

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	840 mm	PARENT MATERIAL	
Engine Lane Nailsea		Pit 1 (ASP 14)	1° North	Permanent Grass	ATO	1531 day °C	Sandstone	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	190	SOIL SAMPLE REFERENCES	
30/95		26/5/95	ST 455 699	GMS/KS	Climatic Grade	1	None	
					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	15	MSL	7 5YR32	2 %HR>2cm (S) 4 %HR<2cm (S+D) 6 %HR Total	None	None				Good	MF+VF		Abrupt Smooth
2	40	MSL	7 5YR44	2 %HR>2cm (S) 9 %HR<2cm (S+D) 11 %HR Total	None	None	MCAB	Frable	Moderate	Good	MF+VF		Gradual Smooth
3	90+	MSL	05YR44	8 %HR>2cm (S) 11 %HR<2cm (S+D) 19 %HR Total	None	None	WCAB	Frable	Good	Good	CF+VF		

Profile Gleyed From	Not gleyed	Available Water	Wheat	147 mm	Final ALC Grade	1
Depth to Slowly Permeable Horizon	Not spl		Potatoes	100 mm	Main Limiting Factor(s)	
Wetness Class	I	Moisture Deficit	Wheat	94 mm		
Wetness Grade	1		Potatoes	85 mm		
		Moisture Balance	Wheat	53 mm	Remarks	
			Potatoes	15 mm		
		Droughtiness Grade		1 (Calculated to 120 cm)		

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	840 mm	PARENT MATERIAL	
Engine Lane Nailsea		Pit 2 (ASP 55)	2 ° North	Permanent Grass	ATO	1531 day °C	Sandstone	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	190	SOIL SAMPLE REFERENCES	
30/95		31/5/95	ST 455 694	HLJ/GMS	Climatic Grade	1	None	
					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	22	MSL	05YR43	1 %HR>2cm (S) 7% HR<2cm (S+D) 8 /HR Total	None	None				Good	MF+VF		Clear Smooth
2	50	MSL	7 5YR42	25 %HR>2cm (S) 15 %HR<2cm (S+D) 40%HR Total	None	None	WMSAB	Frable	Good	Good	MF+VF		Clear Smooth
3	70	MSL	7 5YR56	25 %HR>2cm (S) 23 /HR<2cm (S+D) 48%HR Total	None	None	WMSAB	Very Frable	Good	Good	CF+VF (between stones)		Clear Smooth
4	120	MSL	7 5YR56	>70%HR Total (VIS)	None	Nonw	WMSAB	Very Frable	Good	Good	CF+VF (between stones)		

Profile Gleyed From Not gleyed

Depth to Slowly Permeable Horizon No spl

Wetness Class I

Wetness Grade 1

Available Water Wheat 81 mm

Potatoes 83 mm

Moisture Deficit Wheat 94 mm

Potatoes 84 mm

Moisture Balance Wheat 13 mm

Potatoes 1 mm

Droughtiness Grade 3a (Calculated to 120 cm)

Final ALC Grade 3a

Main Limiting Factor(s) Droughtiness

Remarks

Structure in subsoil determined by stones Roots decrease with depth in H4