

SITE NAME		PROFILE NO		SLOPE AND ASPECT		LAND USE		Av Rainfall		PARENT MATERIAL			
White Rock Goodrington		Pit 1 (ASP 76)		2° South		Cereals		1095 mm	1523°C	Devonian Upper Slates and Mudstones			
JOB NO		DATE		GRID REFERENCE		DESCRIBED BY		FC Days		TOPSOIL SAMPLE REFERENCE			
10/94		4/3/94		SX 883 575		H Lloyd Jones/P Barnett		218	1	RPT/PB/111			
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Method	Mottling Abundance Contrast, Size and Colour	Structure Development Size and Shape	Pores and Fissures	Structural Condition	Consistence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form
1	26	05YR54	HZCL	2% HR Total (Visual)	None		Good			Common fine and very fine	Very slightly calcareous (0.5-1%)	None	Abrupt smooth
2	36	2.5YR56 (Ped 2.5YR54)	C	5% HR Total (Visual)	Many distinct medium ochreous mottles (2.5YR58)	MDCSAB	<0.5% within the peds	Moderate	Firm	Few very fine	Slightly calcareous (1.5%)	Many	Gradual smooth
3	65	2.5YR48	C	10% ZR Total (Visual)	None	MDCSAB	None within the peds	Moderate	Firm	None	V slightly calcareous (0.5-1%)	Common	Diffuse smooth
4	120	10Y52	ZR	>70% Total (Fractured bedrock)	None	Determined by stones		Moderate (assumed)		None	Slightly calcareous (1.5%)	None	

Profile Gleyed From 26

Depth to Slowly Permeable Horizon No SPL

Wetness Class III

Wetness Grade 3a

VP336-7

Available Water Wheat 124 mm

Potatoes 112 mm

Moisture Deficit Wheat 88 mm

Potatoes 75 mm

Moisture Balance Wheat 36 mm

Potatoes 37 mm

Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3a

Main Limiting Factor(s) Wetness

Remarks

Algae growing on surface Possibly 3b profile Dug to 100 cm

SITE NAME		PROFILE NO		SLOPE AND ASPECT		LAND USE		Av Rainfall		PARENT MATERIAL			
White Rock Goodrington		Pit 2 (ASP 30)		4° North		Cereals		1095 mm		Devonian Upper Slates and Mudstones			
JOB NO		DATE		GRID REFERENCE		DESCRIBED BY		ATO		TOPSOIL SAMPLE REFERENCE			
10/94		4 3 94		SX 872 574		H Lloyd Jones/P Barnett		1523°C		RPT/HLJ/22			
								FC Days					
								218					
								Climatic Grade					
								1					
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Method	Mottling Abundance Contrast Size and Colour	Structure Development Size and Shape	Pores and Fissures	Structural Condition	Consistence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form
1	28	05YR44	MCL/SZL	18 / <2cm S&D 2 / >2cm Vis 10 / HR	None					CF M	None	None	Ab irregular
2	120	7 5YR54	LMS	37 / <2cm S&D 10 / >2cm 47 / HR	None	W determined by stones	Good	Moderate	V friable	CF VF	None	None	

Profile Gleyed From	Not gleyed	Available Water	Wheat	69 mm	Final ALC Grade	3a
Depth to Slowly Permeable Horizon	No SPL		Potatoes	58 mm	Main Limiting Factor(s)	Droughtiness
Wetness Class	1	Moisture Deficit	Wheat	88 mm		
Wetness Grade	2		Potatoes	75 mm		
		Moisture Balance	Wheat	19 mm	Remarks	
			Potatoes	17 mm	Horizon 2 rotten sandstone of variable distribution within horizon	
		Droughtiness Grade		3a (Calculated to 120 cm)		

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SITE NAME		PROFILE NO		SLOPE AND ASPECT		LAND USE		Av Rainfall		PARENT MATERIAL			
White Rock Goodrington		Pit 3 (ASP 14)		3° SW		Cereals		1095 mm		Devonian Upper Slates and Mudstones			
JOB NO		DATE		GRID REFERENCE		DESCRIBED BY		ATO		TOPSOIL SAMPLE REFERENCE			
10/94		4/3/94		SX 870 578		P Barnett/H Lloyd Jones		1523°C		RPT/PB/113			
								FC Days					
								218					
								Climatic Grade					
								1					
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shape Type and Field Method	Mottling Abundance Contrast Size and Colour	Structure Development Size and Shape	Pores and Fissures	Structural Condition	Consistence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form
1	24	2 5YR46	MCL	14% ZR Total (S & D)	None		Good			Common very fine and fine	None	None	Abrupt smooth
2	34	2 5YR44	MCL	30% ZR Total (S & D)	None	WDCSAB	Good	Moderate	Friable	Few fine and very fine	None	None	Clear smooth
3	120+	10Y44	HCL	1% ZR >2cm 54% ZR <2cm 55% ZR Total (S & D)	None	Determined by stones	Good	Moderate (assumed)		Few fine	None	None	

Profile Gleyed From	Not gleyed	Available Water	Wheat	123 mm	Final ALC Grade	2
Depth to Slowly Permeable Horizon	No SPL		Potatoes	95 mm	Main Limiting Factor(s)	Workability
Wetness Class	I	Moisture Deficit	Wheat	88 mm		
Wetness Grade	2		Potatoes	75 mm		
		Moisture Balance	Wheat	+35 mm		
			Potatoes	+20 mm		
		Droughtiness Grade		1 (Calculated to 120 cm)	Remarks	