30	60	LmS	10YR5/2	Fe	many	5		23	26	y	n				
		60	120	C	7.5YR4/4	Fe	few	5	poor	40	12	n	y				
									Total	**113**	**88**						
									MD	29	19						
								Droughtiness grade (DR)		2	1						
119	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE
		30	40	C	10YR5/3	Fe	many	5		15	15	y	n				
		40	120	C	10YR5/3	Fe	many	5	poor	59	37	y	y				
									Total	**127**	**105**						
									MD	43	36						
								Droughtiness grade (DR)		1	1						
120	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE
		30	120	C	10YR5/3	Fe	com	5	poor	72	50	y	y				
									Total	**125**	**103**						
									MD	41	34						
								Droughtiness grade (DR)		1	1						
121	T	0	25	mCL	10YR3/2	Fe	few	2	-	44	44	n	n	*IV*	3b	**3b**	WE
		25	50	LmS	10YR5/2	Fe	many	5		22	22	y	n				
		50	120	C	7.5YR4/4	Fe	com	5	poor	47	25	n	y				
									Total	**112**	**90**						
									MD	28	21						
								Droughtiness grade (DR)		2	1						

122	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/4	Fe	com	5	poor	72	50	n	y					
									Total	**125**	**103**		Wetness assessed - ALC Guidelines P38- vi)					
									MD	41	34		Non-gley SPL reddish soils- Figure 7					
								Droughtiness grade (DR)		1	1							
123	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*III*	3a	**3a**	WE	
		30	60	SCL	10YR6/4	Fe	com	5		38	43	y	n					
		60	120	C	7.5YR4/4	Fe	com	5	poor	40	12	n	y					
									Total	**131**	**108**		USS-mixed sand and clay					
									MD	47	39							
								Droughtiness grade (DR)		1	1							
124	T	0	30	hCL	10YR3/2	Fe	many	2	-	53	53	(y)	n	*IV*	4	**4**	WE	
		30	120	C	7.5YR5/3	Fe	many	5	poor	72	50	y	y					
									Total	**125**	**103**							
									MD	41	34							
								Droughtiness grade (DR)		1	1							
125	T	0	30	mCL	10YR3/2	Fe	many	2	-	53	53	(y)	n	*IV*	3b	**3b**	WE	
		30	45	SCL	10YR5/3	Fe	com	5		21	21	y	n					
		45	120	C	5YR4/4	Fe	com	5	poor	53	31	n	y					
									Total	**127**	**105**							
									MD	43	36							
								Droughtiness grade (DR)		1	1							
126	T	0	30	mCL	10YR3/2	Fe	many	10	-	49	49	(y)	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR4/2	Fe	com	10		29	29	y	n					
		50	120	C	7.5YR4/4	Fe	com	10	poor	44	24	n	y					
									Total	**122**	**102**							
									MD	38	33							
								Droughtiness grade (DR)		1	1							
127	T	0	30	mCL	10YR3/2	Fe	few	2	-	53	53	n	n	*IV*	3b	**3b**	WE	
		30	45	C	10YR5/3	Fe	com	2		24	24	y	n					

		45	120	C	7.5YR4/4	Fe	many	2	poor	54	32	n	y					
									Total	**131**	**108**							
									MD	47	39							
									Droughtiness grade (DR)	1	1							
128	T	0	30	mSL	10YR3/2	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE	
		30	45	mS	10YR5/3	Fe	com	2		10	10	y	n					
		45	120	C	5YR4/4	red	many	2	poor	54	32	n	y					
									Total	**115**	**92**							
									MD	31	23							
									Droughtiness grade (DR)	1	1							
129	T	0	30	mCL	10YR4/2	Fe	many	2	-	53	53	y	n	*IV*	3b	**3b**	WE	
		30	45	SCL	10YR5/3	Fe	com	2		22	22	y	n					
		45	120	C	5YR4/4	red	many	2	poor	54	32	n	y					
									Total	**130**	**107**							
									MD	46	38							
									Droughtiness grade (DR)	1	1							
130	T	0	40	mCL	10YR3/2	Fe	many	2	-	71	71	(y)	n	*IV*	3b	**3b**	WE	
		40	60	C	7.5YR5/3	Fe	com	2	poor	20	26	y	y					
		60	120	C	5YR4/4	Fe	com	2	poor	41	13	n	y					
									Total	**131**	**109**							
									MD	47	40							
									Droughtiness grade (DR)	1	1							
131	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE	
		30	50	SCL	10YR4/2	Fe	many	2		29	29	y	n					
		50	120	C	10YR5/3	Fe	com	2	poor	48	26	y	y					
									Total	**128**	**105**							
									MD	44	36							
									Droughtiness grade (DR)	1	1							
132	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE	
		30	50	LmS	10YR5/3	Fe	many	2		18	18	y	n					

		50	120	C	5YR4/4	red	many	2	poor	48	26	n	y						
									Total	**116**	**93**								
									MD	32	24								
									Droughtiness grade (DR)	1	1								
133	T	0	30	SCL	10YR4/2	Fe	few	2	-	50	50	n	n	*III*	3a	**3a**	WE		
		30	60	C	10YR5/2	Fe	com	2		39	47	y	n						
		60	120	C	5YR4/4	red	many	2	poor	41	13	n	y						
									Total	**131**	**110**		USS-some sand lenses						
									MD	47	41								
									Droughtiness grade (DR)	1	1								
134	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE		
		30	55	C	10YR5/3	Fe	many	2		35	39	y	n						
		55	120	C	7.5YR4/4	red	many	2	poor	45	19	n	y						
									Total	**130**	**108**		USS-some sand lenses						
									MD	46	39								
									Droughtiness grade (DR)	1	1								
135	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*IV*	3b	**3b**	WE		
		30	45	mSL	10YR5/3	Fe	many	2		22	22	y	n						
		45	120	C	7.5YR5/3	Fe	com	2	poor	54	32	y	y						
									Total	**127**	**104**								
									MD	43	35								
									Droughtiness grade (DR)	1	1								
136	T	0	30	SCL	10YR4/2	Fe	few	2	-	50	50	n	n	*I*	2	**2**	WE DR		
		30	40	mS	10YR5/3	Fe	few	2		7	7	n	n						
		40	120	mS	7.5YR4/4	Fe	few	10		38	19	n	n						
									Total	**95**	**76**								
									MD	11	7								
									Droughtiness grade (DR)	2	2								
137	T	0	30	mCL	10YR3/2	Fe	many	2	-	53	53	(y)	n	*IV*	3b	**3b**	WE		
		30	50	C	10YR5/2	Fe	com	2		31	31	y	n						

		50	120	C	7.5YR4/4	Fe	many	2	poor	48	26	n	y					
									Total	**132**	**110**							
									MD	48	41							
								Droughtiness grade (DR)		1	1							
138	T	0	30	SCL	10YR4/2	Fe	many	2	-	50	50	y	n	*IV*	3b	**3b**	WE	
		30	50	C	10YR5/2	Fe	few	2		31	31	n	n					
		50	120	C	5YR4/4	Fe	many	2	poor	48	26	n	y					
									Total	**130**	**107**		Figure 7-Mottling within 40cm (Topsoil)					
									MD	46	38		& Wetness assessed - ALC Guidelines P38- vi)					
								Droughtiness grade (DR)		1	1		Non-gley SPL reddish soils- Figure 7					
139	T	0	30	SCL	10YR3/2	Fe	many	2	-	50	50	(y)	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	Fe	com	2	poor	74	51	y	y					
									Total	**124**	**101**							
									MD	40	32							
								Droughtiness grade (DR)		1	1							
140	T	0	30	SCL	10YR4/2	Fe	few	2	-	50	50	n	n	*II*	3a	**3a**	WE	
		30	45	LmS	10YR5/3	Fe	many	2		13	13	y	n					
		45	120	mS	7.5YR4/4	Fe	many	2		38	17	n	n					
									Total	**101**	**81**							
									MD	17	12							
								Droughtiness grade (DR)		2	1							
141	T	0	30	SCL	10YR3/2	Fe	few	2	-	50	50	n	n	*II*	3a	**3a**	WE	
		30	120	LmS	10YR5/3	Fe	com	2		59	35	y	n					
									Total	**109**	**85**							
									MD	25	16							
								Droughtiness grade (DR)		2	1							
142/P4	T	0	30	mCL	10YR3/2	Fe	many	2	-	53	53	(y)	n	*IV*	3b	**3b**	WE	
		30	120	C	10YR5/3	Fe	com	2	poor	74	51	y	y					
									Total	**127**	**104**							
									MD	43	35							

								Droughtiness grade (DR)		1	1							
143	T	0	30	SCL	10YR4/2	Fe	many	2	-	50	50	y	n	*IV*	3b	**3b**	WE	
		30	45	SCL	10YR4/2	Fe	com	2		22	22	y	n					
		45	120	C	10YR5/2	Fe	com	2	poor	54	32	y	y					
									Total	**127**	**104**							
									MD	43	35							
								Droughtiness grade (DR)		1	1							
144	T	0	35	SCL	10YR4/2	Fe	many	2	-	58	58	y	n	*II*	3a	**3a**	WE	
		35	40	mSL	10YR5/3	Fe	com	2		7	7	y	n					
		40	120	mS	5YR4/4	Fe	many	2		41	21	n	n					
									Total	**107**	**86**							
									MD	23	17							
								Droughtiness grade (DR)		2	1							
145	T	0	35	mSL	10YR4/2			2	-	58	58	n	n	*I*	1	**2**	DR	
		35	120	LmS	10YR4/4			2		54	31	n	n					
									Total	**113**	**89**							
									MD	29	20							
								Droughtiness grade (DR)		2	1							
146	T	0	30	mSL	10YR4/2	Fe	many	2	-	50	50	y	n	*IV*	3b	**3b**	WE	
		30	50	C	7.5YR4/4	Fe	many	2		31	31	n	n					
		50	120	C	5YR4/4	Fe	many	2	poor	48	26	n	y					
									Total	**130**	**107**		Figure 7-Mottling within 40cm (Topsoil)					
									MD	46	38		& Wetness assessed - ALC Guidelines P38- vi)					
								Droughtiness grade (DR)		1	1		Non-gley SPL reddish soils- Figure 7					
147	T	0	30	SCL	10YR4/2	Fe	many	2	-	50	50	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/4	red	many	2	poor	74	51	n	y					
									Total	**124**	**101**		Figure 7-Mottling within 40cm (Topsoil)					
									MD	40	32		& Wetness assessed - ALC Guidelines P38- vi)					
								Droughtiness grade (DR)		1	1		Non-gley SPL reddish soils- Figure 7					
148	T	0	30	mSL	10YR4/2			2	-	50	50	n	n	*I*	1	**2**	DR	

		30	45	LmS	5YR4/4			2		13	13	n	n					
		45	120	mS	5YR4/4			2		38	17	n	n					
									Total	**101**	**81**							
									MD	17	12							
								Droughtiness grade (DR)		2	1							
149	T	0	30	SCL	10YR4/2	Fe	many	2	-	50	50	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/4	red	many	2	poor	74	51	n	y					
									Total	**124**	**101**		Figure 7-Mottling within 40cm (Topsoil)					
									MD	40	32		& Wetness assessed - ALC Guidelines P38- vi)					
								Droughtiness grade (DR)		1	1		Non-gley SPL reddish soils- Figure 7					
150	T	0	30	SCL	10YR4/2	Fe	many	2	-	50	50	y	n	*II-III*	3a	**3a**	WE	
		30	50	SCL	7.5YR4/2	Fe	many	2		29	29	y	n					
		50	120	mSL	7.5YR4/4	Fe	many	2		76	29	n	n					
									Total	**155**	**109**							
									MD	71	40							
								Droughtiness grade (DR)		1	1							
151	T	0	30	SCL	10YR4/2	Fe	many	2	-	50	50	y	n	*IV*	3b	**3b**	WE	
		30	120	C	5YR4/4	red	many	2	poor	74	51	n	y					
									Total	**124**	**101**		Figure 7-Mottling within 40cm (Topsoil)					
									MD	40	32		& Wetness assessed - ALC Guidelines P38- vi)					
								Droughtiness grade (DR)		1	1		Non-gley SPL reddish soils- Figure 7					
152	T	0	30	mSL	10YR4/2			2	-	50	50	n	n	*I*	1	**2**	DR	
		30	40	LmS	7.5YR4/2			2		9	9	n	n					
		40	120	mS	5YR4/4			2		41	21	n	n					
									Total	**100**	**80**							
									MD	16	11							
								Droughtiness grade (DR)		2	1							
153	T	0	30	LmS	10YR4/2			2	-	38	38	n	n	*I*	1	**3a**	DR	
		30	120	mS	5YR4/4			2		48	28	n	n					
									Total	**86**	**66**							

								MD	2	-3						
							Droughtiness grade (DR)		3a	2						
154	T	0	30	SCL	10YR4/2	2	-		50	50	n	n	*I*	2	**2**	WE
		30	40	mSL	7.5YR4/3	2			15	15	n	n				
		40	50	LmS	7.5YR4/4	2			9	9	n	n				
		50	120	LmS	7.5YR4/4	2			41	18	n	n				
								Total	**115**	**91**						
								MD	31	22						
							Droughtiness grade (DR)		1	1						
155	T	0	30	mSL	10YR4/2	2	-		50	50	n	n	*I*	1	**1**	
		30	60	SCL	7.5YR4/4	2			39	44	n	n				
		60	120	mSL	7.5YR4/4	2			65	15	n	n				
								Total	**154**	**109**						
								MD	70	40						
							Droughtiness grade (DR)		1	1						
156	T	0	35	mSL	10YR4/2	2	-		58	58	n	n	*I*	1	**2**	DR
		35	50	LmS	7.5YR4/4	2			13	13	n	n				
		50	120	mS	7.5YR5/3	2			34	14	n	n				
								Total	**106**	**85**						
								MD	22	16						
							Droughtiness grade (DR)		2	1						
157	T	0	30	SCL	10YR4/2	2	-		50	50	n	n	*I*	2	**2**	WE DR
		30	50	LmS	7.5YR4/3	2			18	18	n	n				
		50	120	mS	5YR4/4	2			34	14	n	n				
								Total	**102**	**81**						
								MD	18	12						
							Droughtiness grade (DR)		2	1						
158	T	0	30	LmS	10YR4/2	2	-		38	38	n	n	*I*	1	**3a**	DR
		30	120	mS	5YR4/4	2			48	28	n	n				
								Total	**86**	**66**						
								MD	2	-3						

						Droughtiness grade (DR)		3a	2							
159	T	0	30	mSL	10YR4/2	2	-	50	50	n	n	/	1	**2**	DR	
		30	120	LmS	5YR4/4	2		59	35	n	n					
							Total	**109**	**85**							
							MD	25	16							
						Droughtiness grade (DR)		2	1							
160	T	0	30	mSL	10YR4/2	2	-	50	50	n	n	/	1	**2**	DR	
		30	50	LmS	10YR4/3	2		18	18	n	n					
		50	120	mS	5YR4/4	2		34	14	n	n					
							Total	**102**	**81**							
							MD	18	12							
						Droughtiness grade (DR)		2	1							
161	T	0	30	LmS	10YR4/2	2	-	38	38	n	n	/	1	**3a**	DR	
		30	60	mS	7.5YR4/3	2		19	21	n	n					
		60	120	mS	7.5YR4/4	2		29	7	n	n					
							Total	**86**	**66**							
							MD	2	-3							
						Droughtiness grade (DR)		3a	2							
162	T	0	30	LmS	10YR4/2	2	-	38	38	n	n	/	1	**3a**	DR	
		30	50	mS	7.5YR4/4	2		14	14	n	n					
		50	120	mS	7.5YR4/4	2		34	14	n	n					
							Total	**86**	**66**							
							MD	2	-3							
						Droughtiness grade (DR)		3a	2							
163	T	0	30	LmS	10YR4/2	2	-	38	38	n	n	/	1	**2**	DR TX	
		30	50	LmS	7.5YR4/4	2		18	18	n	n					
		50	120	mS	7.5YR4/4	2		34	14	n	n					
							Total	**90**	**70**							
							MD	6	1							
						Droughtiness grade (DR)		2	2							

Appendix 3: Site Photographs

Pit 1, deep coarse loamy and sandy soil.

Sandy loam topsoil.

Loamy sand upper subsoil.

Sand lower subsoil.

Pit 2, clay loam over SPL clay.

Coarse mottled clay upper subsoil.

Pit 2, coarse loamy and sandy over sandstone.

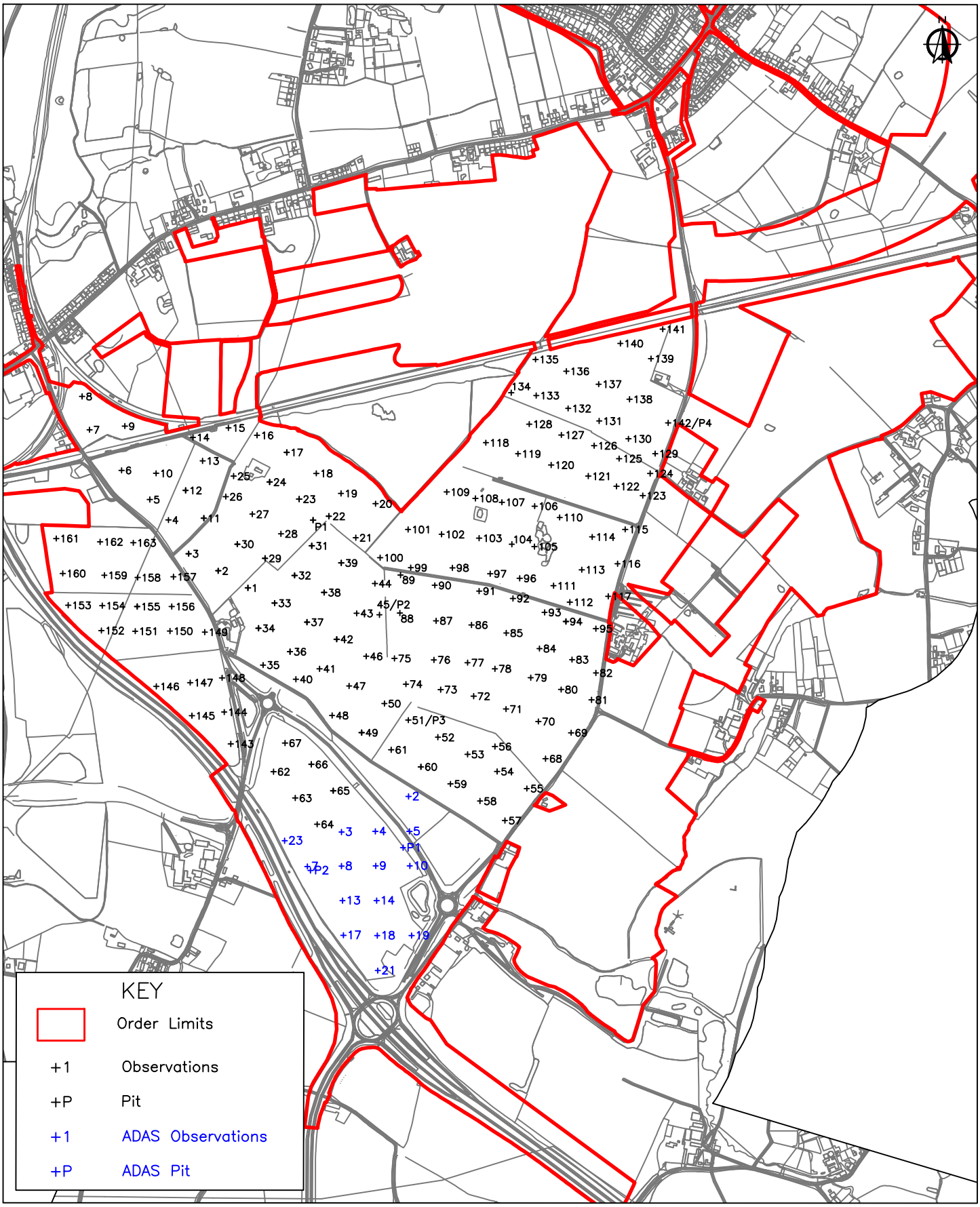
Sand upper subsoil.

Observation 5: typical auger arisings Soil Type 1.

Observation 56: typical auger arisings Soil Type 2.

Pit 4 topsoil over clay

Pit 4 mottled clay subsoil



SCALE 1:15,000

200m 0 200m 400m 600m

Drawing title	Ref.	Rev.			
OBSERVATION MAPPING	RAC/10470/1	C			
Contract	Drawn by	Checked by	C	Compound	1025
INTERMODAL LOGISTICS PARK NORTH RAIL FREIGHT INTERCHANGE AT LAND EAST OF NEWTON-LE-WILLOWS	AGM	AIF	B	Survey Phase 2	0825
	Scales	Date	A	Survey Phase 1	0824
	1:15,000@A4	10/2025	Rev.	Comment	Date

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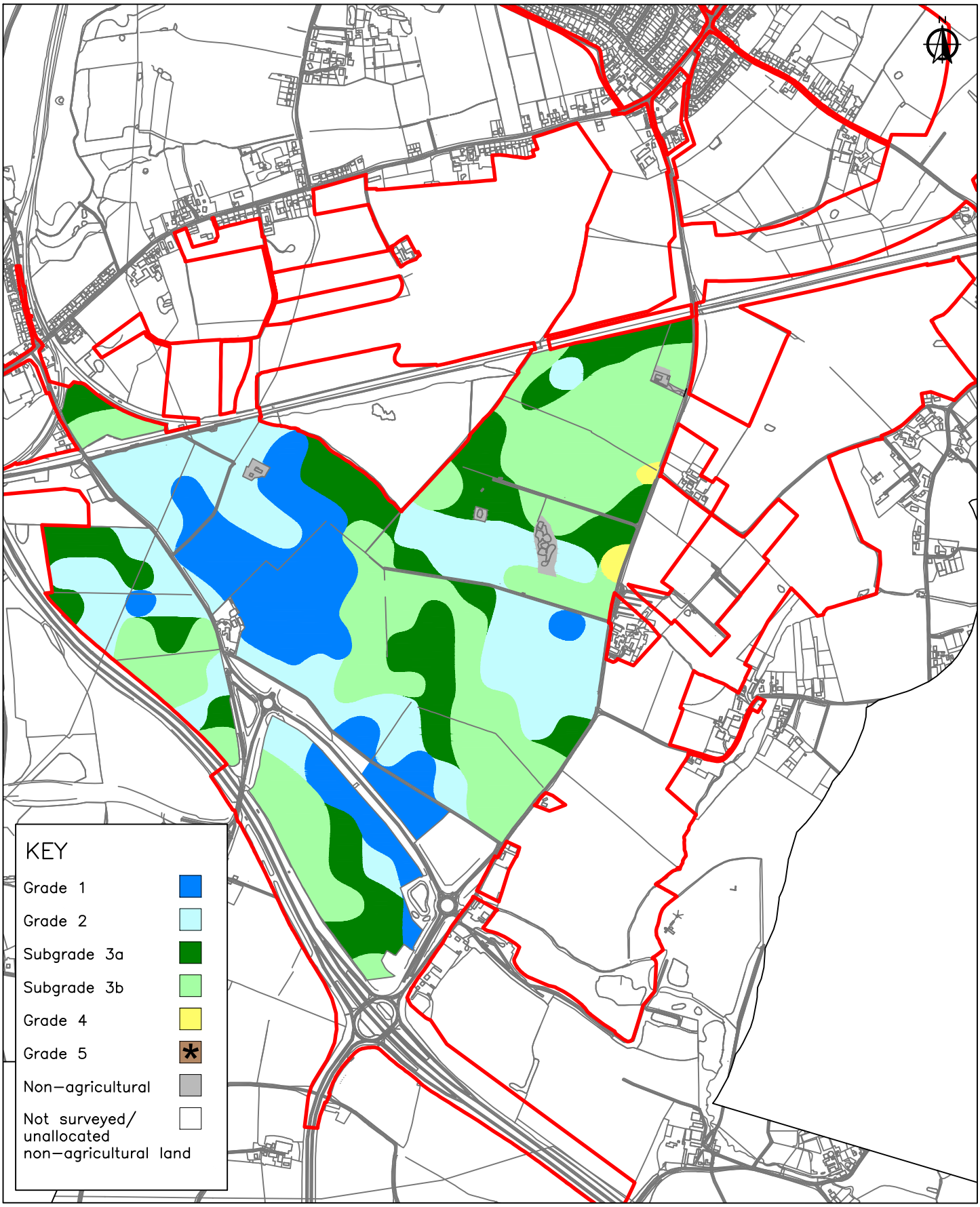

SCALE 1:15,000

200m 0 200m 400m 600m

Drawing title AGRICULTURAL LAND CLASSIFICATION	Ref. RAC/10470/2	Rev. C			
Contract INTERMODAL LOGISTICS PARK NORTH RAIL FREIGHT INTERCHANGE AT LAND EAST OF NEWTON–LE–WILLOWS	Drawn by AGM	Checked by AIF	C	Compound	1025
			B	Survey Phase 2	0825
	Scales 1:15,000@A4	Date 10/2025	A	Survey Phase 1	0824
			Rev.	Comment	Date

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