

**A1**  
**Basingstoke And Deane Borough Local Plan**  
**Site 21: Wildwood Farm**  
**Agricultural Land Classification**  
**Alc Map And Report**  
**July 1993**

**BASINGSTOKE AND DEANE BOROUGH LOCAL PLAN  
SITE 21: WILDWOOD FARM, OLD BASING  
AGRICULTURAL LAND CLASSIFICATION REPORT**

**1. SUMMARY**

- 1.1 In May 1993, a detailed Agricultural Land Classification (ALC) survey was made on approximately 118 hectares of land at Wildwood Farm, Old Basing, to the east of Basingstoke in Hampshire.
- 1.2 The work was conducted by members of the Resource Planning Team in the Guildford Statutory Group of ADAS in response to a commission by MAFF's Land Use Planning Unit to provide information on the quality of agricultural land affected by proposals for development in the Basingstoke and Deane Borough Local Plan.
- 1.3 The classification has been made using MAFF's revised guidelines and criteria for grading the quality of agricultural land (MAFF, 1988). These guidelines provide a framework for classifying land according to the extent to which its physical or chemical characteristics impose long-term limitations on its use for agriculture.
- 1.4 The fieldwork was carried out with an observation density of approximately one per hectare. A total of 90 borings and 3 soil pits were examined.
- 1.5 The table below provides the details of the grades found across the site. The majority of the land is classified as moderate quality. The key limitation is soil wetness. The small area of very good quality land (Grade 2) is classified by a minor wetness limitation evidenced by shallow gleying in the soil profile. The area of good quality (Subgrade 3a) land is also affected by soil wetness, this is evidenced by gleyed horizons which lie over deep slowly permeable clay layers. The majority of the site is characterised by moderate quality (Subgrade 3b) land, limited by soil wetness caused by a shallow slowly permeable clay layer such that Wetness Class IV (see Appendix II) is appropriate. Occasionally within this area, isolated areas of higher grade land were encountered.

Table 1 : Distribution of Grades and Subgrades

<u>Grade</u>	<u>Area (ha)</u>	<u>% of Site</u>	<u>% of Agricultural area</u>
2	2.2	1.9	2.5
3a	5.1	4.3	5.8
3b	80.4	68.1	<u>91.7</u>
			100% (87.7 ha)
Non Agricultural (inc. Open Water)	1.2	1.0	
Woodland	26.8	22.7	
Urban	1.0	0.9	
Agricultural Buildings	<u>1.3</u>	<u>1.1</u>	
Total Area of site	118.0	100%	

- 1.6 The distribution of the ALC grades is shown on the attached map. The information is presented at a scale of 1:10,000; it is accurate at this level but any enlargement would be misleading. This map supersedes any previous ALC information for this site.
- 1.7 At the time of the survey the land on the site was under a combination of cereal crops, oilseed rape and grass leys.
- 1.8 A general description of the grades and subgrades is provided as an appendix. The main classes are described in terms of the type of limitation that can occur, the typical cropping range and the expected level and consistency of yield.

## 2. CLIMATE

- 2.1 The climatic criteria are considered when classifying land as climate can be overriding in the sense that severe limitations will restrict land to low grades irrespective of favourable site or soil conditions.
- 2.2 The main parameters used in the assessment of an overall climatic limitation are annual average rainfall, as a measure of overall wetness, and accumulated temperature, as a measure of the relative warmth of a locality.
- 2.3 A detailed assessment of the prevailing climate was made by interpolation from a 5 km gridpoint dataset (Met. Office, 1989). The details are given in the table below and these show that there is no overall climatic limitation affecting the site.
- 2.4 No local climatic factors such as exposure or frost risk affect the site. However climatic and soil factors interact to influence soil wetness and droughtiness limitations.

Table 2 : Climatic Interpolations

Grid Reference:	SU671536	SU678539	SU678530
Altitude (m):	75	85	95
Accumulated Temperature (days):	1447	1436	1424
Average Annual Rainfall (mm):	741	742	756
Field Capacity (days):	159	159	162
Moisture Deficit, Wheat (mm):	106	104	102
Moisture Deficit, Potatoes (mm):	98	96	93
Overall Climatic Grade:	1	1	1

## 3. RELIEF

- 3.1 The land lies between 75 m and 95 m AOD. The highest land is towards the south of the site falling gently away to the north, east and west, where gradient has no effect on the agricultural land quality. In the extreme south however, a small area on Hodds Hill is steep enough to restrict the land quality.

#### 4. GEOLOGY AND SOIL

- 4.1 The British Geological Survey published map, Sheet 284 Basingstoke (1:50,000, 1981) shows the majority of the site to be underlain by Tertiary London Clay, with a small area in the south underlain with Tertiary Reading Beds, mottled sandy clay deposits.
- 4.2 The main soil type that occurs on the site, according to the published map, Soils of South East England (SSEW, 1983, Sheet 6, 1:250,000), is the Wickham 4 association, a seasonally waterlogged soil with slowly permeable subsurface horizons. Many of the soils encountered at this site broadly agree with this description.

#### 5. AGRICULTURAL LAND CLASSIFICATION

- 5.1 Table 1 provides the details of the area measurements for each grade and the distribution of each grade is shown on the attached ALC map.
- 5.2 The location of the soil observation points are shown on the attached sample point map.

##### 5.3 Grade 2

This small area of very good quality land towards the east of the site is limited to a slight degree by soil wetness. This is evidenced by groundwater gleying in the stoneless heavy clay loam upper subsoil, which underlies a very slightly stony medium clay loam topsoil. The heavy clay loam subsoil extends to depth occasionally becoming a permeable clay deep in the profile, such that Wetness Class II (see Appendix II) is appropriate. This in combination with the local climatic regime and the workability of the medium textured topsoil leads to a Grade 2 classification.

##### 5.4 Subgrade 3a

This area of good quality land towards the east of the site is wetness limited to a slightly greater degree than that described above in para 5.3. The limitation is evidenced by gleying in the very slightly stony heavy clay loam upper subsoil (above 40 cm) which underlies a very slightly stony medium clay loam topsoil. These lie over a slowly permeable clay horizon occurring at moderate depth (between 43 and 69 cm), which given local climatic conditions means that Wetness Class III (see Appendix II) is appropriate. Such a drainage status combined with the medium textured topsoils gives rise to Subgrade 3a being applied. There is a greater restriction to agricultural use than for land graded 2.

##### 5.5 Subgrade 3b

This moderate quality land covers the majority of the site. Much of this area is limited by soil wetness, but there is a variation in drainage status across the site. Most of the profiles are similar, typically comprising a very slightly stony medium

clay loam topsoil over either a gleyed heavy clay loam upper subsoil or directly over clay becoming slowly permeable at shallow depth. Soils are thus assigned to Wetness Class IV. However some areas are placed in this grade because they have a clay topsoil over a gleyed medium clay loam subsoil, which is not slowly permeable and so assigned to Wetness Class II (see Appendix II). The clay topsoil is likely to remain saturated for long periods so reducing the number of days where cultivation and/or grazing is possible such that Subgrade 3b is appropriate as a result of a workability restriction.

A small area to the extreme south of the site on the flanks of Hodds Hill is limited to this grade by gradients between 7.5 and 10 degrees. These slopes affect the safe and efficient use of farm machinery and increase the susceptibility of soil to erosion when cultivated. Subgrade 3b is appropriate.

- 5.6 Soil wetness adversely affects plant growth, partly by affecting seed germination and survival, and/or reducing soil temperature, and/or causing anaerobism. It also inhibits the development of a good root system. In addition it can affect sensitivity to structural damage by trafficking such that there is a limitation on the number of days when cultivation by machinery or livestock grazing is possible.
- 5.7 The areas marked as non-agricultural include, two unmetalled tracks partially enclosed by fencing, along with a section of a field that is fenced off and used for horse training. In addition, rough grassland, which is in the process of conversion to garden alongside Frogs Castle and two areas of scrub, to the extreme north of the site and alongside Hodds Farm agricultural buildings, are mapped as non-agricultural. A section of a field alongside Hodds Farm, being used as a dump for agricultural waste has also been assigned to this land use category. The area marked as open water is an enclosed pond towards the west of the site. The areas marked as woodland are mature and mixed, partly being used for game rearing purposes.
- 5.8 The areas marked as urban include sections of metalled tracks that cross the site allowing vehicular access to both the agricultural areas and buildings as well as the two residences within the surveyed area.

ADAS Ref: 1501/037/93  
MAFF Ref: 15/144

Resource Planning Team  
Guildford Statutory Group  
ADAS Reading

## SOURCES OF REFERENCE

- \* British Geological Survey (1981), Sheet No. 284, Basingstoke 1:50,000.
- \* MAFF (1988), Agricultural Land Classification of England and Wales : Revised guidelines and criteria for grading the quality of agricultural land.
- \* Meteorological Office (1989), Climatological Data for Agricultural Land Classification.
- \* Soil Survey of England and Wales (1983), Sheet No. 6, Soils of South East England, 1:250,000.
- \* Soil Survey of England and Wales (1984), Soils and their use in South East England. Bulletin No.15.

## APPENDIX I

### DESCRIPTION OF THE GRADES AND SUB-GRADES

#### **Grade 1 : Excellent Quality Agricultural Land**

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

#### **Grade 2 : Very Good Quality Agricultural Land**

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

#### **Grade 3 : Good To Moderate Quality Agricultural Land**

Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. When 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.

#### **Sub-grade 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 the level of yields. It is mainly suited to grass with occasional arable crops (eg. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. the grade also includes very droughty arable land.

#### **Grade 5 : Very Poor Quality Agricultural Land**

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

## **Urban**

Built-up or 'hard' uses with relatively little potential for a return to agriculture : housing, industry, commerce, education, transport, religious buildings, cemeteries. Also, hard-surfaced sports facilities, permanent caravan sites and vacant land; all types of derelict land, including mineral workings which are only likely to be reclaimed using derelict land grants.

## **Non-agricultural**

'Soft' uses where most of the land could be returned relatively easily to agriculture, including : private parkland, public open spaces, sports fields, allotments and soft-surfaced areas on airports/airfields. Also active mineral workings and refuse tips where restoration conditions to 'soft' after-uses may apply.

## **Woodland**

Includes commercial and non-commercial woodland.

## **Agricultural Buildings**

Includes the normal range of agricultural buildings as well as other relatively permanent structures such as glasshouses. Temporary structures (eg. polythene tunnels erected for lambing) may be ignored.

## **Open Water**

Includes lakes, ponds and rivers as map scale permits.

## **Land Not Surveyed**

Agricultural land which has not been surveyed.

Where the land use includes more than one of the above, eg. buildings in large grounds, and where map scale permits, the cover types may be shown separately. Otherwise, the most extensive cover type will be shown.



## APPENDIX II

### DEFINITION OF SOIL WETNESS CLASSES

#### Wetness Class I

The soil profile is not wet within 70cm depth for more than 30 days in most years.

#### Wetness Class II

The soil profile is wet within 70cm depth for 31-90 days in most years or, if there is no slowly permeable layer within 80cm depth, it is wet within 70cm for more than 90 days, but not wet within 40cm depth for more than 30 days in most years.

#### Wetness Class III

The soil profile is wet within 70cm depth for 91-180 days in most years or, if there is no slowly permeable layer within 80cm depth, it is wet within 70cm for more than 180 days, but only wet within 40cm depth for 31-90 days in most years.

#### Wetness Class IV

The soil profile is wet within 70cm depth for more than 180 days but not wet within 40cm depth for more than 210 days in most years or, if there is no slowly permeable layer within 80cm depth, it is wet within 40cm depth for 91-210 days in most years.

#### Wetness Class V

The soil profile is wet within 40cm depth for 211-335 days in most years.

#### Wetness Class VI

The soil profile is wet within 40cm depth for more than 335 days in most years.

(The number of days is not necessarily a continuous period. 'In most years' is defined as more than 10 out of 20 years.)

## APPENDIX III

### SOIL PIT AND SOIL BORING DESCRIPTIONS

- Contents :
- \* Soil Abbreviations : Explanatory Note
  - \* Soil Pit Descriptions
  - \* Database Printout : Boring Level Information
  - \* Database Printout : Horizon Level Information

## SOIL PROFILE DESCRIPTIONS : EXPLANATORY NOTE

Soil pit and auger boring information collected during ALC fieldwork is held on a database. This has commonly used notations and abbreviations as set out below.

### Boring Header Information

1. GRID REF : national grid square and 8 figure grid reference.

2. USE : Land use at the time of survey. The following abbreviations are used.

ARA : Arable    WHT : Wheat    BAR : Barley    CER : Cereals    OAT : Oats    MZE : Maize    OSR : Oilseed rape  
BEN : Field Beans    BRA : Brassicae    POT : Potatoes    SBT : Sugar Beet    FCD : Fodder Crops    LIN : Linseed  
FKT : Soft and Top Fruit    HRT : Horticultural Crops    PGR : Permanent Pasture    LEY : Ley Grass    RGR : Rough Grazing  
SCR : Scrub    CFW : Coniferous Woodland    DCW : Deciduous Woodland    HTH : Heathland    BOG : Bog or Marsh  
FLW : Fallow    PLO : Ploughed    SAS : Set aside    OTH : Other

3. GRDNT : Gradient as measured by a hand-held optical clinometer.

4. GLEY/SPL : Depth in cm to gleying or slowly permeable layers.

5. AP (WHEAT/POTS) : Crop-adjusted available water capacity.

6. MB (WHEAT/POTS) : Moisture Balance.

7. DRT : Best grade according to soil droughtiness.

8. If any of the following factors are considered significant, an entry of 'Y' will be entered in the relevant column.

MREL : Microrelief limitation    FLOOD : Flood risk    EROSN : Soil erosion risk    EXP : Exposure limitation    FROST : Frost  
DIST : Disturbed land    CHEM : Chemical limitation

9. LIMIT : The main limitation to land quality. The following abbreviations are used.

OC : Overall Climate    AE : Aspect    EX : Exposure    FR : Frost Risk    GR : Gradient    MR : Microrelief  
FL : Flood Risk    TX : Topsoil Texture    DP : Soil Depth    CH : Chemical    WE : Wetness    WK : Workability  
DR : Drought    ER : Soil Erosion Risk    WD : Combined Soil Wetness/Droughtiness    ST : Topsoil Stoniness

### Soil Pits and Auger Borings

1. TEXTURE : soil texture classes are denoted by the following abbreviations.

S : Sand    LS : Loamy Sand    SL : Sandy Loam    SZL : Sandy Silt Loam    CL : Clay Loam    ZCL : Silty Clay Loam  
SCL : Sandy Clay Loam    C : Clay    SC : Sandy Clay    ZC : Silty Clay    OL : Organic Loam    P : Peat    SP : Sandy Peat  
LP : Loamy Peat    PL : Peaty Loam    PS : Peaty Sand    MZ : Marine Light Silts

For the sand, loamy sand, sandy loam and sandy silt loam classes, the predominant size of sand fraction will be indicated by the use of prefixes.

F : Fine (more than 66% of the sand less than 0.2mm)  
M : Medium (less than 66% fine sand and less than 33% coarse sand)  
C : Coarse (more than 33% of the sand larger than 0.6mm)

The clay loam and silty clay loam classes will be sub-divided according to the clay content.

M : Medium (<27% clay)    H : Heavy (27-35% clay)

2. **MOTTLE COL** : Mottle colour

3. **MOTTLE ABUN** : Mottle abundance, expressed as a percentage of the matrix or surface described.

F : few <2%    C : common 2-20%    M : many 20-40    VM : very many 40% +

4. **MOTTLE CONT** : Mottle contrast

F : faint - indistinct mottles, evident only on close inspection    D : distinct - mottles are readily seen

P : prominent - mottling is conspicuous and one of the outstanding features of the horizon

5. **PED. COL** : Ped face colour

6. **STONE LITH** : One of the following is used.

HR : all hard rocks and stones    MSST : soft, medium or coarse grained sandstone

SI : soft weathered igneous or metamorphic    SLST : soft oolitic or dolimitic limestone

FSST : soft, fine grained sandstone    ZR : soft, argillaceous, or silty rocks    CH : chalk

GH : gravel with non-porous (hard) stones    GS : gravel with porous (soft) stones

Stone contents (> 2cm, > 6cm and total) are given in percentages (by volume).

7. **STRUCT** : the degree of development, size and shape of soil peds are described using the following notation:

- degree of development    WK : weakly developed    MD : moderately developed    ST : strongly developed

- ped size    F : fine    M : medium    C : coarse    VC : very coarse

- ped shape    S : single grain    M : massive    GR : granular    AB : angular blocky    SAB : sub-angular blocky    PR : prismatic  
PL : platy

8. **CONSIST** : Soil consistence is described using the following notation:

L : loose    VF : very friable    FR : friable    FM : firm    VM : very firm    EM : extremely firm    EH : extremely hard

9. **SUBS STR** : Subsoil structural condition recorded for the purpose of calculating profile droughtiness.

G : good    M : moderate    P : poor

10. **POR** : Soil porosity. If a soil horizon has less than 0.5% biopores > 0.5 mm, a 'Y' will appear in this column.

11. **IMP** : If the profile is impenetrable a 'Y' will appear in this column at the appropriate horizon.

12. **SPL** : Slowly permeable layer. If the soil horizon is slowly permeable a 'Y' will appear in this column.

13. **CALC** : If the soil horizon is calcareous, a 'Y' will appear in this column.

14. Other notations

APW : available water capacity (in mm) adjusted for wheat

APP : available water capacity (in mm) adjusted for potatoes

MBW : moisture balance, wheat

MBP : moisture balance, potatoes

SOIL PIT DESCRIPTION

Site Name : WILDWOOD BASING LP S 21 Pit Number : 1P

Grid Reference: SU67665390 Average Annual Rainfall : 742 mm  
 Accumulated Temperature : 1436 degree days  
 Field Capacity Level : 159 days  
 Land Use : Cereals  
 Slope and Aspect : degrees

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 20	C	25Y 42 00	0	3		
20- 58	C	25Y 62 00	0	0	M	MCAB

Wetness Grade : 3B Wetness Class : IV  
 Gleying : 020 cm  
 SPL : 020 cm

Drought Grade : APW : mm MBW : 0 mm  
 APP : mm MBP : 0 mm

FINAL ALC GRADE : 3B  
 MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : WILDWOOD BASING LP S 21 Pit Number : 2P

Grid Reference: SU67185333 Average Annual Rainfall : 742 mm  
 Accumulated Temperature : 1436 degree days  
 Field Capacity Level : 159 days  
 Land Use : Ley  
 Slope and Aspect : 01 degrees NE

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 27	C	75YR56 00	3	24	F	
27- 52	MCL	25Y 42 00	0	2	C	MDCSAB
52- 80	MCL	10YR63 00	0	0	C	MDCSAB

Wetness Grade : 3B Wetness Class : II  
 Gleying : 027 cm  
 SPL : No SPL

Drought Grade : 3A APW : 102mm MBW : -2 mm  
 APP : 104mm MBP : 8 mm

FINAL ALC GRADE : 3B  
 MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name : WILDWOOD BASING LP S 21 Pit Number : 3P

Grid Reference: SU68075350 Average Annual Rainfall : 742 mm  
 Accumulated Temperature : 1436 degree days  
 Field Capacity Level : 159 days  
 Land Use : Barley  
 Slope and Aspect : degrees

HORIZON	TEXTURE	COLOUR	STONES >2	TOT.STONE	MOTTLES	STRUCTURE
0- 23	MCL	10YR53 00	1	10	F	
23- 42	C	10YR52 00	0	40	M	
42- 63	C	75YR52 00	0	0	M	WMAB

Wetness Grade : 3B Wetness Class : IV  
 Gleying : 023 cm  
 SPL : 042 cm

Drought Grade : APW : mm MBW : 0 mm  
 APP : mm MBP : 0 mm

FINAL ALC GRADE : 3B  
 MAIN LIMITATION : Wetness

SAMPLE NO.	GRID REF	ASPECT USE	--WETNESS--				-WHEAT-		-POTS-		M.REL		EROSN	FROST	CHEM	ALC	COMMENTS
			GRDNT	GLEY	SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLOOD	EXP	DIST	LIMIT	
1P	SU67665390	CER		020	020	4	3B		0	0				WE	3B	SPL 20	
2	SU67905400	MZE N	01	030	030	4	3B		0	0				WE	3B	SPL 30	
2P	SU67185333	LEY NE	01	027		2	3B	102	-2	104	8	3A		WE	3B	C TOP	
3	SU68005400	MZE N	01			1	2	065	-39	065	-31	3B		WE	3B	SPL 28 SEE 3P	
3P	SU68075350	BAR		023	042	4	3B		0	0				WE	3B	SPL 42	
4	SU67405390	CER N	02	027	027	4	3B		0	0				WE	3B	SPL 27	
5	SU67505390	CER N	03	028	028	4	3B		0	0				WE	3B	SPL 28	
6	SU67605390	CER N	02	042	043	3	3B		0	0				WE	3B	SPL 43	
7	SU67665390	CER N	02	026	026	4	3B		0	0				WE	3B	SPL 26	
9	SU67905390	MZE S	01	026	026	4	3B		0	0				WE	3B	SPL 26	
10	SU68005390	MZE S	01	027	027	4	3B		0	0				WE	3B	SPL 27	
11	SU67305380	CER E	04	029	029	4	3B		0	0				WE	3B	SPL 29	
12	SU67405380	CER W	03	035	045	3	3A		0	0				WE	3A	SPL 45	
13	SU67505380	CER NE	02	0	042	4	3B		0	0				WE	3B	SPL 42	
14	SU67605380	CER NE	01	0	028	4	3B		0	0				WE	3B	SPL 28 SEE 3P	
15	SU67705380	LEY SE	02	025	025	4	3B		0	0				WE	3B	SPL 25	
16	SU67805380	LEY S	03	0	025	4	3B		0	0				WE	3B	SPL 25	
17	SU67905380	LEY S	02	025	035	4	3B		0	0				WE	3B	SPL 35	
18	SU68005380	LEY S	02	0	030	4	3B		0	0				WE	3B	SPL 30	
20	SU67005370	WHT W	01	028	028	4	3B		0	0				WE	3B	SPL 28	
21	SU67105370	WHT W	01	028	028	4	3B		0	0				WE	3B	SPL 28	
22	SU67205370	WHT W	01	026	026	4	3B		0	0				WE	3B	SPL 26	
23	SU67305370	WHT SW	01	027	027	4	3B		0	0				WE	3B	SPL 27	
24	SU67405370	WHT E	01	025	040	4	3B		0	0				WE	3B	SPL 40	
26	SU67605370	LEY S	01	0	022	4	3B		0	0				WE	3B	SPL 22	
27	SU67705370	LEY		0	032	4	3B		0	0				WE	3B	SPL 32	
28	SU67805370	LEY S	01	027	027	4	3B		0	0				WE	3B	SPL 27	
29	SU67905370	LEY S	01	030	030	4	3B		0	0				WE	3B	SPL 30	
30	SU68005370	LEY S	01	0	027	4	3B		0	0				WE	3B	SPL 27	
32	SU67005360	LEY E	02	052	090	1	1	146	42	117	21	1				1	
33	SU67105360	CER W	01	025	040	4	3B		0	0				WE	3B	SPL 40	
34	SU67205360	CER W	03	025	025	4	3B		0	0				WE	3B	SPL 25	
35	SU67305360	CER W	04	025	025	4	3B		0	0				WE	3B	SPL 25	
36	SU67405360	CER E	02	024	024	4	3B		0	0				WE	3B	SPL 24	
38	SU67605360	OSR SW	01	040	040	3	3A		0	0				WE	3A	SPL 40	
39	SU67705360	CER SW	01	0	045	3	3B		0	0				WE	3B	SPL 45	
40	SU67805360	CER SW	01	028		2	2	053	-51	053	-43	4		DR	4	IMP 30 QDR	
41	SU67905360	CER SW	01	026		2	2		0	0				WE	2	IMP 60 NO SPL	
42	SU68005360	CER SW	01	026	066	3	3A		0	0				WE	3A	SPL 66	
43	SU68105360	CER SW	01	028	035	4	3B		0	0				WE	3B	SPL 35	
44	SU68205360	LEY SW	03	0	024	4	3B		0	0				WE	3B	IMP 40 SEE 3P	
45	SU66905350	LEY N	01	065	065	2	2		0	0				WE	2	SPL 65	

SAMPLE NO.	GRID REF	ASPECT USE	GRDNT	--WETNESS--		-WHEAT-		-POTS-		M.REL		EROSN	FROST	CHEM	ALC	COMMENTS
				GLEY	SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLOOD	EXP	DIST	
46	SU67005350	LEY N	01	028	065	3	3B		0	0				WE	3B	SPL 65
47	SU67105350	LEY N	01	0	028	4	3B		0	0				WE	3B	SPL 28
48	SU67205350	LEY N	01	030	030	4	3B		0	0				WE	3B	IMP 40 SEE 3P
49	SU67305350	LEY NW	03	029		2	3A	084	-20	084	-12	3A		WE	3A	IMP 50 CHALKY
50	SU67405350	LEY W	04			1	1	051	0	051	0	4		DR	4	IMP 28 CHALKY
51	SU67505350	OSR		028	028	4	3B		0	0				WE	3B	SPL 28
52	SU67605350	OSR E	01	030	038	4	3B		0	0				WE	3B	SPL 38
53	SU67705350	OSR E	01	027	038	4	3B		0	0				WE	3B	SPL 38
54	SU67805350	WHT NE	01	025	025	4	3B		0	0				WE	3B	SPL 25
55	SU67905350	WHT NE	01			1	1	051	-53	051	-45	4		DR	4	IMP 30 SEE 3P
56	SU68005350	BAR SE	02	028	065	3	3A		0	0				WE	3A	SPL 65
57	SU68105350	BAR NE	01	0		2	2	066	-38	066	-30	3B		DR	3B	IMP 40 SEE 3P
60	SU67005340	LEY N	02			1	3A		0	0				WK	3A	CHALKY
61	SU67105340	LEY		0		2	3B		0	0				WK	3B	IMP 35 CHALKY
62	SU67205340	LEY		025	025	4	3B		0	0				WE	3B	SPL 25
63	SU67305340	LEY W	04			1	2		0	0				WK	2	IMP 10 SEE 3P
64	SU67405340	LEY SW	03	0	025	4	3B	075	-29	075	-21	3B		WE	3B	IMP 50 SEE 3P
65	SU67505340	LEY				1	1	043	-61	043	-53	4		DR	3A	IMP 25 SEE 3P
66	SU67605340	OSR		028	040	4	3B		0	0				WE	3B	SPL 40
67	SU67705340	OSR		025	040	4	3B		0	0				WE	3B	SPL 40
68	SU67805340	PGR NE	01	0	040	4	3B		0	0				WE	3B	SPL 40
69	SU67905340	BAR E	01	030	045	3	3A		0	0				WE	3A	SPL 45
70	SU68005340	BAR SE	01	033	065	3	3A		0	0				WE	3A	SPL 65
71	SU68105340	LEY SW	01	0		2	2	049	-55	049	-47	4		DR	3A	IMP 30
72	SU68205340	LEY SW	01	0		2	3B	064	-40	064	-32	3B		WK	3B	NO SPL IMP 40
75	SU67005330	LEY NW	01	010		1	3A	046	-58	046	-50	4		DR	4	IMP 30 SEE 3P
76	SU67105330	LEY NE	02	026		2	2	154	50	116	20	1		WE	2	GLEY 26 SEE 2P
77	SU67205330	LEY NE	01	028		2	2	143	39	117	21	1		WE	2	GLEY 28 SEE 2P
78	SU67305330	LEY NE	01	0	060	3	3A		0	0				WE	3A	SPL 60
79	SU67405330	LEY W	02	028		2	2	091	-13	098	2	3A		DR	3A	IMP 60
80	SU67505330	LEY		025		2	3A	066	-38	066	-30	3B		WE	3A	IMP 40
81	SU67605330	LEY		025	050	3	3B		0	0	3A			WE	3B	SPL 50
82	SU67705330	OSR		028	028	4	3B		0	0	3B			WE	3B	SPL 28
83	SU67805330	ARA		0	025	4	3B		0	0	3B			WE	3B	SPL 25
84	SU67905330	ARA		050		1	1	145	41	116	20	1			1	HOLLOW
85	SU68005330	LEY		025	040	4	3B		0	0	3A			WE	3B	SPL 40
86	SU68105330	LEY				1	1	045	-59	045	-51	4		DR	3A	IMP 25
87	SU68205330	LEY		0	060	3	3A		0	0	3A			WE	3A	SPL 60
90	SU67105320	LEY		020	020	4	3B		0	0	3B			WE	3B	SPL 20
91	SU67205320	LEY		020	060	3	3A		0	0				WE	3A	SPL 60
92	SU67305320	LEY		025	025	4	3B		0	0				WE	3B	SPL 25
93	SU67405320	LEY		025	025	4	3B		0	0				WE	3B	SPL 25



SAMPLE NO.	GRID REF	ASPECT USE	--WETNESS--		-WHEAT-		-POTS-		M.REL		EROSN	FROST	CHEM	ALC	COMMENTS	
			GRDNT	GLEY SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLOOD	EXP	DIST		LIMIT
100	SU68105320	ARA		025	2	2	056	-48	056	-40	3B			DR	38	IMP 40
101	SU68205320	ARA		025 025	4	3B		0		0				WE	38	SPL 25
102	SU68305320	PLO		030 030	4	3B		0		0				WE	38	SPL 30
104	SU67305310	LEY		0 035	4	3B		0		0				WE	38	SPL 35
113	SU68205310	PLO		029	2	2	055	-49	055	-41	3B			DR	38	IMP 35
116	SU67805300	LEY		028 040	4	3B		0		0				WE	38	SPL 40
120	SU67705290	LEY S	03	028	2	3B	056	-48	056	-40	3B			WE	38	IMP 35
122	SU67905285	LEY		025 040	4	3B		0		0				WE	38	SPL 40

SAMPLE	DEPTH	TEXTURE	COLOUR	----MOTTLES-----			PED	----STONES----			STRUCT/	SUBS						
				COL	ABUN	CONT	COL.	GLY	>2	>6	LITH	TOT	CONSIST	STR	POR	IMP	SPL	CALC
1P	0-20	c	25Y 42 00					0	0	HR	3							
	20-58	c	25Y 62 00	10YR56	00	M		Y	0	0		0	MCAB	FM	P	Y		Y
2	0-30	hc1	10YR42 00					0	0	HR	3							
	30-60	c	10YR51 00	10YR66	00	M		Y	0	0	HR	3			P			Y
2P	0-27	c	75YR56 00	10YR53	00	F		3	6	HR	24							Y
	27-52	mc1	25Y 42 00	75YR46	00	C		Y	0	0	HR	2	MDCSAB	FR	M			
	52-80	mc1	10YR63 00	10YR66	00	C	00MNO0	00	Y	0	0	0	MDCSAB	FR	M			
3	0-28	hc1	10YR42 00					0	0	HR	5							
	28-42	c	10YR52 53					0	0	HR	5				P			
3P	0-23	mc1	10YR53 00	00OC00	00	F		1	0	HR	10							
	23-42	c	10YR52 00	10YR56	00	M		Y	0	0	HR	40				M		
	42-63	c	75YR52 00	10YR56	00	M	00MNO0	00	Y	0	0	0	WMAB	FM	P	Y		Y
4	0-27	mc1	10YR43 00					0	0	HR	3							
	27-60	c	10YR53 00	10YR66	00	C		Y	0	0		0			P			Y
5	0-28	hc1	10YR43 00					0	0	HR	3							
	28-70	c	10YR52 00	10YR56	66	M		Y	0	0		0			P			Y
6	0-28	hc1	10YR42 00					0	0	HR	5							
	28-42	hc1	10YR53 00					0	0	HR	3					M		
	42-43	hc1	10YR63 00	10YR66	00	C		Y	0	0	HR	10				M		
	43-100	c	25Y 72 00	10YR56	66	M	00MNO0	00	Y	0	0	HR	5			P		Y
7	0-26	c	10YR42 00					0	0	HR	5							
	26-70	c	10YR63 62	10YR66	00	M		Y	0	0		0			P			Y
9	0-26	hc1	10YR42 43					0	0	HR	3							
	26-60	c	10YR53 52	10YR56	00	M		Y	0	0		0			P			Y
10	0-27	hc1	10YR42 00	10YR66	00	F		0	0	HR	3							
	27-60	c	10YR52 00	10YR56	00	M	00MNO0	00	Y	0	0	0			P			Y
11	0-29	hc1	10YR42 00					0	0	HR	8							
	29-60	c	25Y 62 00	10YR56	00	M		Y	0	0		0			P			Y
12	0-29	mc1	10YR43 00					0	0	HR	6							
	29-35	mc1	10YR43 00					0	0	HR	4					M		
	35-45	hc1	10YR53 54	75YR56	00	C		Y	0	0	HR	6				M		
	45-70	c	10YR63 00	75YR58	00	M		Y	0	0		0			P			Y
13	0-25	mc1	10YR42 00	10YR56	00	C		Y	0	0	HR	7						
	25-42	hc1	10YR53 00	75YR56	58	C		Y	0	0	HR	5				M		
	42-70	c	10YR53 63	75YR58	00	M		Y	0	0	HR	3			P			Y

SAMPLE	DEPTH	TEXTURE	COLOUR	-----MOTTLES-----			PED	-----STONES-----			STRUCT/	SUBS					
				COL	ABUN	CONT	COL.	GLE	>2	>6	LITH	TOT	CONSIST	STR	POR	IMP	SPL
14	0-28	hc1	10YR42 00	10YR56 00	C			Y	0	0	HR	8					
	28-30	c	10YR53 00	75YR58 00	C			Y	0	0	HR	8		P			Y
15	0-25	hc1	10YR54 00	75YR58 00	C				0	0	HR	5					
	25-70	c	10YR63 00	75YR58 00	M			Y	0	0		0		P			Y
16	0-25	hc1	10YR53 54	10YR56 00	C			Y	0	0	HR	3					
	25-70	c	10YR63 00	75YR58 00	M			Y	0	0		0		P			Y
17	0-25	hc1	10YR54 00	10YR56 00	F				0	0	HR	2					
	25-35	c	25Y 64 00	75YR58 00	C			Y	0	0		0			M		
	35-70	c	10YR63 00	75YR58 00	M			Y	0	0		0		P			Y
18	0-30	hc1	10YR53 00	10YR56 00	C			Y	0	0	HR	2					
	30-70	c	10YR53 63	75YR58 00	M			Y	0	0		0		P			Y
20	0-28	hc1	10YR42 00						0	0	HR	3					
	28-60	c	10YR53 63	10YR66 00	M		00MN00	00	Y	0	0	0		P			Y
21	0-28	hc1	10YR42 00						0	0	HR	3					
	28-60	c	10YR53 51	10YR56 66	M			Y	0	0		0		P			Y
22	0-26	hc1	10YR42 00						0	0	HR	3					
	26-60	c	10YR52 53	10YR56 66	M		00MN00	00	Y	0	0	0		P			Y
23	0-27	hc1	10YR42 00						0	0	HR	2					
	27-60	c	10YR53 51	10YR66 00	M			Y	0	0		0		P			Y
24	0-25	hc1	10YR42 00						0	0	HR	3					
	25-40	c	10YR53 00	10YR56 00	C			Y	0	0	HR	10			M		
	40-70	c	25Y 52 00	10YR56 00	M			Y	0	0	HR	3		P			Y
26	0-22	hc1	10YR53 00	10YR56 00	C			Y	0	0	HR	4					
	22-60	c	10YR63 61	10YR56 66	M			Y	0	0		0		P			Y
27	0-32	hc1	10YR42 52	10YR66 00	C		00MN00	00	Y	0	0	HR	2				
	32-60	c	10YR51 53	10YR56 66	M			Y	0	0		0		P			Y
28	0-27	hc1	10YR42 52						0	0	HR	3					
	27-60	c	25Y 61 00	10YR58 00	M			Y	0	0	HR	5		P			Y
29	0-30	hc1	10YR52 00						0	0	HR	3					
	30-60	c	25Y 62 63	10YR58 00	M			Y	0	0		0		P			Y
30	0-27	hc1	10YR53 52	10YR66 00	C			Y	0	0	HR	3					
	27-60	c	25Y 61 62	10YR68 00	M			Y	0	0	HR	5		P			Y
32	0-30	mc1	10YR53 54	00OC00 00	F				0	0	HR	2					
	30-35	hc1	10YR54 00	75YR58 00	C				0	0	HR	2			M		
	35-45	c	10YR54 00						0	0		0			M		
	45-52	hc1	10YR54 00						0	0		0			M		
	52-90	hc1	10YR53 00	75YR56 58	M			Y	0	0		0			M		
	90-120	c	10YR53 52	75YR56 00	M			Y	0	0		0		P			Y

SAMPLE	DEPTH	TEXTURE	COLOUR	----MOTTLES----			PED COL.	----STONES----			STRUCT/ CONSIST	SUBS			CALC
				COL	ABUN	CONT		GLE	>2	>6		LITH	TOT	STR	
33	0-25	c	10YR42 00					0	0	HR	2				
	25-40	c	10YR42 53 75YR56 00 C					Y	0	0	HR	5	M		
	40-60	c	25Y 63 00 75YR58 00 M					Y	0	0		0	P		Y
34	0-25	c	10YR53 00						0	0	HR	2			
	25-60	c	25Y 62 63 75YR58 00 M					Y	0	0		0	P		Y
35	0-25	hc1	10YR53 00						0	0	HR	1			
	25-60	c	25Y 63 00 75YR58 00 M					Y	0	0		0	P		Y
36	0-24	hc1	10YR53 00						0	0	HR	1			
	24-60	c	25Y 62 63 75YR58 00 M					Y	0	0		0	P		Y
38	0-29	mc1	10YR42 00						0	0	HR	4			
	29-40	hc1	10YR54 00 75YR58 00 C						0	0		0	M		
	40-60	c	25Y 62 63 75YR58 00 M					Y	0	0		0	P		Y
39	0-30	hc1	10YR42 00 10YR56 00 C					Y	0	0	HR	4			
	30-45	hc1	10YR42 00 75YR56 00 C					Y	0	0	HR	5	M		
	45-60	c	10YR63 00 75YR58 00 M					Y	0	0	HR	5	P		Y
40	0-28	mc1	10YR42 00						0	0	HR	5			
	28-30	mc1	10YR74 00 75YR58 00 C					Y	0	0		0	M		
41	0-26	mc1	10YR42 00						0	0	HR	2			
	26-40	mc1	10YR74 00 75YR58 00 C					Y	0	0	HR	2	M		
	40-60	c	10YR74 00 75YR58 00 M					Y	0	0	HR	2	M		
42	0-26	mc1	10YR31 00						0	0	HR	2			
	26-52	mc1	10YR74 00 75YR58 00 M					Y	0	0		0	M		
	52-66	hc1	10YR74 00 75YR58 00 M					Y	0	0	HR	1	M		
	66-120	c	10YR63 00 75YR58 00 M					Y	0	0		0	P		Y
43	0-28	mc1	10YR42 00 10YR56 00 F						0	0	HR	2			
	28-35	mc1	10YR74 00 75YR58 00 M					Y	0	0	HR	1	M		
	35-120	c	10YR53 00 75YR58 00 M					Y	0	0	HR	1	P		Y
44	0-24	hc1	10YR53 00 75YR58 00 C					Y	0	0	HR	6			
	24-40	c	25Y 63 00 75YR58 00 M					Y	0	0		0	P		Y
45	0-30	mc1	10YR42 00						0	0	HR	2			
	30-65	hc1	10YR44 00						0	0		0	M		
	65-120	c	10YR53 52 10YR56 00 M				00M000 00	Y	0	0		0	P		Y
46	0-28	hc1	10YR42 00						0	0	HR	3			
	28-65	hc1	10YR53 00 10YR56 00 C					Y	0	0		0	M		
	65-120	c	25Y 52 00 10YR58 00 M					Y	0	0	HR	5	P		Y

SAMPLE	DEPTH	TEXTURE	COLOUR	-----MOTTLES-----			PED COL.	-----STONES-----				STRUCT/ CONSIST	SUBS			CALC	
				COL	ABUN	CONT		GLE	>2	>6	LITH		TOT	STR	POR		IMP
47	0-28	c	10YR42 52	10YR56 00	C			Y	0	0	HR	5					
	28-120	c	10YR53 63	10YR56 00	M			Y	0	0	HR	5	P				Y
48	0-30	c	10YR42 00						0	0	HR	3					
	30-40	c	10YR53 00	10YR56 00	M			Y	0	0	HR	5	P				Y
49	0-29	hc1	10YR42 00					Y	0	0	CH	5					Y
	29-50	c	10YR44 00	10YR56 00	C				0	0	CH	5	M				Y
50	0-28	mc1	10YR42 00						0	0	CH	5					Y
51	0-28	mc1	10YR42 00						0	0	HR	5					
	28-35	c	10YR62 00	10YR56 00	M			Y	0	0	HR	10	P				Y
	35-80	c	10YR62 00	10YR56 00	M			Y	0	0		0	P				Y
52	0-30	mc1	10YR42 00						0	0	HR	3					
	30-38	hc1	10YR53 63	10YR66 00	C			Y	0	0	HR	10	M				
	38-80	c	10YR61 00	10YR68 00	M			Y	0	0		0	P				Y
53	0-27	mc1	10YR42 00						0	0		0					
	27-38	hc1	10YR63 61	10YR66 00	M			Y	0	0		0	M				
	38-80	c	10YR62 63	75YR66 00	M			Y	0	0		0	P				Y
54	0-25	mc1	10YR52 00						0	0	HR	3					
	25-80	c	10YR53 00	75YR56 00	M		00MN00	00	Y	0	0	HR	3	P			Y
55	0-30	mc1	10YR52 00						0	0	HR	5					
56	0-28	mc1	10YR52 00						0	0	HR	2					
	28-65	hc1	10YR62 00	10YR66 00	M		00MN00	00	Y	0	0	HR	5	M			
	65-100	c	10YR61 00	75YR66 00	M			Y	0	0		0	P				Y
57	0-26	mc1	10YR52 00	10YR66 00	C			Y	0	0	HR	3					
	26-40	hc1	10YR52 72	10YR56 00	M			Y	0	0	HR	10	M				
60	0-25	c	10YR54 42						0	0	HR	5					Y
	25-35	c	10YR54 00						0	0	HR	5	M				Y
	35-120	hc1	10YR42 00						0	0	CH	60	M				Y
61	0-20	c	10YR42 00	10YR56 00	C			Y	0	0	HR	5					
	20-35	hc1	10YR42 00					Y	0	0	CH	50	M				Y
62	0-25	mc1	10YR53 00	10YR56 00	F				0	0	HR	2					
	25-60	c	10YR63 00	75YR56 00	M			Y	0	0		0	P				Y
63	0-10	hc1	10YR42 00						0	0	HR	15					
64	0-25	hc1	10YR53 00	000C00 00	C			Y	0	0	HR	5					
	25-50	c	25Y 63 00	000C00 00	M			Y	0	0	HR	1	P	Y			Y

SAMPLE	DEPTH	TEXTURE	COLOUR	----MOTTLES-----			PED COL.	----STONES----			STRUCT/ CONSIST	SUBS					
				COL	ABUN	CONT		GLY	>2	>6		LITH	TOT	STR	POR	IMP	SPL
65	0-25	mc1	10YR42 00					0	0	HR	5						
66	0-28	mc1	10YR42 00					0	0	HR	2						
	28-40	hc1	10YR53 00 000C00 00 C					Y	0	0	HR	2		M			
	40-60	c	25Y 63 00 000C00 00 M					Y	0	0		0		P	Y		Y
67	0-25	mc1	10YR53 00					0	0	HR	2						
	25-40	hc1	25Y 63 00 000C00 00 C					Y	0	0		0		M			
	40-60	c	25Y 62 00 000C00 00 M					Y	0	0		0		P	Y		Y
68	0-28	mc1	10YR53 00 10YR56 00 C					Y	0	0		0					
	28-40	hc1	40YR52 62 10YR56 66 M					Y	0	0		0		M			
	40-90	c	25Y 62 00 75YR56 00 M					Y	0	0		0		P			Y
69	0-30	mc1	10YR53 00					0	0	HR	3						
	30-45	hc1	25Y 73 00 10YR68 00 M					Y	0	0	HR	15		M			
	45-100	c	10YR62 00 10YR58 00 M					Y	0	0	HR	2		P			Y
70	0-33	mc1	10YR43 53					0	0	HR	2						
	33-45	mc1	10YR63 00 10YR66 00 C					Y	0	0	HR	5		M			
	45-65	hc1	10YR63 62 10YR56 00 M					Y	0	0	HR	5		M			
	65-100	c	25Y 62 61 75YR56 00 M					Y	0	0		0		P			Y
71	0-30	sc1	10YR42 00 000C00 00 C					Y	0	0	HR	5					
72	0-25	c	10YR42 00 000C00 00 M					Y	0	0	HR	5					
	25-40	c	25Y 52 00 000C00 00 M					Y	0	0	HR	2		M			
75	0-10	c	10YR42 00					0	0	HR	3						Y
	10-30	c	10YR51 52 10YR46 00 C					Y	0	0	HR	10		M			Y
76	0-26	mc1	10YR53 00					0	0	HR	2						
	26-45	hc1	10YR53 00 10YR56 00 C				00M000 00 Y	0	0		0		M				
	45-70	hc1	10YR63 00 10YR56 00 C				00M000 00 Y	0	0		0		M				
	70-120	hc1	10YR73 00 10YR66 00 C					Y	0	0		0		M			
77	0-28	mc1	10YR52 00					0	0	HR	2						
	28-40	hc1	10YR53 51 10YR56 00 F					Y	0	0		0		M			
	40-60	hc1	10YR53 63 10YR56 00 C					Y	0	0		0		M			
	60-120	c	10YR62 00 75YR56 00 M					Y	0	0		0		M			
78	0-26	mc1	10YR53 00 10YR66 00 F					Y	0	0	HR	2					
	26-60	c	10YR53 51 10YR56 00 C					Y	0	0	HR	5		M			
	60-90	c	25Y 62 00 75YR56 00 M					Y	0	0	HR	5		P			Y
79	0-28	mzc1	10YR43 53					0	0	CH	5						Y
	28-60	c	25Y 53 52 10YR58 00 M					Y	0	0	HR	10		M			Y

SAMPLE	DEPTH	TEXTURE	COLOUR	-----MOTTLES-----			PED	-----STONES-----			STRUCT/	SUBS	SPL	CALC
				COL	ABUN	CONT	COL.	GLEY	>2	>6	LITH	TOT		
80	0-25	hc1	10YR42 00					0	0	HR	5			
	25-40	c	25Y 52 00	000C00	00	C		Y	0	0	HR	5	M	
81	0-25	hc1	10YR42 00					0	0	HR	5			
	25-50	c	25Y 62 00	000C00	00	M		Y	0	0	HR	2	M	
	50-65	c	25Y 63 00	000C00	00	M		Y	0	0		0	P	Y
														Y
82	0-28	mc1	10YR53 00					0	0	HR	2			
	28-55	c	25Y 63 00	000C00	00	M		Y	0	0		0	P	Y
														Y
83	0-25	mc1	10YR41 00	000C00	00	C		Y	0	0	HR	5		
	25-55	c	25Y 62 00	000C00	00	M		Y	0	0		0	P	Y
														Y
84	0-25	mc1	10YR53 00					0	0	HR	2			
	25-50	mc1	25Y 54 00					0	0		0		M	
	50-75	hc1	25Y 63 00	000C00	00	C		Y	0	0		0	M	
	75-120	c	25Y 63 00	000C00	00	C		Y	0	0		0	M	
85	0-25	mzc1	10YR42 00					0	0	HR	5			
	25-40	hc1	25Y 63 00	000C00	00	C		Y	0	0	HR	2	M	
	40-60	c	25Y 63 00	000C00	00	M		Y	0	0		0	P	Y
														Y
86	0-25	mzc1	10YR42 00					0	0	HR	5			
87	0-25	mc1	10YR42 00	000C00	00	C		Y	0	0	HR	2		
	25-60	c	25Y 52 00	000C00	00	M		Y	0	0	HR	2	M	
	60-80	c	25Y 63 00	000C00	00	M		Y	0	0		0	P	Y
														Y
90	0-20	hc1	10YR42 00					0	0	HR	5			
	20-55	c	10YR62 00	000C00	00	M		Y	0	0		0	P	Y
														Y
91	0-20	sc1	10YR42 00					0	0	HR	2			
	20-60	sc1	25Y 63 00	000C00	00	M		Y	0	0		0	M	
	60-80	c	25Y 63 00	000C00	00	M		Y	0	0		0	P	Y
														Y
92	0-25	hc1	10YR42 00					0	0	HR	5			
	25-55	c	25Y 52 00	000C00	00	M		Y	0	0		0	P	Y
														Y
93	0-25	sc1	10YR32 00					0	0	HR	5			
	25-55	c	10YR52 00	000C00	00	M		Y	0	0		0	P	Y
														Y
100	0-25	mc1	10YR31 00					2	0	HR	20			
	25-40	mc1	25Y 63 00	000C00	00	M		Y	0	0	HR	20	M	
101	0-25	mc1	10YR31 00					2	0	HR	20			
	25-60	c	25Y 63 00	000C00	00	M		Y	0	0	HR	1	P	Y
														Y
102	0-30	mc1	10YR42 00					0	0	HR	3			
	30-90	c	10YR63 61	10YR56	00	M	00M000	00	Y	0	0	0	P	Y

SAMPLE	DEPTH	TEXTURE	COLOUR	----MOTTLES----		PED COL.	----STONES----			STRUCT/ CONSIST	SUBS						
				COL	ABUN		CONT	GLE	>2		>6	LITH	TOT	STR	POR	IMP	SPL
104	0-25	mc1	10YR42 00 000C00 00 C				Y	0	0	HR	2						
	25-35	c	25Y 63 00 000C00 00 M				Y	0	0		0		M				
	35-55	c	25Y 63 00 000C00 00 M				Y	0	0		0		P	Y		Y	
113	0-29	mc1	10YR42 00					0	0	HR	10						
	29-35	hc1	10YR53 00 10YR46 00 C				Y	0	0	HR	20		M				
116	0-28	hc1	10YR53 00					0	0	HR	10						
	28-40	c	25Y 63 00 000C00 00 M				Y	0	0	HR	5		M				
	40-60	c	25Y 63 00 000C00 00 M				Y	0	0		0		P	Y		Y	
120	0-28	c	10YR44 00					0	0	HR	5						
	28-35	c	10YR52 53 10YR56 00 C				Y	0	0	HR	3		M				
122	0-25	mc1	10YR42 00					0	0	HR	2						
	25-40	c	25Y 63 00 000C00 00 M				Y	0	0	HR	2		M				
	40-60	c	25Y 63 00 000C00 00 M				Y	0	0		0		P	Y		Y	