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Maidstone Borough Local Plan Site 38 Land East of Millbank, Headcorn Agricultural Land Classification ALC Map and Report October 1994

AGRICULTURAL LAND CLASSIFICATION REPORT

MAIDSTONE BOROUGH LOCAL PLAN SITE 38 LAND EAST OF MILLBANK, HEADCORN

1 Summary

- 1 1 ADAS was commissioned by MAFF's Land Use Planning Unit to provide information on land quality for a number of sites in the Maidstone Borough of Kent. The work forms part of MAFF's statutory input to the Maidstone Borough Local Plan.
- Site 38 comprises 65 8 hectares of land to the north of Headcorn near Maidstone in Kent. An Agricultural Land Classification (ALC) survey was undertaken during October 1994 at a detailed level with a total of 62 borings and three soil inspection pits being assessed in accordance with 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.
- The work was carried out by members of the Resource Planning Team in the Guildford Statutory Group of ADAS
- At the time of survey the majority of the site contained stubble from the 1994 harvest. Some fields were being ploughed during the period of survey. Towards the west of the site two fields were under permanent grass. The areas of non agricultural land shown are mainly areas close to ponds comprising scrub. Also shown as non agricultural are an area of allotment gardens towards the south east of the site and a field which has reverted to scrub to the east of Tattlebury in the north of the site. The areas of woodland mapped are generally newly planted and deciduous located towards the west and east of the site. Urban land comprises domestic dwellings and gardens a metalled road and towards the west of the site a bowling club.
- The distribution of grades and subgrades is shown on the attached ALC map and the areas are given in the table below. The map has been drawn at a scale of 1 10 000. It is accurate at this scale but any enlargement would be misleading. This map supersedes any previous ALC survey information for this site.

Table 1 Distribution of Grades and Subgrades

Grade	Area (ha)	% of Site	% of Agricultural Land
3b	58 3	88 6	100% (58 3ha)
Non Agricultural	16	2 4	, ,
Woodland	2 0	3 0	
Urban	3 2	4 9	
Open Water	0 7	1 1	
Total area of site	<u>65 8</u>	<u>100%</u>	

- Appendix I gives a general description of the grades subgrades and land use categories identified in the survey. 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.
- The site has been classified as Subgrade 3b moderate quality land Poorly drained clayey soils derived from Weald Clay cause the land to experience significant soil wetness and workability restrictions. Occasional observations were impenetrable due to weathered limestone fragments but this restriction was not significant overall.

2 Climate

- The climatic criteria are considered first 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
- The main parameters used in the assessment of an overall climatic limitation are average annual rainfall as a measure of overall wetness and accumulated temperature as a measure of the relative warmth of a locality
- A detailed assessment of the prevailing climate was made by interpolation from a 5km 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 are believed to affect the site. However climatic and soil factors interact to influence soil wetness and droughtiness limitations.

Table 2 Climatic Interpolation

Grid Reference	TQ834446	TQ832447
Altıtude (m AOD)	20	30
Accumulated Temperature	1487	1476
(°days Jan -June)		
Average Annual Rainfall (mm)	632	642
Field Capacity Days	131	133
Moisture deficit wheat (mm)	124	123
Moisture deficit potatoes (mm)	122	120
Overall Climatic Grade	1	1

3 Relief

The site lies between approximately 20 and 30m AOD. The majority of the site is flat however towards the south the land falls slightly and towards the south west there is a slight rise. Nowhere on the site does relief or gradient affect land quality

4 Geology and Soils

- The published geological information (BGS 1976) shows the majority of the site to be underlain by Cretaceous Weald Clay some of which towards the south is shown as being interbedded with Paludina Limestone. In a small area towards the north east of the site 2nd terrace river gravels are shown as a drift deposit.
- The published soils information (SSEW 1983 and 1984) shows the site to be underlain by soils of the Shabbington and Wickham 1 Associations occurring in approximately equal amounts. Shabbington soils located towards the north of the site are described as. Deep fine loamy and fine loamy over sandy soils variably affected by groundwater. Some slowly permeable seasonally waterlogged fine loamy over clayey soils. (SSEW 1983). The Wickham 1 soils are described as slowly permeable seasonally waterlogged fine silty over clayey fine loamy over clayey and clayey soils. (SSEW 1983). Typically over the site fine loamy over slowly permeable clayey soils were encountered.

5 Agricultural Land Classification

- Paragraph 1 5 provides the details of the area measurements for each grade and the distribution of each grade is shown on the attached ALC map
- The location of the soil observation points are shown on the attached sample point map

Subgrade 3b

53 Land of moderate quality (Subgrade 3b) is mapped over all of the agricultural land at this site. The principal limitation is soil wetness due to impeded drainage Typically profiles comprise a stoneless or very slightly stony (up to 2% v/v limestone fragments) occasionally slightly calcareous heavy clay loam topsoil This commonly passes to a gleyed heavy clay loam or clay upper subsoil which overlies moderately structured slowly permeable clay between 25 and 65cm. See pit observations 1p 2p and 3p (Appendix III) Given the local climatic regime soils of this nature are placed in Wetness Class III or IV (see Appendix III) Due to heavy topsoils and associated workability limitations a grading of 3b is appropriate These wetness and workability factors lead to severe restrictions on the versatility of the land principally in terms of the timing of cultivations and stocking if structural damage to the soil is to be avoided. Occasional observations became impenetrable to the soil auger due to limestone fragments in the matrix around 60cm but in these cases the slowly permeable clay horizons above were sufficient to apply Subgrade 3b Similarly occasional observations were of a slightly better quality but were of insufficient distribution to justify separate mapping

ADAS Ref 2007/156/94 MAFF Ref EL20/328

Resource Planning Team Guildford Statutory Group ADAS Reading

SOURCES OF REFERENCE

British Geological Survey (1976) Sheet 288 Maidstone 1 50 000 Solid & Drift Edition

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

Meteorological Office (1989) Climatic datasets for Agricultural Land Classification

Soil Survey of England and Wales (1983) Sheet No 6 Soils of South East England 1 250 000 and Accompanying Legend

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 SUBGRADES

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 of this 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 land.

Grade 3 Good to Moderate Quality Land

Land with moderate limitations which affect the choice of crops the 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

Subgrade 3b Moderate Quality Agricultural Land

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

Grade 4 Poor Quality Agricultural Land

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

Grade 5 Very Poor Quality Agricultural Land

Land with 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 including 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. Also active mineral workings and refuse tips where restoration conditions to soft after uses may apply

Woodland

Includes commercial and non-commercial woodland A distinction may be made as necessary between farm and non-farm woodland

Agricultural Buildings

Includes the normal range of agricultural buildings as well as other relatively permanent structures such as glasshouses Temporary structures (e.g. 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 e g 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 CLASS

Wetness Class I

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

Wetness Class II

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

Wetness Class III

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

Wetness Class IV

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

Wetness Class V

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

Wetness Class VI

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

APPENDIX III SOIL PIT AND SOIL BORING DESCRIPTIONS

Contents

Sample Point Map

Soil Abbreviations - explanatory note

Database Printout - soil pit information

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	FRT Soft and Top Fruit	FLW Fallow
PGR Permanent Past	ture LEY Ley Grass	RGR Rough Grazing
SCR Scrub	CFW Coniferous Woodland	DCW Deciduous Wood
HTH Heathland	BOG Bog or Marsh	FLW Fallow
PLO Ploughed	SAS Set aside	OTH Other
HRT Horticultural C	crops	

- 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 Ex	sposure limitation	FROST	Frost	DIST I	Disturbed land
CHEM	Chemical limitation				

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

\mathbf{OC}	Overall Climate	ΑE	Aspect	EX	Exposure	
FR	Frost Risk	GR	Gradient	\mathbf{MR}	Microrelief	
FL	Flood Risk	TX	Topsoil Texture	DP	Soil Depth ST	Topsoil Stones
CH	Chemical	\mathbf{WE}	Wetness	$\mathbf{W}\mathbf{K}$	Workability	
DR	Drought	ER	Erosion Risk	WD	Soil Wetness/I	Droughtiness

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 SLST soft oolitic or dolimitic limestone

CH chalk FSST soft fine grained sandstone

ZR soft argillaceous or silty rocks GH gravel with non-porous (hard) stones MSST soft medium grained sandstone GH gravel with non porous (hard) stones

SI soft weathered igneous/metamorphic rock

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

<u>degree of development</u> **WK** weakly developed **MD** moderately developed **ST** strongly developed

ped sizeF fineM mediumC coarseVC very coarseped shapeS single grainM massiveGR granular AB angular blockySAB sub-angular blockyPR 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 MAIDSTONE LP SITE 38

Pit Number 1P

Grid Reference TQ83504500

Average Annual Rainfall 637 mm

Accumulated Temperature 1481 degree days

Field Capacity Level

132 days

Land Use

Slope and Aspect

degrees

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HORIZON	TEXTURE	COLOUR	STONES	2	TOT	STONE	LITH	MOTTLES	STRUCTURE	CONSIST	SUBSTRUCTURE	CALC
0- 25	HCL	10YR53 00	0			2	HR					
25- 42	HCL	10YR53 63	0			5	HR	С	MDCSAB	FR	M	
42~ 68	С	10YR53 64	0			0		M	WKCSAB	FR	М	
68- 95	С	10YR53 73	0			0		М	WKCSAB	FM	Р	

Wetness Grade 3B Wetness Class III

Gleying 25 cm SPL 42 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 MAIDSTONE LP SITE 38

Pit Number 2P

Grid Reference TQ83404510

Average Annual Rainfall

Accumulated Temperature 1481 degree days

Field Capacity Level

132 days

637 mm

Land Use

Slope and Aspect

degrees

HORI	ZON	TEXTURE	COLOUR	STONES	2	TOT STONE	LITH	MOTTLES	STRUCTURE	CONSIST	SUBSTRUCTURE	CALC
0	26	HCL	10YR43 00	0		0		F				
26	39	HCL	10YR43 44	0		0		F	MDCSAB	FR	М	
39	57	HCL	10YR53 42	0		0		M	MDCSAB	FR	M	
57	85	С	25Y 53 00	0		0		M	WKCSAB	FR	М	
85-	120	C	25Y 61 53	0		0		М	WKCSAB	FR	М	

Wetness Grade 3B

Wetness Class

III

Gleying SPL 39 cm 57 cm

Drought Grade

 APW
 mm
 M8W

 APP
 mm
 M8P

0 mm 0 mm

FINAL ALC GRADE 3B

MAIN LIMITATION Wetness

SOIL PIT DESCRIPTION

Site Name MAIDSTONE LP SITE 38

Pit Number

ЗР

Grid Reference TQ83004550

Average Annual Rainfall Accumulated Temperature

1481 degree days

Field Capacity Level

132 days

637 mm

Land Use

Slope and Aspect

degrees

HORIZON	TEXTURE	COLOUR	STONES >2	TOT STONE	LITH	MOTTLES	STRUCTURE	CONSIST	SUBSTRUCTURE	CALC
0- 33	HCL	10YR53 43	0	0		F				
33- 41	С	25Y 53 62	0	0		M	WKCSAB	FR	М	
41- 60	С	05Y 61 62	0	2	SLST	М	MDVCAB	FM	P	

Wetness Grade Wetness Class ΙV

33 cm Gleying

SPL 33 cm

Drought Grade APW MBW 0 mm mm

APP MBP 0 mm

FINAL ALC GRADE 3B

MAIN LIMITATION Wetness

SAMPI	LE	ASPECT				WF7	NESS	_WH	FAT-	-P01	TS-	м	REL	EROSN	FROST	CHEM	ALC	
VO	 GRID REF			GLEY	SPI		GRADE				MB	DRT	FLOOD	EXF			750	COMMENTS
		-	GINDINI	acc.	0, 6	CLASC	GIONDE	A.	ינויי	All	TID	DICI	1 2000	LAF	0131	LIMI		COMPLENTS
a 1	TQ83134558	STB		38	38	3	3B		0		0					WE	3в	SPL 38
1P	TQ83504500	STB		25	42	3	3B		0		0					WE	3B	SPL 42 PIT 95
	TQ83204560			33	50	3	3B		0		0					WE	3B	SPL 50
	TQ83404510			39	57	3	3B		ō		0					WE	3B	PIT100 AUG120
	TQ83004550			25	25	4	3B		ō		ō					WE	3B	SPL 35 SEE 3P
•						•	00		ū		·					, L	ΔD	O/E 33 SEE 3/
3P	TQ83004550	STB		33	33	4	3B		0		0					WE	3в	PIT 60 AUG 90
4	TQ83104550	STB		27	27	4	3B		0		0					WE		SPL 27
5	TQ83204550			27	45	3	3B		0		0					WE	3B	SPL 27
_	TQ83284551			0	55	3	3B		0		0					WE	3B	SPL 27 SLGLEY0
	TQ83414550			0		2	3A		0		0					WE		GLEY 0
						-			_									412.
9 8	TQ83504550	STB		0	37	3	3B		0		0					WE	3B	SPL 37
9	TQ83004540	STB		0	26	4	3B		0		0					WE	3B	SPL 26
10	TQ83104540			27	40	3	3B		0		0					WE	3B	SPL 27
11	TQ83204540			27	45	3	38		0		0					₩E	3B	SPL45 SLGLEY27
12	TQ83304540	STB		37	37	3	3B		0		0					WE		SPL 37
																-	_	
13	TQ83404540	STB		25	35	4	3B		0		0					WE	3в	SPL 35
14	TQ83504540	STB		44	44	3	3B		0		0					WE	38	SPL 44 IMP 55
18	TQ83104529	STB		0	27	4	3B		0		0					WE	3B	SPL 27
19	TQ83204530	STB		25	25	4	3B		0		0					WE	3B	SPL 25
2 0	TQ83304530	STB		29	29	4	3B		0		0					WE	3B	SPL 29
21	TQ83404530	STB		0	27	4	3B		0		0					WE	3B	SPL 27
22	TQ83504530	STB		0	25	4	3B		0		0					WE		SPL 25
23	TQ83654527	CER		38	65	2	3A		0		0					WE	ЗА	SPL 65
24	TQ83704535	CER		35	35	4	38		0		0					WE	3B	SPL 35
25	TQ82904520	PGR		30	39	3	3B		0		0					WE	3B	SPL 39
-																		
_ 26	TQ83004520	PGR		27	48	3	3B		0		0					WE	3B	SPL 48
27	TQ83104520	STB		27	27	4	3B		0		0					WE	3в	SPL 27
28	TQ83204520	STB		28	28	4	3B		0		0					WE	3B	SPL 28
29	TQ83304520	STB		29	29	4	3B		0		0					WE	3B	SPL 29
30	TQ83404520	STB		27	27	4	3B		D		0					₩E	38	SPL 27
	TQ83504520				28	4	3B		0		0					WE	3B	SPL 28
	TQ83604520			26	35	3	3B		0		0					₩E	3B	SPL 35
	TQ83804520			25	25	3	3B		0		0					WE	3B	SPL 25
35	TQ82904510	PGR		20	20	3	3B		0		0					WE	3B	SPL20 SLGLEY20
36	TQ83004510	PGR		27	27	4	38		0		0					₩E	3B	SPL 27
	TQ83104510				27	4	38		0		0					WE	3B	SPL 27
	TQ83204510			25		2	3A		0		0					WE	3A	GLEY 25
	TQ83304510			25		2	3A		0		0					WE	ЗА	GLEY 25
	TQ83404510			38	60	3	38		0		0					WE	3B	SPL 60
41	TQ83504510	STB		29	59	3	38		0		0					WE	3B	SPL 29
•																		
_	TQ83604510				38	3	38		0		0					WE	38	SPL 38
43	TQ83704510	STB		26	26	4	3B		0		0					WE	3B	SPL 26

program ALC012

LIST OF BORINGS HEADERS 11/10/94 MAIDSTONE LP SITE 38

page 2

SA	MPLE	Ε	A	SPECT				WETI	NESS	-WHE	EAT-	-P0	TS-	M R	REL	EROSN	FROST	CHEM	ALC		
NO		GRID REF	USE		GRDNT	GLEY	SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLOOD	E	KP DIST	r LIMIT		COMMENT	S
4	<u>4</u> 1	TQ83104500	STR	N	01	50	50	2	3A		0		0					WE	3A	SPL 50	
4		TQ83204500		.,	•	35	35	4	3B		0		0					WE	3B	SPL 35	
		TQ83294502				25	40	3	3B		0		0					WE		SPL 40	
4		TQ83404500					45	3	3B		0		0					WE	-	SPL 45	
4		TQ83504500				0	29	3	3B		0		0					WE		SPL 29	
	•	. 45555 , 555	0,0			•		_	•		•		•								
4	9 7	TQ83604500	STB			26	26	3	3B		0		0					WE	3B	SPL 26	
5	ר ס	TQ83704500	STB			30	30	3	3B		0		0					WE	3B	SPL 30	
5	1 1	TQ83104490	PGR	N	01	28	28	4	3B		0		0					WE	3B	SPL 28 I	MP 65
5	2 1	TQ83204490	STB	N	02	0	28	4	3B		0		0					WE	3B	SPL 28	
a 5	3 1	TQ83504490	PLO			30	30	4	3B		0		0					WE	3B	SPL 30	
— 5	4 1	TQ83604490	PL0			30	30	4	3B		0		0					WE	38	SPL 30	
_ 5	5 1	TQ83704480	STB			26	26	3	3B		0		0					WE	38	SPL 26	
5	6 1	TQ83104480	PGR			35	35	4	3B		0		0					₩E	38	SPL 35 I	MP 60
- 5	7 1	TQ83204480	STB	N	02	30	30	4	3B		0		0					WE	38	SPL 30	
5	8 1	TQ83304480	STB	NW	01	25	25	4	3B		0		0					WE	38	SPL 25	
5	9 1	TQ83404480	STB	SE	01	45	45	3	3B		0		0					WE	38	SPL 45	
6	0 1	TQ83504480	PLO			35	35	4	3B		0		0					WE	3B	SPL 35	
n 6	1 1	TQ83204470	PL0			35	35	4	3B		0		0					WE	3B	SPL 35	
6	2 1	TQ83304470	PLO	SE	03	35	35	4	3B		0		0					WE	3B	SPL 35	
— 6	3 1	TQ83404470	STB	SE	02	30	50	3	3B		0		0					WE	3B	SPL 50	
_																					
6		TQ83204460		SE	03	30		4	3B		0		0					WE		SPL 30	
6		TQ83304460		SE	01	33		4	3B		0		0					WE	3B	SPL 33	
6	6 1	TQ83404460	PLO	SE	01	33	33	4	3B		0		0					WE	3B	SPL 33	

					10TTLES	;	PED			ST	ONES	STRUCT	su	JBS	
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	COL	GLE	Y >2	>6	LITH TOT	CONSIST	r st	r Por	IMP SPL CALC
1	0 25	hc]	10YR43 00						0	0	0				
·	25-38	hc1	10YR44 54	OOMNOO	00 F				0		0		١	1	
•	38-80	c	25Y 53 52			c	OOMNOO	00 Y		0	0		M		Y
1P	0-25	hc1	10YR53 00						0	0 1	HR 2				
1.5	25-42	hcl	101R53 63	100050	2 00 C	,	OMNOO	00 V		0 :		MDCSAB	ED N	4	
	42-68	c	10YR53 64				OMNOO					WKCSAB			Y
1	68 95	c	10YR53 73				OOMNOO			_		WKCSAB			Y
2	0 33	hc1	10YR43 00						0	0	0				
	33 50	hc1	25Y 52 00	10VR56	5 00 M			Υ	_	_	0		١	4	
	50 80	c	25Y 53 52			c	OOMNOO			0	0				Y
- 2P	0-26	hc1	10YR43 00	10VP56	5 00 F				0	0	0				
2	26 39	hc1	101R43 00						0			MDCSAB	FD N	4	
,	39 57	hc1	10YR53 42					Υ	_			MDCSAB			
	57 85	c	25Y 53 00					Y			0	WKCSAB			Y
ì	85 120	c	25Y 61 53			c	OOMNOO			0	0	WKCSAB			Y
3	0 25	hc1	10YR53 00						n	0	0				
	25 35	c	10YR53 00	75YR56	5 00 C			Υ	_	_	0		٨	1	Y
ĺ	35 60	c	05Y 61 62					Y			0		F		Y
- 3P	0 33	hcl	10YR53 43	ODMNO) 00 F				0	0	0				
ľ	33 41	C	25Y 53 62			c	OMNOO	00 Y				WKCSAB	FR M	1 Y	Υ
,	41-60	c	05Y 61 62					Y			SLST 2				Y
3 4	0 27	hc1	10YR53 00						0	0	0				
·	27-40	c	25Y 53 00	10YR58	3 00 C	c	OMNOO	00 Y		0	0		۲	1	Υ
•	40 60	С	25Y 63 53				OOMNOO			0	0		۲		Y
5	0-27	hc1	10YR53 00						0	0	0				
j	27-45	hc1	25Y 53 64	75YR46	5 58 C	C	000000	00 Y	0	0	0		۲	1	
	45-70	С	25Y 53 00	75YR58	3 00 M	C	OOMMOO	00 Y	0	0	0		۲	1	Y
6	0-27	hc1	10YR43 00	10YR56	5 00 C			s	0	0	0				
-	27-55	hc1	25Y 53 00	10YR58	3 00 M	0	OOMNOO	00 Y	0	0	0		۲	1	
Ì	55 70	С	25Y 53 63	10YR58	3 00 M	0	OOMNOO	00 Y	0	0	0		۲	1	Y
7	0 25	hc1	10YR42 00	10YR56	5 00 C			Υ	0	0	0				
	25 38	hc1	10YR53 00	10YR56	5 00 C			Y	0	0	0		۲	1	
	38 55	hc1	25Y 53 63	75YR58	3 00 M	0	OMNOO	00 Y	0	0	0		۲	1	
8	0-25	hc1	10YR42 00	10YR56	5 00 C			Y	0	0	0				
1	25-37	hc1	10YR53 54	10YR56	00 C			Υ	0	0	0		Ņ	1	
)	37-60	С	25Y 53 00	75YR58	3 00 M	0	OMNOO	00 Y	0	0	0		M	1	Υ
9	0 26	С	10YR53 00	10YR56	5 00 C	0	0MN00	00 Y	0	0	0				
	26 45	С	25Y 63 00	75YR56	M 00	0	OMNOO	00 Y	0	0	0		M	١	Y
•	45 65	С	25Y 72 00	10YR58	3 00 M	0	00MN00	00 Y	0	0	0		P	•	Υ

					10TTLES	P	ED			ST(ONES	- STRUCT/	SUBS		
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT C	OL.	GLEY	>2	>6 i	LITH TO	T CONSIST	STR POR	IMP SPL CALC	
10	0-27	hcl	10YR54 00	75/056		001		00 V		0	0				
	27-40	hc]	25Y 53 63					00 Y		0	0		M M	Υ	
	40-60	С	25Y 63 00	/51K30	3 UU M	UUI	INUU	00 Y	U	0	0		M	T	
11	0-27	hc1	25Y 53 00	ODMNOC	00 C				0	0	0				
	27 45	hc]	25Y 54 00					s	0		0		M		SLIGHTLY GLEYED
	45-65	С	25Y 53 63	75YR56	00 M	00M	NO0	00 Y	0	0	0		М	Y	
•															
12	0-25	hc1	10YR43 00	00MN00	00 F				0	0	0				
	25-37	hc1	10YR54 44							0	0		М		
]	37–65	С	25Y 52 00	75YR46	68 M	00M	NO0	00 Y	0	0	0		М	Υ	
13	0 25	hc1	10YR42 00	100056	. 00 E				0	0	0				
13	25-35	c	10YR53 00					Υ			0		М		
	35-55	c	25Y 53 63			00	1NOO	00 Y		0	0		M	Y	
											_				
14	0-25	hc1	10YR32 00	OOMNOO	M 00 (0	0 1	HR 2				
	25-44	hc1	10YR54 00	00MN00	00 C				0	0	0		M		
	44-55	С	25Y 53 00	75YR56	00 M	900	1N00	00 Y	0	0	0		M	Y	
	• • •								_						
18	0-27	hc1	10YR42 00 10YR63 00			004	MICO	Y 00 Y		0	0		м	v	
	27-48 48-65	c c	10YR61 00			UUI	11400	Y		0	0		M P	Y	
	40-03	Ü	TOTKOT OU	751100	, 00 11			,	Ŭ	J	·		•	•	
19	0-25	hc1	10YR43 00	10YR56	5 00 F				0	0	0				
19	25-60	С	25Y 53 00	10YR58	3 62 M	00M	1N00	00 Y	0	0	0		М	Y	
	60-85	С	25Y 53 00	10YR58	3 62 M	00M	1N00	00 Y	0	0	HR 10		М	Y	
	85–100	С	10YR61 00	10YR58	3 00 M			Υ	0	0	0		P	Y	
			0511 40 00												
20	0-29	hc]	25Y 43 00 25Y 53 63	10/05	3 00 H	00	***	00 V		0	0		u	v	
	29-55 55-70	c	10YR61 00			UUP		Y		0	0		M P	Y	
	33 70	Ü	TOTAGT GO	75110	, 00 11			'	Ť	Ū	·		•	•	
21	0-27	hcl	10YR42 00	10YR56	5 00 C			Υ	0	0	0				
	27-55	С	25Y 53 63	75YR46	5 58 M	00M	1NO0	00 Y	0	0	0		М	Υ	
22	0-25	hc1	10YR42 00					Υ	0	0	0				
	25 60	С	10YR72 0 0	75YR56	68 M			Υ	0	0	0		M	Y	
3	0.20	h1	100042-00						^	^	^				
23	0-30 30-38	hcl hcl	10YR43 00 10YR44 00	ООМЫОС	ו חח ב				_	0	0		М		
	38-65	hcl	25Y 52 62			MON	เมดด	00 Y	-	0	0		M		
	65-90	c	25Y 53 00					00 Y		0	0		M	Υ	
	-						-	•	-						
24	0-35	hcl	10YR43 00						0	0	0				
24	35-70	С	10YR53 00	10YR58	3 00 M	00M	1N00	00 Y	0	0	0		М	Y	
25	0-30	h¢1	10YR43 00							0	0				
2.5	30-39	С	10YR53 00			001	NO.	Υ		0	0		M	V	
	39-53 53-70	C	25Y 63 00 25Y 72 00			UUM	NUU	00 Y Y		0 1	HR 1 0		M P	Y	
	33-70	С	231 /2 00	/31K30	, 00 M			7	U	J	U		F	1	

COMPLETE LIST OF PROFILES 11/10/94 MAIDSTONE LP SITE 38

SAMPLE DEPTH TEXTURE COLOUR COL ABIN COMT COL CLEY > 2 SE LITH TOT CONSIST STR POR IMP SPL CALC	1					10TTLES	S	- PED			5	STONE	E\$	STRUCT/	SUBS		
27 48 6	SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	r COL	GLE	Y >2	2 >6	i LIT	гн тот	CONSIST	STR POR	IMP SPL CALC	
48-65	26	0 27	hc1	10YR43 00						() ()	0				
27 0-27 C 10YR43 00 10YR56 00 F 0 0 0 0 0		27 48	С	10YR53 54	10YR56	5 00 M			Υ	/ () ()	0		М		
27-48		48-65	С	25Y 71 00	10YR56	5 00 M			Y	() ()	0		Р	Υ	
48-65	27	0-27	c	10YR43 00	10YR56	5 00 F				(0 ()	0				
28 0-28 hc1 10VR43 00 0 0 0 0 0 M Y 28-55 c 25Y 63 00 10VR58 00 C 00MN00 00 Y 0 0 0 M Y 29 0 29 c 10VR43 44 10VR56 00 F 0 0 0 0 M Y 29 0 29 c 10VR43 44 10VR56 00 F 0 0 0 0 M Y 30 0 27 hc1 25Y 43 00 10VR58 00 M 00MN00 00 Y 0 0 0 M Y 40 55 c 25Y 53 00 10VR58 00 M 00MN00 00 Y 0 0 0 M Y 40 55 c 25Y 53 00 10VR58 00 M 00MN00 00 Y 0 0 0 M Y 31 0 28 hc1 10VR43 00 0 25Y 55 63 75VR56 00 M 00MN00 00 Y 0 0 0 M Y 32 0-26 hc1 10VR53 00 10VR58 00 M 00MN00 00 Y 0 0 0 M Y 33 0 -22 hc1 10VR53 00 10VR58 00 M 00MN00 00 Y 0 0 0 M Y 34 0 -25 hc1 10VR53 00 10VR58 00 C Y 0 0 0 M Y 35 0 -20 c 10VR53 30 10VR68 71 M 00MN00 00 Y 0 0 0 M Y 35 0 -20 c 10VR53 00 10VR56 00 C Y 0 0 0 M Y 36 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 37 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 38 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 39 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 30 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 30 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 30 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 31 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 32 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 34 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 35 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 36 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 37 0 27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 38 0 -27 hc1 10VR53 00 10VR56 00 C S 0 0 M Y 39 0 25 hc1 10VR53 00 10VR56 00 C S 0 0 M M Y 30 0 0 M Y 31 0 27 hc1 10VR53 00 10VR56 00 C S 0 0 M M Y 30 0 0 M M Y 31 0 27 hc1 10VR53 00 10VR56 00 C S 0 0 M M Y 31 0 27 hc1 10VR53 00 10VR56 00 C S 0 0 0 M M Y 31 0 27 hc1 10VR53 00 10VR56 00 C S 0 0 0 M M Y 32 0 25 hc1 10VR53 00 10VR56 00 C O 0 0 0 M M Y		27-48	С	25Y 63 00	10YR56	5 00 M		00MN00	00 Y	′ () ()	0		М	Y	
28-55 c 25Y 63 00 10YR58 00 C 00NN00 00 Y 0 0 0 0 M Y 2 5LIGHTLY GLEYED C 10YR53 00 10YR58 00 M 00NN00 00 Y 0 0 0 0 M Y 2 5LIGHTLY GLEYED C 10YR53 00 10YR56 00 C Y 0 0 0 M Y 2 5LIGHTLY GLEYED C 10YR53 00 10YR56	•	48-65	c	25Y 71 00	10YR56	5 00 M			Υ	′ () ()	0		Р	Y	
S5-60 C 25Y 63 00 10YRS8 00 M ODMNO0 00 Y 0 0 0 0	28	0-28	hc1	10YR43 00						() C	כ	0				
29 0 29 c 10YR43 44 10YR56 00 F 0 0 0 0 0 M Y 29-55 c 25Y 63 00 10YR59 00 M 00M00 00 Y 0 0 0 0 M Y 30 0 27 hc1 25Y 43 00 27 40 c 25Y 53 00 10YR58 00 M 00M00 00 Y 0 0 0 0 M Y 40 55 c 25Y 53 00 10YR59 46 M 00M00 00 Y 0 0 0 0 M Y 31 0 28 hc1 10YR43 00 0 0 0 0 M Y 32 0-26 hc1 10YR53 00 10YR56 00 C 0 0 0 0 M Y 35-70 c 10YR53 54 10YR68 71 M 00M00 00 Y 0 0 0 M Y 35-70 c 10YR53 54 10YR68 71 M 00M00 00 Y 0 0 0 M Y 35 0-20 c 10YR53 00 10YR56 00 C S 0 0 M Y 35 0-20 c 10YR53 00 10YR56 00 C S 0 0 M Y 40-65 c 10YR53 00 10YR56 00 C S 0 0 0 M Y 36 0-25 hc1 10YR53 00 10YR56 00 C S 0 0 0 M Y 36 0-20 c 10YR53 00 10YR56 00 C S 0 0 0 M Y 37 0 27 hc1 10YR52 00 10YR56 00 C Y 0 0 0 M Y 37 0 27 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 37 0 27 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 38 0-27 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 30 0 0 M Y 30 0 0 M Y 31 0 0 0 M Y 32 0 0 0 M Y 33 0 0 0 0 M Y 34 0 0 0 0 M Y 35 0 0 0 0 M Y 36 0 0 0 0 M Y 37 0 0 0 0 M Y 38 0 0 0 10YR56 00 C Y 0 0 0 M Y 39 0 0 0 10YR56 00 C Y 0 0 0 M Y 30 0 0 0 M Y 31 0 0 0 0 M Y 32 0 0 0 0 M Y 33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_	28-55	С	25Y 63 00	10YR58	3 00 C		00MN00	00 Y	() ()	0		М	Y	
29-55 c 25Y 63 00 10YR58 00 M 00MN00 00 Y 0 0 0 M Y 30 0 27 hc1 25Y 43 00 0 00MN00 00 Y 0 0 0 0 M Y 40 55 c 25Y 53 00 10YR58 00 M 00MN00 00 Y 0 0 0 M Y 31 0 28 hc1 10YR43 00 0 0 0 0 M Y 32 0-26 hc1 10YR53 00 10YR68 00 C Y 0 0 0 M Y 33-70 c 10YR53 54 10YR68 71 M 00MN00 00 Y 0 0 0 M Y 34 0-25 hc1 10YR53 00 0 M 00MN00 00 Y 0 0 0 M Y 35-70 c 10YR53 54 10YR68 71 M 00MN00 00 Y 0 0 0 M Y 35-60 c 10YR53 00 10YR55 00 C S 0 0 M Y 36 0-27 hc1 10YR53 00 10YR55 00 C S 0 0 0 M Y 37 0 27 hc1 10YR53 00 10YR56 00 M Y 0 0 0 M Y 38 0-25 hc1 10YR53 00 10YR56 00 C S 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M Y 39 0 25 hc1 10YR53 00 10YR56 00 C M 0 0 M M M M M M M M M M M M M M)	55-60	c	25Y 63 00	10YR58	3 00 M		00MN00	00 Y	() ()	0		M	Y	
30 0 27 hc1 25Y 43 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	29	0 29	С	10YR43 44	10YR56	5 00 F				() ()	0				
27 40)	29-55	С	25Y 63 00	10YR58	3 00 M		00MN00	00 Y	/ () ()	0		M	Y	
40 55 c 25Y 53 00 10YR58 46 M 00MN00 00 Y 0 0 0 M Y 31 0 28 hc1 10YR43 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30	0 27	hcl	25Y 43 00						() C)	0				
31 0 28 hc1 10YR43 00		27 40	С	25Y 53 00	10YR58	3 00 M		00MN00	00 Y	/ () ()	0		М	Y	
28 60 c 257 52 63 75YR56 00 M 00MN00 00 Y 0 0 0 M Y 32 0-26 hc1 10YR53 00 10YR68 00 C Y 0 0 0 M 26-35 hc1 10YR53 00 10YR68 00 C Y 0 0 0 M 35-70 c 10YR53 54 10YR68 71 M 00MN00 00 Y 0 0 0 M 25-60 c 10YR53 63 10YR68 72 C 00MN00 00 Y 0 0 0 M 35 0-20 c 10YR54 00 10YR56 00 C S 0 0 0 M 20-40 c 10YR54 00 10YR56 00 C Y 0 0 0 M 40-65 c 10YR53 00 10YR56 00 C Y 0 0 0 M 36 0-27 hc1 10YR53 00 10YR56 58 M Y 0 0 0 M 37 0 27 hc1 10YR53 00 10YR56 00 M Y 0 0 0 M 40-60 c 25Y 63 00 75YR58 00 M 00MN00 00 Y 0 0 0 M 37 0 27 hc1 10YR53 00 10YR56 00 C OMN00 00 Y 0 0 0 M 38 0-25 hc1 25Y 62 00 10YR56 00 C OMN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C M 39 0 25 mc1 10YR53 00 10YR56 00 C OMN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 30 0 0 M 30 0 0 0 M		40 55	С	25Y 53 00	10YR58	3 46 M		00MN00	00 Y	() ()	0		M	Υ	
32	31	0 28	hc1	10YR43 00						() ()	0				
26-35 hc1 10YR53 00 10YR68 00 C)	28 60	С	25Y 52 63	75YR56	6 00 M		00MN00	00 Y	/ () ()	0		М	Υ	
35-70 c 10YR53 54 10YR68 71 M 00MN00 00 Y 0 0 0 M Y 34 0-25 hc1 10YR53 00 0 0 0 0 M Y 25-60 c 10YR52 63 10YR68 72 C 00MN00 00 Y 0 0 0 M Y 35 0-20 c 10YR43 00 0 0 0 M Y 40-65 c 10YR53 00 10YR56 00 C Y 0 0 0 M Y 65-85 hc1 25Y 62 00 10YR56 58 M Y 0 0 0 M Y 36 0-27 hc1 10YR43 00 0 0 M Y 37 0 27 hc1 10YR43 00 0 0 M Y 38 0-25 hc1 10YR53 00 10YR56 00 C O O M O M Y 38 0-25 hc1 25Y 43 00 0 38 0-25 hc1 25Y 43 00 0 0 M Y 38 0-25 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M Y 39 0 25 mc1 10YR43 00 0 M O MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M	32	0-26	hel	10YR53 00						() ()	0				
34 0-25 hc1 10YR53 00	_	26-35	hc1	10YR53 00	10YR68	3 00 C			Υ	/ () ()	0		М		
25-60 c 10YR52 63 10YR68 72 C 00MN00 00 Y 0 0 0 M Y 35 00 M Y 0 0 0 0 M Y 0 0 0 0 M Y 0 0 0 0		35–70	С	10YR53 54	10YR68	3 71 M		00MN00	00 Y	/ () ()	0		М	Υ	
35	34	0-25	hc1	10YR53 00						() ()	0				
20-40 c 10YR54 00 10YR56 00 C S 0 0 0 M Y SLIGHTLY GLEYED 40-65 c 10YR53 00 10YR56 00 C Y 0 0 0 M M Y 0 0 0 M M Y 0 0 0 0]	25-60	c	10YR52 63	10YR68	3 72 C		00MN00	00 Y	/ () ()	0		М	Υ	
40-65 c 10YR53 00 10YR56 00 C Y 0 0 0 M Y 65-85 hc1 25Y 62 00 10YR56 58 M Y 0 0 0 0 M 36 0-27 hc1 10YR43 00 0 0 0 M Y 40-60 c 10YR53 00 10YR56 00 M 00MN00 00 Y 0 0 0 M Y 40-60 c 25Y 63 00 75YR58 00 M 00MN00 00 Y 0 0 0 M Y 37 0 27 hc1 10YR43 00 0 0 0 0 M Y 60 95 cs1 10YR53 00 10YR56 00 C 00MN00 00 Y 0 0 0 M Y 95 100 c 10YR63 00 10YR56 00 C Y 0 0 0 M Y 38 0-25 hc1 25Y 43 00 0 0 0 M Y 39 0 25 mc1 10YR53 00 75YR46 00 C 00MN00 00 Y 0 0 0 M 39 0 25 mc1 10YR53 00 75YR46 00 C Y 0 0 0 M 35-60 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M	35	0-20	С	10YR43 00						() (5	0				
65-85 hc1 25Y 62 00 10YR56 58 M Y 0 0 0 M 36 0-27 hc1 10YR43 00 0 0 0 0 0 M Y 0 0 0 M M Y 0 0 0 0		20-40	c	10YR54 00	10YR56	5 00 C			S	S (0 (כ	0		M	Υ	SLIGHTLY GLEYED
36		40-65	С	10YR53 00	10YR56	5 00 C			Υ	/ () ()	0		M	Y	
27-40 c 10YR53 00 10YR56 00 M Y 0 0 0 M Y 40-60 c 25Y 63 00 75YR58 00 M 00MN00 00 Y 0 0 0 M Y 37 0 27 hc1 10YR43 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•	65–85	hc1	25Y 62 00	10YR56	5 58 M			Y	/ () ()	0		M		
40-60 c 25Y 63 00 75YR58 00 M 00MN00 00 Y 0 0 0 M Y 37 0 27 hc1 10YR43 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	36	0-27	hc1	10YR43 00						() ()	0				
37 0 27 hc1 10YR43 00	,	27-40	С	10YR53 00	10YR56	00 M			Υ	′ () ()	0		М	Y	
27 60 c 10YR63 00 10YR56 00 C 00MN00 00 Y 0 0 0 M M Y 0 0 0 M M M M		40-60	С	25Y 63 00	75YR58	3 00 M		00MN00	00 Y	′ () ()	0		М	Υ	
60 95 cs1 10YR53 00 10YR56 00 C	37	0 27	hcl	10YR43 00						() ()	0				
95 100 c 10YR63 00 10YR56 00 C Y 0 0 0 M Y 38 0-25 hc1 25Y 43 00	-		С					00MN00	00 Y	′ () ()	0		М	Υ	
38	ì											-				.,	
25 60 hc1 10YR53 00 75YR46 00 C 00MN00 00 Y 0 0 0 M 60 100 hc1 10YR53 00 75YR46 00 C Y 0 0 0 M 39 0 25 mc1 10YR43 00 0 0 0 25 35 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR63 00 10YR58 00 M 00MN00 00 Y 0 0 0 M	,	95 100	С	TUYR63 00	IUYR56	00 C			Υ	, () (J	0		М	Υ	
60 100 hc1 10YR53 00 75YR46 00 C Y 0 0 0 M 39 0 25 mc1 10YR43 00 0 0 0 25 35 hc1 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hc1 10YR63 00 10YR58 00 M 00MN00 00 Y 0 0 0 M	38									-		_					
39 0 25 mcl 10YR43 00 0 0 0 25 35 hcl 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hcl 10YR63 00 10YR58 00 M 00MN00 00 Y 0 0 0 M								00MN00									
25 35 hcl 10YR53 00 10YR56 00 C Y 0 0 0 M 35-60 hcl 10YR63 00 10YR58 00 M 00MN00 00 Y 0 0 0 M)	60 100	hc l	10YR53 00	/5YR46	00 C			Y	, () (,	0		М		
35-60 hc1 10YR63 00 10YR58 00 M 00MN00 00 Y 0 0 0 M	39		mcl									-	0				
	}												_				
6U-1UU NCI IUYK63 UU IUYK58 56 M UUMNUU UU Y U U U M	-																
	ł	φυ− 100	nc i	101165 00	IUYR58	S DO M		UUMNUU	UU Y	• (, (,	U		M		

					MOTTLES									STRUCT/				
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	COL	GI	LEY	>2	>6	LITH	TOT	CONSIST	STR POP	≀ IMP	SPL (CALC
40	0-20	hc1	25Y 53 00							0	0		0					
•	20-38	hc1	10YR44 00							0	0		0		M			
	38-60	hc1	10YR63 00	10YR56	5 00 M				Y	0	0		0		М			
1	60-80	c	10YR63 00			(OOMNOO	00	Υ		0		0		М		Υ	
	80-120	С	10YR71 00	75YR56	5 00 C				Υ	0	0		0		P		Y	
41	0-29	hcl	10YR52 00							0	0		0					
l	29–70	С	10YR53 00	10YR68	3 62 C	(OOMNOO	00	Υ	0	0		0		М		Y	
42	0-27	hcl	10YR43 00							0	0		0					
1	27-38	hcl	10YR52 00	00MN00	00 F					0	0		0		M			
	38-70	С	10YR53 00	10YR68	3 00 C	(OOMMOO	00	Y	0	0	HR	10		М		Y	
43	0-26	hc1	10YR52 00							0	0		0					
i	26-55	С	10YR53 00	10YR68	3 72 C	(00MN00	00	Υ	0	0		0		M		Υ	
}	55-70	hc1	10YR53 54	10YR68	B 00 C	(00MN00	00	Υ	0	0		0		М			
	70–100	hc1	10YR54 00	10YR68	8 00 C	ı	00MN00	00	S	0	0		0		М			
44	0-33	hcl	10YR43 00							0	0		0					
	33 50	C	10YR54 00	OOMNO	00 F					0	Đ		0		М			
1	50 80	С	25Y 52 00	10YR58	9 00 M				Υ	0	0	SLST	5		М		Υ	
45	0 35	hcl	10YR43 00	10YR56	6 00 F					0	0		0					
	35-68	С	10YR53 00	10YR56	5 00 C	(OOMMOO	00	Υ	0	0		0		M		Y	
	68-90	С	25Y 52 62	10YR68	B 00 M	(OOMMOO	00	Υ	0	0	SLST	5		M		Υ	
46	0-25	hc1	10YR42 00							0	0		0					
ì	25-40	hc1	10YR53 00	10YR56	6 00 C				Y	0	0		0		М			
	40–65	С	10YR53 00	10YR58	B 00 M	(OOMNOO	00	Υ	0	0		0		M		Υ	
	65 90	hcl	25Y 53 00	10YR5	8 00 M	1	OOMNOO	00	Y	0	0		0		M			
47	0-35	hcl	10YR42 43	OOMNO	00 F					0	0		0					
,	35 45	hcl	10YR54 53							0	0		0		M			
)	45-90	С	25Y 53 61	10YR5	B 00 M	1	OOMNOO	00	Υ	0	0		0		М		Υ	
48	0-29	hc1	10YR43 00	10YR68	8 00 C				Y	0	0		0					
	29-55	С	10YR53 00	10YR68	B 62 C	1	OOMNOO	00	Υ	0	0		0		M		Υ	
1	55–70	С	10YR53 41	10YR68	B 00 M	ı	00MN00	00	Υ	0	0	HR	10		M		Υ	
49	0-26	с	10YR53 00							0	0		0					
,	26-45	С	10YR53 56	10YR68	9 00 C	(OOMMOO	00	Υ	0	0		0		M		Υ	
,	45-80	С	10YR53 56	10YR68	8 00 M	(OOMMOO	00	Y	0	0	HR	15		М		Υ	
50	0-30	hc1	10YR53 00							0	0		0					
	30-50	С	10YR53 00	10YR68	8 00 C	(OOMMOO	00	Y	0	0		0		M		Υ	
J	50-75	С	10YR53 31	10YR68	B 00 C		OOMMOO				0		10		M		Υ	
_	75–100	hc1	10YR53 66	10YR68	8 00 C	ı	OOMMOO	00	Y	0	0	HR	15		М			
A																		

program ALCO11

COMPLETE LIST OF PROFILES 11/10/94 MAIDSTONE LP SITE 38

page 5

P				MOTTLES-	PED			-STONE	S STI	RUCT/	SUBS			
SAMPLE	DEPTH	TEXTURE	COLOUR	COL ABUN	CONT COL	GLEY	> 2	>6 LIT	н тот соя	NSIST	STR POR IMP	SPL CALC		
5 1	0 28	hc1	10YR43 00				0	0	0					
	28 45	c		75YR46 00 C		Y		0 HR	5		М	Υ		
	45 65	С		10YR58 00 M	00MN00				0		M	Y	IMP WEATH	LIMEST 6
_														
52	0 28	hc1	10YR42 00	10YR56 00 C		Y	0	0	٥					
	28 60	С	10YR53 00	10YR58 00 C	00MN00	00 Y	0	0	0		M	Y		
	60 80	С	25Y 53 00	10YR58 00 M	00MN00	00 Y	0	0	0		M	Y		
	0.20	L-3	10/042 00					^	0					
53	0 30 30-60	hcl c	10YR42 00	10YR56 00 M		Υ	0	0	0		м	Υ		
_	60-80	c		10YR68 00 M		Y		0	0		P	Y		
	00-00		034101 00	101100 00 11		•	·	·	Ū		•	•		
54	0 30	hcl	10YR42 43				0	0	0					
_	30 40	С	25Y 53 00	10YR58 00 M	00MN00	00 Y	0	0	0		М	Υ		
l	40 70	С	05Y 62 00	10YR58 00 M		Y	0	0	0		Р	Y		
_ 55	0 26	С	10YR53 00	_				0	0					
		С		10YR68 00 C		Υ		0	0		M	Y		
	45 60	С	10YR53 56	10YR68 00 C		Y	U	0	0		М	Y		
5 6	0-35	С	10YR43 00				0	0	0					
	35-55	c		10YR56 00 C	00MN00	00 Y		0	0		М	Y		
		С		10YR56 00 C		Υ		O HR	20		М	Y	IMP WEATH	LIMEST 6
_														
57	0-30	hc1	10YR42 00	10YR56 00 F			0	0	0					
	30-60	С	10YR53 00	10YR58 00 M	00MN00	00 Y	0	0	0		М	Y		
_	60-80	С	25Y 53 00	10YR58 00 M	00MN00	00 Y	0	0	0		М	Y		
E0	0.25	_	100042 00	10YR56 00 F			^	^	0					
58	0-25 25-35	c c		107R58 00 F		Υ		0	0 0		М	Υ		
_		c		10YR58 00 M	00MN00			0	0		M	Y		
	•••	•			*******	•••	•	•	-		• •	·		
59	0 35	hcl	10YR42 43				0	0	0					
	35 45	hcl	10YR54 00	00MN00 00 F			0	0	0		М			
•	45-70			10YR58 00 M	OOMNOO			Đ	0		М	Y		
	70 120	С	25Y 62 00	10YR68 00 M	00MN00	00 Y	0	0	0		Р	Y		
- 60	0.25	5 _3	10/042 42				^	^	0					
60	0 35 35-60		10YR42 43		00MN00	00 V		0	0		P	v		
}	60 80	c		10YR58 00 M 10YR58 00 M	UUNINUU	00 T		0	0		P	Y		
	00 00	C	050101 00	101K36 00 11		•	٠	Ū	Ū		•	1		
61	0 35	hc1	10YR42 43				0	0	0					
	35 70			10YR56 46 M	00MN00	00 Y	0	0 HR	5		M	Y		
	70 120			10YR58 00 M	00MN00	00 Y	0	0	0		Р	Y		
62	0 35		10YR42 00					0	0					
	35-50			10YR58 00 M			0		0		M	Y		
ì	50-70	С	25Y 61 62	10YR68 00 M		Y	0	Ü	0		Р	Y		
J														

SAMPLE	DEPTH	TEXTURE	COLOUR		IOTTLES ABUN	CONT							STRUCT/ CONSIST		IMP S	PL (CALC
63	0-30	hcl	10YR42 43							0	0	0					
	30-50	hc1	10YR53 52	10YR58	00 M		00MN00	00	Υ	0	0	0		M			
_	50-80	С	25Y 62 00	10YR58	00 M		00MN00	00	Υ	0	0	0		Ρ		Y	
	80-120	c	05GY61 00	75YR58	00 M		00MN00	00	Y	0	0	0		Р	,	Y	
64	0-30	hc1	10YR42 00							0	0	0					
	30-40	С	10YR53 00	10YR56	00 C				Υ	0	0	0		M		Y	
f	40-70	С	25Y 53 00	10YR58	00 M		00MN00	00	Υ	0	0	0		М	•	Y	
65	0-33	hcl	10YR42 43							0	0	0					
_	33-45	С	25Y 53 63	10YR66	00 M		00MN00	00	Υ	0	0	0		М		Y	
	45 80	С	05GY61 00	10YR68	00 M		00MN00	00	Y	0	0	0		P		Y	
66	0-33	hcl	10YR43 42							0	0	0					
1	33-45	С	10YR53 00	10YR56	00 C		00MN00	00	Υ	0	0	0		M		Y	
	45-80	c	25Y 53 52	10YR58	00 M		00MN00	00	Υ	0	0	0		М	,	Y	
_	80-100	С	25Y 63 62	75YR58	00 M				Y	0	0	0		P		Y	