

SITE NAME Carhampton		PROFILE NO. Pit 1 (ASP 1)	SLOPE AND ASPECT 1° NE	LAND USE Wheat	Av Rainfall: 869 mm ATO: 1536 day °C	PARENT MATERIAL Upper Marls
JOB NO. 27.96		DATE 9.8.96	GRID REFERENCE ST 0040 4280	DESCRIBED BY PB	FC Days: 189 Climatic Grade: 1 Exposure Grade: 1	SOIL SAMPLE REFERENCES PB 388

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	5YR44	2%>2cm 5%<2cm 7%HR(S+D)	0	0	-	-	-	-	MF, VF	-	Clear smooth
2	46	C	5YR46	10%>2cm 19%<2cm 29%HR(S+D)	0	F	MF, MSAB	Fr	G	G	CF, VF	-	Smooth
3	52	C	2.5YR53 05YR73	36% HR (VIS)	MDFG (5YR 72) CDFO(5YR56)	C	WF, CSAB	Fm	M	P	CVF	-	Clear smooth
4	80+	C	2.5YR34	12%>2cm 24%<2cm 36%HR(S+D)	CDFO (5YR56)	C	WC, MSAB	Fm	P	P	FVF	-	

Profile Gleyed From: 46 cm  
Depth to Slowly Permeable Horizon: 52 cm  
Wetness Class: III  
Wetness Grade: 3b

Available Water Wheat: 110 mm  
Potatoes: 95 mm  
Moisture Deficit Wheat: 95 mm  
Potatoes: 85 mm  
Moisture Balance Wheat: +15 mm  
Potatoes: +10 mm  
Droughtiness Grade: 2 (Calculated to 120 cm)

Final ALC Grade: 3b  
Main Limiting Factor(s): We

Remarks: H4 not a convincing SPL and no evidence of wetness above 46 cm ∴ borderline to 3a (workability)