

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	822 mm	PARENT MATERIAL		
Sherford Taunton		Pit 1 (ASP 54)	2° N	POT	ATO	1536 day °C	Keuper Marl		
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	<175	SOIL SAMPLE REFERENCES		
76/94		30/6/94	ST 226 228	HLJ	Climatic Grade	1	RPT/HLJ/53		
					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	35	HZCL	7 5YR3/4	<1% HR (Vis)	None	none				G	FF + VF	none	Sharp wavy
2	60+	C	2 5YR4/6	<1% HR (Vis)	None	F	MCAB	Fm	M	P	FVF	none	

Profile Gleyed From Not gleyed

Depth to Slowly Permeable Horizon 35 cm

Wetness Class IV

Wetness Grade 3b

NL3561

Available Water Wheat 142 mm

Potatoes 118 mm

Moisture Deficit Wheat 106 mm

Potatoes 99 mm

Moisture Balance Wheat 56 mm

Potatoes 19 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3b

Main Limiting Factor(s) Wetness

Remarks

SITE NAME		PROFILE NO		SLOPE AND ASPECT		LAND USE		Av Rainfall 822 mm		PARENT MATERIAL			
Sherford		Pit 2		0		Cer		ATO 1536 day °C		Keuper Marl			
JOB NO		DATE		GRID REFERENCE		DESCRIBED BY		FC Days <175		SOIL SAMPLE REFERENCES			
76 94		30/6/94		ASP 25 ST 232 231		PB/GMS		Climatic Grade 1		RPT/PB/146			
								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	25	MCL	75YR42	0 Vis	0	0				G	CF	0	Clear smooth
2	50	C	75YR43	10% HR Vis	0	0	MCSAB	Fv	M	G	FF	0	Clear smooth
3	70	C	75YR44	5% HR Vis	0	C	MCSAB	Fm	P	G	FF	0	Clear smooth
4	90+	C	05YR44 (05YR44)	0%	0	F	MCAB	Fm	M	P	FF	0	

Profile Gleyed From 50
Depth to Slowly Permeable Horizon 70
Wetness Class II
Wetness Grade 2

NL3361

Available Water Wheat 135 mm
Potatoes 106 mm
Moisture Deficit Wheat 106 mm
Potatoes 99 mm
Moisture Balance Wheat 29 mm
Potatoes 7 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 2
Main Limiting Factor(s) Wetness

Remarks

SITE NAME Sherford		PROFILE NO Pit 3	SLOPE AND ASPECT 1° E	LAND USE Cer	Av Rainfall 822 mm	ATO 1536 day °C	PARENT MATERIAL Keuper Marl	
JOB NO 76/94		DATE 1/7/94	GRID REFERENCE ST 227 223 (ASP 110)	DESCRIBED BY PB/NAD	FC Days >175	Climatic Grade 1	Exposure Grade 1	SOIL SAMPLE REFERENCES RPT/PB/147

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	25	HZCL	05YR44	0% Vis	0	0				G	MF	0	Clear smooth
2	40	C	05YR44	0% Vis	0	F	MDSAB	Firm	M	G	CF	0	Gradual/ smooth
3	90+	C	2.5YR43	0% Vis	0	F	MDCAB	V Firm	M	P pores well fissured	CF	0	

Profile Gleyed From

Depth to Slowly Permeable Horizon 40

Wetness Class III

Wetness Grade 3b

NL3361

Available Water Wheat 144 mm

Potatoes 120 mm

Moisture Deficit Wheat 106 mm

Potatoes 99 mm

Moisture Balance Wheat 38 mm

Potatoes 21 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3b

Main Limiting Factor(s) We*

Remarks

Well developed fissures in bottom of H3 and no direct evidence of wetness therefore not an spl below 75cm *Wetness not an obvious limiting factor

SITE NAME		PROFILE NO		SLOPE AND ASPECT		LAND USE		Av Rainfall 822 mm		PARENT MATERIAL		
Sherford		Pit 4		2 East		Plough		ATO 1536 day °C		Keuper Marl		
JOB NO		DATE		GRID REFERENCE		DESCRIBED BY		FC Days >175		SOIL SAMPLE REFERENCES		
76/94		1/7/94		(ASP 94) ST 233 225		NAD		Climatic Grade 1		RPT/PB/148		
								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	30	HZCL	7 5YR42	2% HR Vis							Few fine + dead plant matter		Clear/ smooth
2	40	HCL	0 5YR44	2% HR Vis		f	MDCSAB	Friable	M	G	CF		Clear/ smooth
3	50	C	5YR46 + 2 5YR50			f	MDCAB	Friable	M	G	FF		Gradual/ smooth
4	100+	C	2 5YR46 (0 5YR44) + 2 5YR50			f	MDCSAB	Friable	M	P			

Profile Gleyed From N/A
Depth to Slowly Permeable Horizon N/A
Wetness Class 1
Wetness Grade 3a

NL3361

Available Water Wheat 144 mm
Potatoes 120 mm
Moisture Deficit Wheat 106 mm
Potatoes 99 mm
Moisture Balance Wheat 38 mm
Potatoes 21 mm
Droughtiness Grade 1 (Calculated to 120 cm)

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

Remarks
Subsoils moist to depth

SITE NAME		PROFILE NO		SLOPE AND ASPECT		LAND USE		Av Rainfall 822 mm		PARENT MATERIAL			
Sherford		Pit 5		0		PGR		ATO 1536 day °C		Valley Gravel			
JOB NO		DATE		GRID REFERENCE		DESCRIBED BY		FC Days <175		SOIL SAMPLE REFERENCES			
76/94		1/7/94		ASP 9 ST 227 232		PB/HLJ		Climatic Grade 1		RPT/PB/149			
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	23	HZCL	7.5YR4.2	0	0	0				G	MVF	0	Clear smooth
2	100+	C	7.5YR4.3	1% HR (Vis)	0	0	MCSAB	Fm	M	G	CVF	0	

Profile Gleyed From Not gleyed

Depth to Slowly Permeable Horizon No SPL

Wetness Class I

Wetness Grade 2

NL3361

Available Water Wheat 140 mm

Potatoes 116 mm

Moisture Deficit Wheat 106 mm

Potatoes 99 mm

Moisture Balance Wheat +34 mm

Potatoes +17 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 2

Main Limiting Factor(s) Wk

Remarks

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	822 mm	PARENT MATERIAL	
Sherford		Pit 6 (ASP 70)	2° NW	FRT	ATO	1536 day °C	Keuper Marl	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	<175	SOIL SAMPLE REFERENCES	
76/94		1/7/94	ST 230 227	HLJ/PB	Climatic Grade	1	RPT/PB/160	
					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	40	ZC	7.5YR4.4	2% HR (Vis)	N	N				G	MF + VF	NC	Gradual Smooth
2	70	C	10.5YR4.4	<1% HR (Vis)	N	F	MMPr	Fm	M	G	CF + VF	NC	Gradual Smooth
3	95+	C	2.5YR4.6	0% HR (Vis)	N	N	MCAB	Fm	M	P	FF	NC	

Profile Gleyed From Not Gleyed

Depth to Slowly Permeable Horizon 70 cm

Wetness Class II

Wetness Grade 3b

NL3361

Available Water Wheat 130 mm

Potatoes 114 mm

Moisture Deficit Wheat 106 mm

Potatoes 99 mm

Moisture Balance Wheat 32 mm

Potatoes 15 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3b

Main Limiting Factor(s) Wetness

Remarks