

SITE NAME Ansford Bridge Castle Cary		PROFILE NO Pit 1 (Asp 4)	SLOPE AND ASPECT 0°	LAND USE Maize stubble	Av Rainfall 796 mm	PARENT MATERIAL River Terrace gravel	
JOB NO 71/95		DATE 17/1/96	GRID REFERENCE ST 638338	DESCRIBED BY PB/GMS	ATO 1520 day °C	SOIL SAMPLE REFERENCES PB 330	
					FC Days 172		
					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	28	MCL	10YR42	2% HR(vis)	0	0				G	MF VF		Ab Smooth
2	38	HCL	10YR54	2% HR(vis)	0	F	MCSAB	Friable	M	>0.5	CVF		Clear smooth
3	50	HCL	10YR64	20% >2 cm 40% <2 cm 60% HR(S+D)	0	C	Too stony		M	G	FVF		Clear smooth
4	85+	CSL	10YR64	72% GH(S+D)	0		Too stony		M	G			

Profile Gleyed From

Depth to Slowly Permeable Horizon

Wetness Class 1

Wetness Grade 1

Available Water	Wheat	81 mm
	Potatoes	78 mm
Moisture Deficit	Wheat	106 mm
	Potatoes	99 mm
Moisture Balance	Wheat	25 mm
	Potatoes	21 mm
Droughtiness Grade	3b	(Calculated to 120 cm)

Final ALC Grade 3b

Main Limiting Factor(s) Dr

Remarks

SITE NAME Ansford Bridge Castle Cary		PROFILE NO Pit 2 (Asp 18)	SLOPE AND ASPECT 0°	LAND USE Ley	Av Rainfall 796 mm ATO 1520 day °C FC Days 172 Climatic Grade 1 Exposure Grade	PARENT MATERIAL River Terrace clay
JOB NO 71/95		DATE 17/1/96	GRID REFERENCE ST 6332335	DESCRIBED BY PB/GMS		SOIL SAMPLE REFERENCES PB 331

Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size Type and Field Method	Motiling 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	20	MCL	10YR42	none	none	none				-	CVF		Abrupt smooth
2	30	HCL	10YR54	none	none	none	WCSAB	Frable	M	>0 5	FVF		Clear smooth
3	42	C	10YR53	none	CFFOG	few	MCSAB	Frable	M	>0 5	FVF		Clear smooth
4	70+	C	25Y63	none	MDMOG	few	WCPr	Firm	P	<0 5	FVF		

Profile Gleyed From 30 cm
Depth to Slowly Permeable Horizon 42cm
Wetness Class 1V
Wetness Grade 3b

Available Water Wheat 131 mm
Potatoes 108 mm
Moisture Deficit Wheat 106 mm
Potatoes 99 mm
Moisture Balance Wheat +25 mm
Potatoes +9 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 3b
Main Limiting Factor(s) Wetness

Remarks