

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM206 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	B. Murphy	Locality:	
Date Desc.:	12/03/92	Elevation:	215 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6085400 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	505900 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:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	1 %	Aspect:	270 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:	Dy2.41
		Great Soil Group:	Yellow podzolic soil

Site Disturbance: Cultivation. Rainfed, Extensive clearing, for example poisoning, ringbarking,

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.14 m	Brown (7.5YR5/4-Moist); ; Loam; Weak grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Prismatic; Earthy fabric; Dry; Very weak consistence; Non-plastic; Normal plasticity; Non-sticky; Field pH 5.5 (Raupach); Many, very fine (0-1mm) roots;
A21	0.14 - 0.27 m	Yellowish red (5YR5/6-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Non-plastic; Normal plasticity; Non-sticky; Field pH 6 (Raupach); Few, very fine (0-1mm)
A22	0.27 - 0.36 m	Pink (7.5YR7/4-Moist); Substrate influence, 0-2% , Faint; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Non-plastic; Normal plasticity; Non-sticky; Field pH 7 (Raupach); Few, very fine (0-1mm) roots;
B21	0.36 - 0.5 m	Reddish yellow (7.5YR6/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; 50-100 mm, Angular blocky; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Moderately sticky; Many cutans, >50% of ped faces or walls coated, faint; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots;
B22	0.5 - 0.7 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; 50-100 mm, Angular blocky; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Moderately sticky; Many cutans, >50% of ped faces or walls coated, faint; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;
B23	0.7 - 1 m	Strong brown (7.5YR5/6-Moist); Substrate influence, 2-10% , Faint; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; 50-100 mm, Angular blocky; Smooth-ped fabric; Dry; Moderately plastic; Normal plasticity; Moderately sticky; Many cutans, >50% of ped faces or walls coated, faint; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

A1 Sand fraction is fine.

Observation Notes

Site Notes

FRASER TRANSECT F

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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	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

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Laboratory Analyses Completed for this profile