Project Name: **SOIL STRUCTURE & MANAGEMENT**
Project Code: **SSM** **Site ID:** **SSM225** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By: B. Murphy
Date Desc.: 25/03/92
Map Ref.: Sheet No. : 8430 1:50000
Northing/Long.: 6249700 AMG zone: 55
Easting/Lat.: 581800 Datum: AGD66
Locality:
Elevation: 270 metres
Rainfall: No Data
Runoff: Slow
Drainage: Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: Lower-slope
Elem. Type: Footslope
Slope: 2 %
Pattern Type: Rises
Relief: No Data
Slope Category: No Data
Aspect: 180 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: Dr2.12
Great Soil Group: Red-brown earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments: ; No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Loam; Weak grade of structure; Earthy fabric; Dry; Weak consistence; Non-plastic; Normal plasticity; Non-sticky; Field pH 6 (Raupach);
A21	0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Loam; Weak grade of structure; Earthy fabric; Dry; Weak consistence; Non-plastic; Normal plasticity; Non-sticky; Field pH 6 (Raupach);
A22	0.2 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Fine sandy clay loam; Weak grade of structure; Earthy fabric; Dry; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Veins, weak, segregations;Field pH 6 (Raupach);
B21	0.3 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Moderately sticky; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Veins, weak, segregations;Field pH 6 (Raupach);
B21	0.4 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Light medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Moderately sticky; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Veins, weak, segregations;Field pH 7 (Raupach);
B22	0.5 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Light medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Moderately plastic; Moderately sticky; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Veins, weak, segregations;Field pH 7.5 (Raupach);
B22	0.6 - 0.7 m	Strong brown (7.5YR5/6-Moist); ; Light medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Very few (0 - 2 %), Manganiferous, , Soft segregations, weak, segregations;Very few (0 - 2 %), Calcareous, , Soft segregations, weak, segregations;Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach);
B23	0.7 - 0.8 m	Reddish yellow (7.5YR6/6-Moist); ; Light medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Very few (0 - 2 %), Manganiferous, , Soft segregations, weak, segregations;Very few (0 - 2 %), Calcareous, , Soft segregations, weak, segregations;Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach);
B23	0.8 - 0.9 m	Reddish yellow (7.5YR6/6-Moist); ; Light medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Very few (0 - 2 %), Manganiferous, , Soft segregations, weak, segregations;Very few (0 - 2 %), Calcareous, , Soft segregations, weak, segregations;Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach);

Morphological Notes

A11 Sand fraction is fine.

Project Name: **SOIL STRUCTURE & MANAGEMENT**
Project Code: **SSM** **Site ID:** **SSM225** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

A21	Sand fraction is fine.

Observation Notes

Site Notes

PHILLIP'S GILGAI

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM225 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

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 C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								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

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM225 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Laboratory Analyses Completed for this profile