

**Project Name:** SOIL STRUCTURE & MANAGEMENT  
**Project Code:** SSM **Site ID:** SSM213 **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>	Gn2.32
		<b>Great Soil Group:</b>	Yellow earth

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

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.05 m	Brown (7.5YR4/3-Moist); Light brown (7.5YR6/4-Dry); ; Fine sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Few (<1 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Weak consistence; Field pH 5 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm) roots;
A2	0.05 - 0.15 m	Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Fine sandy loam; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Few (<1 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Firm consistence; Field pH 4.5 (Raupach); Common, very fine (0-1mm) roots; Few, fine (1-2mm)
B21	0.15 - 0.3 m	Strong brown (7.5YR5/6-Moist); Light brown (7.5YR6/4-Dry); ; Medium sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Few (<1 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Very firm consistence; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots;
B22	0.3 - 0.65 m	Yellowish red (5YR5/8-Moist); Substrate influence, 10R46, 2-10% , Distinct; Clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Manganiferous, Coarse (6 - 20 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Few, very fine (0-
B23	0.65 - 0.9 m	Brownish yellow (10YR6/6-Moist); Substrate influence, 2.5YR46, 10-20% , Distinct; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7.5 (Raupach);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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Laboratory Analyses Completed for this profile