

**Project Name:** 1968 ISSS Congress Tour  
**Project Code:** IS4 **Site ID:** A1051 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	R.W. Jessup	<b>Locality:</b>	
<b>Date Desc.:</b>	13/12/67	<b>Elevation:</b>	43 metres
<b>Map Ref.:</b>	Sheet No. : SI53-12 1:250000	<b>Rainfall:</b>	355
<b>Northing/Long.:</b>	137.622222222222	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-34.116666666667	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	0 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Class Undetermined Regolithic Lithocalcic Calcarosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Analytical data are incomplete but reasonable confidence.			

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

Tall Strata - Tree mallee, , . \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.1 m	Greyish brown (10YR5/2-Dry); ; Loam; Weak grade of structure, 10-20 mm, Granular; Massive grade of structure, Prismatic; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Diffuse change to -
0.1 - 0.2 m	Greyish brown (10YR5/2-Dry); ; Loose consistence; Very many (50 - 100 %), Calcareous, , Concretions;
0.2 - 0.3 m	Greyish brown (10YR5/2-Dry); ; Loose consistence; Very many (50 - 100 %), Calcareous, , Concretions;
0.3 - 0.6 m	Greyish brown (10YR5/2-Dry); ; Loose consistence; Very many (50 - 100 %), Calcareous, , Concretions; Diffuse change to -
0.6 - 0.9 m	; Loose consistence; Very many (50 - 100 %), Calcareous, , Concretions;
0.9 - 1 m	; Loam; Loose consistence; Very many (50 - 100 %), Calcareous, , Concretions; Diffuse change to -
1 - 1.2 m	Reddish yellow (7.5YR7/6-Dry); ; Loam; Massive grade of structure; Very firm consistence; Very many (50 - 100 %), Calcareous, , Soft segregations;
1.2 - 1.5 m	; Loam; Massive grade of structure; Very firm consistence; Very many (50 - 100 %), Calcareous, , Soft segregations;
1.5 - 1.8 m	; Medium clay; Massive grade of structure; Very firm consistence; Very many (50 - 100 %), Calcareous, , Soft segregations; Diffuse change to -
1.8 - 2.1 m	; Medium clay; 20-50 mm, Subangular blocky; Moderate grade of structure, 20-50 mm; Strong consistence; Diffuse change to -
2.1 - 2.4 m	;

**Morphological Notes**

**Observation Notes**

**Site Notes**

TIPARRA

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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 - 0.1	7.4J 8.6H	0.049C	37K	4.6	1.8	0.11				
0.1 - 0.2										
0.2 - 0.3	7.5J 8.8H	0.051C								
0.1 - 0.6										
0.6 - 1	7.7J 9.5H	0.086C								
0.9 - 1										
1 - 1.2										
1 - 1.8	8.1J 9.8H	0.33C								
1.5 - 1.8										
1.8 - 2.1	7.9J 9.4H	1.1C								
2.38 - 2.6	7.1J 8.3H	1C								

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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 <sub>3</sub> ) - 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 <sub>2</sub> suspension
5_NR	Water soluble Chloride - Cl(%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - 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