

SITE NAME Bovey Tracey.99		PROFILE NO. Pit 1 (Nr Asp 41)	SLOPE AND ASPECT 0°	LAND USE Grass reseed	Av Rainfall: 1053 mm ATO: 1580 day °C FC Days: 213 Climatic Grade: 1 Exposure Grade: 1	PARENT MATERIAL Alluvium
JOB NO. 13.99		DATE 11.3.99	GRID REFERENCE SX 8152 7799	DESCRIBED BY PB		PSD SAMPLES TAKEN TS 0-25 cm: MCL (S37: Z41: C22%)

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	25	MCL	10YR4/1	5%HR(v)	0	0	-	-	-	-	CF,VF*	-	Clear Smooth
2	41	C	10YR5/1	5%HR (v)	FFFOM 10YR6/6	0	WKCP	FR	M	G	FVF	-	Clear Wavy
3	64	C	2.5Y5/1	5% HR (v)	CDFOM 10YR4/6	0	M	FR	P	G	FVF	-	Clear Smooth
4	83	C	2.5Y6/2	10% HR (v)	MDMO 10YR6/6	0	WKCP	FM	P	P(low)	FVF	-	Grad Smooth
5	100	C/LCS	2.5Y6/2	20% HR (v)	MDMO 10YR6/6	0	M	-	(M)	P	-	-	Grad Smooth

Profile Gleyed From: 41 cm  
Slowly Permeable Horizon From: 64 cm  
Wetness Class: III  
Wetness Grade: 3a

Available Water Wheat: 124 mm  
Potatoes: 103 mm  
Moisture Deficit Wheat: 92 mm  
Potatoes: 82 mm  
Moisture Balance Wheat: +32 mm  
Potatoes: +21 mm  
Droughtiness Grade: 1 (Calculated to 120 cm)

Final ALC Grade: 3a  
Main Limiting Factor(s): We

Remarks: Pit dug to 83 cm, augered to 100 cm.  
H1 roots sparse because pit dug in bare patch  
Horizons and textures variable

SITE NAME Bovey Tracey.99		PROFILE NO. Pit 2 (Nr Asp 71)	SLOPE AND ASPECT 1 ° NE	LAND USE PGR		Av Rainfall: 1053 mm ATO: 1580 day °C		PARENT MATERIAL Undifferentiated Blatchford Sands				
JOB NO. 13.99		DATE 11.3.99	GRID REFERENCE SX 81627768	DESCRIBED BY PB		FC Days: 213 Climatic Grade: 1 Exposure Grade: 1		PSD SAMPLES TAKEN TS 0-25 cm:MCL/SZL (S45:Z37:C18%)				

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	20	MCL/SZL	10YR4/1	15%HR (v)	0	0	-	-	-	-	MF, VF	-	Clear Smooth
2	36	MCL	10YR4/2	10%HR (v)	0	0	MDFSAB	FR	G	G	MVF	-	Grad Smooth
3	51	HCL	10YR4/6,5/6	10%HR (v)	0	0	WKMSAB	FR	G	G	CVF	-	Grad Smooth
4	82	LCS/SCL	10YR6/4,5/6	10%HR (v)	CDMOM 7.5YR5/6	0	GR	VF	(M)	(G)	FVF	-	Grad Wavy
5	104+	SCL/SC	2.5YR7/2	5%HR (v)	CDMOM 10YR6/6	0	M	FR	P	(P)	0	-	-

Profile Gleyed From: 51 cm

Slowly Permeable Horizon From: No SPL\*

Wetness Class: II

Wetness Grade: 3a

Available Water Wheat: 132 mm

Potatoes: 101 mm

Moisture Deficit Wheat: 92 mm

Potatoes: 82 mm

Moisture Balance Wheat: +40 mm

Potatoes: +19 mm

Droughtiness Grade: 1 (Calculated to 120 cm)

Final ALC Grade: 3a

Main Limiting Factor(s): We

Remarks: H5 QSPL

SITE NAME Bovey Tracey.99		PROFILE NO. Pit 3 (Nr Asp 65)	SLOPE AND ASPECT 2° S	LAND USE FCD	Av Rainfall: 1103 mm ATO: 1552 day °C FC Days: 221` Climatic Grade: 1 Exposure Grade: 1	PARENT MATERIAL Blatchford Sands (?)
JOB NO. 13.99		DATE 11.3.99	GRID REFERENCE SX 80517767	DESCRIBED BY GN+PB		PSD SAMPLES TAKEN TS 0-25 cm : MCL (S32:Z49: C19%)

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	29	MCL	10YR4/2	10%HR (v)	0	0	-	-	-	-	CF,VF	-	Grad Smooth
2	56	HCL	75YR6/4,5/4	30%HR (v)	0	0	WKCSAB	FR	M	G	FVF	-	Clear Smooth
3	72	C	10YR6/3	40%HR (v)	CDMO 10YR6/6	0	WKCSAB	FR	M	G	FVF	-	Sharp Smooth
4	90+	C	5Y81,7/2	40%HR(v)	CDFO 10YR6/6	0	Massive	VM	P	P	None		

Profile Gleyed From: 56  
Slowly Permeable Horizon From: 72  
Wetness Class: III  
Wetness Grade: 3a

Available Water Wheat: 105 mm  
Potatoes: 92 mm  
Moisture Deficit Wheat: 92 mm  
Potatoes: 82 mm  
Moisture Balance Wheat: +13 mm  
Potatoes: +10 mm  
Droughtiness Grade: 2 (Calculated to 120 cm)

Final ALC Grade: 3a  
Main Limiting Factor(s): Wetness

Remarks: Borderline WCI: WG 2