

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	846 mm	PARENT MATERIAL	
Congesbury		Pit 1 (ASP 42)	1° South West	Permanent Grass	ATO	1547 day °C	Higher estuarine alluvium	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	190	SOIL SAMPLE REFERENCES	
35/95		25/5/95	ST 436 630	HLJ/PB	Climatic Grade	1	RPT/HLJ/162	
					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	24	MCL	10YR43	1%HR (VIS)	None	None				Good	MF+VF		Clear smooth
2	44	HCL	10YR53	1%HR (VIS)	CDFGO 10YR52 75YR53	C	WCSAB	Friable	Moderate	Good	FVF		Clear wavy
3	70	C	10YR42	0% (VIS)	CDMOG 75YR58 10YR62	C	MCPPr	Very firm	Poor	Poor	FF+VF		Abrupt wavy
4	100+	C	05YR72	0%(VIS)	CDMO 10YR66	C	WCSAB	Firm	Moderate	Poor	FVF		

Profile Gleyed From 24 cm

Depth to Slowly Permeable Horizon 44 cm

Wetness Class IV

Wetness Grade 3b

Available Water Wheat 141 mm

Potatoes 113 mm

Moisture Deficit Wheat 98 mm

Potatoes 89 mm

Moisture Balance Wheat 43 mm

Potatoes 24 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3b

Main Limiting Factor(s) Wetness

Remarks

SITE NAME Congresbury		PROFILE NO Pit 2(ASP 6)	SLOPE AND ASPECT 0°	LAND USE Permanent Grass	Av Rainfall 846 mm	PARENT MATERIAL Estuarine Alluvium	
JOB NO 35/95		DATE 26/5/95	GRID REFERENCE ST 433 636	DESCRIBED BY GMS/KS	ATO 1547 day °C	SOIL SAMPLE REFERENCES None	
					FC Days 190		
					Climatic Grade 1		
					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	C	10YR41	0% (VIS)	None	None				Good	MF+VF		Abrupt /smooth
2	46	C	10YR52	0% (VIS)	CDVFO 10YR46	Few	MCAB	Firm	Poor	Poor	MF+VF		Clear Smooth
3	65+	C	10YR51	0% (VIS)	CDVFO 10YR46	None	MCAB	Firm	Poor	Poor	CVF		

Profile Gleyed From 15 cm
Depth to Slowly Permeable Horizon 15 cm
Wetness Class IV
Wetness Grade 4

Available Water Wheat 120 mm
Potatoes 97 mm
Moisture Deficit Wheat 98 mm
Potatoes 89 mm
Moisture Balance Wheat 22 mm
Potatoes 8 mm
Droughtness Grade 2 (Calculated to 120 cm)

Final ALC Grade 4
Main Limiting Factor(s) Wetness

Remarks
Pit Dug to 65 cm Augered to 120 cm

SITE NAME		PROFILE NO	SLOPE AND ASPECT		LAND USE		Av Rainfall		846 mm		PARENT MATERIAL		
Congresbury		Pit 3 (ASP 25)	1° East		Permanent Grass		ATO		1547 day °C		Higher Estuarine Alluvium		
JOB NO		DATE	GRID REFERENCE		DESCRIBED BY		FC Days		190		SOIL SAMPLE REFERENCES		
35/95		31/5/95	ST 443 633		HLJ/GMS		Climatic Grade		1		None		
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	16	HCL	10YR43	<1%HR TOTAL (VIS)	None	None				Good	MF+VF		Clear Wavy
2	30	HCL	10YR42	<1%HR TOTAL (VIS)	CDVFO+G 75YR58 62	None	MCSAB	Frable	Moderate	Poor	CF+VF		Clear Smooth
3	70+	C	25YR54 (10YR52)	<1%HR TOTAL (VIS)	CDVFO 7 5YR68	Few	MCPPr	Very Firm	Poor	Poor	FF		

Profile Gleyed From 16 cm
Depth to Slowly Permeable Horizon 16 cm
Wetness Class IV
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
Augered to 100cm