

Project Name: Australia Map Project
Project Code: AMP **Site ID:** A835 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	W.M. MacArthur	Locality:	
Date Desc.:	06/07/62	Elevation:	671 metres
Map Ref.:	Sheet No. : SH56-5 1:250000	Rainfall:	0
Northing/Long.:	150.936111111111	Runoff:	Moderately rapid
Easting/Lat.:	-29.727777777778	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	30 metres
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Acidic Eutrophic Red Kandosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Red earth
All necessary analytical data are available.		

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Mid Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.07 m	Dark reddish brown (5YR3/3-Moist); ; Loam; Single grain grade of structure; Very weak consistence;
0.07 - 0.3 m	Dark reddish brown (2.5YR2/4-Moist); Dark reddish brown (5YR3/4-Dry); ; Loam; Single grain grade of structure; Weak consistence; 2-10%, coarse fragments;
0.3 - 0.6 m	Dark reddish brown (2.5YR3/4-Moist); Yellowish red (5YR4/6-Dry); ; Clay loam (Light); Single grain grade of structure; Weak consistence; 10-20%, coarse fragments;
0.6 - 0.91 m	Dark red (10R3/6-Moist); ; Clay loam; Weak grade of structure, Granular; 10-20%, coarse fragments;
0.91 - 1.21 m	Dark red (10R3/6-Moist); ; Clay loam; Weak grade of structure, Subangular blocky; Weak consistence; 10-20%, coarse fragments;
1.21 - 1.82 m	Dark red (10R3/6-Moist); ; Light clay; Weak grade of structure, Subangular blocky; Weak consistence; 2-10%, coarse fragments;
1.82 - 2.43 m	Dark red (10R3/6-Moist); ; Light clay; 2-10%, coarse fragments;

Morphological Notes

Observation Notes

MOST LAYERS GENERALLY EARTHY BELOW LAYER 4 - PORES VISIBLE

Site Notes

MAC INTYRE

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol	(+)/kg			%
0 - 0.07	6.8H	0.034C								
0.07 - 0.3	5.7H	0.012C								
0.3 - 0.6	5.6H	0.015C	0.8K	2.6	0.22	0.23				
0.6 - 0.91	5.8H	0.018C								
0.91 - 1.21	5.3H	0.025C	0.9K	2.2	0.04	0.26				
1.21 - 1.82	4.8H	0.02C								
1.82 - 2.43	5H	0.021C	0.5K	2.1	0.03	0.13				

Depth m	CaCO3	Organic	Avail.	Total	Total	Total	Bulk Density Mg/m3	Particle		Size	Analysis	
	%	C %	P mg/kg	P %	N %	K %		GV	CS	FS %	Silt	Clay
0 - 0.07					0.32B			4	17C	54	17	9
0.07 - 0.3					0.12B			6	16C	51	21	12
0.3 - 0.6					0.079B			45	14C	44	19	22
0.6 - 0.91					0.034B			10	12C	32		
0.91 - 1.21								1	11C	20	18	54
1.21 - 1.82					0.017B			2	13C	22	17	50
1.82 - 2.43								3	12C	24	19	46

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded