

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	920 mm	PARENT MATERIAL	
Sandford		Pit 1 (ASP 1)	0°	Permanent Grass	ATO	1531day °C	Mercia Mudstone	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	200	SOIL SAMPLE REFERENCES	
36/95		25/5/95	ST 424 599	PB/GMS	Climatic Grade	1	RPT/HLJ/164	
					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	24	HCL	7 5YR32	1% HR (Visual)	None	None				Good	MF VF		Clear Smooth
2	50	C	7 5YR53	3%HR (Visual)	CDFO* 7 5YR46	Few	MCSAB	Friable	Moderate	Poor	MVF to 40 cm CVF below 40 cm		Gradual Smooth
3	75	C	7 5YR54 (7 5YR53)	3%HR (Visual)	CDFO 7 5YR46	Common	MCAB	Friable	Moderate	Poor	FVF		Gradual Smooth
4	120+	C	2 5YR46	None	None	None	WMAB	Firm	Poor	Poor	None		

Profile Gleyed From 40 cm

Depth to Slowly Permeable Horizon 50 cm

Wetness Class III

Wetness Grade 3b

Available Water Wheat 134 mm

Potatoes 114 mm

Moisture Deficit Wheat 93 mm

Potatoes 83 mm

Moisture Balance Wheat 41 mm

Potatoes 31 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3b

Main Limiting Factor(s) Wetness

Remarks

\*Few feint fine grey and ochreous mottles within 40 cm, become more common below 40 cm

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	920 mm	PARENT MATERIAL	
Sandford		Pit 2 (ASP 16)	1° West	Permanent Grass	ATO	1531 day °C	Mercia Mudstone	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	200	SOIL SAMPLE REFERENCES	
36/95		25/5/95	ST 417 593	PB/GMS	Climatic Grade	1	RPT/HLJ/165	
					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	29	MSL	7 5YR43	2%HR (Visual)	None	Few				Good	MVF		Abrupt Smooth
2	40	MSL	05YR43	3%HR (Visual)	None	Few	MCAB	Friable	Moderate	Good	FVF		Clear Smooth
3	57	SCL	05YR43 (5YR53)	20%HR (Visual)	CDFOG 7 5YR46 52	Common	MCSAB	Friable	Moderate	Low within ped. Worms between peds	FVF		Gradual Smooth
4	120	C	2 5YR34 (2 5YR43)	None	None	Few	WCPr breaking to WM+FAB	Firm	Poor	Low	FVF		

Profile Gleyed From 40 cm

Depth to Slowly Permeable Horizon 57 cm

Wetness Class III

Wetness Grade 3a

Available Water Wheat 126 mm

Potatoes 102 mm

Moisture Deficit Wheat 93 mm

Potatoes 83 mm

Moisture Balance Wheat 33 mm

Potatoes 19 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3a

Main Limiting Factor(s) Wetness

Remarks