

**AGRICULTURAL LAND CLASSIFICATION  
RUGBY LOCAL PLAN, LOWER LODGE FARM**

***M WOOD***  
**Resource Planning Team**  
**ADAS Statutory Group**  
**WOLVERHAMPTON**

**ADAS Ref: 25/RPT/0537**  
**Job No: 061/94**  
**MAFF Ref: EL43/00018A**

## AGRICULTURAL LAND CLASSIFICATION REPORT FOR RUGBY LOCAL PLAN, LOWER LODGE FARM

### 1 SUMMARY

- 1.1 The Agricultural Land Classification (ALC) Survey for this site shows that the following proportions of ALC grades are present:

Grade/Subgrade	ha	% of site
3a	17.9	14
3b	98.5	75
Other land		
Agricultural buildings	0.5	0.5
Woodland	7.8	6
Non-Agricultural	2.6	2
Urban	0.5	0.5
Not Surveyed	2.8	2.0

- 1.2 The main limitation to the agricultural use of land in Subgrade 3a is soil wetness.
- 1.3 The main limitation to the agricultural use of land in Subgrade 3b is soil wetness.

### 2 INTRODUCTION

- 2.1 The site was surveyed by the Resource Planning Team in September 1994. An Agricultural Land Classification survey was undertaken according to the guidelines laid down in the "Agricultural Land Classification of England and Wales - Revised Guidelines and Criteria for Grading the Quality of Agricultural Land" (MAFF 1988).
- 2.2 The 130.6 ha site is situated to the north of Rugby and is centred upon Lower Lodge Farm (SP509783). The site is bounded by the M6 to the north and the A426 to the east. The land to the north, east and west of the site is predominantly in agricultural use, the land to the south is in non-agricultural and urban use.
- 2.3 The survey was requested by MAFF in connection with the Rugby Local Plan.
- 2.4 At MAFF Land Use Planning Unit's request this was a detailed grid survey at 1:10000 with a minimum auger boring density of 1 per hectare. The attached map is only accurate at the base map scale and any enlargement would be misleading.
- 2.5 At the time of the survey the site was under grass and cereals.

### 3 CLIMATE

3.1 The following interpolated data are relevant for the site (SP 508784):

Average Annual Rainfall (mm)	687
Accumulated Temperature above 0°C January to June (day °C)	1356

3.2 There is no overall climatic limitation on the site

3.3 Other relevant data for classifying land include:

Field Capacity Days (days)	158
Moisture Deficit Wheat (mm)	97
Moisture Deficit Potatoes (mm)	86

### 4 SITE

4.1 Three site factors of gradient, micro relief and flooding are considered when classifying land.

4.2 Gradient imposes a limitation to Subgrade 3b (7° to 11°) in the vicinity of Brownsover Hall Hotel, Lower Lodge Farm and Oak Spinney.

4.3 Micro relief and flooding do not impose any limitations on the agricultural use of the land.

### 5 GEOLOGY AND SOILS

5.1 The solid geology of the area is comprised of Jurassic Lower Lias Clays and Cement Stones - British Geological Survey Sheet 169 Coventry 1 Inch. This is overlain with deposits of Quaternary boulder clay.

5.2 The underlying geology influences the soils which have a clay loam texture.

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**CORRIGENDA**

Para 6.1.1, last line - delete ' IV ' and insert ' III '.

## 6 AGRICULTURAL LAND CLASSIFICATION

6.1 Subgrade 3a - occupies 17.9 ha (14%) of the survey area and is found in the north west and east of the site.

6.1.1 The soil typically has a medium clay loam or sandy clay loam texture over heavy clay loam and clay to depth, with few stones within the profile. Observations of gleying and the depth to the slowly permeable layer place these soils in Wetness Class ~~IV~~. Subsoils may occasionally contain chalky fragments.

~~III~~ MD) TYPOGRAPHICAL ERROR

6.1.2 The main limitation to the agricultural use is soil wetness.

6.2 Subgrade 3b - occupies 98.5 ha (75%) of the survey area and is found over the majority of the site.

6.2.1 The soil typically has heavy clay loam texture overlying clay to depth. Observations of gleying and the depth to the slowly permeable layer place these soils in Wetness Class IV. Subsoils may occasionally contain chalk fragments.

6.2.2 The main limitation to the agricultural use of this land is soil wetness.

6.3 Other land includes agricultural buildings which occupy 0.5 ha (0.5 %) of the survey area at Lower Lodge Farm; woodland - occupying 7.8 ha (6%) of the survey area; non-agricultural land covering 2.6 ha (2%) of the survey area near Brownsover Hall Hotel and urban - covering 0.5 ha (0.5%) of the survey area as a road and housing in the east of the site. The remainder of the land at Brownsover Hall (2.8 ha - 2%) was not surveyed.

#### 6.4 SUMMARY OF AGRICULTURAL LAND CLASSIFICATION GRADES

Grade/Sub-grade	Area in Hectares	% of Survey Area	% of Agricultural Land
3a	17.9	14	15
3b	98.5	75	85
Other land			
Agricultural Buildings	0.5	0.5	-
Woodland	7.8	6	-
Non-Agricultural	2.6	2	-
Urban	0.5	0.5	-
Not Surveyed	2.8	2	-
<b>Totals</b>	<b>130.6</b>	<b>100</b>	<b>100</b>

LOWER LODGE FARM - BORINGS

KEY

STRUC = STRUCTURE  
 WK = WEAKLY  
 MD = MODERATE  
 M = MEDIUM  
 C = COURSE  
 SB = SUB ANGULAR BLOCKY  
 AB = ANGULAR BLOCKY  
 PR = PRISMATIC  
 00MN00 = MANGANESE  
 CON = CONSISTENCE  
 FM = FIRM  
 FV= VERY FIRM  
 TOT ST = TOTAL STONE  
 ST > 2CM = STONES > 2 CM  
 ABUND = ABUNDANCE  
 GRDT = GRADIENT  
 WCLASS = WETNESS CLASS  
 W GRADE = WETNESS GRADE

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
1	mcl	10YR33 00	0-38	2	3	HR										
	hcl	10YR42 43	38-45	0	1	HR	10YR56 00	C		Y						
	c	05YR43 44	45-70	0	0		10YR56 00	F	05YR41 00	Y	Y	3	3	3A	WE	3A
2	mcl	25 Y42 43	0-30	2	3	HR										
	hcl	25 Y53 54	30-40	0	0		10YR56 00	M		Y						
	c	25 Y53 54	40-70	0	0		10YR56 00	C		Y	Y					
	c	25 Y42 43	70-100	0	0		10YR46 00	M	05BB51 00	Y	Y	4	4	3B	WE	3B
3	mcl	25 Y42 43	0-30	2	3	HR										
	c	25 Y53 54	30-70	0	0		10YR56 00	M		Y	Y					
	c	25 Y43 53	70-100	0	0		10YR56 00	C		Y	Y	6	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
4	mcl	25 Y42 43	0-28	2	3	HR	10YR56 00	F								
	c	25 Y53 54	28-100	0	0		10YR56 00	M	05BB51 00	Y	Y	4	4	3B	WE	3B
5	mcl	25 Y32 42	0-35	2	3	HR										
	c	25 Y53 54	35-60	0	0		10YR56 00	C	00MN00 00	Y	Y					
	c	25 Y43 42	60-100	0	0		10YR56 00	C		Y	Y	2	4	3B	WE	3B
6	mcl	25 Y42 43	0-28	2	3	HR										
	hcl	25 Y53 54	28-35	0	0		10YR56 46	C		Y	Y					
	c	25 Y53 54	35-60	0	0		75YR56 00	C		Y	Y					
	c	25 Y42 00	60-80	0	0		75YR56 00	C	75YR44 41	Y	Y	5	4	3B	WE	3B
7	hcl	25 Y43 00	0-30	2	3	HR										
	c	25 Y53 54	30-75	0	0		10YR56 00	M		Y	Y					
	c	25 Y42 43	75-100	0	1	MSST	75YR56 00	C		Y	Y	5	4	3B	WE	3B
8	mcl	25 Y42 00	0-25	2	3	HR										
	hcl	25 Y42 00	25-37	0	1	HR	10YR46 00	C		Y						
	sc	10YR53 44	37-55	0	1	HR	75YR56 00	C		Y	Y					
	c	25 Y42 00	55-100	0	1	MSST	75YR56 00	C		Y	Y	6	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
10	hcl	10YR42 00	0-26	0	0											
	hcl	10YR42 00	26-45	0	0		10YR46 00	C		Y						
	c	10YR41 00	45-70	0	0		10YR46 00	C		Y	Y	4	3	3B	WE	3B
11	hcl	10YR42 00	0-30	0	0											
	c	10YR53 00	30-55	0	0		10YR68 00	C		Y						
	c	10YR53 00	55-70	0	0		10YR68 00	M		Y	Y	2	3	3B	WE	3B
12	hcl	10YR42 00	0-30	0	0											
	hcl	10YR66 00	30-65	0	0		10YR61 00	C		Y						
	c	10YR41 00	65-80	0	0		10YR68 00	C		Y	Y	2	3	3B	WE	3B
13	hcl	10YR42 00	0-32	0	0											
	hcl	10YR42 00	32-55	0	0		10YR68 00	C		Y						
	c	10YR53 00	55-70	0	0		10YR68 00	C		Y	Y	2	3	3B	WE	3B
14	scl	75YR42 43	0-35	0	2	HR										
	hcl	10YR52 53	35-48	0	2	HR	75YR58 00	C		Y						
	c	75YR53 00	48-85	0	1	HR	75YR68 00	C		Y	Y					
	c	75YR61 53	85-100	0	0		10YR68 00	C		Y	Y		3	3A	WE	3A
15	mcl	25 Y42 43	0-28	2	3	HR										
	hcl	25 Y53 54	28-40	0	0		10YR56 00	C		Y						
	c	25 Y53 54	40-85	0	0		10YR56 00	C		Y	Y					
	hcl	25 Y53 54	85-100	0	0		75YR56 00	M		Y	Y	2	4	3B	WE	3B
16	mcl	25 Y43 00	0-33	2	3	HR										
	hcl	25 Y53 54	33-40	0	1	HR	10YR56 00	C	00MN00 00	Y						
	c	25 Y53 54	40-80	0	0		75YR56 00	C	00MN00 00	Y	Y		4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEYS	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
17	scl	75YR43 00	0-35	0	1	HR										
	hcl	10YR53 00	35-50	0	0		75YR58 00	C		Y						
	c	10YR52 53	50-80	0	0		75YR58 00	C		Y	Y					
	hcl	10YR53 00	80-100	0	2	HR	75YR68 00	M		Y	Y		3	3A	WE	3A
18	mcl	10YR42 00	0-30	0	0											
	c	10YR56 00	30-42	0	0		10YR68 00	C		Y						
	c	10YR62 00	42-80	0	0		10YR68 00	C		Y	Y	2	4	3B	WE	3B
19	hcl	10YR42 00	0-35	0	0											
	hcl	10YR53 00	35-48	0	0		10YR56 00	C		Y						
	c	10YR41 00	48-70	0	0		10YR68 00	C		Y	Y	7	3	3B	WE	3B
20	mcl	10YR42 00	0-32	0	5	HR										
	hcl	10YR53 00	32-60	0	0		10YR68 00	C		Y		5	3	3A	WE	3A
21	hcl	10YR42 00	0-32	0	0											
	hcl	10YR53 00	32-65	0	0		10YR68 00	C		Y		5	2	3A	WE	3A
22	mcl	10YR43 00	0-28	0	0											
	hcl	10YR56 00	28-42	0	0											
	hcl	10YR56 00	42-60	0	0		75YR56 00	C		Y		2	2	2	WE	2
23	mcl	10YR53 00	0-28	0	1	HR										
	c	10YR52 53	28-65	0	0		75YR58 00	M		Y	Y		4	3B	WE	3B
24	hcl	10YR52 00	0-38	0	1	HR	75YR58 00	C		Y						
	c	10YR52 53	38-70	0	0	Z	75YR58 00	M		Y	Y	2	4	3B	WE	3B
25	mcl	10YR53 00	0-26	0	1	HR										
	c	10YR52 51	26-85	0	0		75YR58 00	M		Y	Y					
	c	25YR52 42	85-120	0	0					Y	Y	5	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
26	mcl	10YR42 00	0-37	0	2	HR										
	c	10YR52 00	37-70	0	2	HR	10YR68 00	M		Y	Y	3	4	3B	WE	3B
27	scl	75YR52 53	0-35	0	3	HR										
	hcl	75YR53 00	35-75	0	1	HR	75YR58 00	C		Y						
	c	75YR53 00	75-100	0	0		75YR58 00	M		Y	Y	2	2	2	WE	2
28	scl	10YR42 43	0-35	0	2	HR	75YR58 00	F		Y						
	c	10YR52 00	35-45	0	2	HR	75YR58 00	C		Y						
	c	05YR51 52	45-70	0	2	HR	75YR58 00	M		Y	Y	2	3	3A	WE	3A
29	scl	75YR43 00	0-35	0	1	HR										
	scl	75YR53 54	35-45	0	1	HR	75YR58 00	C		Y						
	c	10YR52 53	45-70	0	0		75YR58 00	M		Y	Y		3	3A	WE	3A
30	mcl	10YR42 00	0-30	0	0											
	hcl	10YR53 00	30-52	0	0		10YR68 00	C		Y						
	c	10YR53 00	52-70	0	0		10YR68 00	M		Y	Y	1	3	3A	WE	3A
31	mcl	10YR42 00	0-30	0	0											
	c	10YR53 00	30-50	0	0		10YR68 00	C		Y		1	3	3A	WE	3A
32	mcl	10YR32 00	0-30	0	2	HR										
	hcl	10YR53 00	30-55	0	2	HR	75YR58 00	M		Y						
	c	25Y 51 00	55-100	0	0		75YR58 00	C		Y	Y		3	3A	WE	3A
33	mcl	10YR43 00	0-30	0	2	HR										
	c	10YR52 53	30-75	0	1	HR	75YR58 00	M		Y	Y		4	3B	WE	3B
34	mcl	10YR42 00	0-25	0	1	HR	75YR58 00	F								
	c	10YR52 00	25-50	0	0		10YR68 00	C		Y						
	c	25Y 52 00	50-100	0	0		75YR58 00	C		Y	Y	2	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEYS	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
35	mcl	75YR43 44	0-28	0	1	HR										
	hcl	05YR43 00	28-32	0	0		75YR58 00	C		Y						
	c	05YR42 00	32-70	0	2	HR	05YR58 00	M		Y	Y	4	4	3B	WE	3B
36	mcl	10YR53 00	0-38	0	2	HR	75YR58 00	F								
	hcl	10YR52 00	38-42	0	0		75YR58 00	C		Y						
	c	10YR52 53	42-100	0	0		75YR68 00	M		Y	Y	3	4	3B	WE	3B
37	mcl	75YR43 00	0-35	0	2	HR										
	hcl	10YR52 53	35-45	0	1	HR	75YR58 00	C		Y						
	c	10YR53 00	45-65	0	1	HR	75YR58 00	M		Y	Y					
	hcl	10YR53 00	65-80	0	1	HR	75YR58 00	M		Y	Y					
	scl	75YR54 00	80-100	0	0		75YR58 00	C		Y	Y	5	3	3A	WE	3A
38	mcl	75YR43 00	0-26	0	0											
	hcl	10YR52 53	26-35	0	1	HR	75YR58 00	C		Y						
	c	10YR52 53	35-85	0	0		75YR68 00	M		Y	Y					
	c	25Y 61 00	85-100	0	0		75YR58 00	C		Y	Y	2	4	3B	WE	3B
39	mcl	10YR43 00	0-32	0	2	HR	75YR58 00	F								
	hcl	75YR52 53	32-40	0	1	HR	75YR58 00	C		Y						
	c	75YR52 53	40-80	0	0		75YR58 00	M		Y	Y		4	3B	WE	3B
40	mcl	10YR43 00	0-35	0	0											
	mcl	10YR64 00	35-65	0	10	HR	10YR68 00	C		Y		1	2	2	WE	2
41	mcl	10YR42 00	0-35	0	0											
	c	10YR53 00	35-45	0	0		10YR68 00	C		Y						
	c	10YR64 00	45-60	0	0		10YR68 00	M		Y	Y	1	3	3A	WE	3A

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
42	mcl	10YR33 00	0-28	5	6	HR										
	hcl	25 Y42 53	28-50	0	1	HR	10YR56 00	C		Y						
	c	25 Y53 54	50-70	0	0		10YR56 00	C		Y	Y					
	c	05 B41 00	70-100	0	0		10YR56 00	M		Y	Y	5	3	3A	WE	3A
43	mcl	10YR43 00	0-30	5	6	HR										
	mcl	10YR53 54	30-45	0	0		10YR56 00	M		Y						
	hcl	10YR53 54	45-55	0	0		10YR56 00	C	00MN00 00	Y						
	c	25 Y53 54	55-80	0	0		10YR56 00	M	25 Y51 00	Y	Y					
	c	05 B41 00	80-100	0	0		75YR56 00	C		Y	Y	3	3	3A	WE	3A
44	mcl	10YR33 00	0-30	2	3	HR										
	hcl	10YR53 00	30-79	0	1	HR	75YR56 00	C		Y						
	c	05 B41 00	79-100	0	0		10YR56 00	C		Y	Y	5	2	2	WE	2
45	hcl	25 Y32 00	0-40	1	2	HR										
	c	10YR53 00	40-100	0	1	HR	75YR56 00	M	00MN00 00	Y	Y	5	4	3B	WE	3B
46	mcl	25 Y43 00	0-25	2	3	HR										
	c	10YR53 00	25-100	0	1	HR	10YR56 00	M		Y	Y	5	4	3B	WE	3B
47	hcl	10YR42 00	0-27	0	1	HR	75YR58 00	C		Y						
	c	10YR52 00	27-100	0	0		10YR68 00	M		Y	Y	5	4	3B	WE	3B
48	mcl	10YR42 43	0-28	0	2	HR	75YR58 00	F								
	hcl	10YR52 53	28-68	0	1	HR	75YR58 00	C		Y	Y					
	c	10YR52 00	68-100	0	0		75YR58 00	M		Y	Y	4	3	3A	WE	3A
49	mcl	10YR52 53	0-32	0	2	HR										
	hcl	10YR53 54	32-47	0	2	HR	75YR58 00	C		Y						
	c	10YR52 00	47-75	0	0		75YR58 00	M		Y	Y					
	c	05YR52 00	75-100	0	0		75YR58 00	M		Y	Y	6	3	3A	WE	3A

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
50	scl	10YR43 00	0-30	0	2	HR										
	scl	10YR53 52	30-44	0	2	HR	75YR58 00	M		Y						
	hcl	75YR53 00	44-75	0	2	HR	75YR58 00	C		Y						
	c	75YR52 00	75-120	0	0		75YR58 00	C		Y	Y		2	2	WE	2
51	hcl	10YR43 00	0-35	0	2	HR										
	c	05YR56 00	35-70	0	0		75YR58 00	C		Y	Y	3	4	3B	WE	3B
52	hcl	10YR42 00	0-35	0	4	HR										
	c	05YR46 00	35-55	0	2	HR	75YR58 00	C		Y	Y	1	4	3B	WE	3B
53	hcl	10YR42 00	0-28	0	2	HR										
	c	05YR46 00	28-35	0	1	HR	75YR58 00	F		Y						
	c	05YR54 00	35-70	0	1	HR	75YR58 00	C		Y	Y	6	4	3B	WE	3B
54	hcl	75YR32 00	0-35	0	2	HR										
	c	05YR52 00	35-85	0	1	HR	75YR58 00	F		Y	Y	7	4	3B	WE	3B
55	hcl	75YR43 00	0-38	0	1	HR										
	c	75YR52 00	38-56	0	1	HR	75YR58 00	F		Y	Y					
	hcl	10YR52 53	56-100	0	1	HR	75YR58 00	C		Y	Y	2	4	3B	WE	3B
56	mcl	75YR43 00	0-25	0	2	HR										
	c	05YR52 00	25-70	0	0		75YR58 00	C		Y	Y	4	4	3B	WE	3B
57	hcl	10YR52 42	0-25	0	1	HR										
	c	75YR52 00	25-50	0	0		75YR58 00	C		Y	Y					
	c	10YR52 61	50-100	0	0		10YR68 00	C		Y	Y	7	4	3B	WE	3B
58	mcl	10YR43 00	0-30	0	2	HR										
	hcl	10YR53 00	30-40	0	2	HR	75YR58 00	C		Y						
	c	10YR52 53	40-80	0	0		75YR58 00	M		Y	Y	5	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEYS	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
59	scl	10YR42 43	0-29	0	2	HR										
	hcl	10YR54 00	29-48	0	0		75YR58 00	F								
	c	75YR52 53	48-100	0	0		75YR58 00	M		Y	Y		3	3A	WE	3A
60	c	10YR42 00	0-35	0	2	HR										
	c	10YR52 53	35-40	0	0		75YR58 00	C		Y	Y					
	c	02 Y51 00	40-60	0	0		75YR58 00	C		Y	Y					
	c	05YR46 00	60-80	0	0		10YR58 71	M		Y	Y	4	4	3B	WE	3B
61	hcl	10YR43 00	0-30	0	2	HR										
	c	10YR52 53	30-60	0	2	HR	75YR58 00	F								
	c	10YR52 53	60-75	0	2	HR	75YR58 00	M		Y	Y					
	c	10YR53 00	75-100	0	1	HR	75YR58 00	M		Y	Y	4	2	3A	WE	3A
62	hcl	10YR42 00	0-30	0	2	HR										
	c	10YR52 00	30-35	0	0		75YR58 00	C		Y						
	c	10YR52 51	35-100	0	0		75YR58 00	C		Y	Y	2	4	3B	WE	3B
63	hcl	10YR42 00	0-28	0	2	HR										
	c	75YR54 00	28-38	0	0		75YR58 00	C		Y						
	c	05YR46 00	38-65	0	0		10YR58 61	C		Y	Y					
	c	05 Y51 00	65-100	0	0		10YR58 71	C		Y	Y	4	4	3B	WE	3B
64	hcl	10YR43 00	0-30	0	2	HR										
	c	10YR53 52	30-37	0	0		75YR58 00	C		Y						
	c	10YR52 53	37-60	0	0		75YR58 00	C		Y	Y					
	c	10YR52 53	60-80	0	0		75YR58 00	M		Y	Y	4	4	3B	WE	3B
65	hcl	75YR43 00	0-35	0	2	HR										
	c	05YR44 00	35-80	0	2	HR	10YR58 61	C		Y	Y	2	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEYS	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
66	hcl	10YR42 00	0-28	0	0											
	c	10YR52 53	28-35	0	0											
	c	10YR51 52	35-100	0	0		75YR58 00	C		Y	Y	2	4	3B	WE	3B
67	mcl	10YR42 00	0-30	0	2	HR										
	hcl	10YR52 53	30-65	0	2	HR	75YR58 00	C		Y						
	c	10YR53 52	65-100	0	2	HR	75YR58 00	M		Y	Y	2	3	3A	WE	3A
68	mcl	10YR42 00	0-28	0	2	HR										
	c	10YR52 53	28-35	0	2	HR	75YR58 00	C		Y						
	c	10YR52 53	35-50	0	2	HR	75YR58 00	C		Y	Y	2	4	3B	WE	3B
69	hcl	75YR52 51	0-38	0	2	HR	75YR58 00	C		Y						
	c	10YR52 53	38-48	0	1	HR	75YR58 00	C		Y	Y					
	c	25Y 51 00	48-100	0	0		75YR58 00	C		Y	Y		4	3B	WE	3B
70	hcl	75YR52 00	0-28	0	1	HR	75YR58 00	C		Y						
	c	10YR52 53	28-58	0	0		75YR58 00	M		Y	Y					
	c	25Y 61 52	58-100	0	0		75YR58 00	C		Y	Y		4	3B	WE	3B
71	hcl	75YR52 00	0-25	0	1	HR	75YR58 00	C		Y						
	c	10YR52 00	25-100	0	0		75YR58 00	C		Y	Y		4	3B	WE	3B
72	hcl	10YR51 52	0-28	0	1	HR	75YR58 00	F								
	c	10YR53 00	28-80	0	1	HR	75YR58 00	M		Y	Y	4	4	3B	WE	3B
73	hcl	10YR51 52	0-35	0	1	HR	75YR58 00	C		Y						
	c	10YR52 53	35-55	0	1	HR	75YR58 00	M		Y	Y					
	c	10YR61 52	55-100	0	0		75YR58 00	C		Y	Y	3	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEYS	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
74	scl	10YR43 00	0-25	0	1	HR										
	hcl	10YR53 00	25-62	0	0		75YR58 00	C		Y						
	c	10YR52 53	62-100	0	1	HR	75YR58 00	M		Y	Y	7	3	3A	WE	3A
75	mcl	10YR43 00	0-38	0	1	HR										
	hcl	10YR52 53	38-45	0	0		75YR58 00	M		Y						
	c	10YR52 61	45-100	0	0		75YR68 00	M		Y	Y	7	3	3A	WE	3A
76	scl	10YR43 53	0-25	0	1	HR	75YR58 00	F								
	c	10YR52 00	25-100	0	0		10YR68 00	M		Y	Y		4	3B	WE	3B
78	hcl	25 Y42 43	0-38	2	5	HR										
	c	25 Y53 54	38-50	0	2	GH	10YR56	C		Y	Y	6	4	3B	WE	3B
79	hcl	25 Y42 00	0-36	1	2	HR										
	c	10YR53 51	36-80	0	2	GS	10YR56 00	M	00MN00 00	Y	Y	7	4	3B	WE	3B
80	mcl	10YR33 00	0-39	1	2	HR										
	c	10YR53 54	39-100	0	2	GS	10YR56 00	C	00MN00 00	Y	Y	7	4	3B	WE	3B
81	cl	25 Y43 00	0-25	0	2	HR	10YR56 00	F								
	c	25 Y53 54	25-60	0	3	GS	10YR56 00	C		Y	Y	7	4	3B	WE	3B
83	mcl	10YR42 00	0-35	0	0		10YR68 00	C		Y						
	hcl	10YR62 00	35-58	0	0		10YR68 00	C		Y						
	c	10YR41 00	58-80	0	0		10YR68 00	C		Y	Y		3	3A	WE	3A
84	mcl	10YR53 00	0-38	0	0		10YR68 00	C		Y						
	c	10YR63 00	38-60	0	0		10YR68 00	C		Y	Y		4	3B	WE	3B
90	hcl	10YR42 00	0-30	0	0		10YR68 00	F								
	hcl	10YR52 00	30-46	0	0		10YR68 00	C		Y						
	c	10YR53 00	46-60	0	0		10YR58 00	C		Y	Y	2	3	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
91	mcl	10YR42 41	0-38	0	0		10YR68 00	C		Y						
	hcl	10YR53 00	38-60	0	0		10YR68 00	C		Y						
	c	10YR41 00	60-80	0	0		10YR68 00	C		Y	Y		3	3A	WE	3A
92	mcl	10YR42 00	0-40	0	0		10YR68 00	C		Y						
	c	10YR62 00	40-60	0	0		10YR68 00	C		Y	Y		4	3B	WE	3B
94	hcl	10YR41 51	0-35	1	2	HR	10									
	c	05 Y41 00	35-100	0	2	GS	10YR56 58	M		Y	Y	3	4	3B	WE	3B
95	hcl	10YR42 00	0-42	1	2	HR	10YR56 00	C	00MN00 00	Y						
	c	10YR53 54	42-80	0	1	HR	10YR56 58	M	00MN00 00	Y	Y	6	4	3B	WE	3B
96	hcl	10YR42 43	0-30	2	3	HR										
	c	75YR53 44	30-80	0	2	GS	10YR56 00	C	00MN00 00	Y	Y	5	4	3B	WE	3B
97	hcl	25 Y42 00	0-45	2	3	HR	10YR56 00	F								
	c	10YR53 54	45-80	0	1	GS	10YR56 00	C	00MN00 00	Y	Y	6	3	3B	WE	3B
98	hcl	10YR42 00	0-30	0	0		10YR68 00	C		Y						
	c	10YR53 00	30-50	0	0		10YR58 00	C		Y	Y	6	4	3B	WE	3B
99	mcl	10YR42 00	0-30	0	0		10YR68 00	C		Y						
	c	10YR63 00	30-50	0	0		10YR68 00	C		Y	Y		4	3B	WE	3B
100	hcl	10YR52 00	0-36	0	0		10YR56 00	C		Y						
	hcl	10YR53 00	36-48	0	0		10YR56 00	C		Y						
	c	10YR53 00	48-80	0	0		10YR58 00	C		Y	Y		3	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEYS	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
102	hcl	10YR42 43	0-20	1	2	HR	10YR56 00	F								
	hcl	10YR42 00	20-25	0	0											
	c	10YR53 54	25-60	0	1	HR	10YR56 58	M		Y	Y					
	sc	10YR53 54	60-80	0	5	HR	10YR58 00	M		Y	Y					
	scl	10YR53 54	80-100	0	0		10YR56 00	M		Y	Y	4	4	3B	WE	3B
103	hcl	10YR42 00	0-30	2	3	HR										
	c	10YR51 53	30-50	0	1	GS	10YR56 00	F		S						
	c	75YR53 44	50-80	0	1	GS	10YR56 00	M		Y	Y	7	3	3B	WE	3B
104	mcl	10YR43 00	0-40	0	0											
	hcl	10YR42 00	40-55	0	0		10YR68 00	C		Y						
	c	10YR53 00	55-80	0	0		10YR56 00	C		Y	Y	2	3	3A	WE	3A
105	mcl	10YR42 00	0-30	0	0											
	c	10YR53 00	30-45	0	0		10YR68 00	C		Y						
	c	10YR53 00	45-60	0	0		10YR56 00	C		Y	Y	3	3	3A	WE	3A
106	mcl	10YR42 00	0-20	0	5	HR										
	hcl	10YR41 00	20-38	0	0		10YR56 00	C		Y						
	c	10YR53 00	38-60	0	0		10YR68 00	C		Y	Y	2	4	3B	WE	3B
107	mcl	10YR43 00	0-30	0	0											
	hcl	10YR53 00	30-75	0	0		10YR56 00	C		Y						
	c	10YR53 00	75-90	0	0		10YR58 00	C		Y	Y	2	2	2	WE	2
108	hcl	10YR53 54	0-30	1	2	HR	10YR58 00	M		Y						
	c	25 Y52 53	30-70	0	0		10YR58 00	M		Y	Y					
	c	05 Y52 00	70-100	0	0		10YR58 00	M		Y	Y	2	4	3B	WE	3B
109	mcl	10YR42 43	0-38	1	3	HR										
	c	75YR53 44	38-100	0	0		10YR58 00	M	75YR51 00	Y	Y	7	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
110	mcl	10YR43 00	0-25	1	2	HR										
	hcl	10YR42 43	25-37	0	1	HR	10YR56 00	F		S						
	c	75YR53 44	37-55	0	1	HR	10YR56 00	C		Y	Y	7	4	3B	WE	3B
111	mcl	10YR43 00	0-28	0	0											
	c	10YR53 00	28-50	0	0		10YR58 00	C		Y	Y	3	4	3B	WE	3B
112	hcl	10YR42 00	0-30	0	0											
	c	10YR53 00	30-50	0	0		10YR58 00	C		Y	Y	3	4	3B	WE	3B
113	mcl	10YR42 00	0-30	0	5	HR										
	c	10YR53 00	30-80	0	5	HR	10YR68 00	C		Y		2	2	2	WE	2
115	hcl	25 Y42 43	0-20	1	2	HR	10YR56 00	F		S						
	c	25 Y52 53	20-50	0	0		10YR58 00	M		Y	Y					
	c	05 Y52 00	50-100	0	0		10YR58 00	M	05 B51 00	Y	Y	6	4	3B	WE	3B
116	mcl	10YR43 00	0-25	1	2	HR										
	hcl	75YR53 54	25-35	0	1	HR	10YR56 58	M		Y						
	c	05YR44 00	35-50	0	0		10YR58 00	C	75YR51 00	Y	Y	8	4	3B	GRW	3B
117	mcl	10YR43 00	0-30	0	0											
	c	10YR53 00	30-50	0	5	HR	10YR56 00	C		Y						
	c	10YR52 00	50-70	0	10	CH	10YR58 00	C		Y	Y	3	3	3A	WE	3A
118	mcl	10YR43 00	0-30	0	0											
	c	10YR53 00	30-60	0	0											
	c	10YR52 00	60-80	0	0		10YR56 00	C		Y	Y	3	2	2	WE	2
120	hcl	25 Y42 43	0-30	1	2	HR	10YR56 00	M		Y						
	c	25 Y42 00	30-60	0	0		10YR56 00	M	25 Y52 00	Y	Y					
	c	05 Y52 53	60-100	0	0		10YR58 00	M	05 B51 00	Y	Y	7	4	3B	WE	3B

BORING	TEXTURE	COLOUR	DEPTH	ST > 2CM	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	SPL	GRADT	WCLASS	W GRADE	LIMIT	GRADE
121	hcl	10YR42 53	0-43	1	2	HR	10YR58 00	M		Y						
	c	25 Y52 53	43-100	0	0		10YR58 00	M	05 Y52 00	Y	Y	5	3	3B	WE	3B
122	mcl	10YR43 00	0-28	0	0											
	c	10YR53 00	28-60	0	0		10YR58 00	C		Y	Y	3	4	3B	WE	3B
123	mcl	10YR42 43	0-26	1	2	HR	10YR56 00	C		Y						
	c	25 Y52 43	26-100	0	1	GS	10YR58 00	M		Y	Y	2	4	3B	WE	3B
124	mcl	10YR42 32	0-25	1	2	HR	10YR56 00	C		Y						
	c	25 Y52 42	25-80	0	1	GS	10YR58 00	M	05 Y52 00	Y	Y	3	4	3B	WE	3B

LOWER LODGE FARM - PITS

BORING	TEXTURE	COLOUR	DEPTH	TOT ST	LITH	MOTTLES	ABUND	PED	GLEY	STRUC	CON	DRGTST	POROUS	SPL	WCLASS	LIMIT	GRADE
1P	mcl	10YR42 43	0-30	5	HR												
	hcl	10YR51 43	30-45	5	HR	10YR56 00	C		Y	MDMSB	FM	G					
	c	25 Y53 61	45-77	4	GH	10YR56 00	M		Y	MDCAB	FV	P	Y	Y			
	c	25 Y53 61	77-120	4	GH	10YR56 00	M		Y	MDCAB	FV	P	Y	Y	3	WE	3A
2P	mcl	10YR42 32	0-30	1	HR	75YR68 00	F										
	hcl	10YR52 00	30-54	1	HR	10YR58 00	C		Y	MDMSB	FM	G					
	c	25 Y52 00	54-85	1	HR	75YR58 00	M	00N 06	Y	MDCPR	FM	P	Y	Y			
	msl	75YR56 58	85-120	0					Y			M		Y	3	WE	3A
3P	hcl	10YR42 43	0-30	2	HR	10YR56 00	F										
	c	10YR52 53	30-54	1	HR	10YR58 00	M	00MN00	Y	MDCAB	FM	P					
	c	10YR52 53	54-120	1	GH	10YR58 00	M	00MN00	Y	MDCAB	FM	P	Y	Y	3	WE	3B
4P	scl	75YR42 00	0-28	1	HR	75YR68 00	F										
	hcl	10YR53 00	28-48	1	HR	75YR58 00	C		Y	MDMSB	FM	G					
	c	10YR52 61	48-95	1	HR	75YR58 00	M		Y	MDCPR	FM	P	Y	Y			
	hcl	10YR52 61	95-120	1	HR	75YR68 00	M		Y			P		Y	3	WE	3A
5P	mcl	25 Y51 00	0-20	0		75YR58 00	C		Y								
	c	05 Y61 00	20-70	0		75YR68 00	M	00 N06	Y	MDCPR	FV	P		Y	4	WE	3B
6P	hcl	10YR42 00	0-25	3	HR			25 Y42									
	c	10YR52 53	25-40	2	HR	10YR56 00	C	00 N06	Y	MDCSB	FM	M					
	c	10YR52 53	40-67	3	GH	10YR56 00	M	00 N06	Y	MDCAB	FV	P	Y	Y			
	c	10YR52 53	67-110	2	HR	10YR56 00	M	00 N06	Y	WKCAB	FV	P	Y	Y	4	WE	3B