Project Name: **SOIL STRUCTURE & MANAGEMENT**
Project Code: **SSM** **Site ID:** **SSM212** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

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

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 2 %
Pattern Type: Low hills
Relief: No Data
Slope Category: No Data
Aspect: 0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Gn2.21
Great Soil Group: Red earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Yellowish red (5YR4/6-Moist); Yellowish red (5YR5/6-Dry); ; Clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 5 (Raupach);
B21	0.1 - 0.2 m	Yellowish red (5YR5/8-Moist); Yellowish red (5YR5/8-Dry); ; Silty clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Prismatic; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 5.5 (Raupach);
B22	0.2 - 0.4 m	Reddish yellow (5YR6/8-Moist); Yellowish red (5YR5/8-Dry); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Prismatic; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6 (Raupach);
B22	0.4 - 0.5 m	Reddish yellow (5YR6/8-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Prismatic; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 0-2%, medium gravelly, 6-20mm, rounded platy, coarse fragments; Field pH 6 (Raupach);
B23	0.5 - 0.6 m	Reddish yellow (7.5YR6/8-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Prismatic; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; 0-2%, medium gravelly, 6-20mm, rounded platy, coarse fragments; Field pH 6 (Raupach);
B31	0.6 - 0.7 m	Reddish yellow (7.5YR6/8-Moist); Substrate influence, 2.5YR58, 0-2% , Distinct; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Lenticular; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6 (Raupach);
B32	0.7 - 0.9 m	Strong brown (7.5YR5/8-Moist); Substrate influence, 2.5YR58, 0-2% , Distinct; Light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Lenticular; Dry; Very weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Soil matrix is Slightly calcareous; Field pH 6 (Raupach);

Morphological Notes

Observation Notes

Site Notes

BAKER'S TRANSECT F

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle Size Analysis				
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	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

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Laboratory Analyses Completed for this profile