

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM217 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

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

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	No Data
Slope:	1 %	Aspect:	180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn2.13
		Great Soil Group:	Red earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Fine sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots;
B21	0.1 - 0.27 m	Yellowish red (5YR4/6-Moist); ; Medium sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots;
B22	0.27 - 0.55 m	Yellowish red (5YR5/8-Moist); ; Clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Field pH 7 (Raupach); Common, very fine (0-1mm) roots;
B23	0.55 - 0.95 m	Reddish yellow (7.5YR6/6-Moist); Substrate influence, 2.5YR36, 2-10% , Distinct; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Dry; Very weak consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules, strong, segregations; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

B23 Breaks 2-5mm polyhedral.

Observation Notes

Site Notes

YATE'S TRANSECT E

Observation ID: 1

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m			g/g - m ³ /m ³						mm/h	mm/h

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM Site ID: SSM217
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Laboratory Analyses Completed for this profile