

**Project Name:** SOIL STRUCTURE & MANAGEMENT  
**Project Code:** SSM **Site ID:** SSM214 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

#### Site Information

<b>Desc. By:</b> B. Murphy	<b>Locality:</b>
<b>Date Desc.:</b> 12/03/92	<b>Elevation:</b> 220 metres
<b>Map Ref.:</b> Sheet No. : 8327 1:100000	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6086600 AMG zone: 55	<b>Runoff:</b> Slow
<b>Easting/Lat.:</b> 506700 Datum: AGD66	<b>Drainage:</b> Moderately well drained

#### Geology

<b>ExposureType:</b> Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b> Probable
<b>Geol. Ref.:</b> No Data	<b>Substrate Material:</b> Unconsolidated material (unidentified)

#### Land Form

<b>Rel/Slope Class:</b> No Data	<b>Pattern Type:</b> Low hills
<b>Morph. Type:</b> Lower-slope	<b>Relief:</b> No Data
<b>Elem. Type:</b> Footslope	<b>Slope Category:</b> No Data
<b>Slope:</b> 1 %	<b>Aspect:</b> 180 degrees

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b> N/A	<b>Mapping Unit:</b> N/A
<b>ASC Confidence:</b> Confidence level not specified	<b>Principal Profile Form:</b> Dy2.43
	<b>Great Soil Group:</b> Yellow earth

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

A11	0 - 0.02 m	Brown (7.5YR5/3-Moist); Pinkish grey (7.5YR6/3-Dry); ; Fine sandy loam; Massive grade of structure; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Few (<1 per 100mm2) Medium (2-5mm) macropores, Dry; Weak consistence; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Clear change to -
A21	0.02 - 0.13 m	Brown (7.5YR4/4-Moist); Pinkish grey (7.5YR7/3-Dry); ; Loam; Massive grade of structure; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Few (<1 per 100mm2) Medium (2-5mm) macropores, Dry; Weak consistence; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Gradual change to -
A22	0.13 - 0.3 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Loam; Massive grade of structure; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Few (<1 per 100mm2) Medium (2-5mm) macropores, Dry; Weak consistence; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Gradual change to -
B1	0.3 - 0.41 m	Brown (7.5YR5/4-Moist); ; Sandy loam; Weak grade of structure, 20-50 mm, Subangular blocky; 20-50 mm, Columnar; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; Common cutans, 10-50% of ped faces or walls coated; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Gradual change to -
B21	0.41 - 0.55 m	Pink (7.5YR7/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; 20-50 mm, Columnar; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; Common cutans, 10-50% of ped faces or walls coated; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Clear change to -
B22	0.55 - 0.75 m	Light yellowish brown (10YR6/4-Moist); Substrate influence, 20-50% , Prominent; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; 20-50 mm, Columnar; Dry; Firm consistence; Common cutans, 10-50% of ped faces or walls coated; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 8 (Raupach); Few, fine (1-2mm) roots; Gradual change to -

**Project Name:** SOIL STRUCTURE & MANAGEMENT  
**Project Code:** SSM                      **Site ID:** SSM214                      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

B23      0 - 0.9 m      Light yellowish brown (10YR6/4-Moist); Substrate influence, 2-10% , Distinct; Medium clay;  
Moderate grade of structure, 20-50 mm, Subangular blocky; 20-50 mm; Dry; Weak consistence;  
Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH  
8 (Raupach);

**Morphological Notes**

**Observation Notes**

Upper 30cm of core breaks into dense      plates 6cm thick. Layers may have      sporadic bleach.

**Site Notes**

YATE'S TRANSECT B

**Observation ID: 1**

[illegible]

Project Name: SOIL STRUCTURE & MANAGEMENT  
Project Code: SSM Site ID: SSM214  
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Laboratory Analyses Completed for this profile