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HAMPSHIRE MINERALS PLAN
SITE 8 THE TRIANGLE RIDGE
AGRICULTURAL LAND CLASSIFICATION
ALC MAP & REPORT
NOVEMBER 1993

HAMPSHIRE MINERALS PLAN SITE 8 THE TRIANGLE RIDGE AGRICULTURAL LAND CLASSIFICATION REPORT

1 0 Introduction

- 1 1 ADAS was commissioned by MAFF s Land Use Planning Unit to provide information on land quality on a number of sites in Hampshire The work forms part of MAFF s statutory input to the preparation of the Hampshire Minerals Plan
- 1 2 Approximately 73 hectares of land relating to Site 8 west of the A31 and east of Gardener's Lane near Romsey in west Hampshire was surveyed during November 1993. The survey was undertaken at a detailed level of approximately one boring per hectare. A total of 71 soil auger borings and 5 soil inspection pits were assessed in accordance with MAFF is 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 survey 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 land on the site had been recently ploughed and sown with arable crops
- 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 5 000. It is accurate at this scale but any enlargement would be misleading. This map supersedes any previous information for this site.

Table 1 Distribution of Grades and Subgrades

<u>Grade</u>	Area (ha)	% of Site	% of Agricultural Area
3a	28 3	39 0	40 2
3b	42 1	58 0	59.8
Non Agricultural	0 9	1 2	$\overline{100}$ (70 4 ha)
Woodland	<u>13</u>	<u>18</u>	·
Total area of site	726	$1\overline{00}$	

- 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 majority of agricultural land surveyed has been classified as Subgrade 3b moderate quality land. Soil droughtiness and soil wetness are the main limitations to agricultural use. Where droughtiness is the principal limitation, moderately story topsoils are underlain by very or extremely story subsoils in association with underlying gravel deposits. Soil wetness is limiting where the presence of poorly structured clay horizons occur at shallow depths which significantly impede drainage. A significant proportion of the site has been classed as Subgrade 3a, good quality land. This land is also restricted by moderate soil droughtiness and wetness limitations. Profile characteristics are such that these limitations are less severe than for those described above and assigned to Subgrade 3b.

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 the 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
- 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. However, climatic factors do interact with soil factors to influence soil wetness and soil droughtiness limitations. At this locality, the high average annual rainfall and field capacity level increase the risk of soil wetness.
- 2 4 No local climatic factors such as exposure or frost risk affect the site

Table 2 Climatic Interpolation

Grid Reference	SU 334 188
Altıtude (m)	55
Accumulated Temperature	1493
(degree days Jan June)	
Average Annual Rainfall (mm)	852
Field Capacity (days) Moisture Deficit Wheat (mm)	180
Moisture Deficit Wheat (mm)	103
Moisture Deficit Potatoes (mm)	96
Overall Climatic Grade	1

3 0 Relief

4 1 The survey area is relatively flat lying at 55m AOD in the centre of the site and dropping gently to 50m AOD along the eastern and western boundaries of the site. Nowhere on the site does gradient or relief impose any limitation to the land quality

4 0 Geology and Soil

- 4 1 British Geological Survey (1973) Sheet 315 Southampton shows the entire site to be underlain by Plateau Gravel
- 4 2 The published soils information for this site as shown on the Soil Survey map of South East England (SSEW 1983 1 250 000) shows the site to comprise the Sonning 2 Association. These soils are described as well drained flinty coarse loamy and sandy soils mainly over gravel. Associated with slowly permeable seasonally waterlogged fine loamy over clayey soils and coarse loamy over clayey soils with slowly permeable subsoils and slight seasonal waterlogging. (SSEW 1983)

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

Subgrade 3a

- 5 3 Approximately two fifths of the agricultural land surveyed has been classified as Subgrade 3a good quality land Soil droughtiness and soil wetness are the key limitations
- 5 4 Soil wetness is a limitation to land quality in the north of the site and to the east of Silverwood House Topsoils comprise medium clay loams which are underlain by heavy clay loam or sandy clay loam upper subsoils and clay lower subsoils. Drainage is moderately impeded by the presence of a slowly permeable layer at varying depths. Half of the profiles within this mapping unit have gleyed upper subsoils (i.e. they are gleyed within 40cm) and have poorly structured clay layers from approximately 49cm. Such profiles are typified by Pit 1. The remaining profiles are gleyed and slowly permeable from approximately 45 60cm. The relatively high field capacity level (180 FCD) at this locality means that these profiles are assigned to Wetness Class III In addition three profiles are eligible for Wetness Class II two being gleyed and slowly permeable from 65cm the remaining being gleyed within 40cm but not slowly permeable within 80cm The interaction between these drainage characteristics and topsoil textures with the local climatic regime means this land can be graded no higher than Subgrade 3a This moderate soil wetness limitation adversely affects seed germination and survival plus inhibits the development of a good root system. This limits the range of crops which can tolerate such conditions. In addition, restrictions on cultivation, grazing by livestock and trafficking by machinery are imposed
- 5 5 The remainder of the land classified as Subgrade 3a has been downgraded because of a moderate soil droughtiness limitation Profiles typically comprise medium clay loam topsoils over medium or heavy clay loam upper subsoils which extend to approximately 65cm The majority of soil auger borings in these soils proved to be impenetrable below the upper subsoil Therefore a subsequent soil inspection pit (Pit 5) was dug to assess the profile conditions at depth. The pit showed the existence of a medium clay loam topsoil containing 15% total flints by volume An upper subsoil extending to 55cm was found to contain 40% total flints by volume This overlies a sandy clay loam horizon containing 41% total flints by volume which extends to 83cm. A heavy silty clay loam horizon containing 58% total flints by volume extends to depth. All subsoil structural conditions were assumed to be moderate From Pit 5 it could be seen that the profile was gleyed from 55cm but was not slowly permeable within 80cm. This profile is thereby assigned to Wetness Class I However the combination of soil textures profile stone contents and the substructural conditions with the local climatic regime means that this land is prone to a moderate soil droughtiness risk. Consequently, this land can be classified as no better than Subgrade 3a There is a moderate restriction on the profile available water of this land and the range of crops that can tolerate such conditions

Subgrade 3b

- 5 6 Approximately three fifths of the agricultural land surveyed has been classified as Subgrade 3b moderate quality land. This land is also restricted by soil wetness and soil droughtiness limitations. However, profile characteristics are such that these limitations are more severe than those described above and assigned to Subgrade 3a.
- 5 7 Land prone to significant soil wetness is mostly found in the north of the site and surrounding the southerly drain. Profiles typically comprise medium clay loam topsoils over heavier textured subsoils and are slightly stony throughout. These soils are gleyed within 40cm and have a poorly structured clay horizon within 45cm. Such profiles are typified by Pit 3. Due to the relatively wet climate of this locality (180 FCD) these soils are placed into Wetness Class IV. The interaction between these drainage characteristics topsoil textures and the local climatic regime means that this land can be graded no higher than Subgrade 3b. This wetness limitation adversely affects seed germination and survival plus inhibits the development of a good root system. This limits the crops which

can tolerate such conditions. In addition, restrictions are imposed on cultivations, grazing by livestock and trafficking by machinery

5 8 The remainder of the agricultural land classed as Subgrade 3b has been downgraded because of a significant soil droughtiness limitation. In the south of the site topsoils comprise slightly stony (10% total flints by volume) medium clay loams and sandy loams These overlie very stony (50% total flints by volume) upper subsoils. These upper subsoils mostly comprise medium clay loams but lighter and heavier soil textures also occur. The majority of soil auger borings within this mapping unit proved to be impenetrable below these upper subsoils Consequently Pit 2 was dug to investigate the soil conditions below this level. This showed the presence of a very stony (65% total flints by volume) gleyed clay lower subsoil In the north of the site the majority of soil auger inspections were impenetrable to the auger below the topsoil Pit 4 was dug to assess profile conditions at depth Topsoils comprise moderately stony (8% flints > 2cm by volume 38% total flints by volume) medium clay loams These are underlain by very stony (65% total flints by volume) medium clay loams to a depth of approximately 53cm. Lower subsoils consist of gravel and extend to depth Agricultural land typified by Pits 2 and 4 can be graded no higher than Subgrade 3b The combination of soil textures profile stone contents and subsoil structural conditions with the local climatic regime results in a significant restriction on the profile available water of this land and the range of crops that can tolerate such conditions

Non Agricultural

5 9 The Non Agricultural land shown on the map is occupied by an airstrip

Woodland

5 10 The Woodland marked on the map consists of mature deciduous trees

ADAS Ref 1512/212/93 MAFF Ref EL 15/00107 Resource Planning Team Guildford Statutory Group ADAS Reading

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 re claimed 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

REFERENCES

- * British Geological Survey (1973) Sheet No 315 Southampton 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 Sets for Agricultural Land Classification
- * Soil Survey of England and Wales (1983) Sheet 6 Soils of South East England 1 250 000 and accompanying legend

APPENDIX III

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 IV

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 a ger boring information collected during ALC feldwork is h ld on database. This h is commonly used otations and abbre lations is set out below

Boring Header Information

- 1 GRID REF national grid square and 8 f gure grid reference
- 2 USE Land se tth time of survey The following bore iation are sed
- ARA Arable WHT Wheat BAR Barley CER Cereals OAT O ts MZE Maize OSR Oilseed rape

 BEN Field Beans BRA Brass cae POT Potatoes SBT S gar Beet FCD Fodder Crops LIN Linseed

 FRT Soft and Top Fruit HRT Horticultural Crop PGR Permanent Pasture LEY Ley Grass RGR Rough Grazing

 SCR Scrub CFW Coniferou Woodland DCW Deciduous Woodland HTH Heathland BOG Bog or Marsh

 FLW Fallow PLO Ploughed SAS Set id OTH Other
- 3 GRDNT Gradient s measured by a hand-h ld optical Imometer
- 4 GLEY/SPL Depth in cm to gleying o slowly permeable layers
- 5 AP (WHEAT/POTS) Crop- dj sted ailabl w ter pa ity
- 6 MB (WHEAT/POTS) Moisture Balance
- 7 DRT Best grade according to soil dro ghun
- 8 If any of th f llowing f ctors are co sidered's gnificant an entry f Y will be entered in the rele ant column
- MREL M crorell f limitati FLOOD Flood risk EROSN So I ero on risk EXP Exposure limitat on FROST Frost DIST D sturbed la d CHEM Chemi I limitat
- 9 LIMIT The main limitation to land quelity. The following abbre lation are sed
- 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 Wetn WK Work bility
 DR Drought ER Soil Ero ion Risk WD C mbined Soil W in s/Dro ghtin ST Topsoil Sto iness

Soil Pits and Auger Borings

- 1 TEXTURE soil texture lasses are den ted by the following blre iation
- S Sand LS Loamy Sa d SL Sa dy 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 Organ Loam P Peat SP Sandy Peat LP Loamy Peat PL Peaty Loam PS Peaty Sand MZ Marine Light Silts
- Fo the sand loamy sand sa dy loam d sa dy sult loam classes the predominant iz of sa d fractio will be indicated by the se f prefix
- F Fin (more than 66% f th sa d less than 0 2mm)
- M Medium (less than 66% fine sand and less than 33% coarse sand)
- C Coarse (more than 33% f th sand larger than 0 6mm)
- The lay loam and silty lay loam classes will be s b-d ided according to the lay content
- M Medium (<27% clay) H Heavy (27 35% clay)

- 2 MOTTLE COL Mottle colour
- 3 MOTTLE ABUN Mottle bundance expressed percentag f th matrix or surf ce described
- F few <29 C commo 2 209 M many 20-40 VM ery many 40%+
- 4 MOTTLE CONT Mottle contrast
- F f mt ind stinct mottle e ident o ly on close inspection D distinct mottle are readily seen
- P prominent mottling is con picuou and on f th outstanding features f th horizon
- 5 PED COL Ped face colour
- 6 STONE LITH One fth f llowing sed

HR II hard rocks and sto MSST soft medium or coarse grained sandstone
SI soft weathered gneou or metamorphic SLST soft colutic or dolimitic limeston
FSST soft fine grained sandsto e ZR soft argillaceou or silty rock CH ch lk
GH gra el w th no porous (h d) sto es GS grav l w th poro s (soft) sto es

Sto co tents (>2cm >6cm a d total) are g en in percentages (by olum)

7 STRUCT the digree of declopment size and shipe if soil peds are described ing the fillowing obtation

d gree f de el pment WK we kly d v l ped MD moderately de loped ST stro gly de loped

ped 1ze F fin M med m C oarse VC ery coa se

ped h pe S ingl gram M mass e GR granula AB gular blocky SAB sub-ang la blocky PR prismatic PL platy

- 8 CONSIST So I co tence is d scribed ing the following otatio
- L loose VF ery friabl FR friabl FM firm VM ery firm EM trem ly firm EH xtrem ly hard
- 9 SUBS STR Subsoil stru tural co d t n ecorded fo the purpose of calcul ting prof l dro ghtm ss
- G good M moderate P poor
- 10 POR Soil poros ty If soil horiz h s less th 0 5% b pores > 0 5 mm Y will ppear in th s column
- 11 IMP If the profile is impe trabl Y will ppea in this column tith ppropiate h rizo
- 12 SPL Slowly permeable layer If th soil h rizo is slowly permeable. Y will pipe in this column
- 13 CALC If the so l h rizo s calcareous Y will ppear in this column
- 14 Other otat ons

APW a alable w ter capacity (in mrn) dj sted for wheat

APP ilabl water capa ty (in mrn) dj sted fo potatoe

MBW mo sture b lan wheat

MBP m ture balance potatoe

Site Name HANTS MINS SITE 8

Pit N mbe

1P

Grid Reference SU33341905 A e age Ann al Rainfall

Accumul ted Tempe t re

1493 degree days

Field Capac ty Level L nd Use 180 days A able

852 mm

Slope d Aspect

degrees

HORIZON	TEXTURE	COLOUR	STONES	2	TOT STONE	MOTTLES	STRUCTURE
0 35	MCL	10YR42 00	1		3		
35- 46	SCL	10YR63 00	0		5	С	MDCOAB
46 60	С	10YR53 00	0		5	C	MDVCSB
60 120	С	10YR53 00	0		7	M	WKCOAB

Wetness G ade 3A Wetne s Class III

Gley ng 035 cm SPL 060 cm

Drought G de 2 APW 130mm MBW 27 mm

APP 110mm MBP 14 mm

FINAL ALC GRADE 3A

MAIN LIMITATION Wetness

S te Name HANTS MINS SITE 8 P t N mber 2P

G id Reference SU33611907 Average A nual Ra nfall 852 mm

Acc mulated Temperat re 1493 degree days Field Cap c ty Le el 180 d ys

Field Cap c ty Le el 180 d ys

Land Use A able

Slope and Aspect degrees

HOR:	IZON	TEXTURE	COLOUR	STONES	2	TOT STONE	MOTTLES	STRUCTURE
0	27	MCL	10YR31 00	10		20		
27	40	MCL	10YR32 00	0		50		
40	120	С	10YR53 00	0		65	M	

Wetness Grade 2 Wetnes Class I

Gleying 040 cm SPL No SPL

Drought G d 3B APW 79 mm MBW 24 mm

APP 69 mm MBP 27 mm

FINAL ALC GRADE 38

MAIN LIMITATION Dro ghtiness

Site Name HANTS MINS SITE 8 PtNmbe

Grid Reference SU33381977 Ave age Annual Rai fall 852 mm

Accumulated Tempe at re 1493 degree days

3P

Field Capac ty Le el 180 days Land U e A able Slope and Aspect degree

HORI	ZON	TEXTURE	COLOUR	STONES	2	TOT STONE	MOTTLES	STRUCTURE
0	30	MCL	10YR32 00	7		22		
30	43	HCL	25Y 53 00	0		30	M	MMSAB
43	75	С	10YR53 00	0		0	M	WCSAB
75-	120	С	10YR53 00	0		0	M	MASSV

Wetness Class I۷ Wetne G de 38 Gley ng 030 cm SPL 043 cm

APW Drought Grad 2 125mm MBW 22 mm

APP 105mm MBP 9 mm

FINAL ALC GRADE 3B MAIN LIMITATION Wetness

S te Name HANTS MINS SITE 8

PtN mber 4P

G d Refere ce SU33901976 A ge Ann al Ra nfall

852 mm Acc mul ted Tempe t re 1493 degree day 180 days

F 1d C pa ty Level L d Use

Slope d A pect

deg ee

A ble

HORIZON TEXTURE COLOUR STONES 2 TOT STONE MOTTLES STRUCTURE

0 30 MCL 10YR32 00 8 38 30 53 MCL 10YR43 00 0 53 120 GH 75YR46 00 0 0 65 0

W t ss Cl s I Gley g cm W t ess Grad 2

SPL No SPL

Dro ght Grade 38 APW 55 mm MBW 48 mm

APP 52 mm MBP 44 mm

FINAL ALC GRADE 3B

MAIN LIMITATION Dro ght ess

Site Name HANTS MINS SITE 8 Pit N mbe 5P

G id Reference SU33491937 A e age A al Ra f 11 852 mm

Accumulated Temperat re 1493 degree days

Field Capacity Level 180 d ys
L nd U A able
Slope and Aspect degrees

HOR	IZON	TEXTURE	COLOUR	STONES	2	TOT STONE	MOTTLES	STRUCTURE
0	31	MCL	10YR32 00	0		15		
31	55	MCL	10YR42 00	0		40		MCAB
55	65	SCL	10YR62 00	0		41	С	
65	83	SCL	10YR62 00	0		41	M	
83	120	HZCL	10YR66 00	0		58	M	

Wetness G de 2 Wetne C1 s I G1ey ng 055 cm

Gley ng 055 cm SPL No SPL

Droght G de 3A APW 88 mm MBW 15 mm

APP 86 mm MBP 10 mm

FINAL ALC GRADE 3A

MAIN LIMITATION Drought ne

SAMP	LE	A.	SPECT				WETN	NESS	WHE	AT	P0"	TS-		1 REL	EROSN	FROST	CHEM	ALC	
NO	GRID REF			GRDNT	GLEY	SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLOOD	EX	P DIS	T LIMIT		COMMENTS
1	SU33602000	ARA					1	2	64	39	65	31	3B				DR	38	
1P	SU33341905	ARA			035	060	3	3A	130	27	110	14	2				WE	ЗА	SPL AT 60
	SU33702000				050		1	2	112		113	17	2				WD	2	
	SU33611907				040		1	2	79	24		27	3B				ĐR	3B	PIT DUG TO 110
3	SU33802000	ARA					1	2	97	6	107	11	3A				DR	ЗА	
_								22	105	^^			•					20	DIT 010 TO 75
	SU33381977				030	U43	4	3B	125		105	9					WE	3B	PIT DUG TO 75
4	SU33902000						1	2	075		075	21	3B				DR	38 38	IMPEN 57-Q DR GRAVEL 53 CM
_	SU33901976						1	2	55 054	48	э <u>г</u> 051	44 45	3B 3B				DR DR	3B 3B	IMPEN 42-Q DR
C.D.	SU34002000 SU33491937				055		1	2	88		86	10	3A				DR DR	3B	PIT DUG TO 88
ء ا	3033491937	AKA			033		,	۲	30	,,	80	10	JA				UK	JA	711 000 10 00
■ 6	SU34102000	ADA					1	2	051	52	048	48	4				DR	4	IMPEN 38 Q DR
7	SU33201990				035	035	4	3B	113		101	5	2				WE	3B	AUGD 100
	SU33301990				035	000	2	3A	061		058	38	3B				DR	3B	IMPEN 45-Q DR
8 9	SU33401990				045	045	3	3A	129		107	11					WE	3A	
10	SU33501990				030		3	3A	000		000	0					WE	3A	
•																			
11	SU33601990	ARA			040	040	4	3B	000	0	000	0					WE	3В	
12	SU33701990				035	045	4	3B	000	0	000	0					WE	3B	
— 13	SU33801990	ARA					1	2	90	13	95	1	ЗА				DR	3A	IMPEN 60-Q DR
14	SU33901990	ARA					1	2	071	32	068	28	38				DR	3B	IMPEN 45 Q DR
15	SU34001990	ARA					1	2	080	23	080	16	38				DR	3B	IMPEN 50-Q DR
16	SU34101990	ARA					1	2	055	48	052	44	3B				DR	3B	IMPEN 30 Q DR
1 7	SU33201980	ARA			028	035	4	3B	112	9	103	7	2				WE	3B	MC IA
18	SU33301980	ARA					1	2	068		065	31					DR	38	IMPEN 42-Q DR
19	SU33401980				029		4	3B	122		106	10					WE	3B	
20	SU33501980	ARA			025	025	4	3B	113	10	99	3	2				WE	3B	MC IV
								•		_			•						THOSEN 65 0 00
21	SU33601980				000		1	2	097		106	10					DR	3A	IMPEN 65 Q DR
22	SU33701980				030	049	3	3A	117		106	10	2				WE	3A	IMPEN 30 PIT4
23	SU33801980						1	2	055 065		052 062	44 34	3B 3B				DR DR	3B	IMPEN 35 PIT4
	SU33901980 SU34001980						1	2	057	••	054	42					DR DR	3B	IMPEN 32 PIT4
23	3034001300	AKA					•	-	UJ;	40	034	72	30				UK	30	Inten 32 F114
26	SU33201970	ADA			040	040	4	3B	94	q	100	4	ЗА				WE	3B	IMPEN 80-Q DR
	SU33301970				5-10	J-1V	1	2	68		68	28					DR	3B	IMPEN 40 Q DR
28	SU33401970				065	065	2	3A	122		108	12					WE	3A	
29	SU33501970					•••	1	2	86		89	7					DR	3A	IMPEN 55-Q DR
	SU33601970						1	2	078		075	21					DR	3B	IMPEN 45 Q DR
31	SU33701970	ARA			025	060	3	3A	121	18	107	11	2				WE	ЗА	
	SU33801970						1	2	95		101	5					DR		IMPEN 75-Q DR
33	SU33951970		N	04	060		2	2	91	12	96	0	ЗА				DR	ЗА	
34	SU33301960				030	030	4	38	122	19	101	5	2				WE	3B	SPL 30
35	SU33401960	ARA			070	070	2	3 A	125	22	107	11	2				WE	ЗА	SPL 70
36	SU33501960	ARA			060		1	2	101	2	107	11	ЗА				DR	3A	IMPEN 75-Q DR
37	SU33601960	ARA			028	028	4	3B	129	26	109	13	2				WE	3B	IMPEN 80-Q DR
_																			

SAMP	LE	p	SPECT	-			WETI	VESS	WHE	EAT	PO	TS	М	REL	EROSN	FRC	ST	CHEM	ALC	
NO	GRID REF	USE		GRDNT	GLEY	' SPL	CLASS	GRADE	AP	MB	AP	MB	DRT	FLOOD	E	XP	DIST	LIMIT		COMMENTS
38	SU33701960	ARA			050	050	3	3A	129	26	109	13	2					WE	ЗА	SPL 50
39	SU33801960	ARA			050		1	2	152	49	115	19	1					WE	2	GLEY 50
40	SU33301950	ARA			025	025	4	3B	000	0	000	0						WE	3B	
41	SU33401950	ARA	SE	01	035	060	3	3A	109	6	105	9	2					WE	ЗА	IMPEN 92-Q DR
42	SU33501950	ARA	SE	01			1	2	73	30	73	23	38					DR	3B	POSS 3A
43	SU33601950	ARA			048	048	3	3A	94	9	104	8	ЗА					WE	ЗА	IMPEN 70 Q DR
44	SU33701950	ARA			055		1	2	121	18	101	5	2					WD	2	IMPEN 100-Q D
45	SU33301940	ARA					1	2	56	47	56	40	38					DR	3B	IMPEN 45-Q DR
46	SU33401940	ARA			058	058	3	3A	104	1	95	1	3A					MD	3A	
47	SU33501940	ARA	Ε	01			1	2	89	14	93	3	3A					DR	3A	POSS PIT
48	SU33601940	ARA	E	01	032	045	4	3B	115	12	108	12	2					WE	3B	
49	SU33701940	ARA	E	01			1	2	89	14	93	3	3A					DR	ЗА	POSS 2 DR
50	SU33301930	ARA			045	045	3	3A	000	0	000	0						WE	ЗА	
51	SU33401930	ARA					1	1	74	29	77	19	3B					DR	3B	HARD ROCK 40
52	SU33501930	ARA			030	030	4	3B	000	0	000	0						WE	3B	
53	SU33601930	ARA			030	045	4	3B	000	0	000	0						WE	3B	
54	SU33301920	ARA			045	045	3	3A	97	6	94	2	3A					MD	3B	IMPEN 92 Q DE
55	SU33401920	ARA					1	2	47	56	47	49	4					DR	3B	IMPEN 32 Q DF
56	SU33501920				030	070	3	ЗА	113	10	108	12	2					WE	3A	
57	SU33601920	ARA			025	025	4	3B	131	28	109	13	2					WE	3B	
58	SU33301910	ARA			033	033	4	3B	112	9	97	1	2					₩E	3В	
59	SU33401910	ARA			038	045	4	3B	105		108	12	ЗА					WE	3B	IMPEN 85 Q DE
60	SU33501910	ARA			025	045	4	3B	000	0	000	0						ME	3B	
61	SU33601910						1	1	73	30	76	20						DR	3B	HARD ROCK 35
62	SU33301900	ARA			035	040	4	3B	107	4	98	2	3A					WE	3B	
63					042	055	3	3A	120		111	15						WE	ЗА	
64	\$U33501900						1	1	73		76	20	3B					DR	3B	HARD ROCK 35
	SU33601900						1	1	63		64		3B					DR	3B	
66	SU33401890				048		1	2	96		104	8	ЗА					DR	3A	IMPEN 65 Q DE
67	SU33501890	ARA					1	1	72	31	75	21	3B					DR	3B	HARD ROCK 35
68	SU33601890						1	1	73		75	21	3B					DR	3B	HARD ROCK 35
69	-						1	1	70		71	25						DR	3B	
70							1	1	82	21		9	3B					DR	38	
71	SU33501870	ARA					1	1	73	30	76	20	38					DR	3B	HARD ROCK 35

				_1	MOTTLES		PED			ST	ONES-		STRUCT/	, ,	urs				
SAMPLE	DEPTH	TEXTURE	COLOUR		ABUN	CONT		GLEY	2				CONSIST			POR	IMP	SPL C	ALC
		, ,																	
1	0 30	mcl	10YR32 00						0	0	HR	15							
	30 50	mc1	10YR32 00						0	0	HR	50			М				
	50 120	gh	10YR33 00						0	0		0			М				
1P	0 35	mcl	10YR42 00							0		3							
_	35 46	c1	10YR63 00	-	-			Υ	0	0		5							
_	46 60	С	10YR53 00					Υ	0		HR	5							
	60 120	С	10YR53 00	75YR5	8 00 M	2	5YR46	00 Y	0	0	HR	7	WKCOAB	FM	Р	Y		Υ	
		_	104030 00						_	_		_							
2	0 30	mc]	10YR33 00							0		6							
	30 50	mcl	10YR34 00	10VDE	0 00 0			v		0		3			M				
	50 80	mc1	10YR51 00 10YR33 00	IUTKO	5 00 C			Y	0	0	nĸ	3 0			M M				
	80 120	gh	101833 00					,	U	U		U			М				
2P	0 27	mcl	10YR31 00						10	a	HR	20							
	27 40	mcl	10YR32 00							0		50		FR	м				
	40 120	c .	10YR53 00	10YR5	8 00 M			Υ		0		65		FM					
. 3	0 30	mcl	10YR33 00						0	0	HR	10							
_	30 70	mc1	10YR44 00						0	0	HR	10			М				
-	70 120	gh	10YR33 00						0	0		0			M				
3P	0 30	mc?	10YR32 00						7	0	HR	22							
_	30 43	h¢1	25Y 53 00					Υ	0	0	HR	30	MMSAB	FR					
	43-75	С	10YR53 00				5YR46		0	0		0	WCSAB	FM		Υ		Υ	
	75 120	С	10YR53 00	25YR4	6 00 M	10	OYR56	00 Y	0	0		0	MASSV	FM	Р	Υ		Y	
	0.00		100022 42							^	L/D	25							
4	0 29 29 57	mcl mal	10YR32 42 10YR42 00						0	0	nk HR	25 30			М				
	57 120	mcl gh	10YR33 00						0	0	пк	0			M				
	37 120	gn	1011055 00						٠	Ü		٠			• •				
49	0 30	mc1	10YR32 00						8	0	HR	38		FR					
"	30 53	mc l	10YR43 00						0		HR	65		FR	М				
	53 120		75YR46 00							0		0			Р				
		•																	
5	0 30	mc1	10YR32 00						8	0	HR	38							
	30 42	hc1	10YR43 00						0	0	HR	45			M				
	42 120	gh	10YR33 00						0	0		0			M				
5P	0 31	നാ	10YR32 00							0		15							
•	31 55	mcl	10YR42 00							0			MCAB	VF					
	55 65	scl	10YR62 00					Y		0		41		FR					
_	65 83	c1	10YR62 00					Y		0		41		FR					
_	83 120	h c1	10YR66 00	/5YR5	R OO W			Y	0	0	HK	58		FR	M				
_	0.20		100000 00						٥	0	UP	20							
. 6	0 30 30 38	mcl hcl	10YR32 00 10YR42 00							0		38 45			м				
_	38 120		101R42 00							0		43 0			M				
	~ 120	ייש							•	•		~			••				

				i	MOTTLES	S	PED			S	TONES	5	STRUCT/	SUBS	;		
SAMPLE	DEPTH	TEXTURE	COLOUR		ABUN	CONT		GLEY	2				CONSIST			MP SP	L CALC
7	0 29	mc1	10YR32 00						3		HR	8					
	29 35	С	10YR32 56						0		HR	4		M			
	35-45	С	10YR53 00				05YR46		0	0		0		P	Y	Y	
	45-75	C	10YR53 52				10YR58		0		HR	5		Р	Y	Y	
	75–100	scl	10YR52 00	TUYKS	BUUM	,	05YR46	UU Y	0	0		0		Р	Υ	Y	
8	0 35	mcl	10YR32 00						8	Λ	HR :	38					
_	35-45	mc1	10YR32 00	75YR5	8 00 C			Υ	0			25		М			
	45-120	gh	10YR33 00	701110				Ý	0	0		0		М			
_		3						·	_	_		_					
9	0 30	mcl	10YR33 00						0	0	HR	5					
9	30 45	hc1	10YR51 00						0	0	HR	3		М			
_	45-120	С	10YR51 00	10YR5	8 00 C			Y	0	0	HR	2		Р	Υ	Y	
_																	
10	0 30	mcl	10YR32 00						0		HR	5					
	30 50	hc1	10YR51 00					Υ	0		HR	3		M			
_	50 70	С	10YR51 00	10YR5	B 00 C			Y	0	0	HR	5		Р		Y	
11	0 40	mc1	10YR32 00						0	^	HR ·	10					
• ''	40 120	C	05YR62 00	10005	8 nn c			γ	0		HR	2		Р		Y	
_	40 120	C	טשוונט שט	(0110	3 00 0			τ.	Ü	ŭ	ruc.	٤		•		t	
12	0 35	mc1	10YR33 00						0	0	HR	6					
	35-45	hc1	10YR51 00	10YR6	8 00 C			Υ	0		HR	2		М			
_	45 120	С	10YR51 00	10YR5	8 00 C			Υ	0		HR	2		Ρ		Υ	
13																	
13	0 30	mcl	10YR32 00						0	0	HR	6					
	30 60	mcl	10YR34 00						0	0	HR	10		М			
1	60 80	h	10YR33 00						0	0		0		М			
	0.07		100042 00						_	_	UD.						
14	0 27 27 40	mcl mcl	10YR42 00 10YR43 00						3			15 25		М			
•	40 45	h 1	101R43 00						0			25 35		M			
	45 120	gh	10YR33 00						0	0	ar .	0		M			
	10 120	3	1011100 00							•		•		••			
15	0 25	mcl	10YR42 00						2	0	HR	6					
	25-50	mc1	75YR46 00								HR	6		M			
16	0 30	mcl	10YR32 00						3	0	HR :	20					
16	30 120	gh	10YR33 00						0	0		0		М			
■ 17	0 28	mc]	10YR32 00								HR	8					
	28 35	mcl	10YR52 00					Y	0	0		0		M	v		
_	35 65 65 100	c	10YR53 00 10YR51 00				10VDE0	Y	0	0		0		P P	Y Y	Y	
•	65 100	C	ICIKSI UU	U31K4	0 00 M		10YR58	UU T	0	U		0		r	T	*	
18	0 30	mcl	10YR31 00						3	0	HR	18					
-	30 42	mc1	10YR32 00									25		М			
_	42 120		10YR33 00						0			0		М			

				_M	10TTLES		PED			S	FONES		STRUCT/	SUBS	3			
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	COL	GLEY	2	6	LITH	TOT	CONSIST	STR	POR	IMP	SPL	CALC
19	0 29	mcl	10YR42 00						3	0	HR	8						
	29 45	hc1	10YR53 00	10YR56	00 C			Y	0	0		0		М				
_	45-65	С	10YR53 00	10YR56	M 00	()5YR46	00 Y	0	0		0		Р	Υ		Y	
•	65-110	С	10YR53 52	10YR58	3 00 M			Υ	0	0	HR	2		Р	Y		Y	
20	0 25	mcl	10YR32 00						0	0	HR	4						
_	25-55	С	10YR53 00	10YR56	M 00			Υ	0	0	HR	3		Р	Y		Y	
	5 5 75	hc1	10YR53 00	10YR56	00 C			Y	0	0	HR	1		Ρ	Y		Υ	
	75-88	mc}	10YR53 00					Y	0	0		0		М				
	88 100	С	10YR52 00	10YR58	3 00 M			Y	0	0	HR	5		Р	Y		Y	
21	0 29	mc1	10YR32 00						0	n	HR	4						
•	29 55	hc1	75YR32 00						0		HR	2		М				
	55-65	hcl	10YR42 00						0		HR	10		М				
	65 120	gh	10YR33 00						0	0		0		М				
6	00 .20	9	1011100 00						·	Ĭ		Ū						
22	0 30	mc1	10YR32 00						0	0	HR	3						
	30 49	hcl	10YR53 52	10YR56	00 C			Y	0	0	HR	4		M				
	49 95	h¢l	10YR52 00	10YR56	00 C			Y	0	0	HR	4		Ρ	Y		Y	
	95 100	С	10YR53 00	10YR58	3 00 M			Y	0	0	HR	5		Р	Υ		Y	
23	0 30	mcl	10YR32 00						4	n	HR	20						
	30 30	mcl	10YR32 00						4		HR	20						
	30 120	gh	10YR33 00						0	0		0		М				
R		y .,	1011100 00						•	Ĭ		ŭ						
24	0 29	mcl	10YR32 00						3	0	HR	10						
	29 35	mcl	10YR42 00						0	0	HR	25		М				
	35 120	gh	10YR33 00						0	0		0		M				
25	0.20		10//022 00						_	_		00						
25	0 32	mcl	10YR32 00								HR	20						
	32 120	gh	10YR33 00						0	0		0		M				
26	0 28	mcl	10YR32 00	75YR46	00 F				1	0	HR	11						
	28 40	С	75YR46 00						0	0	HR	20		М				
	40 70	С	10YR53 00	10YR56	00 M			Y		0		0		Р	Υ		Υ	
	70 80	С	10YR52 00	05YR56	00 M			Y	0	0	HR	25		M			Υ	
27	0 40	mc1	10YR42 00						0	0	HR	6						
28	0 40	mcl	10YR42 00						8	Λ	HR	12						
20	40 65	hc1	10YR52 00						0		HR	5		М				
	65 110	c	75YR53 00	OSVRSA	81 M			Υ	0		HR	10		Р.	Υ		Υ	
	00 110	Ū	7011100 00	0011100				'	•	·	7113	, 0		•	,		1	
29	0 35	hzcl	10YR42 00						7	0	HR	10						
	35 55	hc1	10YR52 00						0		HR	10		М				
30	0 35	mc1	10YR42 00						8		HR	10						
	35-45	hc1	10YR43 00						0		HR	20		M				
	45-120	gh	10YR33 00						0	0		0		M				
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				-	MOTTLES	;	PED			ST0	NES	STRUCT/	SUBS	J			
SAMPLE	DEPTH	TEXTURE	COLOUR	COL	ABUN	CONT	COL	GLEY	2	6 L	TOT HTI	CONSIST	STR	POR	IMP S	SPL C	ALC
		_							_								
31	0 25	mcl	10YR42 00	10\4D.F					4	0 H							
	25-60	С	10YR53 00 75YR63 00					Y	0	O H			М	.,		.,	
	60 110	С	/5YK63 UU	USYKS	6 UU M			Y	0	0 н	R 5		Р	Y		Y	
32	0 30	mcl	10YR42 00						8	0 н	R 12						
	30 55	hc1	75YR43 00						0	0 H			М				
	55 75	hc1	75YR58 00						0	0 H			М				
33a	0 25	mc1	10YR42 00						8	0 H	R 12						
	25 60	hc1	01YR43 00						0	0 H	R 25		М				
	60 80	С	10YR52 00	10YR5	8 61 C			Y	0	0 н	R 20		М				
34	0 30	mcl	10YR32 42						0	0 н							
	30 80	С	25Y 62 00				25YR46		0				P			Y	
	80 120	С	25Y 62 00	10YR5	8 00 M	2	25YR46	00 Y	0	0 H	R 10		Р			Y	
35	0 28	mc1	10YR43 00						^	0 н	D F						
	28 50	mc1	107R43 00						0				М				
	50 60	mc)	101R45 44 10YR46 56						0				M				
_	60 70	c	10YR56 00						0				M				
_	70 120	c	10YR58 00	10YR6	1 00 M	2	25YR46	00 Y		0 H			P			Υ	
1																	
36	0 28	mcl	10YR42 43						0	0 H	R 5						
_	28 60	hc1	10YR46 56						0	0 H	R 10		M				
	60 75	hcl	10YR43 53	10YR5	6 00 C			Y	0	0 H	R 20		М				
37	0 28	mc1	10YR42 00						0	0 H							
	28 75	c	25Y 61 62					Υ	0				P	Y		Υ	
	75–80	С	25Y 61 62	10YR5	8 M			Υ	0	0 H	R 15		P	Υ		Υ	
38	0 28	mcl	10YR42 00						0	0 н	R 3						
	28 50	hcl	10YR43 00						0	0 H			М				
	50 75	c c	10YR52 00	10YR5	8 00 M			Υ	0	0	. 0		P			Υ	
		С	25Y 62 00			2	25YR46			0 H			Р			Υ	
39	0 30	mcl	10YR42 00						0	0 H	R 3						
	30 50	hc1	10YR44 46						0	0 H	R 3		М				
	50 120	hcl	75YR53 00	75YR5	6 00 M			Υ	0	0 н	R 3		М				
40	0 25	mcl	10YR33 00							0 н							
	25-110	С	10YR51 00	25YR5	6 00 C			Υ	0	0 н	R 1		Р			Υ	
.	0.05		10/042 00						_								
41	0 35	scl	10YR43 00	10/05	0 00 0			v		0 H							
_	35-60	scl	10YR53 64 10YR52 00			-	EVDAE	Y OO V		0 H			M P			Υ	
I	60 92	С	IVINJE UU	/JIKD	0 02 11	•	25YR46	JU 1	U	0 н	R 5		r			1	
42	0 28	mc1	10YR32 00						3	0 н	R 10						
	28 40	mc1	10YR44 00						0				М				
	40 50	mc1	10YR44 00						0				М				

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1				_	MOTTLES	- PE	D		STONES	3	STRUCT/	SUBS	
SAMPLE	DEPTH	TEXTURE	COLOUR		ABUN	CONT CO		2					IMP SPL CALC
43	0 33	mcl	10YR32 00						0 HR	5			
•	33 48	mcl	10YR42 00						0 HR	5		М	
	48 70	С	10YR53 00	75YR5	6 58 M	25YF	846 00 Y	0	0 HR	15		Р	Y
44	0 35	mcl	10YR43 00					2	O HR	5			
J	35 42	mcl	10YR44 00			MOO	00 00	٥	0 HR	3		M	
	42 55	mc1	10YR44 54					0	O HR	35		M	
1	55 70	hc1	10YR53 00	75YR5	8 00 C	10YF	R61 00 Y	0	0 HR	35		M	
	70 100	scl	10YR53 62	75YR5	8 00 C	10Y	R72 00 Y	0	0 HR	5		М	
45	0 30	cl	10YR42 00					q	O HR	20			
73	30 45	scl	10YR62 00					0	0 HR	40		М	
•	30 43	301	TOTAL GO					·	5 1 m			••	
46	0 38	scl	10YR43 00					7	0 HR	15			
Ì	38 58	cl	10YR53 00					0	O HR	15		М	
•	58 100	С	10YR66 00	25YR4	6 00 M	10YF	R62 00 Y	0	0 HR	10		Р	Y
47	0 34	mc1	10YR32 00					3	0 HR	5			
	34 58	mc1	10YR42 00					0	0 HR	10		М	
48	0 32	mc]	10YR43 00	_				0	0 HR	2			
	32 45	С	10YR53 54			05.4	Υ	0		5		M	
	45 70	c	10YR53 00				R46 00 Y	0		2		P	Y
B	70 100		10YR53 00	/5YK2	M 00 06	2511	R46 00 Y	v	0 HR	15		Р	Y
49	0 32	mcl	10YR32 00					0	0 HR	2			
	32 57	hc1	10YR43 00					0	0 HR	10		М	
R .													
50	0 30	msl	10YR33 00					0	O HR	6			
	30 45	hc1	10YR46 00	_				0	O HR	8		M	
ì	45 95	С	10YR52 00	25YR5	8 00 C		Y	0	O HR	1		Р	Y
51	0 25	scl	10YR33 00					0	O HR	10			
	25 40	hc]	10YR44 00					0	0 HR	15		M	
	40 60	hc1	10YR44 00					0	0 HR	50		M	
J	60 80	gh	10YR33 00					0	0	0		М	
52	0 30	mcl	10YR33 00					0	O HR	5			
32	30 110		101R53 00		6 NN C		Υ		0 HR	2		P	Y
•	30 110	C	101832 00	73169	0 00 0		•	Ü	O HK	_		r	•
53	0 30	mcl	10YR33 00						0 HR	3			
	30 45	hc1	10YR52 00				Υ		O HR	2		M	
	45 120	С	10YR52 00	10YR5	8 00 C		Y	0	0 GH	2		Р	Υ
54	0 35	mcl	10YR42 00					7	0 HR	20			
	35 45	scl	10YR42 00	10YR5	8 00 F				O HR	10		М	
_	45 92	c c	10YR53 00			25YF	846 00 Y		0 HR	10		P	Y
•	-	_			·								

				-1	10TTLES	;- -	PED			STON	S	STRUCT/	SUBS		
SAMPLE	DEPTH	TEXTURE	COLOUR	COL		CONT		GLEY	2					IMP SPL (CALC
5 5	0 28	1	10YR42 00						E	O HR	15				
33	28-32	mcl mcl	101R42 00							0 HR	50		м		
_															
■ 56	0 30	mc1	10YR33 00							O HR	6				
	30 70	scl	05YR54 00					Y		0 HR	5		М		
_	70 90	С	10YR51 00	10YR5	8 00 C			Υ	0	0 HR	10		М	Y	
57	0 25	mcl	10YR33 00						0	0 HR	5				
	25 40	hc1	10YR51 00	10YR5	9 00 C			Y	0	O HR	5		M		
	40 120	c	10YR51 00	10YR5	3 00 C			Y	0	0 HR	10		M	Y	
58	0 33	mcl	10YR42 00						٨	O HR	7		М		
- ~	33 110		25Y 63 00	75YR68	3 71 M	c	15YR44	00 Y		O HR	2		P	Υ	
_	55 175	ŭ	20, 00 00	, , , , ,		Ì			·	•	_		,	•	
59	0 38	mcl	10YR42 00							O HR	5				Υ
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60	0 25	mc1	10YR33 00						0	O HR	5				
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61	0 35	നമി	10YR32 00						Λ	O HR	10				
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62	0 35	mc1	10YR42 00							0 HR	5		M		
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69	0 35	ms1	10YR32 00						0	0 HR	10							
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	55 75	hr	10YR33 00						0	0	0		M					
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71	0 35	mc1	10YR32 00						0	0 HR	10							
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