

SITE NAME Yeovil		PROFILE NO. Pit 1	SLOPE AND ASPECT Flat	LAND USE Ley	Av Rainfall: 787 mm ATO: 1487 day °C	PARENT MATERIAL Pennard Sands	
JOB NO. 96/93		DATE 28 October 1993	GRID REFERENCE ASP 64; ST 5200 1680	DESCRIBED BY Nigel Done	FC Days: 169 Climatic Grade: 1 Exposure Grade: N/A	SOIL SAMPLE REFERENCES GC/108, GC/102	

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	10YR54	none	-	none	-	-	-	-	Many fine, few medium	none	Clear/ smooth
2	45	MCL	2.5Y54	negligible	-	few	MCAB	Friable	Moderate	Many pores >0.5%	Many fine	none	Gradual/ smooth
3	90+	C (with lenses of FSZL)	2.5Y64	none	CDOM 10YR68	many	MCAB (tending to prismatic)	Friable	Moderate	Occasional earth worm channels (<0.5%)	Common fine	none	-

Profile Gleyed From: 45cm
 Depth to Slowly Permeable Horizon: 45cm
 Wetness Class: III
 Wetness Grade: 3a

Available Water Wheat: 141 mm
 Potatoes: 117 mm
 Moisture Deficit Wheat: 103 mm
 Potatoes: 95 mm
 Moisture Balance Wheat: 38 mm
 Potatoes: 22 mm
 Droughtiness Grade: 1 (Calculated to 120 cm)

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

Remarks:

SITE NAME Yeovil		PROFILE NO. Pit 2	SLOPE AND ASPECT 0°		LAND USE Permanent Pasture		Av Rainfall: 787 mm ATO: 1487 day °C		PARENT MATERIAL Junction Beds (Ferruginous and argillaceous limestone)				
JOB NO. 96/93		DATE 28/10/93	GRID REFERENCE ASP 84; ST 5210 1640		DESCRIBED BY NAD/GJC		FC Days: 169 Climatic Grade: 1 Exposure Grade: N/A		SOIL SAMPLE REFERENCES GC/101				

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	15	MZCL	10YR43	2% SLST sieved	none	none	-	-	-	>0.5%	Many fine + v. fine	none	Clear/ smooth
2	30	MCL	10YR44	14% >2cm 11% <2cm 25% Total SLST (Dry + wet sieved)	none	none	WMSAB	Friable	Good	>0.5%	Many fine + v. fine	none	Clear/ smooth
3	60	MCL	10YR56	30% >2cm 20% <2cm 50% hard limestone (sieved)	none	none	Too stony to assess	-	Assumed moderate	Fissures due to stones	Common fine + v. fine	Very calcareous	-
4	120	SLST	2.5Y71	-	none	none	-	-	Assumed moderate	Fissures due to stones	-	Very calcareous	-

Profile Gleyed From: Not gleyed
Depth to Slowly Permeable Horizon: No SPL
Wetness Class: 1
Wetness Grade: 1

Available Water Wheat: 98 mm
Potatoes: 87 mm
Moisture Deficit Wheat: 103 mm
Potatoes: 95 mm
Moisture Balance Wheat: -5 mm
Potatoes: -8 mm
Droughtiness Grade: 3A (Calculated to 120 cm)

Final ALC Grade: 3A
Main Limiting Factor(s): Droughtiness

Remarks:
Pit impenetrable to spade at 60cm; probably >70% limestone.