

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM215 **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.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: No Data	Pattern Type: Low hills
Morph. Type: Lower-slope	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 - 0.02 m	Brown (7.5YR4/3-Moist); ; Fine sandy loam; Weak grade of structure, <2 mm, Subangular blocky; Fine, (0 - 5) mm crack; Coarse, (10 - 20) mm crack; Dry; Very weak consistence; Non-plastic; Normal plasticity; Common, very fine (0-1mm) roots; Gradual, Smooth change to -
A12	0.02 - 0.07 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam; Weak grade of structure, <2 mm, Subangular blocky; Fine, (0 - 5) mm crack; Coarse, (10 - 20) mm crack; Dry; Weak consistence; Non-plastic; Normal plasticity; Field pH 5 (Raupach); Common, very fine (0-1mm) roots; Clear, Smooth
B11	0.07 - 0.17 m	Reddish brown (5YR4/4-Moist); Reddish yellow (7.5YR6/6-Dry); ; Fine sandy loam; Massive grade of structure, <2 mm, Platy; Fine, (0 - 5) mm crack; Coarse, (10 - 20) mm crack; Dry; Firm consistence; Non-plastic; Normal plasticity; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B12	0.17 - 0.32 m	Yellowish red (5YR4/6-Moist); ; Fine sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Fine, (0 - 5) mm crack; Coarse, (10 - 20) mm crack; Dry; Firm consistence; Slightly plastic; Normal plasticity; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B21	0.32 - 0.5 m	Yellowish red (5YR4/8-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Fine, (0 - 5) mm crack; Coarse, (10 - 20) mm crack; Dry; Firm consistence; Moderately plastic; Normal plasticity; Few cutans, <10% of ped faces or walls coated, faint; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B22	0.5 - 0.7 m	Strong brown (7.5YR5/6-Moist); Substrate influence, 2.5YR58, 2-10% , Distinct; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; 100-200 mm, Columnar; Fine, (0 - 5) mm crack; Coarse, (10 - 20) mm crack; Dry; Firm consistence; Moderately plastic; Normal plasticity; Many cutans, >50% of ped faces or walls coated, faint; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules, strong, segregations; Soil matrix is Slightly calcareous; Field pH 8 (Raupach); Few, very fine (0-1mm) roots; Gradual change to -
B23	0.7 - 0.9 m	Brownish yellow (10YR6/8-Moist); Substrate influence, 2.5YR58, 2-10% , Distinct; Medium clay; Strong grade of structure, 20-50 mm, Polyhedral; 100-200 mm, Columnar; Dry; Firm consistence; Moderately plastic; Normal plasticity; Many cutans, >50% of ped faces or walls coated, faint; Soil matrix is Slightly calcareous; Field pH 8 (Raupach);

Morphological Notes

Observation Notes

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM215
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

YATE'S TRANSECT C

Site Notes

Project Name: SOIL STRUCTURE & MANAGEMENT

Project Code: SSM

Agency Name: CSIRO Division of Soils (ACT)

Site ID: SSM215

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable		CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na	Acidity					%
						Cmol	(+)/kg					
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
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 -	m3/m3				mm/h		mm/h

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM Site ID: SSM215
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Laboratory Analyses Completed for this profile