

SITE NAME West of Kingskerswell		PROFILE NUMBER Pit 1	SLOPE AND ASPECT 3°		LAND USE Perm Grass		Av Rainfall: 951mm ATO: 1581 deg		PARENT MATERIAL Watcombe Breccia (Lower Permian)				
JOB NO. 74/93		DATE 10/9/93		GRID REFERENCE ASP 6 SX 878 672		DESCRIBED BY GMS		FC Days: 197 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
1	20	2.5YR46	HCL	2% HR >2mm sieved/displ	none	WMSAB	good	-	Friable	many fine + v fine	none	none	Clear smooth
2	38	2.5YR56	HCL	9% HR >2mm sieved/displ	none	WCSAB breaking into MSAB	good	Moderate to good	Friable	Many fine + v fine	none	none	Clear smooth
3	80+	2.5YR44 ped face 2.5YR54 (not pale)	C	16% HR >2mm sieved/displ	none	W tending to MCSAB	good	Moderate	Friable	Common v. fine	none	few	
Profile Gleyed From: not				Available Water		Wheat:	126mm	Final ALC Grade:		3a			
Depth to Slowly Permeable Horizon: none						Potatoes:	105mm	Main Limiting Factor(s):		Workability			
Wetness Class: I				Moisture Deficit		Wheat:	103mm						
Wetness Grade: 3a						Potatoes:	96mm						
				Moisture Balance		Wheat:	23mm						
						Potatoes:	9mm						
				Droughtiness Grade:		2 (to 120cm)		Remarks: Horizon 3 not an SPL too porous and much of the smaller soil aggregations are peds showing water travels freely through much of the soil. Topsoil texture confirmed by PSD analysis.					