

Project Name: NAR
Project Code: NAR **Site ID:** B723 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|------------|
| Desc. By: | G.D. Hubble | Locality: | |
| Date Desc.: | 10/05/71 | Elevation: | 220 metres |
| Map Ref.: | Sheet No. : 9046 1:100000 | Rainfall: | 716 |
| Northing/Long.: | 150.902777777778 | Runoff: | No Data |
| Easting/Lat.: | -25.704166666667 | Drainage: | No Data |

Geology

| | | | |
|----------------------|--------------|------------------------------------|--|
| ExposureType: | Auger boring | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | PRt | Substrate Material: | Auger boring, 2 m deep, Unconsolidated material (unidentified) |

Land Form

| | | | |
|-------------------------|------------------------------|------------------------|---------|
| Rel/Slope Class: | Undulating rises 9-30m 3-10% | Pattern Type: | No Data |
| Morph. Type: | No Data | Relief: | No Data |
| Elem. Type: | Footslope | Slope Category: | No Data |
| Slope: | 4.4 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|--------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Calcic Mottled-Subnatric Brown Sodosol | | Principal Profile Form: | Dy3.43 |
| ASC Confidence: | | Great Soil Group: | Solodic soil |
| All necessary analytical data are available. | | | |

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Bothriochloa decipiens, Eragrostis parviflora
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|---|
| A1 | 0 - 0.14 m | Very dark brown (10YR2/2-Moist); ; Fine sandy loam (Heavy); Weak grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 5.8 (pH meter); Common, very fine (0-1mm) roots; Clear change to - |
| A2 | 0.14 - 0.25 m | Brown (10YR5/3-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.2 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to - |
| B21 | 0.25 - 0.5 m | Yellowish brown (10YR5/4-Moist); , 10YR42, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 5-10 mm, Angular blocky; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 7 (pH meter); Few, very fine (0-1mm) roots; Gradual change to - |
| B22 | 0.5 - 0.8 m | Yellowish brown (10YR5/5-Moist); , 2.5Y42, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 5-10 mm, Angular blocky; Moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 8.8 (pH meter); Few, very fine (0-1mm) roots; Gradual change to - |
| B23 | 0.8 - 1 m | Yellowish red (5YR4/6-Moist); , 10YR54, 10-20% , 5-15mm, Distinct; , 10YR42, 10-20% , 5-15mm, Distinct; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 9 (pH meter); Few, very fine (0-1mm) roots; Gradual change to - |
| B2k | 1 - 2 m | Yellowish red (5YR4/6-Moist); , 10YR63, 10-20% , 5-15mm, Faint; , 10-20% , 5-15mm, Faint; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Field pH 9 (pH meter); |

Morphological Notes

Observation Notes

SUBSTRATE IS MIXED AUBURN RIVER AND ADAMALLITE ALLUVIUM. CALCAREOUS SEGREGATIONS INCLUDES NODULES.

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Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

| | |
|-----------|--|
| 10A_NR | Total element - S(%) - Not recorded |
| 15_NR_CA | Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded |
| 15_NR_H | Hydrogen Cation - 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 |
| 17A_NR | Total element - K(%) - Not recorded |
| 2A1 | Air-dry moisture content |
| 3_NR | Electrical conductivity or soluble salts - Not recorded |
| 4_NR | pH of soil - Not recorded |
| 5_NR | Water soluble Chloride - Cl(%) - Not recorded |
| 6A1 | Organic carbon - Walkley and Black |
| 7_NR | Total nitrogen (%) - Not recorded |
| 9A_NR | Total element - P(%) - Not recorded |
| 9G_BSES | Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES) |
| 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 |