

MOOR LANE, BACKWELL, AVON

SOIL PIT DESCRIPTIONS

Pit No 1

- Topsoil: 0-18 cm  
Fine Sandy Loam  
7.5YR54
- Subsoil 1: 18-29 cm  
Fine Sandy Loam  
7.5YR54 (slightly darker than topsoil)
- Subsoil 2: 29-49 cm  
Medium Clay Loam  
Matrix Colour similar to horizons above (7.5YR54)  
but with some colour variation to 7.5YR64  
(not believed to be mottles)  
Less than 2% Manganese  
Structure from 35 cm = Moderately Developed, Medium  
Subangular Blocky  
Very Dry soil with Firm Consistence  
No pale ped faces  
Porosity >0.5%, >0.5 mm
- Subsoil 3: 49-65 cm  
Medium/Heavy Clay Loam (sandy)  
5YR54 with some matrix colour variation to  
5YR53 (pale)  
Less than 2% Manganese  
Moderately Developed, Medium Subangular Blocky  
Greater than 0.5%, greater than 0.5 mm, pores
- Subsoil 4: 65-75 cm  
Clay  
5YR53 (pale)  
>2% Manganese  
Structure tending to Coarse Angular Blocky;  
Moderately Developed (sand prevents edges becoming  
very angular)  
>0.5%, >0.5 mm, pores
- Subsoil 5: 75-90+ cm  
Clay/Sandy Clay  
5YR43  
>2% Manganese  
No evident mottling  
Medium Prismatic Structure  
<0.5%, <0.5 cm
- Wetness Limitation: Gleyed from 65 cm  
SPL from 75 cm  
Wetness Class II  
ALC Grade According to Wetness = 2

Pit No 2

Topsoil:

0-20 cm  
Fine Sandy Silt Loam  
10YR63/7.5YR64

Subsoil 1:

20-50+ cm  
Clay  
5YR43  
>2% Manganese  
No clear mottling  
Structure below 35 cm = Very Coarse Prismatic;  
Poorly Developed  
Pale Ped Faces (5YR53)  
<0.5%, <0.5 mm pores

Wetness Limitation:

Red Soil  
Gleyed <40 cm  
SPL from 35 cm  
Wetness Class IV  
ALC Grade according to Wetness = 3B