

Project Name: N.E. Recon., S.A.
Project Code: NE1 **Site ID:** A474 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

| | | | |
|------------------------|------------------|-------------------|----------------|
| Desc. By: | E.A. Jackson | Locality: | |
| Date Desc.: | 24/11/56 | Elevation: | 122 metres |
| Map Ref.: | | Rainfall: | 127 |
| Northing/Long.: | 140.783333333333 | Runoff: | No runoff |
| Easting/Lat.: | -31.583333333334 | Drainage: | Poorly drained |

Geology

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

Land Form

| | | | |
|-------------------------|-----------------------------------|------------------------|----------------|
| Rel/Slope Class: | Gently undulating plains <9m 1-3% | Pattern Type: | Alluvial plain |
| Morph. Type: | Flat | Relief: | 1 metres |
| Elem. Type: | Plain | Slope Category: | No Data |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|----------------------------------------|--|--------------------------------|-----|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Hypocalcic Subnatric Red Sodosol | | Principal Profile Form: | N/A |
| ASC Confidence: | | Great Soil Group: | N/A |

Analytical data are incomplete but reasonable confidence.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Shrub, , . *Species includes - Acacia aneura

Surface Coarse Fragments:

Profile Morphology

| | |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 - 0.04 m | Red (2.5YR4/8-Moist); ; Sand; Weak grade of structure, Platy; Very firm consistence; Clear change to - |
| 0.04 - 0.3 m | Yellowish red (5YR5/6-Moist); ; Sand; Massive grade of structure; Firm consistence; Few, fine (1-2mm) roots; Sharp change to - |
| 0.3 - 0.33 m | Red (2.5YR4/6-Moist); ; Sandy clay loam; Weak grade of structure, Columnar; Firm consistence; |
| 0.33 - 0.48 m | Red (2.5YR4/8-Moist); ; Sandy medium clay; Massive grade of structure; Firm consistence; Diffuse change to - |
| 0.48 - 0.68 m | Red (2.5YR5/8-Moist); ; Sandy medium clay; Massive grade of structure; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; |
| 0.68 - 0.98 m | ; Sandy medium clay; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; |
| 0.98 - 1.23 m | ; Sandy clay loam; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; |

Morphological Notes

Observation Notes

Site Notes

N.E. PASTORAL

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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 - 0.04 | 7.8H | 0.019C | | | | | | | | |
| 0.04 - 0.3 | 8.4H | 0.008C | | | | | | | | |
| 0.3 - 0.33 | 8.8H | 0.009C | | | | | | | | |
| 0.33 - 0.48 | 9.2H | 0.022C | 10.6K | 5.4 | 0.56 | 1.6 | | | | |
| 0.48 - 0.68 | 10H | 0.06C | | | | | | | | |
| 0.68 - 0.98 | 10.3H | 0.077C | | | | | | | | |
| 0.98 - 1.23 | 10.4H | 0.11C | | | | | | | | |

[illegible][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 |
| 5_NR | Water soluble Chloride - Cl(%) - Not recorded |
| 7_NR | Total nitrogen (%) - Not recorded |
| 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 |