

SITE NAME Junction 16 M4		PROFILE NO. Pit 1 (ASP 44)	SLOPE AND ASPECT 0°	LAND USE PGR	Av Rainfall: 720 mm ATO: 1407 day °C	PARENT MATERIAL Kimmeridge Clay	
JOB NO. 51/94		DATE 20/6/94	GRID REFERENCE SU 100 826	DESCRIBED BY H Lloyd-Jones	FC Days: 160 Climatic Grade: 1 Exposure Grade: 1	SOIL SAMPLE REFERENCES	

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	18	HCL	10YR41	<1% (Vis)	2.5YR46 (root channels)	None	-	-	-	G	MF+VF	NC	Clear Smooth
2	32	C	7.5YR40	<1% (Vis)	CDMOM (7.5YR68)	None	MCP breaking to MCAB	VM	P	P	CF+VF	NC	Clear Smooth
3	85+	C	7.5YR60	2% HR (Vis)	MDMOM (7.5YR68)	None	MCP breaking to MCAB	VM	P	P	CF+VF	NC	-

Profile Gleyed From: 0 cm  
Depth to Slowly Permeable Horizon: 18 cm  
Wetness Class: IV  
Wetness Grade: 3b

NL336h

Available Water Wheat: 121 mm  
Potatoes: 99 mm  
Moisture Deficit Wheat: 99 mm  
Potatoes: 89 mm  
Moisture Balance Wheat: 22 mm  
Potatoes: 10 mm  
Droughtiness Grade: 2 (Calculated to 120 cm)

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

Remarks: