

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM211 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	B. Murphy	Locality:	
Date Desc.:	08/04/92	Elevation:	260 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6128700 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	541800 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	2 %	Aspect:	0 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:	Gn2.12
		Great Soil Group:	Red earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); Yellowish red (5YR5/6-Dry); ; Clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Dry; Very weak consistence; Field pH 5.5 (Raupach);
B21	0.1 - 0.2 m	Yellowish red (5YR4/8-Moist); Yellowish red (5YR4/8-Dry); ; Clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Dry; Very weak consistence; Field pH 6 (Raupach);
B22	0.2 - 0.4 m	Yellowish red (5YR5/8-Moist); Yellowish red (5YR5/8-Dry); ; Light clay; Weak grade of structure, 20-50 mm, Columnar; 50-100 mm, Prismatic; Dry; Very weak consistence; Field pH 6
B23	0.4 - 0.5 m	Yellowish red (5YR4/8-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Columnar; 50-100 mm, Prismatic; Dry; Very weak consistence; Field pH 6.5 (Raupach);
B23	0.5 - 0.6 m	Yellowish red (5YR4/8-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Columnar; 50-100 mm, Lenticular; Dry; Very weak consistence; Field pH 7 (Raupach);
B31	0.6 - 0.7 m	Strong brown (7.5YR5/8-Moist); Substrate influence, 2.5YR58, 2-10% , Distinct; Light clay; Weak grade of structure, 20-50 mm, Columnar; 50-100 mm, Lenticular; Dry; Very weak consistence; Field pH 7 (Raupach);
B32	0.7 - 0.9 m	Reddish yellow (7.5YR6/8-Moist); Substrate influence, 2.5YR58, 2-10% , Distinct; Light medium clay; Weak grade of structure, 20-50 mm, Columnar; 50-100 mm, Lenticular; Dry; Very weak consistence; Field pH 7 (Raupach);

Morphological Notes

Observation Notes

Site Notes

BAKER'S TRANSECT E

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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 C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size		Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
										%	

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

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Laboratory Analyses Completed for this profile