A1 PROPOSED GOLF COURSE (VALE OF WHITE HORSE LOCAL PLAN) GROVE, NR WANTAGE, OXFORDSHIRE AGRICULTURAL LAND CLASSIFICATION ALC MAP & REPORT MARCH 1994

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PROPOSED GOLF COURSE AT GROVE, NEAR WANTAGE, OXFORDSHIRE. AGRICULTURAL LAND CLASSIFICATION REPORT

1.0 Summary

1.1 ADAS was commissioned by MAFF's Land Use Planning Unit to provide information on land quality on an area of land near Grove in Oxfordshire, designated for possible future development as a golf course. This work forms part of MAFF's statutory input into the Vale of White Horse Local Plan.

1.2 Approximately 90 hectares of land north-west of Grove, near Wantage in Oxfordshire was surveyed in March 1994. The survey was undertaken at a detailed level of approximately one boring per hectare. A total of 81 borings and three soil inspection pits were 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.

1.3 The work was conducted by members of the Resource Planning Team in the Guildford Statutory Group of ADAS.

1.4 At the time of the survey the majority of the land on the site was under permanent grassland, with a small area of grass ley in the east of the site.

1.5 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 a previous survey carried out on this site in 1984, prior to the revision of the Agricultural Land Classification system.

Table 1 : Distribution of Grades and Subgrades

Grade	<u>Area (ha)</u>	% of Site	% of Agricultural Area
3b	64.1	71.9	75.4
4	20.4	22.9	24.0
5	0.5	0.6	<u>0.6</u>
Urban	2.4	2.7	<u>100.0</u> (85.0 ha.)
Non-agricultural	1.4	1.5	
Woodland	0.4	0.4	
Total area of site	89.2	<u>100.0</u>	

1.6 Appendix 1 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.

1.7 The agricultural land on the site has been classified as Subgrade 3b and Grades 4 and 5, with soil wetness and the occurrence of disturbed land being the main limitations. The majority of the land is classified as Subgrade 3b due to the presence of poorly structured clay subsoils that cause a significant drainage impedance, thereby leading to associated soil wetness problems. Some areas of land mapped as Grade 4 were waterlogged at the time of survey, the presence of hydrophilic plant species suggesting that this occurs for long periods throughout the year. Therefore it was considered appropriate to classify this land as Grade 4. Wet soils restrict plant and root development, and the opportunities for cultivations and grazing by livestock is limited due to the susceptibility of these soils to structural damage. Most of the agricultural land classified as Grades 4 and 5 is judged to be disturbed. This can be attributed to the previous use of the site as an airfield. Large tracts of land show disturbed soil profiles containing significant amounts of concrete rubble, particularly in the topsoil. Therefore

agricultural operations (especially mechanised cultivations) are severely restricted by these soil conditions. As a result, this land is only suitable for permanent grazing (Grade 4) and in areas of severe disturbance, rough grazing (Grade 5).

2.0 Climate

2.1 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.

2.2 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 (degree days Jan-June), 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 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 affect the site. However, climatic factors do interact with soil factors to influence soil wetness and droughtiness limitations.

Table 2 : Climatic Interpolation

SU 391 906
75
1437
649
139
107
100
1

3.0 Relief

3.1 The site rises gently from north to south lying at an altitude ranging between 75-85 metres. On no part of the site do gradient or relief pose any limitation to agricultural use.

4.0 Geology and Soils

4.1 The published geological sheet for the site (BGS Sheet 253 (Drift): Abingdon 1971) shows the underlying geology mapped as three types. The majority of the site is shown as being underlain by second terrace drift, with a band of Gault Clay and alluvium running from north-east to south-east across the site.

4.2 The published soils information for the area (SSEW Sheet 6: Soils of South East England 1983) shows the soils on the site to be of the Grove association. These are described as 'moderately permeable fine loamy calcareous soils over chalky gravel affected by groundwater. Some fine loamy over clayey soils with slowly permeable subsoils' (SSEW, 1983). Detailed field examination shows that the soils are best described as non-calcareous loamy soils with slowly permeable subsoils. Furthermore, it should be noted that soils showed signs of severe disturbance in some areas of the site.

5.0 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 Subgrade 3b. The majority of agricultural land on the site has been classified as Subgrade 3b, moderate quality land, with soil wetness as the main limitation. Soil profiles typically comprise heavy clay loam and clay topsoils overlying clay subsoils. The profiles show evidence of a wetness imperfection, with gleying occurring in the topsoils across much of the site and in the upper subsoils across all of the site. Three soil inspection pits were dug to assess the nature of the wetness problem. It is evident from these pits that the clay subsoils on the site have a poor substructural condition (strongly developed coarse angular blocky) and therefore act as a slowly permeable layer. The depth to the slowly permeable horizon varies across the site, ranging from 27 to 35 cm. It will severely impede soil drainage and these soils are therefore assigned to Wetness Class IV. When considered along with the topsoil texture and the field capacity days for the site, these soils can be classified as no better than Subgrade 3b. The slowly permeable layer causes a significant drainage impedance, resulting in problems associated with soil wetness. Wet soils restrict plant development (particularly rooting) and are also more susceptible to damage by cultivations and grazing livestock, the opportunities for which will be restricted.

5.4 <u>Grade 4.</u> Approximately 20 hectares of land on the site has been classified as Grade 4, poor quality land, with soil wetness and the presence of disturbed soils being the main limitations. An area of land in the west of the site was waterlogged at the time of survey. The presence of hydrophilic plant species such as <u>Juncus spp.</u> rush on this part of the site, suggests that these soils are waterlogged for long periods throughout the year. They are unlikely to benefit significantly from artificial drainage and Wetness Class V, Grade 4 is therefore appropriate.

During the course of the field inspection it became clear that large areas of land on the site showed signs of severe soil disturbance. This was evident from irregular soil horizons and textures, and the presence of brick and concrete rubble throughout the profile, particularly in the topsoil. The presence of disturbed soils can be directly attributed to the previous use of the site as an airfield. The degree of soil disturbance, particularly the rubble content of the topsoil, restricts both plant growth and any agricultural cultivations on this land. Therefore this land is restricted to use for permanent grazing, with an appropriate classification of Grade 4.

5.5 <u>Grade 5.</u> A small area of land in the south-east of the site has been classified as Grade 5, very poor quality land. This is due to the fact that soil disturbance on this land is very severe, and restricts it for use as rough grazing only.

5.6 <u>Urban</u>. Areas on the site mapped as urban include a disused rifle range, remnants of the old runway system and a silage clamp.

5.7 <u>Non-agricultural land.</u> Areas mapped as non-agricultural include scrub and two areas of woodland.

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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.

Sub-grade 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.)

REFERENCES

* British Geological Survey (1971), Sheet No.253 (Drift), Abingdon, 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 (1982), Sheet No.6, Soils of South East England, 1:250,000, and accompanying legend.

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

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

2. MOTTLE COL : Moule colour

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

the second states

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 stonesMSST : soft, medium or coarse grained sandstoneSI : soft weathered igneous or metamorphicSLST : soft oolitic or dolimitic limestoneFSST : soft, fine grained sandstoneZR : soft, argillaceous, or silty rocksGH : gravel with non-porous (hard) stonesGS : 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

- <u>ped shape</u> 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	≥: GROVE (DXON-GOLF	COURSE		Pit	lumber	-: 1P	
Grid Refe	erence: SU3	39109040	Averag Accumu Field Land U Slope	e Annu lated Capaci Ise and As	al Ra Temper ty Lev pect	infall rature vel	i: 649 e: 1437 : 138 c : Perma : de	mm degree days days anent Grass agrees
HORIZON	TEXTURE	COLOUR	STON	IES >2	тот.:	STONE	MOTTLES	S STRUCTURE
0- 33	С	25Y 41	00	0		2		
33- 70	С	25Y 52	53	0		2	м	STCAB
Wetness (Grade : 3B		Wetnes	s Clas	S	: IV		
			SPL	'Y		:033	cm	
Drought (Grade :		APW :	mm	MBW	:	0 mm	
			APP :	mm	MBP	:	Umm	

FINAL ALC GRADE : 3B MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

Site Name	e: GROVE C)XON-GOLF	COURSE	Pit I	Number	: 2P	
Grid Refe	erence: SU3	8909080	Average Accumula Field Ca Land Use Slope ar	Annual Ra ated Temper apacity Lev ad Aspect	infall rature vel	: 649 m : 1437 d : 138 da : Perman : deg	m egree days ys ent Grass rees
HORIZON	TEXTURE	COLOUR		5 >2 TOT.;	STONE	MOTTLES	STRUCTURE
0- 20	HCL	25Y 41	00 0		0	F	
20- 28	C	05Y 51	00 0		0	с	MDCSAB
28- 60	c	05Y 53	00 0		0	м	STCAB
Wetness (Grade : 38		Wetness Gleying SPL	Class	: IV :020 (:028 (cm cm	
Drought (Grade :		APW : APP :	man MBW man MBP	: (0 mm 0 mm	

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FINAL ALC GRADE : 3B MAIN LIMITATION : Wetness

SOIL PIT DESCRIPTION

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Site Name : GROVE OXON-GOLF	COURSE Pit !	Number: 3P											
Grid Reference: SU39309030 Average Annual Rainfall : 649 mm Accumulated Temperature : 1437 degree days Field Capacity Level : 138 days Land Use : Permanent Grass Slope and Aspect : degrees													
HORIZON TEXTURE COLOUR 0- 35 C 25Y 42-0 33- 65 C 25Y 53-	STONES >2 TOT.: 0 0 0	STONE MOTTLES STRUCTURE O F O M STCAB											
Wetness Grade : 3B	Wetness Class Gleying SPL	: IV :035 cm :035 cm											
Drought Grade :	APW : mm MBW APP : mm MBP	: 0 mm : 0 mm											

FINAL ALC GRADE : 3B MAIN LIMITATION : Wetness

SAMP	ĽΕ	ASF	ECT			WET	NESS	-WHE	EAT-	-P0	TS-	м.	REL	EROS	n fro	DST	CHEM	ALC	
NO.	GRID REF	USE	GRDN	T GLE	/ SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLOOD	I	EXP	DIST	LIMI	T	COMMENTS
1	SU38909100	PGR		O	027	4	3B		0		0						WE	3B	
10	SU39109040	PGR		033	033	4	3B		0		0						WE	3B	
2	SU39009100	PGR		045	025	3	3B		0		0						WE	3B	
 2P	SU38909080	PGR		020	028	4	3B		0		0						WE	3B	
3	SU39109100	PGR		0	025	4	3B		0		0						WE	3B	
3F	SU39309030	PGR		035	035	4	3B		0		0						WE	3B	
4	SU39209100	PGR		0	025	4	3B		0		0						WE	3B	
5	SU39309100	PGR		0	025	4	3B		0		0					Ŷ	DS	4	DISTURBED
6	SU38609090	PGR		025		2	ЗA		0		0						WE	- 3 A	
7	SU38709090	PGR		030	030	4	38		0		0						WE	3B	
	000000000	DCD		0	025	4	28		0		n						ыF	3R	
0	202020303030			020	023	4	30		0		0						WE	38	
10	5030909090			0.00	027	4	38		n		ñ						WF	38	
11	SU39009090			0	024	4	38		0		n						WF	38	
12	000000000000000000000000000000000000000			0	024	т л	38		ň		ň						WF	3B	
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13	SU39309090	PGR		030	055	3	3B		0		0					Y	DS	4	DISTURBED
14	SU39409090	PGR		0	050	3	3B		0		0					Y	DS	4	DISTURBED
15	SU39509090	PGR		0	024	4	3B		0		0						WE	3B	
16	SU38609080	PGR		0	035	4	3B		0		0						WE	3B	
17	SU38709080	PGR		025	025	4	3B		0		0						WE	ЗB	
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18	SU38809080	PGR		0	019	4	38		0		0						WE	35	
19	SU38909080	PGR		0	025	4	3B		0		0						WE	30	
20	SU39009080	PGR		0	024	4	3B		0		U						WE	38	
21	SU39109080	PGR		0	050	3	38		U		0						WE	30	
22	SU39209080	PGR E	E 03	035	035	4	38		U		U						WE	30	
23	SU39309080	PGR 8	E 03	0	020	4	3B		0		0					Ŷ	DS	4	DISTURBED
24	SU39409080	PGR E	E 03	035	035	4	ЗB		0		0					Y	DS	4	DISTURBED
25	SU39509080	PGR		053	053	2	ЗА		0		0						WE	3A	
26	SU39609080	PGR		024	024	4	ЗB		0		0						WE	3B	
28	SU38709070	PGR		025	025	4	3B		0		0						WE	3B	
29	SU38809070	PGR		0	030	4	3B		0		0						WE	3B	
30	SU38909070	PGR		0	025	4	3B		0		0						WE	38	
31	SU39009070	LEY E	E 02	0	025	4	3B		0		0						WE	38	
32	SU39109070	LEY E	E 02	035	035	4	3B		0		0						WE	3B	
33	SU39209070	PGR		0	027	4	3B		0		0						WE	3B	
31	SU30300070	PGP		n		2	38		0		n					Y	DS	4	DISTURBED
35	SUI30/00070	PCP		0		2	38		n		ñ					Ŷ	DS	4	DISTURBED
35	SU33403070	DCD		0	055	2	38		n		ñ					Ŷ	DS	4	DISTURBED
27	0100030200	DCD		025	025	4	3B		n		n						WF	3B	
20	5033003000	PGP		025	035	Δ	3B		ñ		õ						WE	3B	
30	3030705000	run		0	600	-7			v		v								
39	SU38809060	PGR S	S 03	0	030	4	3B ·		0		0						₩E	3B	
40	SU38909060	PGR S	S 03	0	025	5	4		0		0						WE	4	WATERLOGGED

SAMP	LE	A	SPECT				WETI	NESS	-WHE	EAT-	-P0	TS-	М.	REL		EROSN	FRC	DST	CHEM	ALC	
NO.	GRID REF	USE		GRDNT	GLE	(SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLC	DOD	E	XP	DIST	LIMIT	•	COMMENTS
41	5039009060	I FV	พม	02	025	025	4	3B		0		0							WE	3B	
42	SU39109060	PGR		02	025	020	2	3A		0		Ō						Ŷ	DS	4	DISTURBED
13	SU39209060				0_0		2	34		Ň		ň						Ŷ	DS	4	DISTURBED
- 43	5039209000	DCD			027	027	1	38		ň		ň						Ý	DS	4	DISTURBED
44	2033203000	DCD			027	027	1	2		n		0						Ý	DS	4	DISTURBED
45	3033409000	Pur					1	2		v		Ŭ						•		·	
46	SU38609050	PGR			0	020	5	4		0		0							WE	4	WATERLOGGED
48	SU38809050	PGR			0	020	5	4		0		0							WE	4	WATERLOGGED
49	SU38909050	PGR			0	030	5	4		0		0							WE	4	WATERLOGGEC
51	SU39109050	PGR			028	028	3	3B		0		0							WE	3B	
52	SU39209050	PGR			028	028	4	3B		0		0							WE	3B	
53	SU39309050	PGR			038	038	3	3B		0		0							WE	3B	
54	SU39409050	PGR			027	027	4	3B		0		0							WE	3B	
55	SU38609040	PGR			0	025	4	3B		0		0							WE	3B	
60	SU39109040	PGR			028	028	4	3B		0		0							WE	3B	
61	SU39209040	PGR			028	028	4	3B		0		0							WE	38	
62	\$1139309040	PGR			025	025	4	3B		0		0							WE	3B	
63	SUBBANGOAD	PGR			036	036	4	38		0		0							WE	3B	
= 6/	\$1139609030				000	035	4	38		ñ		Ő							WE	3B	
6	5038003030				030	030	4	38		Ň		ň							WF	3B	
67	5038709030				0.00	030	4	38		0 0		ň							WE	3B	
- 07	2020209030	FUR			Ū	0.00	7	55		Ŭ		Ū									
68	SU39009030	PGR			0	030	4	3B		0		0							WE	3B	
69	SU39109030	PGR			050	050	2	3A		0		0							WE	3A	
70	SU39209030	PGR			020	020	4	3B		0		0							WE	3B	
71	SU39309030	PGR			025	025	4	3B		0		0							WE	3B	
72	SU39409030	PGR			035	035	4	3B		0		0							WE	3B	
- 73	51138600020				n		2	34		0		n							WE	3A	
75	5030003020				n n	020	4	38		0		0							WE	3B	
	5030003020				025	020	4	38		n v		n N							WE	38	
77	SU39009020				020	025	~	38		0		ň							WF	38	
	2039109020				025	035	4	30		ň		0							WF	38	
/9	2029209020	PGK			035	035	4	50		Ŭ		Ŭ							~~ <u>~</u>		
80	SU39309020	PGR			025	025	4	3B		0		0							WE	3B	
81	SU39409020	PGR			0	030	4	3B		0		0							WE	38	
83	SU38709010	PGR			0	025	4	3B		0		0							WE	38	
84	SU38809010	PGR			0	020	4	3B		0		0							WE	38	
85	SU38909010	PGR			0	030	4	3B		0		0							WE	3B	
86	SU39009010	PGR			0	035	4	38		0		0							WE	3B	
87	SU39109010	PGR			060	060	2	3A		0		0							WE	3A	
88	SU39209010	PGR			0	035	4	3B		0		0							WE	38	
89	SU39309010	PGR			Ó	025	4	3B		0		0							WE	3B	
90	SU38709000	PGR			Ő	030	4	3B		0		0							WE	3B	
92	SU38909000	PGR			0	020	4	3B		0		0							WE	38	
93	SU39009000	PGR			0	030	4	3B		0		0							WE	3B	

				MOTTLES		PED			-STC)NES-		STRUCT,	/ :	SUBS	s					
SAMPLE	DEPTH	TEXTURE	COLOUR	COL ABUN	CONT	COL.	GLEY	>2	>6 L	ITH	тот	CONSIS	T :	STR	POR	IMP	SPL	CALC		
1	0-27	hc1	25Y 41 00	10YR56 00 C			Y	0	0 H	IR	1									
	27-45	с	25Y 53 00	05Y 51 00 M			S	0	0		0			Ρ			Y			
	45-120	с	25Y 52 51	75YR56 00 C			Y	0	0 H	IR	1			Ρ			Y			
1P	0-33	с	25Y 41 00					0	0 H	łR	2									
	33-70	с	25Y 52 53	75YR78 00 M			Y	0	0 5	SLST	2	STCAB	VM	Ρ	Y		Y			
2	0-25	hc1	25Y 41 00					0	0 H	IR	1									
	25-45	с	25Y 53 00	25Y 52 00 C			S	0	0 H	IR	1			Ρ			Y			
_	45-70	с	05Y 63 00	75YR56 00 C			Y	0	0 1	IR	5			Ρ			Y			
2P	0-20	hc1	25Y 41 00	10YR56 00 F				0	0		0									
•	20-28	с	05Y 51 00	10YR56 00 C			Y	0	0		0	MDCSAB	FM	м						
	28-60	с	05Y 53 00	10YR56 00 M			Y	0	0		0	STCAB	FM	Ρ	Y		Y			
3	0-25	с	25Y 41 00	75YR56 00 C			Y	0	0 F	IR	1									
•	25-60	с	05Y 63 62	75YR56 00 M			Y	0	0 H	IR	2			Ρ			Y			
3P	0-35	с	25Y 42-00	10YR58- F				0	0		0									
-	35-65	с	25Y 53-	75YR58 00 M			Y	0	0		0	STCAB	FM	Ρ	Y		Y			
4	0-25	hc]	25Y 41 00	75YR56 00 M			Y	0	0 F	IR	1									
	25-60	с.	05Y 51 00	75VR56 00 M			v v	ñ	0 1	18	1			р			Y			
	20 00	C	001 01 00				•	Ŭ	Ű,					•			·			
5	0-25	с	25Y 42 00	10YR56 00 C			Y	0	0 H	IR	3								distur	bed
	25-60	с	25Y 42 52	10YR56 00 C			Y	0	0 F	łR	5			Ρ			Y		profil	Э
6	0-25	hc]	25Y 42 00					0	0 F	IR	3									
	25–35	с	25Y 52 00	10YR58 00 C			Ŷ	0	0		0			Μ						
	35-80	hcl	05Y 62 00	10YR58– C			Y	0	0 0	CH	30			Μ						
7	0-30	hc1	25Y 42 00					0	0		0									
	30-65	с	25Y 62 00	10YR58 61 C			Y	0	0		0			Ρ			Y			
8	0-25	hc]	25Y 42 32	10YR56 00 C			Y	0	0		0									
	25-38	с	05Y 53 00	10YR56 00 C			Y	0	0		0			Ρ			Y			
	38-60	с	05Y 53 00	75YR56 00 C			Y	0	0		0			Ρ			Y			
9	0-27	с	25Y 41 00	10YR56 00 F				0	0		0									
•	27-38	с	25Y 53 00	25Y 52 00 C			S	0	0		0			Р			Y			
ł	38-60	с	25Y 52 53	75YR56 00 C			Y	0	0		0			₽			Y			
10	0-24	hc]	25Y 41 00	75YR56 00 C			Y	0	0		0									
	24-45	c	05Y 52 00	10YR56 00 C			Ý	0	0		0			Ρ			γ			
	45-60	c	25Y 53 00	75YR58 00 M			Ŷ	0	0		0			P			Ŷ			
) 11	0-24	C	259 41 00	752856 00 0			v	n	n		n									
1	24_70	c c	057 62 00	10YR56 66 C			v	0 0	n n		n n			Р			v			
	L7-70	÷					,	~	~		~			•			•			

SAMPLE DEPTH

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page 2

disturbed

disturbed profile

profile

			Mi	OTTLES		PED			STONES	STRUCT	/ SUBS	
DEPTH	TEXTURE	COLOUR	COL /	ABUN	CONT	COL.	GLEY	>2	>6 LITH	TOT CONSIST	STR POR	IMP SPL CALC
0-24	с	25Y 41 00	75YR56	00 M			Ŷ	0	0 HR	1		
24-38	с	25Y 53 00	75YR58	00 C			Y	0	0	0	Р	Y
38-60	с	25Y 52 00	75YR58	00 M			Y	0	0	0	Ρ	Y
0-20	с	25Y 42 00	10YR56	00 F				0	0 HR	3		
20-30	с	25Y 42 00	10YR56	00 F	25	Y 32	00	0	0 HR	5	м	
30-55	с	25Y 42 00	10YR56	00 C			Ŷ	0	0 HR	10	м	
55-120	с	05Y 42 00	75YR56	00 C	25	Y 63	00 Y	0	0 HR	5	Р	Y
0-20	с	25Y 42 00	75YR56	00 C	05	Y 52	00 Y	0	0 HR	5		
20-40	с	25Y 42 00	75YR56	00 C	25	Y 32	00 Y	0	0 HR	5	М	
40-50	hc1	25Y 41 00	75YR56	00 M			Y	0	0	0	М	
50-80	с	05Y 62 63	75YR56	00 M			Ŷ	0	0	0	Ρ	Y

-	50-80	с	05Y 62 63	75YR56 00	М	١	1	0	0	0	Ρ	Y	
15	0-24	hc1	25Y 42 00	75YR56 00	с	Ŋ	(0	0	0			
	24-60	с	25Y 63 64	75YR58 00	м	١	1	0	0	0	Ρ	Y	
16	0-35	с	10YR52 00	10YR58 00	с	١	1	0	0	0			
	35-60	С	10YR51 00	10YR58 00	М	Ň	ł	0	0 CH	20	Ρ	Y	
17	0-25	hc1	10YR41 51					0	0	0			
	25-65	с	25Y 52 00	10YR58 61	М	Ň	(0	0 HR	5	Ρ	Y	
18	0-19	hc1	25Y 41 00	75YR56 00	С	١	(0	0	0			
	19-60	С	25Y 63 00	75YR56 58	М	Ň	(0	0	0	Р	Y	
- 19	0-25	с	25Y 41 00	75YR56 00	С	Ň	(0	0	0			
	25-46	с	25Y 53 00	75YR56 00	С	Ň	(0	0	0	Р	Y	
	46-60	с	05Y 53 00	75YR58 00	М	Ň	1	0	0	0	P	Y	
20	0-24	с	25Y 42 00	75YR56 00	с	Ň	(0	0	0			
J	24-60	с	25Y 53 00	75YR56 58	Μ	Ň	(0	0	0	Р	Y	
21	0-25	с	10YR42 00	75YR56 00	с	١	1	0	0	0			
·	25-50	с	25Y 42 00	10YR56 00	F	Y	(0	0	0	М		
	50-70	с	25Y 42 00	75YR56 00	М	Y	(0	o hr	5	Ρ	Y	
22	025	с	25Y 42 00	10YR56 00	F			0	0	0			
	25-35	с	25Y 53 00	10YR56 00	F			0	0	0	м		
_	35-60	С	25Y 53 00 1	75YR56 58	м	١	(0	0	0	Р	Y	
23	0-20	с	25Y 52 00	75YR58 00	с	١	1	0	0 HR	2			disturbed
	20-50	с	25Y 42 62	75YR56 00	С	05Y 63 00 Y	1	0	0 HR	3	Ρ	Ŷ	profile
24	0-20	с	25Y 41 00	10YR56 00	F		I	0	0 HR	1			
	20-35	с	05Y 41 00	10YR56 00	F		I	0	0	0	м		disturbed
	35-120	с	05Y 41 00	75YR56 00	С	25Y 41 00 1	1	0	0	0	Р	Y	profile

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COMPLETE LIST OF PROFILES 28/03/94 GROVE 0X0N-GOLF COURSE

ł				M	OTTLES	;	PED			-51	ONES	- STRUCT/	SUBS			
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	COL.	GLEY	/ > 2	>6	LITH TO	CONSIST	STR POR 1	MP SPL	CALC	
25	0-25	hc1	25Y 42 00						0	0	0					
	25-53	с	25Y 53 00	10YR56	00 F				0	0	0		м			
	53-80	с	05Y 52 00	75YR56	00 C			Y	0	0	0		Р	Ŷ		
26	0-24	hcl	25Y 42 00						0	0	0					
,	24-60	с	25Y 53 00	75YR56	00 C			Y	0	0	0		Ρ	Y		
28	0-25	hc1	25Y 42 00						0	0	0					
l	25-60	с	05Y 62 00	25Y 66	00 C		05Y 71	00 Y	0	0	0		Р	Y		
	60-85	с	05GY71 00					Ŷ	0	0	CH 25		м	Y	Y	
29	0-30	hc1	25Y 42 00	10YR58	00 C			Ŷ	0	0	0					
	30-65	с	25Y 62 00	10YR78	61 M			Y	0	0	0		Р	Y		
30	0-25	hc1	25Y 42 00	75YR56	00 C			Y	0	0	0					
l	25-60	с	25Y 53 00	75YR56	58 M			Ŷ	0	0	HR 1		Ρ	Ŷ		
31	0-25	hc]	25Y 42 00	10YR56	00 C			Y	0	0	HR 1					
J	25-60	с	25Y 53 00	75YR56	00 C			Ŷ	0	0	0		Р	Y		
32	0-25	hcl	10YR42 00						0	0	HR 2			·		
	25-35	с	25Y 54 00	75YR56	00 C			S	0	0	0		М			
	35-60	c	25Y 53 00	75YR56	00 M			Y	0	0	0		Р	Ŷ		
33	0-27	с	25Y 41 00	75YR56	00 C			Ŷ	0	0	0					
	27-48	С	25Y 52 00	75YR56	00 C			Y	0	0	0		Р	Y		
	48-60	с	25Y 53 00	75YR58	00 C			Y	0	0	0		Р	Y		
34	0-15	с	25Y 53 00	75YR56	00 C			Y	0	0	HR 30					disturbed
35	0-25	с	25Y 42 00	10YR56	00 F				0	0	HR 2					
	25-35	с	25Y 62 53	75YR58	00 M			Y	0	0	0		P			disturbed
•	35-50	с	25Y 41 00	75YR56	00 C			Y	0	0	HR 5		м			profile
36	0-20	с	05Y 41 00	75YR58	00 C			Ŷ	0	0	HR 3					
	20-45	с	25Y 41 53	10YR56	00 C			Y	0	0	HR 4		M			disturbed
	45-55	с	25Y 42 00					Y	0	0	MSST 20		м			profile
Ì	55-120	С	25Y 42 00	75YR56	00 C			Ŷ	0	0	HR 5		Р	Y		
1 37	0-25	hcl	25Y 42 00						0	0	0					
1	25-60	с	05Y 52 00	10YR58	00 C			Y	0	0	0		Р	Y		
	60-75	с	05GY71 00					Y	0	0	CH 10		м	Y		
38	0-35	hc]	25Y 42 00	10YR58	00 M			Y	0	0	0					
	35-50	с	25Y 52 00	10YR58	61 M			Y	0	0	0		Р	Y		
l	50-70	с	10YR51 00	10YR58	00 M		05GY71	00 Y	0	0	0		Ρ	Y		
39	0-30	hc1	25Y 42 00	10YR58	00 C			Y	0	0	0					
	30-45	с	10YR52 00	10YR58	61 M			Y	0	0	0		Р	Y		
•	45-60	с	25Y 52 00	10YR78	61 M			Y	0	0	0		Р	Y		

				MOTTLES	PED			-STONES	S STRUC	T/ SUBS		
SAMPLE	DEPTH	TEXTURE	COLOUR	COL ABUN	CONT COL.	GLEY	>2	>6 LITH	TOT CONSIS	ST STR PO	R IMP SPL CALC	
40	0-25	bc]	25Y 42 00	10YR58 00 C		Y	0	0	0			
	25-60	c	25Y 62 00	10YR58 61 M		Ŷ	0	0	0	Ρ	Y	
_ 41	0.05	h - 1	107042-00				0		1			
41	0-25	hC I	101K42 00	JEVDER OD M		v	0	0 11K	0	р	v	
	20-38	c	257 53 00	757858 00 M		v	n n	0	n	P	Ý	
_	30-00	C	231 33 00	751K36 00 H		'	Ŭ	Ŭ	v	•	•	
42	0-25	hcl	25Y 52 00	10YR56 00 F			0	0 HR	2			
	25-38	hc1	05Y 53 00	10YR58 00 C		Y	0	0 HR	2	м		disturbed
_	38-45	с	05Y 41 52	10YR56 00 F		Y	0	0 HR	3	м		profile
43	0-25	hcl	25Y 62 00	10YR56 00 C		Y	0	0	0			disturbed
- 44	0 27		057 51 00	10VP56 00 F			0	n	n			disturbed
-+-+	27-60	C	057 53 00	75YR56 00 M		v	ň	0	0	р	Y	profile
	27-00	C	001 00 00	, 511130 00 TT			Ŭ	·	Ū.	•	,	p
45	0-30	hc1	25Y 62 42	10YR56 00 F			0	0 HR	3			disturbed
	0.00	h - 7	2EV 42 00	10VDED 00 M		v	0	n	0			
46	0-20	nc I	251 42 00	101K36 00 PI		v	0	0	0	D	v	
	20-60	с	251 52 00	IUTKOB DI M		Ť	0	U	U	r	Ť	
48	0-20	hc1	25Y 42 00	10YR58 61 M		Ŷ	0	0	0			
-	20-60	с	25Y 52 00	10YR58 61 M		Y	0	0	0	P	Y	
	0.20	h.a.]	257 42 00	10V059 00 M		v	0	n	n			
49	30-50	nci	257 52 00	107R58 61 M		v	n	0	õ	р	Y	
	30-00	C	201 52 00			·	Ŭ	Ū	•		·	
51	0-28	с	25Y 41 00				0	0	0			
	28-60	с	25Y 52 51		10YR46	5 00 S	0	0	0	Р	Ŷ	
5 2	0_29		05V 41 00	10YR56 00 F			0	0	0			
52	28_60	с с	057 52 62	107R56 46 C		Y	Ő	õ	0	Р	Y	
	20 00	C					-	-	-	·		
53	0-38	hc1	25Y 42 62	10YR56 00 F			0	0 HR	2			
	38-90	с	05Y 53 00	75YR56 00 M		Y	0	0	0	Р	Y	
	o o-		054 41 00	100055 00 5			•	^	0			
54	0-27	с	251 41 00	104K56 00 F		v	0	0	0	р	v	
	27-60	С	251 53 00	751750 UU M		,	0	U	U	F	•	
55	0-25	hc1	25Y 42 00	10YR58 00 M		Ŷ	0	0	0			
	25-60	с	25Y 52 00	10YR58 61 M		Ŷ	0	0	0	Р	Y	
								_				
60	0-28	с	25Y 41 00				0	0	0	_		
	28-60	с	25Y 42 00	75YR56 00 C		Ŷ	0	0	U	Р	Ŷ	
61	0-28	с	25Y 41 00				0	0	0			
	28-60	c	25Y 53 00	75YR56 00 M		Y	0	0	0	Ρ	Y	

			r		MOTTLES	S	PED			-ST	ONES	STRUCT/	SUBS			
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	COL.	GLEY	>2	>6	LITH TOT	CONSIST	STR POR	IMP SP	L CALC	2
• ••										_	•					
62	0-25	с	25Y 41 00					.,	0	0	0					
J	25-60	¢	05Y 53 00	75YR50	6 00 M			Y	U	U	U		Р	Y		
63	0-36	с	25Y 41 00						0	0	0					
	36-60	с	25Y 52 53	75YR5	6 00 C			Y	0	0	HR 1		Р	Y		
- 64	0-25	hc]	25Y 42 00	10YR5	8 00 M			Y	0	0	0					
	25-35	hcl	10YR52 00	10YR5	8 61 M			Ŷ	0	0	0		м			
	35-60	с	25Y 52 00	10YR5	8 61 M			Y	0	0	0		Ρ	Y		
	0.00		051/ 40.00						^	~	0					
65	0-30	nc i	257 42 00	10000	o c1 M				0	0	0		-			
	30-00	С	251 52 00	IUTKO	8 0 I M			T	U	U	U		P	T		
67	0-30	hc1	10YR52 00	10YR5	8 61 C			Y	0	0	0					
	30-60	С	10YR62 00	10YR5	8 61 M			Y	0	0	0		Р	Y		
- 68	0-30	hcl	25Y 42 00	10YR5	8 61 C			Y	0	0	0					
	30-60	с	10YR62 00	10YR7	8 61 M			Ŷ	0	0	0		Р	Y		
}		-			· · ·											
69	0-30	hcl	10YR41 00	10					0	0	0					
	30-50	с	10YR52 00						0	0	0		Μ			
	50-80	с	10YR52 00	10YR5	8 61 M			Y	0	0	СН 10		Р	Y	Y	
70	0-20	hcl	25Y 42 00						0	0	0					
	20-60	c	10YR52 00	10YR7	8 61 M			Y	0	0	0		Р	Y		
71	0-25	hc1	25Y 42 00						0	0	0					
	25-60	С	10YR52 00	10YR7	8 61 M			Ŷ	0	0	0		P	Ŷ		
72	0-25	hc1	25Y 42 00						0	0	٥					
	25-35	с	05Y 52 00	10YR7	8 00 C			Y	0	0	CH 5		м			
	35-60	с	05Y 52 00	10YR7	8 00 M			Y	0	0	СН 20		Ρ	Ŷ		
- 73	0-30	bc]	107853 00	10785	8 00 M			v	0	n	HR 5					
	30-45	c	10YR52 00	10YR5	8 61 M			Ŷ	õ	0	0		м			
	45-80	hcl	25Y 42 00					Ŷ	0	0	0		м			
									~	~	•					
/5	0-20	с	10YR52 00	10YR5	8 61 M			Y	0	0	0		•	v		
j	20-60	С	104821 00	TUYRA	8 UU M			Y	U	U	U		P	Y		
77	0-25	c	10YR41 00						0	0	0					
	25-55	с	10YR52 00	10YR7	8 00 M			Y	0	0	0		Р	Y		
•	55-70	с	10YR42 00	10YR5	8 61 M			Y	0	0	0		Ρ	Y		
78	0-35	c	25Y 42 00	10YR5	8 00 M			Y	0	0	0					
	35-60	c	10YR52 00	10YR5	8 00 C			Ý	Ō	0	CH 15		м	Y		
-	60-90	c	10YR41 00	10YR7	8 00 M			Ŷ	0	0	0		P	Ŷ		

				MOTTL	LES	PED			-STONE	S	STRUCT/	SUBS	
SAMPLE	DEPTH	TEXTURE	COLOUR	COL ABUN	N CONT	COL.	GLEY	>2	>6 LIT	н тот	CONSIST	STR POR	IMP SPL CALC
79	0-35	с	25Y 42 00					0	0	0			
	35-60	c	10YR52 00	10YR58 61	м		Y	0	0	0		Р	Y
- 80	0-25	<u> </u>	100041 00					0	n	n			
	25-60	c	10VR62 00	10YR78_51	м		Y	ñ	0	Ő		Р	Y
		-					·	-	-	-			·
81	0-30	с	25Y 42 00	10YR58 00	С		Y	0	0	0			
	30-60	с	10YR62 00	10YR78 61	м		Y	0	0	0		Р	Y
83	0-25	с	25Y 42 00	10YR58 00	С		Y	0	0	0			
1	25-60	c	10YR62 00	10YR58 61	Μ		Y	0	0	0		Р	Y
84	0_20	~	257 12 00	10VP58 61	c		v	n	0	n			
U 4	20-60	с с	10VR52 00	10VR78 61	м		v	ñ	n	ñ		P	v
	20-00	C	TOTROE OU					v	v	Ŭ		ı	•
85	0-30	с	10YR41 00	10YR58 00	с		Ϋ́	0	0	0			
	30-60	с	10YR51 00	10YR78 00	М		Y	0	0	0		Р	Y
86	0-35	с	10YR41 00	10YR58 00	С		Y	0	0	0			
	35-60	с	10YR52 00	10YR58 61	Μ		Y	0	0	0		Р	Y
87	0-30	hc1	25Y 42 00					0	0	0			
	30-60	hcl	10YR41 00					0	0	0		M	
	60-90	с	10YR52 00	10YR58 61	M		Ŷ	0	0	0		Р	Y
88	0-35	c	257 42 00	10YR58 00	С		Y	o	0	0			
	35-60	c	10YR51 00	10YR78 00	M		Ŷ	0	0	0		Р	Y
	-	-											
89	0-25	с	25Y 42 00	10YR58 61	С		Y	0	0	0			
	25-60	с	10YR52 00	10YR58 61	М		Y	0	0	0		Р	Y
90	0-30	с	25Y 42 00	10YR58 00	С		Ŷ	0	0	0		-	
-	30-90	с	05GY71 00	10YR78 00	С		Ŷ	0	0 CH	20		Р	ΥΥ
92	0-20	^	257 42 00	107858 00	C		v	o	D	0			
	20-60	c c	107852 00	107858 61	M		v v	ñ	07	ň		Р	v
-	20-00	<u> </u>	TOTINGE OU				•	v	Υ <u>Γ</u>	×		•	•
93	0-30	с	25Y 42 00	10YR58 61	с		Y	0	0	0			
	30-60	с	10YR51 00	10YR78 00	м		Y	0	0	0		Р	Y