

SITE NAME Kingsteignton		PROFILE NO. Pit 1(Nr Asp 10)	SLOPE AND ASPECT 0°	LAND USE Fal	Av Rainfall: 962 mm ATO: 1598 day °C FC Days: 197 Climatic Grade: 1 Exposure Grade: 1		PARENT MATERIAL Abbrook Clay		
JOB NO. 16.99		DATE 11/3/99	GRID REFERENCE SX 8675 7495	DESCRIBED BY P B & G N		PSD SAMPLES TAKEN TS 0-25 cm : SZL (S42: Z43: C15%)			

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	32	SZL	7.5YR3/2	5%HR (vis)	0	0	-	-	-	-	CF,VF	-	Grad Smooth
2	42	HCL	10YR5/4+4/3	5%HR (v)	0	0	WKCSAB	FR	M	G	C,VF	-	Grad Irregular
3	50	HCL	10YR7/3	5% HR (v)	CDCO 10YR7/6	0	WKCSAB	FM	M	G	F,VF	-	Grad Irregular
4	73+	C	2.5Y7/2+8/1	1%HR (v)	MDMO 10YR5/6	0	Massive	VM	P	P Few worm channels ex ped	F,VF	-	

Profile Gleyed From: 42 cm
Slowly Permeable Horizon From: 50 cm
Wetness Class: III
Wetness Grade: 3a

Available Water Wheat: 131 mm
Potatoes: 108 mm
Moisture Deficit Wheat: 103 mm
Potatoes: 96 mm
Moisture Balance Wheat: 28 mm
Potatoes: 12 mm
Droughtiness Grade: 2 (Calculated to 120 cm)

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

Remarks:

SITE NAME Kingsteignton		PROFILE NO. Pit 2 (Nr Asp 5)	SLOPE AND ASPECT 0°	LAND USE RGR	Av Rainfall: 962 mm ATO: 1598 day °C FC Days: 197 Climatic Grade: 1 Exposure Grade: 1	PARENT MATERIAL Abbrook Clay
JOB NO. 16.99		DATE 11/3/99	GRID REFERENCE SX 8665 7505	DESCRIBED BY GN & PB		PSD SAMPLES TAKEN None taken

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	8	C	10YR5/2	0	CRC 7.5YR4/6	0	-	-	-	-	F,VF	-	Clear Smooth
2	20	C	7.5YR6/2	1%HR (v)	CDFO 7.5YR4/6	0	MDFSAB	Fr	M	G	MF,VF	-	Grad Smooth
3	35	C	7.5YR6/2	1%HR (v)	CDFO 7.5YR5/8	F	MDCPR	FM	P	P*	CF,VF	-	Grad Smooth
4	64+	C	10YR6/2	1%HR (v)	MDMO 10YR5/6	0	MDCPR	FM	P	P*	CF,VF	-	-

Profile Gleyed From: 0 cm

Slowly Permeable
Horizon From: 20 cm

Wetness Class: IV

Wetness Grade: 4

Available Water Wheat: 120 mm

Potatoes: 97 mm

Moisture Deficit Wheat: 103 mm

Potatoes: 96 mm

Moisture Balance Wheat: 17 mm

Potatoes: 1mm

Droughtiness Grade: 2 (Calculated to 120 cm)

Final ALC Grade: 4

Main Limiting Factor(s): Wetness

Remarks: Rushes & Water at surface.
* porosity H3 & H4 borderline good. Water collecting in pit mainly over top of H4.