

SITE NAME St Georges Weston Super Mare		PROFILE NO Pit 1 (ASP 56)	SLOPE AND ASPECT 0°	LAND USE Permanent Grass	Av Rainfall 834 mm	PARENT MATERIAL Estuarine Alluvium	
JOB NO 31/95		DATE 1/6/95	GRID REFERENCE ST 383 624	DESCRIBED BY HLJ	ATO 1552 C	SOIL SAMPLE REFERENCES None	
					FC Days 184		
					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	HCL	10YR42	<1%HR Total (Vis)	FDVFO 75YR56	None				Good	CF+VF		Clear Smooth
2	40	C	10YR52	<1%HR Total (Vis)	CDVFO+G 75YR56 61	C	MCPPr	Firm	Poor	Poor	FF+VF		Clear Smooth
3	70+	C	10YR62	<1%HR Total (Vis)	CDFO+G 75YR56 51	C	MCPPr	Firm	Poor	Poor	FVF		

Profile Gleyed From 15 cm

Depth to Slowly Permeable Horizon 15 cm

Wetness Class IV

Wetness Grade 4

Available Water Wheat 120 mm

Potatoes 98 mm

Moisture Deficit Wheat 101 mm

Potatoes 93 mm

Moisture Balance Wheat 19 mm

Potatoes 5 mm

Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 4

Main Limiting Factor(s) Wetness

Remarks

SITE NAME St Georges Weston Super Mare		PROFILE NO Pit 2 (ASP 22)	SLOPE AND ASPECT 0°	LAND USE Permanent Grass	Av Rainfall 834 mm	PARENT MATERIAL Estuarine Alluvium	
JOB NO 31/95		DATE 2/6/95	GRID REFERENCE ST 387 632	DESCRIBED BY HLJ/GMS	ATO 1552 day °C	SOIL SAMPLE REFERENCES None	
					FC Days 184		
					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	18	HZCL	10YR42	0% Visual	None	None				Good	MF VF		Clear Smooth
2	36	HZCL	10YR42 (10YR52)	0% Visual	FDFO 7 5YR56	Few	MCSAB	Firm	Moderate	Poor	CF VF		Clear Smooth
3	52	C	7 5YR52	0% Visual	CDFO 7 5YR56	Few	MCSAB	Firm	Moderate	Poor	FF VF		Clear Smooth
4	80+	C	10YR52	0% Visual	CDFO 7 5YR56	Common	WCAB	Firm	Poor	Poor	FVF		

Profile Gleyed From 36 cm
Depth to Slowly Permeable Horizon 52 cm
Wetness Class III
Wetness Grade 3b

Available Water Wheat 136 mm
Potatoes 114 mm
Moisture Deficit Wheat 101 mm
Potatoes 93 mm
Moisture Balance Wheat 35 mm
Potatoes 21 mm
Droughtiness Grade 1 (Calculated to 120 cm)

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

Remarks

SITE NAME St Georges Weston Super Mare		PROFILE NO Pit 3 (ASP 25)	SLOPE AND ASPECT 0°	LAND USE Permanent Grass	Av Rainfall 834 mm	PARENT MATERIAL Estuarine Alluvium	
JOB NO 31/95		DATE 2/6/95	GRID REFERENCE ST 383 631	DESCRIBED BY HLJ/GMS	ATO 1552 day °C	SOIL SAMPLE REFERENCES None	
					FC Days 184		
					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	28	HZCL	10YR42	<1%HR (VIS)	FDVFO (7 5YR56)	None				Good	MF+VF		Clear Smooth
2	60+	C	10YR51	<1%HR (VIS)	CDFO (10YR56)	Common	MCPPr	Firm	Poor	Poor	CVF		

Profile Gleyed From 28 cm

Depth to Slowly Permeable Horizon 28 cm

Wetness Class IV

Wetness Grade 4

Available Water Wheat 130 mm

Potatoes 107 mm

Moisture Deficit Wheat 101 mm

Potatoes 93 mm

Moisture Balance Wheat 29 mm

Potatoes 14 mm

Droughtness Grade 2 (Calculated to 120 cm)

Final ALC Grade 4

Main Limiting Factor(s) Wetness

Remarks

H2 gradually becomes more gleyed and greyer but the boundary between H1 and H2 is clear