

Project Name: SOIL STRUCTURE & MANAGEMENT
Project Code: SSM **Site ID:** SSM205 **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): Surface crust, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy2.23
		Great Soil Group:	Red-brown earth

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.16 m	Brown (7.5YR5/4-Moist); ; Loam; Weak grade of structure, 10-20 mm, Subangular blocky; , Lenticular; Dry; Strong consistence; Non-plastic; Normal plasticity; Non-sticky; Field pH 5 (Raupach); Common, very fine (0-1mm) roots;
A2	0.16 - 0.27 m	Yellowish red (5YR5/6-Moist); ; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; 50-100 mm, Lenticular; Dry; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; Few cutans, <10% of ped faces or walls coated; Field pH 6 (Raupach); Common, very fine (0-1mm) roots;
B21	0.27 - 0.45 m	Yellowish red (5YR5/8-Moist); Substrate influence, 2-10% , Faint; Light medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 50-100 mm, Angular blocky; Dry; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; Common cutans, 10-50% of ped faces or walls coated; Field pH 7 (Raupach); Common, very fine (0-1mm) roots;
B22	0.45 - 0.6 m	Yellowish red (5YR5/6-Moist); Substrate influence, 2-10% , Faint; Light medium clay; Strong grade of structure, 20-50 mm, Prismatic; 50-100 mm, Angular blocky; Dry; Firm consistence; Slightly plastic; Normal plasticity; Slightly sticky; Many cutans, >50% of ped faces or walls coated; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Veins, weak, segregations;Field pH 7 (Raupach); Few, very fine (0-1mm) roots;
B23	0.6 - 0.83 m	Strong brown (7.5YR5/6-Moist); Substrate influence, 2-10% , Faint; Mechanical, 2-10% , Faint; Light medium clay; Strong grade of structure, 20-50 mm, Prismatic; 50-100 mm, Angular blocky; Dry; Weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; Many cutans, >50% of ped faces or walls coated; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules, weak, segregations;Field pH 7.5 (Raupach); Few, very fine (0-1mm) roots;
B31	0.83 - 1 m	Strong brown (7.5YR5/6-Moist); ; Light medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; 50-100 mm, Columnar; Dry; Weak consistence; Slightly plastic; Normal plasticity; Slightly sticky; Many cutans, >50% of ped faces or walls coated; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Nodules, weak, segregations;Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

A11 Sand fraction is fine.

Observation Notes

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FRASER TRANSECT E

Site Notes

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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 - m ³ /m ³							mm/h	mm/h

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Laboratory Analyses Completed for this profile