

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