

SITE NAME Long Burton		PROFILE NO Pit 1 (ASP 5)	SLOPE AND ASPECT 2° East	LAND USE Permanent Grass	Av Rainfall 897 mm	PARENT MATERIAL Forest Marble (clays and lenticular limestone)	
JOB NO 61/95		DATE 19/9/95	GRID REFERENCE ST651 132	DESCRIBED BY HLJ	ATO 1477 day °C	SOIL SAMPLE REFERENCES None	
					FC Days 188		
					Climatic Grade 1		
					Exposure Grade		

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	23	HCL	10YR43	1/HR TOTAL (VIS)	None	None				Good	MF+VF		Clear Smooth
2	36	HCL	10YR56	1/HR TOTAL (VIS)	FFVFO (10YR66)	Few	MCSAB	Friable	Moderate	Good	CF+VF		Sharp Smooth
3	65	C	10YR56	1/HR TOTAL (VIS)	CDFO+G (10YR68 62)	Common	WCSAB (probably CAB with depth)	Firm	Poor	Poor	FVF		

Profile Gleyed From Not Gleyed

Depth to Slowly Permeable Horizon 36cm

Wetness Class III

Wetness Grade 3b

Available Water Wheat 128 mm

- Potatoes 105 mm

Moisture Deficit Wheat 98 mm

Potatoes 89 mm

Moisture Balance Wheat 30 mm

Potatoes 16 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3b

Main Limiting Factor(s) Wetness

Remarks Augured to 100cm

SITE NAME Long Burton		PROFILE NO Pit 2 (ASP 12)	SLOPE AND ASPECT 1° East	LAND USE Permanent Grass	Av Rainfall 897 mm	PARENT MATERIAL Forest Marble (clay and lenticular limestone)	
JOB NO 61/95		DATE 19/9/95	GRID REFERENCE ST650 126	DESCRIBED BY HLJ	ATO 1477 day °C	SOIL SAMPLE REFERENCES None	
					FC Days 188		
					Climatic Grade 1		
					Exposure Grade		

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	30	MCL	10YR44	1 / HR TOTAL (VIS)	None	None				Good	MF+VF		Clear Wavy
2	70	HCL	10YR56	50 / HR > 2cm(s) 9 / HR < 2cm (S&D) 59% HR TOTAL	None	None	WMSAB	Friable	Good	Good	CF+VF		Clear Smooth
3	120	HR	10YR66	80 90 / HR TOTAL (VIS)	None	None			Moderate	Good	FVF		

Profile Gleyed From Not Gleyed

Depth to Slowly Permeable Horizon No SPL

Wetness Class 1

Wetness Grade 2

Available Water Wheat 86 mm

Potatoes 90 mm

Moisture Deficit Wheat 98 mm

Potatoes 89 mm

Moisture Balance Wheat 12 mm

Potatoes 1 mm

Droughtiness Grade 3a (Calculated to 120 cm)

Final ALC Grade 3a

Main Limiting Factor(s) Drought

Remarks Depth of H1 varied from 22cm to 38cm within the pit It is possible that there is a Subgrade 3a depth limitation as well