

SITE NAME Mount Howe		PROFILE NO Pit 1	SLOPE AND ASPECT 0°	LAND USE PGR	Av Rainfall 1584 mm	ATO 819 day °C	PARENT MATERIAL Alluvium	
JOB NO 103/93		DATE 20/7/94	GRID REFERENCE SX972874 (ASP 37)	DESCRIBED BY HLJ/GMS	FC Days 172	Climatic Grade 1	SOIL SAMPLE REFERENCES RPT/GMS 430	
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	27	HZCL	7 5YR42	<1% HR Visual	CDMO	None				G	MF+VF		Gradual smooth
2	50	HCL	05YR53 (05YR52)	None Visual	CDMO	None	MCSAB	Friable	M	G	MF+VF		Gradual smooth
3	90+	ZC	7 5YR53 (7 5YR52)	None Visual	MDMO	None	WCSAB (breaking to MSAB)	Friable	M	G	M+VFV		

Profile Gleyed From 0 cm

Depth to Slowly Permeable Horizon N/A

Wetness Class IV

Wetness Grade 3b

Available Water Wheat 120 mm

Potatoes 118 mm

Moisture Deficit Wheat 111 mm

Potatoes 106 mm

Moisture Balance Wheat 9 mm

Potatoes 12 mm

Droughtiness Grade 2 (Calculated to 90 cm)

Final ALC Grade 3b

Main Limiting Factor(s) Wetness

Remarks

Groundwater gleying (wet within 40 cm for 91 210 days and no SPL) therefore WC IV

SITE NAME		PROFILE NO.	SLOPE AND ASPECT	LAND USE	Av Rainfall: 1584 mm	PARENT MATERIAL
Mount Howe		Pit 2	2° S	Ley	ATO: 819 day °C	
JOB NO.		DATE	GRID REFERENCE	DESCRIBED BY	FC Days: 172	SOIL SAMPLE REFERENCES
103/93		20/7/94	SX970874 (ASP 35)	NAD, GMS, HLJ	Climatic Grade: 1	
					Exposure Grade: 1	RPT/GMS 431, 432

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	MSL	10YR43	5% HR Total (S+D)	N	N	-	-	-	G	MF	-	Abrupt smooth
2	70	MSL	05YR43	15% HR Total (S+D)	N	N	(Compact platy horizon at boundary) WCSAB	Friable	G	G	CF+VF	-	
3	120	MSL	05YR46	5% HR Total (Visual)	N	N	WCSAB	Friable	G	G	FF (to 80 cm)	-	

Profile Gleyed From: N/A

Depth to Slowly Permeable Horizon: N/A

Wetness Class: I

Wetness Grade: 1

Available Water Wheat: 162 mm

Potatoes: 107 mm

Moisture Deficit Wheat: 111 mm

Potatoes: 106 mm

Moisture Balance Wheat: 51 mm

Potatoes: 1 mm

Droughtiness Grade: 2 (Calculated to 120 cm)

Final ALC Grade: 2

Main Limiting Factor(s): Droughtiness

Remarks: