Yeovil West

# **Agricultural Land Classification**

February 1998

Resource Planning Team Bristol FRCA Western Region Job Number 73/97

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# YEOVIL WEST

# AGRICULTURAL LAND CLASSIFICATION SURVEY

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# YEOVIL WEST

# AGRICULTURAL LAND CLASSIFICATION SURVEY

# INTRODUCTION

1 This report presents the findings of a semi detailed Agricultural Land Classification (ALC) survey of 603 5 ha of land at Yeovil Somerset Field survey was based on 261 auger borings and 16 soil profile pits and was completed in March 1998 During the survey 17 samples were analysed for particle size distribution (PSD)

2 The survey was conducted by the Resource Planning Team of FRCA Western Region on behalf of MAFF in its statutory role in the preparation of South Somerset Local Plan

3 Information on climate geology and soils and from previous ALC surveys was considered and is presented in the relevant section The published regional ALC map (MAFF 1977) shows the site at a reconnaissance scale as mainly Grade 1 in the south with Grades 3 and 2 through the centre and north of the site including mainly Grade 3 on the lower land around Brympton d Evercy an area shown as Yeovil Sands parent material

4 The site was previously surveyed in 1981 at a scale of 1 25 000 (ADAS 1981) Although this 1981 survey was carried out to classification guidelines which have now been superseded it shows a pattern of grades similar to the findings of the current survey with Grade 1 in the south a mixture of Grades 2 3a and 3b through the rest of the site and the main area of Grade 3b on the lower land south of Brympton d Evercy house The current survey uses the Revised Guidelines and Criteria for grading the quality of agricultural land (MAFF 1988) and supersedes any previous ALC survey Grade descriptions are summarised in Appendix I

5 Several ALC surveys have been carried out in recent years on sites adjacent to the current survey area These include one at Nash in the south (ADAS 1995) which found almost entirely Grade 1 on Yeovil Sands deposits Sites adjacent to the north of the current survey area (ADAS 1993 and 1995) found a mixture of Grades 1 2 and Subgrades 3a and 3b all mainly limited by wetness on the more variable deposits of Pennard Sands

6 At the time of survey land cover was mainly cereals Much of it until relatively recently appeared to have been permanent grassland Smaller areas are still in grass for mixed grazing with several pony paddocks around North Coker Several fields in the south of the site had been in daffodils at some time in recent years and there is a fruit farm at Broad Leaze Other land which was not surveyed included mainly woodland Brympton d Evercy house and grounds and the usual residential land roads and several blocks of agricultural buildings

# SUMMARY

7 The distribution of ALC grades is shown on the accompanying 1 20 000 scale ALC map The detail of information shown at this scale is appropriate to the intensity of field survey but could be misleading if enlarged or applied to small areas Areas are summarised in the Table 1

Grade	Area (ha)	% Surveyed Area (496 0 ha)
1	167 5 62 6	34 13
2 3a 3b	166 7 92 3	34 19
4 Agricultural land not surveyed	69 06	1
Other land Total site area	106 9 603 5	

Table 1Distribution of ALC gradesYeovil West

8 This shows that 81% of the area surveyed was found to be best and most versatile This was Grade 1 with no significant limitation Grade 2 with minor limitations mainly due to wetness and Subgrade 3a with moderate limitations due to wetness Other land was mainly Subgrade 3b limited by wetness and gradient with smaller scattered areas of Grade 4 with more severe limitations due to gradient The steeper slopes are all found on the north facing scarp running through the centre of the site

# CLIMATE

9 Estimates of climatic variables for this site were derived from the published agricultural climate dataset Climatological Data for Agricultural Land Classification (Meteorological Office 1989) using standard interpolation procedures Data for key points around the site are given in Table 2 below

10 Since the ALC grade of land is determined by the most limiting factor present overall climate is considered first because it can have an overriding influence by restricting land to a lower grade despite more favourable site and soil conditions Parameters used for assessing overall climate are accumulated temperature a measure of relative warmth and average annual rainfall a measure of overall wetness The results shown in Table 2 indicate that there is no overall climatic limitations

11 Climatic variables also affect ALC grade through interactions with soil conditions The most important interactive variables are Field Capacity Days (FCD) which are used in assessing soil wetness and potential Moisture Deficits calculated for wheat and potatoes which are compared with the moisture available in each profile in assessing soil droughtiness limitations. These are described in later sections. A critical boundary of 175 FC Days was found approximately to follow the line of the scarp slope with around 170 FC Days to the north of this line and 178 FC Days to the south. In practice this had little effect on the assessment of wetness as the parent material to the south of this line was Yeovil Sands where the great majority of soil profiles were found to be Wetness Class I

Grid Reference	ST 530154	ST 530149	ST 537136
Altıtude (m)	45	55	65
Accumulated Temperature (day °C)	1524	1513	1502
Average Annual Rainfall (mm)	788	818	841
Overall Climatic Grade	1	1	1
Field Capacity Days	170	175	178
Moisture deficit (mm) Wheat	107	104	101
Potatoes	100	96	93

# Table 2 Climatic Interpolations Yeovil West

#### RELIEF

12 Altitude ranges from 45 metres opposite the council offices on Lynx Trading Estate to 105 metres on the highest ground near the village of Odcombe Slopes are mainly gentle and moderate with no limitation to ALC although extensive and fairly continuous strong and moderately steep slopes were found on the scarp north of the Odcombe Road

13 The Yeovil Sands deposits have a consistent particle size distribution within the range of fine sand and coarse silt This makes the soil susceptible to water erosion which causes considerable difficulties in other areas Although there is some evidence of slight sheet erosion within the arable fields at this site there is little evidence of erosion causing any difficulty although the lanes in the south of site are considerably sunken below field level In terms of ALC the risk of erosion is considered to be slight and not limiting Any significant erosion limitation is confined to land with an overriding primary limitation due to gradient

# **GEOLOGY AND SOILS**

14 The underlying geology of the site is shown on the published geology map (IGS 1973) as mainly Yeovil Sands extending from the south through the centre of the site with Pennard Sands confined mainly to the area north of the old railway at Lufton This may be so but the current survey found the area characteristic of Yeovil Sands to be confined to the area south of the scarp slope with more variable textures including clay with the inevitable gleying indicative of seasonal waterlogging characteristic of Pennard Sands evident from this line northwards This has clear implications for ALC with the broad area of universal Grade 1 confined to the south of the site

15 Soils were mapped by the Soil Survey of England and Wales at a reconnaissance scale of 1 250 000 (SSEW 1983) as mainly Curtisden and South Petherton associations Curtisden association is described as comprising silty soils over siltstone with slowly permeable subsoils and slight seasonal waterlogging South Petherton association is described as deep well drained silty soils some over soft rock with a risk of water erosion. Imperfectly drained Curtisden association is shown developed on Pennard Sands and on a large part of the area shown on the published geology map as Yeovil Sands. This distribution was entirely borne out by the current survey although a small area of freely drained Wetness Class I soil typical of the South Petherton association was found to the north of Lufton Manor. Although the junction beds of ferruginous and argillaceous limestone do not appear to be extensive on the published geology map and not reflected at all in the published map of soil associations they do create a distinctive area of heavy clay soils with stones at the surface and generally severely limited by wetness

# AGRICULTURAL LAND CLASSIFICATION

16 The distribution of ALC grades found by the current survey is shown on the accompanying 1 20 000 scale map and areas are summarised in Table 1 The detail of information shown at this scale is appropriate to the intensity of field survey but could be misleading if enlarged or applied to small areas

# Grade 1

17 In the south of the site the majority of profiles were found to be Wetness Class I (See Appendix II) with no evidence of wetness and fine sandy loam topsoils These are illustrated by Pits 3 and 4 There is some variation in topsoil texture and the lightest found at ASP 254 was analysed for PSD and confirmed to be fine sandy loam

18 On the higher ground in the south west of the site soils on similar deposits were found to have fine sandy loam or fine sandy silt loam topsoils but with gleying evident at various levels within the subsoil In the absence of a slowly permeable layer these were assessed as Wetness Class I also Grade 1 These are illustrated by Pits 2 and 16

19 On the Pennard Sands soils are found with medium clay loam topsoil frequently at Wetness Class I with no evidence of wetness These are also Grade 1 and are illustrated by Pits 11 and 13

Some Grade 1 profiles in this area are Wetness Class II normally with gleying below 40 cm a slowly permeable layer below 60 cm land with fine sandy loam or fine sandy silt loam topsoil

# Grade 2

The area shown as Grade 2 is typically Wetness Class II with gleying below 40 cm and a slowly permeable layer in the lower subsoil and with medium clay loam or medium silty clay loam topsoil This is illustrated by Pits 7 and 14 This area also contains a few auger borings assessed as Subgrade 3a and several auger borings which were borderline between Wetness Class II and III with a slowly permeable layer at around 60 cm

# Subgrade 3a

This extensive mapping unit has mainly medium clay loam or medium silty clay loam topsoil textures at Wetness Class III frequently gleyed within 40 cm and with a slowly permeable layer in the middle subsoil. These conditions are illustrated by Pits 1 5 8 and 9 The pits all found the porosity of the slowly permeable layer to be critical to grading as the upper 15 cm or so of what appeared to be a slowly permeable clay in the auger was found be marginally porous when an undisturbed sample was examined at the pit

# Subgrade 3b

23 Within the area shown as Subgrade 3a there are several small areas shown as Subgrade 3b as at ASPs 174 112 92 and 132 The areas shown are somewhat arbitrary but are taken to represent the scattered borings within the better soils These were found to be Wetness Class IV with a clay SPL in the upper subsoil and either medium or heavy clay loam topsoils The other mapping units shown as Subgrade 3b are perhaps more robust All are illustrated by Pits 10 and 15

Soils developed on the Junction Beds appeared to be both heavy and stony Although the stoniness was not found to be limiting at those points where the profile was examined wetness most definitely was and this is illustrated by Pit 6

25 Subgrade 3b is also found on the main escarpment and also in smaller scattered areas elsewhere where limited by gradient

# Grade 4

26 The scattered areas shown as Grade 4 are found on the shorter steeper slopes of the escarpment where limited by gradient

P BARNETT Resource Planning Team FRCA Bristol 27 March 1998

# REFERENCES

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# APPENDIX I

# **DESCRIPTION OF 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 include 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 and horticultural crops can usually be grown but on some land in 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 Where 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 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 most 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

**Source** MAFF (1988) Agricultural Land Classification of England and Wales Revised Guidelines and Criteria for Grading the Quality of Agricultural Land MAFF Publications Alnwick

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# APPENDIX II

#### DEFINITION OF SOIL WETNESS CLASSES

Soil wetness is classified according to the depth and duration of waterlogging in the soil profile

#### 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 90 days but not wet within 40 cm depth for more than 30 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 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 and 90 days in most years

#### Wetness Class IV

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

Notes The number of days specified is not necessarily a continuous period

In most years is defined as more than 10 out of 20 years

Source Hodgson J M (Ed) (1997) Soil Survey Field Handbook Soil Survey Technical Monograph No 5 Silsoe

# **APPENDIX III**

# ABBREVIATIONS AND TERMS USED IN SURVEY DATA

Soil pit and auger boring information collected during ALC survey is held on a computer database and is reproduced in this report. Terms used and abbreviations are set out below. These conform to definitions contained in the Soil Survey Field Handbook (Hodgson 1997).

## 1 Terms used on computer database in order of occurrence

GRID REF National 100 km grid square and 8 figure grid reference

LAND USE At the time of survey

WHT	Wheat	SBT	Sugar Beet	HTH	Heathland
BAR	Barley	BRA	Brassicas	BOG	Bog or Marsh
OAT	Oats	FCD	Fodder Crops	DCW	Deciduous Wood
CER	Cereals	FRT	Soft and Top Fruit	CFW	Coniferous Woodland
MZE	Maize	HRT	Horticultural Crops	PLO	Ploughed
OSR	Oilseed Rape	LEY	Ley Grass	FLW	Fallow (inc Set aside)
РОТ	Potatoes	PGR	Permanent Pasture	SAS	Set Asıde (where known)
LIN	Linseed	RGR	Rough Grazing	OTH	Other
BEN	Field Beans	SCR	Scrub		

**GRDNT** Gradient as estimated or measured by hand held optical clinometer

GLEY SPL Depth in centimetres to gleying or slowly permeable layer

AP (WHEAT/POTS)	Crop adjusted available water capacity				
MB (WHEAT/POTS)	Moisture Balance MD)	(Crop adjusted AP	crop potential		

DRT Best grade according to soil droughtiness

If any of the following factors are considered significant Y will be entered in the relevant column

MREL EXP CHEM	Exposure limitatio	n F	LOOD ROST	Flood risk Frost prone	ERC DIS	
LIMIT	The main limit used	tation to	o land qua	lity The foll	owing	abbreviations are
OC~ FR	Overall Climate Frost Risk	AE GR	Aspect Gradien	t M		Exposure Microrelief

FL	Flood Risk	ТХ	Topsoil Texture	DP	Soil Depth
CH	Chemical	WE	Wetness	WK	Workability
DR	Drought	ER	Erosion Risk	WD	Soil
					Wetness/Droughtiness

ST Topsoil Stoniness

**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
ZL	Silt Loam	SCL	Sandy Clay	С	Clay
			Loam		
SC	Sandy clay	ZC	Silty clay	OL	Organic Loam
Р	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 the following 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)

MOTTLE COL Mottle colour using Munsell notation

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%+

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
- PED COL Ped face colour using Munsell notation
- GLEY If the soil horizon is gleyed a Y will appear in this column If slightly gleyed an S will appear

STONE LITH Stone Lithology One of the following is used

HR All hard rocks and stones SLST Soft oolitic or dolimitic limestone

СН	Chalk	FSST	Soft fine grained sandstone
ZR	Soft argillaceous or silty rocks	GH	Gravel with non porous (hard) stones
MSST	Soft medium grained sandstone	GS	Gravel with porous (soft) stones
SI	Soft weathered igneous or metamorp	-	

Stone contents are given in % by volume for sizes >2cm >6cm and total stone >2mm

**STRUCT** The degree of development size and shape of soil peds are described using the following notation

Degree of development	WA Adhei	Weakly developed rent	WK	Weakly developed
	MD develo	Moderately oped	ST	Strongly developed
<u>Ped size</u>	F C	Fine Coarse	M VC	Medium Very coarse
<u>Ped Shape</u>	S GR SAB PL	Sıngle graın Granular Sub angular blocky Platy	M AB PR	Massive Angular blocky Prismatic

CONSIST Soil consistence is described using the following notation

L	Loose	VF	Very Friable	FR	Friable	FM	Fırm
VM	Very fırm	EM	Extremely firm		EH E	xtremely Ha	ard

SUBS STRSubsoil structural condition recorded for the purpose of calculating<br/>profile droughtinessG GoodM ModerateP Poor

**POR** Soil porosity If a soil horizon has poor porosity with less than 0.5% biopores >0.5mm a Y will appear in this column

**IMP** If the profile is impenetrable to rooting a Y will appear in this column at the appropriate horizon

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

CALC If the soil horizon is calcareous with naturally occurring calcium carbonate exceeding 1% a Y will appear this column

# 2 Additional terms and abbreviations used mainly in soil pit descriptions

#### STONE ASSESSMENT

VIS Visual S Sieve D Displacement

# **MOTTLE SIZE**

EF	Extremely fine <1mm	Μ	Medium 5 15mm
VF	Very fine 1 2mm>	С	Coarse >15mm

Fine 2 5mm F

MOTTLE COLOUR May be described by Munsell notation or as ochreous (OM) or grey (GM) In topsoil the presence of rusty root channels should **ROOT CHANNELS** also be noted

# MANGANESE CONCRETIONS Assessed by volume

Ν	None		Μ	Many	20 40%
F	Few	<2%	VM	Very Many	>40%
С	Common	2 20%			

#### POROSITY

Ρ	Poor	less than 0 5% biopores at least 0 5mm in diameter
G	Good	more than 0 5% biopores at least 0 5mm in diameter

#### **ROOT ABUNDANCE**

The number of	roots per 100cm <sup>2</sup>	Very Fine and Fine	Medium and Coarse
F	Few	1 10	1 or 2
С	Common	10 25	2 5
Μ	Many	25 200	>5
Α	Abundant	>200	

#### **ROOT SIZE**

VF	Very fine	<1mm	M	Medium	2 5mm
F	Fine	1 2mm	С	Coarse	>5mm

# HORIZON BOUNDARY DISTINCTNESS

Sharp	<0 5cm	Gradual	6 13cm
Abrupt	05 25cm	Diffuse	>13cm
Clear	25 6cm		

HORIZON BOUNDARY FORM Smooth wavy irregular or broken \* \* See Soil Survey Field Handbook (Hodgson 1997) for details

SITE NAM	ME	P	PROFI Pat 1 NrASI	LE NO P101)	SLOPE AND	ASPECT	LA Ley	ND USE y		Av Ra ATO	ainfall	780 mm 1510 day	с	PARENT MA		
<b>JOB NO</b> 73/97			DATE 7/2/98		GRID REFE ST 5155 158			ESCRIBED B	Ŷ		ays atıc Grade sure Grade	170 1 1		PSD SAMPLE TS 0 25 cm N (S29 Z48 C23)	ACL	
Horizon No	Lowest Av Depth (cm)	Textu	ire	Matrıx (Ped Face) Colours	Stoniness Size Type a Field Method		ice	Mangan Concs	Structure 1 Developme Size and Shape	ent	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctines and form
1	23	мс		10YR44/54	0	0		0						CF VF		Sharp Wavy
2	39	HZC	CL	10YR53/54	0	10YR561 25Y62 C		0	MDCPF	2	FR	М	G	CVF		Clear Wavy
3	60	с	2	25¥64/74	0	10YR66N 25Y73M		0	MDCPF	2	FM	Р	G(Low)	FVF		Gradual Smooth
4	88	с		25¥63	0	10YR666 MDFO 25YR72M		0	MDCPF	ξ	FM	Р	P(Low)	FVF		
Profile Gl	leyed From	n 39	9 cm		Ava	alable Water	Whea	t 134 r	nm			Final ALC	Grade	3a		
Horizon H Wetness (	Profile Gleyed From 39 cm Slowly Permeable 60 cm Horizon From Wetness Class III Wetness Grade 3a			Mo	isture Deficit	Potato Whea Potato	ıt 104 r	nm			Main Limit	ing Factor(s	s) We			
	Wetness Grade 3a					Whea Potato	bes +15	mm mm culated to 120	) cm)		Remarks	Н3 р	ores few large e	arthworms		

SITE NA	ME		PROF	TILE NO	SLOPE	AND ASPE	CT	LA	ND USE		Av F	Rainfall	803 mm		PARENT MA	FERIAL	
Yeovil			Pit 2	(ASP171)	4 E			Ce	r		ATC	)	1457 day	с	Yeovil Sands		
JOB NO			DATI	Ε	GRID F	EFERENC	E	DE	SCRIBED B	Y	FCI	Days	172		PSD SAMPLE	S TAKEN	
73 97			17/2/9	98	ST 509'	7 1503		AC	C/PB		[	natic Grade osure Grade	1		TS 0 25 cm FS (S38 Z45 C17		
Horizon No	Lowest Av Depth (cm)	Те	cture	Matrix (Ped Face) Colours	Stonine Size Ty Field M	pe and	Mottling Abundanc Contrast Size and Colour	:e	Mangan Concs	Structure Developme Size and Shape	ent	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctnes and form
1	27 FSZL 10YR43					0	0		0						CF		Clear Smooth
2	60	М	MZCL 10YR54			0	CDFO 0 10YR58 5Y62	8	0	MDCPI	2	FR	М	G	FVF		Grad Smooth
3	95+	HZ	CL/C	2 5¥63		0	MDMO 10YR55 5Y62	8	0	WKVCP	PR	FM	Р	G(Low)	FVF		
Profile G	leyed From	n	60 cm			Available	Water W	Vhea	t 145 m	nm			Final ALC	Grade	1		
Horizon I Wetness	Profile Gleyed From 60 cm Slowly Permeable Horizon From Wetness Class I (borderline II) Wetness Grade 1						Deficit W	otato Vhea otato	t 104 n	ım			Main Limit	ing Factor(s	3)		
						Moisture I		Vhea otato					Remarks		ores mainly few lay below 75 cm		nels
						Droughtin	ess Grade 1	l	(Calci	ulated to 120	) cm)		ĺ				

SITE NA	ME		PROF	FILE NO	SLOPE A	ND ASPE	CT	LAND	USE		Av Rainfall	820 mm		PARENT MAT	rerial.	
Yeovil W	est		Pu 3 (/	ASP 262/270)	3 SW			PGR			ΑΤΟ	1470 day	c	Yeovil Sands		
JOB NO			DAT	E	GRID RE	FERENCE	<u></u>	DESC	RIBED B	Y	FC Days	178		PSD SAMPLE	S TAKEN	
73 97			18/2/	98	ST 5295	1419		AC		5	Climatic Grade Exposure Grade	1		TS 0 25 cm F SS80 110 cm		
Horizon No	Lowest Av Depth (cm)	Тех	ture	Matrıx (Ped Face) Colours	Stoniness Size Type Field Met	and	Mottling Abundance Contrast Size and Colour		langan oncs	Structure I Developme Size and Shape	Ped	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctnes and form
1	27 FSL 10YR54				( 	)	0		0					MF		Clear Smooth
2	54 FSL 10YR56				)	0		0	MDMAI	3 VF	М	G	CF VF		Grad Smooth	
3	80 FSL 10YR68		. (	)	0		0	MDMAI (Breakin from MDCSAI	g	м	G	FVF		Grad Wavy		
4	110+	1	LFS	10YR68/78		)	0		0	WKFSA	B FR	G	G	0		
Profile G	leyed From	n		ł,		Available '	Water W	heat	191 n	າກາ		Final ALC	Grade	1	<u> </u>	<b>-</b>
Slowly Po Horizon I Wetness (	Class		I 1			Moisture I	Deficit W	otatoes Theat otatoes	138 n 104 n 96 n	n <b>m</b>		Main Limit	ing Factor(s	3)		
wentess	Urade		1			Moisture E		/heat otatoes	+87 +42			Remarks	H4 V	Vorm channels a	bserved	
						Droughtin	ess Grade 1		(Calc	ulated to 120	cm)		H4 S	ome large ceme	nted SB peds	mixed in

SITE NA	ME		PROF	FILE NO	SLOPE	AND ASPE	ĊŤ	LA	ND USE		Av Rainfall	841 mm		PARENT MA	TERIAL	
Yeovil W	est		Pa 4 (A	ASP 293/298)	2 S			PG	R		АТО	1502 day	С	Yeovil Sands		
JOB NO	<u> </u>		DAT	Ē	GRID R	EFERENCI	E	DE	SCRIBED B	Y	FC Days	178		PSD SAMPLE	S TAKEN	
73 97		ĺ	19/2/	98	ST 5368	1362		AC	;		Climatic Grade Exposure Grade	1		TS025cm n	ot sent	
Horizon No	Lowest Av Depth (cm)	Tex	ture	Matrix (Ped Face) Colours	Stonines Size Typ Field M	pe and	Mottling Abundanc Contrast Size and Colour	e	Mangan Concs	Structure P Developme Size and Shape	1	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctnes and form
1	25	F	SL	10YR54		0	0		0					MF		Clear Smooth
2	58	F	SL	10YR46/56	 	0	0		0	MDMSA	B VF	G	G	CF VF		Grad Smooth
3	90	F	SL	10YR56		0	0		0	WKMSA	B VF	G	G	CVF		Clear Wavy
4	110	ļ	FS	25¥64/66		0	0		0	WKMSAI	B FR	G	G?			
Profile G	leyed From	m				Available '	Water W	/heat	t 204 n	n <b>m</b>		Final ALC	Grade	1		
Horizon	Profile Gleyed From Slowly Permeable Horizon From Wetness Class I Wetness Grade 1					Moisture I	Deficit W	otato Vheat otato	t 104 n	nm		Main Limi	ang Factor(	s)		
- Cancel						Moisture E		Vheat otato	es +48	mm mm ulated to 120	cm)	Remarks	H4 le	arthworms/chan pose disaggregat ented M/CSB pe	ed material m	nxed with

SITE NA	ME		PROF	TILE NO	SLOPE	AND ASPE	CT	LĀ	ND USE		Av	Rainfall	767 mm	··	PARENT MA	<b>FERIAL</b>	
Yeovil W	r		Prt 5(A	SP 27)	2 N			Cei	r		A I	го	1507 day	С	Pennard Sands	i	
JOB NO			DATI	E	GRID F	EFERENC	E	DE	SCRIBED B	Y	FC	C Days	166		PSD SAMPLE	S TAKEN	· · · · <del>- ·</del> · · · · · · · · · · · · · · · · · ·
73 97			20/2/9	98	ST 514	8 1737		PB	i			imatic Grade sposure Grade	1		TS 0 25 cm Z (S11 Z71 C1)		
Horizon No	Lowest Av Depth (cm)	Те	kture	Matrix (Ped Face) Colours	Stonine Size Ty Field M	pe and	Mottling Abundanc Contrast Size and Colour	e	Mangan Concs	Structure Developme Size and Shape		Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form
1	25	<b>21</b> /	MZa	10YR53		0	0		0	 					CF VF		Abrupt Smooth
2	44	м	IZCL 25Y53			0	FFO G 10YR50		0	MDCSA	.B	FR	м	G	CVF		Clear Smooth
3	56		с	2 5¥63		0	CDFO 10YR5		0	MDCPF	2	FR	м	G(low)	FVF		Grad Smooth
4	85+		С	2 5Y63		0	MDMO 10YR5 5Y71		0	WKCPF	R	FM	Р	P(low)	FVF		
Profile G	leyed From	n	44 cm			Available	Water W	/heat	t 139 r	nm			Final ALC	Grade			
Horizon			56 cm			Moisture I		otato Vhea					Main Limi	ting Factor(	s) We		
Wetness Class			III			ļ	Р	otato	bes 96 1	nm							
Wetness	Grade		3a			Moisture I		Vhea					Remarks	Н3	H4 pores few wo	orm channels	
						Droughtin	Po ess Grade 1	otato		mm sulated to 120	) cm	1)					

SITE NA	ME		PROF	FILE NO	SLOPE	E AND ASPE	CT	LAI	ND USE		Av	/ Rainfall	770 mm		PARENT MA	TERIAL	
Yeovıl We	est		<b>Pu 6(A</b>	ASP 21)	3 N			Cer			AT	.'O	1500 day	c	Pennard Sands	Junction Bec	ls
JOB NO		+	DATE	Ē	GRID I	REFERENCE	Ē	DE	SCRIBED B	Y	FC	C Days	170	ŀ	PSD SAMPLE	S TAKEN	<u></u>
73 97			20/2/9	<del>)</del> 8	ST 5193	3 1743		PB				matic Grade	1	j	TS 0 25 cm H (S7 Z65 C289		_)
Horizon No	Lowest Av Depth (cm)	Tex	¢ture	Matrix (Ped Face) Colours	Stonine Size Ty Field M	ype and	Mottling Abundance Contrast Size and Colour		Mangan Concs	Structure Pe Developmer Size and Shape	ent	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form
		ZCL	2.5Y53/ 5Y52*	19	HR ( 15)	0		0		]				FF VF		Abrupt Smooth	
2	45	(	с	2 5Y63		0 MDMO		G	0	MDCPR		FM	Р	P/G* (low)	FVF		Grad Smooth
3			c	2 5Y63		0	MDMO	G	0	WKCPR		FM	P	Р	FVF		
Profile G	leyed Fror	n :	30 cm			Available	Water W	Vheat	. 131 m	۸m			Final ALC	Grade	3b	L	H
Horizon F	Slowly Permeable			I	ļ	Moisture D	Deficit W	otatoe Wheat	t 104 m	mm			Main Limit	ting Factor(s)	s) We		
Wetness	Wetness Grade				ł			Potatoe									
				ł	Moisture E		Wheat Potatoe		mm 2 mm			Remarks		ores patchy worn stently SPL	m channels th	serefore not	
				I	Droughtin	ess Grade 2			culated to 120	cm)	)	ļ	H1 va to ane	ariable zone of c erobic condition porated			

SITE NA	ME	PRO	FILE NO	SLOPE AND	ASPECT		ND USE		Av	Rainfall	790 mm		PARENT MA	TERIAL	<u></u>
Yeovil W	est	Put 7(/	ASP 133)	2 S		PL	0		AT	o	1520 day	С	Pennard Sands	5	
JOB NO		DAT	Е	GRID REFE	RENCE	DE	SCRIBED B	Y	FC	Days	170		PSD SAMPLE	ES TAKEN	
73 97		25/2/	98	ST 5255 155	)	PB			1	matic Grade posure Grade	1		TS 0 25 cm M (S31 Z50 C1		
Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size Type ai Field Method		ice	Mangan Concs	Structure Developm Size and Shape		Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form
1	30	MCL	10YR53 43	0	0		0						CF VF		Clear Smooth
2	50	MCL	10YR54	0	0		0	MDCAI	B	FR	м	G	CVF		Clear Irregular
3	65	MCL	2 5¥63 64	0	CDFO 7 5YR 2Y62	58	0	MDCSA	В	FR	м	G(low)	CVF		Grad Smooth
4	100+	С	2 5¥63	0	MDFC 7 5YR 5Y6	58	0	WKCSA	В	FM	Р	P*	FVF		
Profile G	leyed From	n 50 cm		Ava	lable Water	Wheat	t 154 r	nm			Final ALC	Grade	2 borderl	ine 1	
Slowly P Horizon 2 Wetness	From Class	65 cm II 2	1	Мо	sture Deficit	Potato Wheat Potato		nm			Main Limit	ing Factor(	s) We		
	0,000	-		Мо		Wheat Potato		mm mm			Remarks	H4 p	ores few worm	channels per	Sist
				Dro	ughtiness Grade	1	(Calc	culated to 12	0 cm	)					

SITE NA	ME		PROF	FILE NO	SLOPE	AND ASPE	CT	LAN	ID USE		Av Rainfa	-	790 mm		PARENT MA	TERIAL	
Yeovil W	est		Pu 8(A	SP 133/120)	1 E			PLO	)		АТО		1520 day	с	Pennard Sands	5	
JOB NO	<u>-</u>		DAT	Ē	GRID F	EFERENC	E	DES	CRIBED B	Y	FC Days		170		PSD SAMPLE	STAKEN	
73 94			25/2/	98	ST 5252	2 1558		PB			Climatic G Exposure		1		TS 0 25 cm N (S35 Z46 C1		
Horizon No	Lowest Av Depth (cm)	Tex	ture	Matrix (Ped Face) Colours	Stonine Size Ty Field M	pe and	Mottling Abundanc Contrast Size and Colour		Mangan Concs	Structure F Developme Size and Shape	red nt	stence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distincines and form
1	30	м	ICL	10YR53 43		0	0		0						CF VF		Sharp Wav
2	40	н	ICL	2 5¥54,53		0	FDFO 10YR50		0	WKCSAI	3 F	'R	м	G	CVF		Clear Wavy
3	60		С	2 5¥53		0	MDFO 10YR55 5Y72	8	0	MDCSAI	3 F	M	М	G	FVF		Grad Smooth
4	90+		с	2 5¥53		0	MDMO 10YR55 5Y72	8	0	WKCSAI	B F	м	Р	P(low)	FVF		
Profile G	ileyed From	n	40 cm			Available	Water W	Vheat	140 n	nm			Final ALC	Grade	3a		
Slowly P Horizon Wetness Wetness	Class		60 cm III 3a			Moisture I	Deficit V	otatoe: Wheat otatoe:	104 п	າກາ			Main Limit	ing Factor(	s) We		
						Moisture I		Vheat otatoe:	+36 1 s +23				Remarks		orous to 60 cm ores few worm	channels	
						Droughtin	ess Grade 1	l	(Calc	ulated to 120	cm)						

SITE NA	ME	PRO	FILE NO	SLOPE A	AND ASPE	СТ	LANI	D USE		Av	Raınfall	790 mm		PARENT MA	TERIAL	<u> </u>		
Yeovil W	est	Put 9(4	ASP 203)	1 N			FRT			AT	0	1520 day	с	Pennard Sands	SD SAMPLES TAKEN         S 0 25 cm MCL (FSZL)         S35 Z46 C19%)         Roots       Calcium         Abundance       Carbonate         and Size       Content         CF VF       Sharp Wav         FVF       Clear			
JOB NO		DAT	Ē	GRID RI	EFERENCI	E	DESC	CRIBED B	Y	FC	Days	170		PSD SAMPLE	S TAKEN	<u> </u>		
73 97		26/2/	98	ST 5308	1500		PB				matic Grade posure Grade	1		TS 0 25 cm MCL (FSZL) (S35 Z46 C19%)				
Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size Typ Field Me	e and	Mottling Abundance Contrast Size and Colour		Mangan Concs	Structure Developme Size and Shape		Consistence	Structural Condition	Pores (Fissures)	Abundance	Carbonate	Boundary Distinctness		
1	28	MCL	10YR43		0	0		0						CF VF		Sharp Wavy		
2	38	MZCL	10YR54		0	FDFO ( 10YR58 5Y71		0	WKCAI	В	FM	Р	G(low)	FVF		Clear Smooth		
3	70	MZCL	2 5¥63		0	MDFO ( 10YR58 5Y71		0	WKCSA	В	FR	М	G(low)	FVF		Grad Smooth		
4	90+	С	2 5¥63		0	MDMO 10YR58 10Y71	8	0	WKCPF	2	FM	Р	P(low)	FVF				
Profile G	leyed Fror	m 38 cm			Available "	Water W	/heat	138 n	ım			Final ALC	Grade	3a				
Horizon			70 cm III		Moisture I	Deficit W	Potatoes 117 mm Wheat 104 mm					Main Limiting Fac		s) We				
Wetness	Grade	3a				Po	otatoes	96 n	าม									
					Moisture E		/heat	+34				Remarks		Compact plough				
							otatoes							orous deeper that g nearby	an interred fro	im auger		
					Droughtin	ess Grade 1		(Calc	ulated to 120	) cm)	Ì	Doring nearb						

SITE NA	ME	PRO	FILE NO	SLOPE	AND ASPE	CT	LA	ND USE		A	v Rainfall	810 mm		PARENT MA	FERIAL		
Yeovil W	est	Рп 10 201/1		1 N			Cei	r		A	го	1510 day	С	Pennard Sands			
JOB NO		DAT	Ē	GRID F	EFERENC	E	DE	SCRIBED B	Y	FC	C Days	174		PSD SAMPLES TAKEN			
73 97		26/2/	98	ST 527	6 1507		PB	i			imatic Grade sposure Grade	1		TS 0 25 cm H (S33 Z37 C30			
Horizon No	Lowest Av Depth (cm)	Техтиге	Matrix (Ped Face) Colours	Stonine Size Ty Field M	pe and	Mottling Abundance Contrast Size and Colour		Mangan Concs	Structure Developm Size and Shape		Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form	
1	22	HCL	10YR43	 	0	0		0						CF VF		Abrupt Wavy	
2	40	С	2.5Y61 62		0	CDFO 10YR5		0	WACSA	B	FM	Р	Р	FVF		Clear Wa∨y	
3	55+	с	2 5¥62		0	MDFO 10YR5 10Y61	8	0	М		FR	P	P(low)	FVF			
Profile G	leyed Fron	n 22 cm		1	Available `	Water W	Vheat	t 125 n				Final ALC	Grade	3b	<b>.</b>	L	
Slowly Pe Horizon I	From	22 cm	ı		Moisture I		'otato Vhea					Main Limit	ing Factor(	s) We			
Wetness	Class	IV				P	otato	bes 96 n	nm								
Wetness	Grade	3ь			Moisture Balance Wheat +21 mm Remarks												
					Droughter	P ess Grade 2	otato		nm ulated to 120	0.000							
						ess orage 2	<u>.</u>	(Calc		U CII	U,						

SITE NA	ME		PRO	FILE NO	SLOPE	AND ASPI	ECT	LA	ND USE		Av I	Rainfall	820 mm		PARENT MA	TERIAL	
Yeovıl W	est		Pat 11	( Nr 228)	7 N			PLO	0		АТС	)	1490 day	с	Yeovil Sands		
JOB NO			DAT	E	GRID F	EFERENC	Ē	DE	SCRIBED B	Y	FC I	Days	174		PSD SAMPLES TAKEN		<u>.</u>
73 97	ļ		27/2/	98	ST 522	5 1465		PB				natic Grade osure Grade	1		TS 0 25 cm M (S41 Z40 C1		
Horizon No	Lowest Av Depth (cm)	Тех	(ture	Matrix (Ped Face) Colours	Stonine Size Ty Field M	pe and	Mottling Abundanc Contrast Size and Colour	:e	Mangan Concs	Structure Developme Size and Shape	ent	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctnes and form
1	25	M		10YR43		0	0		0						CF VF		Sharp Smooth
2	50 MZCL 10YR53			0			0	WKCSA	в	FR	м	G	CVF		Clear Smooth		
3	80	H	ICL	10¥54		0	0		0	WKCPR to WKCS		FR	М	G	CVF		Grad Smooth
4	104+	H	ICL	10YR64		0	0		0	WKCPR to WKCS		FR	М	G	FVF		
Profile G	leyed From	n				Available	Water W	Vheat	t 158 r	nm			Final ALC	Grade	1		
Slowly P Horizon I Wetness	Class				Moisture 1	Deficit V	Potatoes 120 mm Wheat 104 mm Potatoes 96 mm					Main Limiting Factor(s)					
			-			Moisture 1		Wheat Potato		mm mm			Remarks		<u></u>		·····
						Droughtur	ess Grade 1	1	(Calc	ulated to 120	) cm)						

SITE NAM	ME		PRO	TLE NO	SLOPE	AND ASPE	ECT	LA	ND USE		Av	Rainfall	790 mm		PARENT MA	TERIAL	
Yeovil We	est		P# 12	(ASP 164)	1 N			PL	0		AT	0	1520 day	с	PennarD Sand	S	
JOB NO			DAT		GRID R	EFERENC	Ē	DE	ESCRIBED B	Y	FC	Days	170		PSD SAMPLE	S TAKEN	
73 9 <b>7</b>			27/2/	28	ST 5236	5 1524		PB	1		Ch	matic Grade	1		TS 0 25 cm F	SZL	
	ł		2712,								Exp	posure Grade	1		(S38 Z47 C15		
Horizon No	Lowest Av Depth (cm)	Tex	ture	Matrix (Ped Face) Colours	Stonine Size Ty Field M	pe and	Mottling Abundanc Contrast Size and Colour	e	Mangan Concs	Structure Developme Size and Shape		Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctnes and form
1	27	F	SZL	10YR43		0	0		0						CF VF		Sharp Smooth
2	50		с	10YR63 2.5Y53		0	CDFO 7 5YR5 5Y62	8	0	MDCPI	2	FR	м	G	FVF		Clear Smooth
3	80+		с	2 5¥63		0	MDMO 10YR5 5Y71	8	0	MDCPI	2	FM	Р	P(Low)	FVF		
Profile G	leyed Fror	n				Available	Water V	Vhea	t 134 n	nm			Final ALC	Grade	2		
Slowly Permeable Horizon From Wetness Class Wetness Grade		50 cm III 2				F Moisture Deficit			Potatoes 111 mm Wheat 104 mm Potatoes 96 mm				Main Limiting Factor(s) We				
			L			Moisture I		Vhea otato					Remarks	Н3 р	ores few worm	channels rema	ain
						Droughtin	ess Grade 1	l	(Calc	ulated to 120	) cm)	)					

SITE NA	ME	PRO	OFILE NO	SLOPE AND	ASPECT	LAND USE	Ξ	Av	Rainfall	790 mm		PARENT MA	TERIAL	· <u> </u>
Yeovil W	est	Pat 1	3(ASP 93)	2 SE		PLO		TA	07	1520 day	с	Pennard Sands	;	
JOB NO		DA	TE	GRID REFE	RENCE	DESCRIBE	ED BY	- FC	C Days	170		PSD SAMPLE	S TAKEN	
73 97		3/3	/98	ST 5223 159	1	РВ		1	imatic Grade posure Grade	1		TS 0 25 cm M (S26 Z51 C2		
Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size Type ar Field Method		Ce Manga Concs	n Developr Size and Shape		Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctnes and form
1	30	MCL	10YR43	0	0	0						CF VF		Clear Wavy
2	55	HZCL	2.5¥64	0	0	0	MDCS	AB	FR	м	G	CVF		Grad Smooth
3	78	с	2 5¥64	0	0	0	MDCPH to MDC M		FR	м	G mainly exped	FVF		Clear Smooth
4	90+	с	2 5¥63	0	CDFO 10YR5 5Y72	8	WKCS	AB	FM	Р	G (worms)	FVF		
Profile G	leyed From	m 78 c	m	Ava	ılable Water V	Wheat 1	l41 mm			Final ALC	Grade	1		
Horizon I Wetness	Class	I		Mo	sture Deficit	Wheat 1	121 mm 104 mm 96 mm			Maın Lımıt	ang Factor(	s)		
Wetness	Wetness Grade 1						+ 37 mm 25 mm			Remarks		<u>.</u>		
				Dro	ughtiness Grade		(Calculated to 1)	20 cm	)					

SITE NAM	ME	נו	PROF	ILE NO	SLOPE	AND ASPE	CT	LAN	ND USE		Av Rainfall	l	788 mm		PARENT MA	TERIAL	
Yeovıl We	est		Put 14 (	ASP 107)	1 S			PLO	)		ATO		1524 day	с	Pennard Sands		
JOB NO			DATE	2	GRID R	EFERENCI	<u>.</u>	DES	SCRIBED B	Y	FC Days		171	ſ	PSD SAMPLE	S TAKEN	<u></u>
73 97			3/3/98	3	ST 5237	/ 1579		PB			Climatic Gra Exposure G		<b>1</b>		TS 0 25 cm M (S29 Z49 C22		
Horizon No	Lowest Av Depth (cm)	Text	ure	Matrix (Ped Face) Colours	Stonine Size Ty Field M	pe and	Mottling Abundanc Contrast Size and Colour		Mangan Concs	Structure I Developme Size and Shape			Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctne: and form
1	25	м	CL	10YR43		0	FRRCh		0						CF VF		Abrupt Smooth
2	60	HZ	CL	2.5Y64,53		0	0		0	WKCPR I to WKCSA		R	M	G	CVF		Clear Smooth
3	70	C	2	2 5¥63		0	CDFO 10YR56		0	MDCSA	B FN	M	Р	G mainly ex ped	FF VF		Grad Smooth
4	95+	C	C	2 5¥63		0	MDFO 10YR56 5Y72		0	MDCPR	FM	M	P	Р	FF VF		
Profile Gi	leyed Fror	n 6	0 cm			Available V	Water W	/heat	142 n	nm		1	Final ALC	Grade	2	-	<u> </u>
Horizon I Wetness (	Slowly Permeable Horizon From 70 cm Wetness Class II		Moisture Deficit					am			Main Limiting Factor(s) We						
weiness	Wetness Grade 2							7heat otatoe					Remarks				
İ						Droughtine	ess Grade 1		(Calc	ulated to 120	cm)						

SITE NAI	ME		PROF	FILE NO	SLOPE	AND ASPE	СТ	LA	ND USE		Av R	aınfall	800 mm		PARENT MA	D SAMPLES TAKEN 0 25 cm MCL 9 Z51 C20%) coots bundance nd Size CF VF		
Yeovil We	est		Pit 15	(ASP 112)	1 SE		i	Cer			ATO		1460 day	с	Pennard Sands			
JOB NO			DAT	E	GRID R	EFERENC	E	DE	SCRIBED B	Y	FC D	ays	170		PSD SAMPLE	S TAKEN		
73 97			4/3/9	8	ST 5140	1565		PB				atıc Grade sure Grade	1					
Horizon No	Lowest Av Depth (cm)	Тех	ture	Matrix (Ped Face) Colours	Stonines Size Typ Field Mo	be and	Mottling Abundanc Contrast Size and Colour	:e	Mangan Concs	Structure Developme Size and Shape	ent	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Carbonate	Horizon Boundary Distinctness and form	
1	23	M	ICL	10YR42		0	CRRCI		0						CF VF		Sharp Smooth	
2	42 C 2.5Y63			0		G 6	0	WACSA	В	FR	М	G(low)	FVF		Clear Smooth			
3	80+		с	2 5¥63		0	CDMO 10YR56 5Y62		0	MDCPF	ર	FM	Р	Р	FVF			
Profile Gl	leyed Fron	n .	23 cm			Available '	Water W	/heat	131 n	ım	-		Final ALC	Grade	3ь			
Slowly Permeable Horizon From Wetness Class Wetness Grade				42 cm IV		P Moisture Deficit V			es 108 n t 104 n es 96 n	nm			Main Limiting Factor(s) We					
·						Moisture E		Vheat otato					Remarks	Wate	r entering pit ab	ove H3		
ļ						Droughtine	ess Grade 2	2	(Calc	ulated to 120	) cm)							

SITE NAM	ME		PROF	TILE NO	SLOPE	AND ASPE	ECT	LAI	ND USE		Av Raınfall	820 mm		PARENT MA	TERIAL	
Yeovil We	est		Pat 16 (	(ASP 226)	2 N			Cer	eals		АТО	1490 day	с	Yeovil Sands		
JOB NO		-+	DA'TI	E	GRID I	REFERENC	Ê	DE	SCRIBED B	Y	FC Days	174		PSD SAMPLE	S TAKEN	
73 97			4/3/98	3	ST 519	4 1468		PR	W		Climatic Grade Exposure Grade	1		None taken		
Horizon No	Lowest Av Depth (cm)	Text	ure	Matrıx (Ped Face) Colours	Stonine Size Ty Field M	vpe and	Mottling Abundanc Contrast Size and Colour	e .	Mangan Concs	Structure Pe Developmer Size and Shape	ed	1 Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctnes and form
1	27	FS	SL	10YR54	1	None	None		None				Many	MF+VF		Clear Smooth
2	52	FS	SL	10Yr53		None	CDO 10YR5		None	MDMSAB	Friable	G	Many	CF+VF		Gradual Smooth
3	100+	so	CL	10YR53		None	CDO 10YR5		None	MDMSAB	Friable	G	Many	FF+VF		
Profile Gl	leyed Fron	n 2	27 cm			Available	Water W	Vheat	198 n	nm		Final ALC	Grade	1		
Slowly Pe Horizon F Wetness ( Wetness (	From Class	I				Moisture I	Deficit V	otatoo Vheat otatoo	; 106 n	nm		Main Limit	ing Factor(s	3)		
						Moisture I		Vheat otato		mm mm		Remarks				
L						Droughtin	ess Grade 1	1	(Calc	ulated to 120	cm)					