

SITE NAME Vagg Farm, Yeovil		PROFILE NO Pit 1 (Asp 32)	SLOPE AND ASPECT 2° S	LAND USE PGR		Av Rainfall 802 mm	PARENT MATERIAL Yeovil Sands	
JOB NO 74/95		DATE 16/1/96	GRID REFERENCE ST 531178	DESCRIBED BY PB/GMS		ATO 1472 day °C	SOIL SAMPLE REFERENCES PB 332	
						FC Days 172		
						Climatic Grade 1		
						Exposure Grade 1		

Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size Type and Field Method	Mottling Abundance Contrast, Size and Colour	Mangan Concs	Structure Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form
1	20	HZCL	10YR53	none	none	none				>0 5	MVF		Clear smooth
2	40	HCL	10YR54	none	none	common	MCSAB	Friable	M	<0 5	CVF		Clear smooth
3	55	HCL	10YR53	5% weathered stones	FFFO 10YR62	none	MCSAB	Friable	M	<0 5	FVF		Gradual smooth
4	65	C	2 5Y64	5% weather stones	CDMO G 2 5Y54 52 10YR58	none	WCSAB	Friable	M	>0 5	FVF		Clear smooth
5	100	HZCL	2 5Y53	5% weathered stones	10YR56 MDMO	none	WMPlaty	Friable	M	< 5	none		

Profile Gleyed From 55 cm
Depth to Slowly Permeable Horizon 65 cm
Wetness Class II
Wetness Grade 3a

Available Water Wheat 151mm
Potatoes 117 mm
Moisture Deficit Wheat 101 mm
Potatoes 92 mm
Moisture Balance Wheat +50 mm
Potatoes +25 mm
Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3a
Main Limiting Factor(s) Wetness

Remarks Water running into pit at 65 cm

SITE NAME Vagg Farm, Yeovil		PROFILE NO Pit 2 (Asp 25)	SLOPE AND ASPECT 1°S	LAND USE PGR	Av Rainfall 806 mm	ATO 1455 day °C	PARENT MATERIAL Yeovil Sands						
JOB NO 74/95		DATE 16/1/96	GRID REFERENCE ST 533179	DESCRIBED BY PB/GMS	FC Days 172	Climatic Grade 1	Exposure Grade 1	SOIL SAMPLE REFERENCES PB 333					

Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size, Type and Field Method	Mottling Abundance Contrast, Size and Colour	Mangan Concs	Structure Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form
1	12	MCL	10YR53	none	CDFO 10YR56	none				>0.5	MVF		Clear smooth
2	30	MCL	10YR42	none	none	few	MMPr breaking to MCSAB	Friable	M	<0.5	MVF		Gradual smooth
3	60	MCL	10YR64	none	none	common	WCPr	Friable	M	>0.5 in parts	CVF		Gradual wavy
4	80+	ZC	2.5Y54	none	CFFO 10YR56	common	MCPr	Friable	M	<0.5	FVF		

Profile Gleyed From	60 cm	Available Water	Wheat	140 mm	Final ALC Grade	2
Depth to Slowly Permeable Horizon	60 cm		Potatoes	113 mm	Main Limiting Factor(s)	Wetness
Wetness Class	II	Moisture Deficit	Wheat	101 mm		
Wetness Grade	2		Potatoes	92 mm		
		Moisture Balance	Wheat	+39 mm		
			Potatoes	+21 mm		
		Droughtiness Grade	1	(Calculated to 120 cm)	Remarks	Depth to SPL borderline WCIII but evidence of wetness not good so grade 2 more appropriate. Water seeping into pit at variable lower depths.

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	801 mm	PARENT MATERIAL	
Vagg Farm, Yeovil		Pit 3 (Asp 44)	2° N	PGR	ATO	1472 day °C	Yeovil Sands	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	171	SOIL SAMPLE REFERENCES	
74/95		17/1/96	ST 528175	PB	Climatic Grade	1	PB 334	
					Exposure Grade	1		

Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size Type and Field Method	Mottling Abundance Contrast, Size and Colour	Mangan Concs	Structure Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form
1	13	MCL	10YR42	0	CDFOM (75YR58)	0				G	MF VF		Clear smooth
2	50	HZCL	10YR54	0	0	0	WM,CPr	Fr	M	G	CVF		Clear smooth
3	65	HZCL	10YR53	0	CFMOM CDMGM 10YR588, 73	0	MCPPr	Fr	M	G	CVF		Grad smooth
4	90+	ZC	10YR63	0	MDMO GM 10YR58	0	WCPr	Fr	M	G	FVF		

Profile Gleyed From 50 cm

Depth to Slowly Permeable Horizon

Wetness Class I

Wetness Grade 1

Available Water Wheat 145 mm

Potatoes 119 mm

Moisture Deficit Wheat 101 mm

Potatoes 92 mm

Moisture Balance Wheat +44 mm

Potatoes +27 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 1

Main Limiting Factor(s)

Remarks Water accumulates in pit, running in over H4

SITE NAME Vagg Farm, Yeovil		PROFILE NO Pit 4 (Asp 26)	SLOPE AND ASPECT O°	LAND USE PGR	Av Rainfall 806 mm	ATO 1455 day °C	PARENT MATERIAL Yeovil Sands					
JOB NO 74/95		DATE 17/1/96	GRID REFERENCE ST 535179	DESCRIBED BY PB/GMS	FC Days 172	Climatic Grade 1	Exposure Grade 1	SOIL SAMPLE REFERENCES PB 335				

Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size, Type and Field Method	Mottling Abundance Contrast, Size and Colour	Mangan Concs	Structure Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots Abundance and Size	Calcium Carbonate Content	Horizon Boundary Distinctness and form
1	12	MZCL	10YR53	none	none	common					MVF		
2	44	HCL	10YR54	none	none	common	MCSAB	Frable	M	>0.5	MVF		Gradual smooth
3	60	C	10YR63	none	cff/mo 10YR46	common	MCP _r	Frable	M	>0.5	CVF		Gradual smooth
4	90	C	2.5Y73	none	cff/mo 10YR46	common	WCP _r	Frable	M	<0.5	FVF		

Profile Gleyed From 44 cm

Depth to Slowly Permeable Horizon 60 cm

Wetness Class III

Wetness Grade 3a

Available Water	Wheat	140 mm
	Potatoes	116 mm
Moisture Deficit	Wheat	101 mm
	Potatoes	92 mm
Moisture Balance	Wheat	+39 mm
	Potatoes	+24 mm
Droughtiness Grade	1	(Calculated to 120 cm)

Final ALC Grade 3a

Main Limiting Factor(s) Wetness

Remarks Borderline WCII (Grade 2)
Topsoil PSD MZCL to 25 cm