

Project Name: 1968 ISSS Congress Tour
Project Code: IS4 **Site ID:** A999 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	R.W. Jessup	Locality:	
Date Desc.:	01/11/66	Elevation:	21 metres
Map Ref.:	Sheet No. : SI54-9 1:250000	Rainfall:	0
Northing/Long.:	138.140277777778	Runoff:	Moderately rapid
Easting/Lat.:	-34.116666666667	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:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Mound	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Gypsic Regolithic Hypercalic Calcarosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Red-brown earth
All necessary analytical data are available.		

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Mid Strata - Shrub, , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	Brown (10YR5/3-Dry); ; Silty loam; Strong grade of structure, 5-10 mm, Granular; Medium, (5 - 10) mm crack; Very firm consistence; Sharp change to -
B	0.05 - 0.08 m	Dark reddish brown (5YR3/4-Dry); ; Light clay; Weak grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , ; Sharp change to -
	0.08 - 0.17 m	Reddish brown (5YR4/4-Dry); ; Light clay; Weak grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , ; Diffuse change to -
	0.17 - 0.3 m	Reddish brown (5YR4/4-Dry); ; Light clay; Moderate grade of structure, 5-10 mm, Granular; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Few (2 - 10 %), Gypseous, , ; Diffuse change to -
	0.3 - 0.43 m	Reddish brown (5YR4/4-Dry); ; Light clay; Massive grade of structure; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Few (2 - 10 %), Gypseous, , ; Diffuse change to -
	0.43 - 0.83 m	Yellowish red (5YR4/6-Moist); ; Light clay; Massive grade of structure; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Many (20 - 50 %), Gypseous, , ; Diffuse change to -
	0.83 - 1.33 m	Yellowish red (5YR4/6-Moist); ; Light clay; Massive grade of structure; Very weak consistence; , Calcareous, , Soft segregations; Many (20 - 50 %), Gypseous, , Crystals;
	1.33 - 1.43 m	Yellowish red (5YR4/6-Moist); ; Light clay; Massive grade of structure; Very weak consistence; Very few (0 - 2 %), Gypseous, , Crystals;
	1.43 - 1.73 m	;
	- m	;
	- m	;
	- m	;

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- m ;
- m ;
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Morphological Notes

Observation Notes

Site Notes

PT. WAKEFIELD

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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 - 0.05	7.5H 7.1J 8.4H	0.19C	23K	8.5	5.1	3.1				
0.05 - 0.08	7.1H 6.7J 7.9H	0.6C	17K	6.7	5.5	8.4				
0.08 - 0.17	7.8H 7.5J 8.7H	0.66C	29K	9.9	4.6	8.1				
0.17 - 0.3	8H 7.8J 8.5H	2.4C								
0.3 - 0.43	8H 7.9J 8.5H	3.3C								
0.43 - 0.53	8H 8J 8.3H	22C								
0.53 - 0.63	8H 8J 8.3H	21C								
0.63 - 0.73	8.1H 8.1J 8.3H	19C								
0.73 - 0.83	8H 8.1J 8.3H	17C								
0.83 - 0.93	8.1H 8.1J 8.3H	27C								
0.93 - 1.03	8.2H 8.1J 8.4H	23C								
1.03 - 1.13	8.2H 8.1J 8.3H	16C								
1.13 - 1.23	8H 8.1J 8.4H	16C								
1.23 - 1.33	8H 8.1J 8.4H	17C								
1.33 - 1.43	8.4H	16C								
1.43 - 1.73										
-										
-										
-										
-										
-										
-										

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis
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[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
19B_NR	Calcium Carbonate (CaCO ₃) - 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
4B_C_2.5	pH of soil - pH of 1:2.5 Soil/0.1M CaCl ₂ suspension
5_NR	Water soluble Chloride - Cl(%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded