Project Name: 1968 ISSS Congress Tour

Project Code: IS4 Site ID: A1052 Observation ID: 1

Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: R.W. Jessup Locality:

Date Desc.: Elevation: 14/12/67 30 metres Sheet No.: SI53-12 Map Ref.: 1:250000 Rainfall: 355 Northing/Long.: 137.61944444445 Runoff: Rapid Drainage: Easting/Lat.: -34.1236111111111 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:
 0 metres

 Elem. Type:
 Swale
 Slope Category:
 No Data

 Slope:
 0 %
 Aspect:
 No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AHaplic Petroclcic Red KandosolPrincipal Profile Form:N/AASC Confidence:Great Soil Group:Red earth

All necessary analytical data are available. **Site Disturbance:** Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m Yellowish red (5YR5/6-Dry); ; Sandy loam; Massive grade of structure; Weak consistence;

Diffuse change to -

0.05 - 0.1 m Yellowish red (5YR4/6-Dry); ; Loam; Massive grade of structure; Very firm consistence;

0.1 - 0.16 m Yellowish red (5YR4/6-Dry); ; Loam; Massive grade of structure; Very firm consistence;

Diffuse change to -

0.16 - 0.2 m Red (2.5YR4/6-Dry); Clay loam; Massive grade of structure; Very firm consistence;

0.2 - 0.3 m Red (2.5YR4/6-Dry); ; Clay loam; Massive grade of structure; Very firm consistence; Abrupt

change to -

0.3 - 0.4 m ; Calcrete, Strongly cemented, Continuous, Nodular;

Morphological Notes

Observation Notes

AT 30CM ABRUPT ON LAYER OF VERY HARD PINK KUNKAR OR KUNKAR NODULES THEN KUNKAR SHEET:

Site Notes

TIPARRA

Project Name: Project Code: Agency Name: 1968 ISSS Congress Tour

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Laboratory Test Results:

| Depth | рН | 1:5 EC | | angeable | | | changeable | CEC | E | CEC | ES | P |
|-------------|--------------|---------|----------|-----------|------------|------------------|---------------|-----|------|-----|----------|-----|
| m | | dS/m | Ca N | Иg | K | Na Cmol (+)/k | Acidity (g | | | | % | |
| 0 - 0.05 | 7.1J 8.4H | 0.04C | 14K | 1.7 | 1.4 | 0.11 | | | | | | |
| 0.05 - 0.1 | 7.1J 8.3H | 0.021C | 13K | 1.7 | 0.87 | 0.15 | | | | | | |
| 0.05 - 0.16 | | | | | | | | | | | | |
| 0.16 - 0.2 | 7J 8.4H | 0.025C | 18K | 3.1 | 0.7 | 0.3 | | | | | | |
| 0.16 - 0.3 | | | | | | | | | | | | |
| 0.3 - 0.4 | | | | | | | | | | | | |
| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | | | | Analysis | |
| | • | C | Р" | P | N | K | Density | G۷ | CS | FS | Silt C | lay |
| m | % | % | mg/kg | % | % | % | Mg/m3 | | | % | | |
| 0 - 0.05 | 0.07C | ; | 6C | | 0.1 | 4B | | 0 | 30C | 41 | 10 | 15 |
| 0.05 - 0.1 | 0.020 | | 5C | | 0.06 | | | 0 | 29C | 39 | 11 | 17 |
| 0.05 - 0.16 | **** | | | | | | | Ö | 22C | 34 | 7 | 33 |
| 0.16 - 0.2 | 0.020 | ; | 3C | | 0.06 | 58B | | | | | | |
| 0.16 - 0.3 | | | | | | | | | | | | |
| 0.3 - 0.4 | | | | | | | | | | | | |
| Depth | COLE | | Gravi | metric/Vo | lumetric V | Vater Conte | nts | | K sa | t | K unsat | |
| • | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar 15 I | Bar | | | | |
| m | | | | g/ | g - m3/m | 3 | | | mm/l | 1 | mm/h | |
| 0 0.05 | | | | | | | | | | | | |

0 - 0.05 0.05 - 0.1 0.05 - 0.16 0.16 - 0.2 0.16 - 0.3 0.3 - 0.4

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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 (CaCO3) - 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 CaCl2 suspension 5_NR Water soluble Chloride - Cl(%) - Not recordede

7_NR Total nitrogen (%) - Not recorded 9_NR Available P (mg/kg) - Not recorded

P10_GRAV Gravel (%)

P10_NR_C
P10_NR_CS
Clay (%) - Not recorded
Coarse sand (%) - Not recorded
P10_NR_FS
P10_NR_Z
Fine sand (%) - Not recorded
Silt (%) - Not recorded