

SITE NAME		PROFILE NO.	SLOPE AND ASPECT		LAND USE		Av Rainfall: 1179 mm		PARENT MATERIAL			
Bodmin		Pit 1	4° S		PLO		ATO: 1557 day °C		Staddon Grit			
JOB NO.		DATE	GRID REFERENCE		DESCRIBED BY		FC Days: 231		SOIL SAMPLE REFERENCES			
3.96		16.2.96	SX05506635		PB		Climatic Grade: 2		PB345			
							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	10YR43	2% >2cm 8% <2cm 10% HR, ZR (S&D)	0	0	-	-	-	G	MF, VF	-	Clear smooth
2	42	HCL	10YR44	15%HR,ZR(vis)	FDMO 75YR58	0	MMSAB	Fr	G	G	CF, VF	-	Grad wavy
													*
3	60	HZCL	10YR64	30%HR,ZR(vis)	FFFO,CFFG 10YR58,73	0	WCSAB	Fr	M	G	FVF	-	Grad smooth
4	90+	HZCL	10YR73	30% >2cm 13% <2cm 43% HR, ZR (S&D)	FFFO,CFFG 10YR58,72	0	Too stony	Fr	(M)	(G)	-	-	

Profile Gleyed From: -

Depth to Slowly Permeable Horizon: -

Wetness Class: I

Wetness Grade: 3a

Available Water Wheat: 138 mm

Potatoes: 110 mm

Moisture Deficit Wheat: 85 mm

Potatoes: 73mm

Moisture Balance Wheat: +53 mm

Potatoes: +37 mm

Droughtiness Grade:1 (Calculated to 120 cm)

Final ALC Grade: 3a, Borderline 3b (Wetness)

Main Limiting Factor(s): Wk

Remarks: H4 not convincingly gleyed, but borderline. Common feint ochreous mottles mainly associated with rotten stones.
* A distinct and +/- continuous ironpan evident at one side of pit at boundary H2/H3. Sharp above, diffuse below.