

Project Name: NAR
Project Code: NAR **Site ID:** B751 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|------------|
| Desc. By: | G.D. Hubble | Locality: | |
| Date Desc.: | 11/05/71 | Elevation: | 240 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, 1.2 m deep,Adamellite |

Land Form

| | | | |
|-------------------------|------------------------------|------------------------|---------|
| Rel/Slope Class: | Undulating rises 9-30m 3-10% | Pattern Type: | No Data |
| Morph. Type: | Mid-slope | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | No Data |
| Slope: | 4.8 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|----------------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Bleached-Mottled Eutrophic Brown Chromosol | | Principal Profile Form: | Dy3.42 |
| ASC Confidence: | | Great Soil Group: | Yellow podzolic 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 - Heteropogon contortus, Sporobolus elongatus
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|-------------|---|
| A1 | 0 - 0.2 m | Very dark greyish brown (10YR3/2-Moist); ; Coarse sandy loam (Light); Massive grade of structure; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.3 (pH meter); Many, very fine (0-1mm) roots; Clear change to - |
| A21 | 0.2 - 0.4 m | Greyish brown (10YR5/2-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Gradual change to - |
| A22 | 0.4 - 0.6 m | Pale brown (10YR6/3-Moist); Very pale brown (10YR7/3-Dry); ; Clayey coarse sand; Massive grade of structure; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.7 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to - |
| B21 | 0.6 - 0.8 m | Strong brown (7.5YR5/7-Moist); , 10YR62, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.4 (pH meter); Few, very fine (0-1mm) roots; Gradual change to - |
| B22 | 0.8 - 1 m | Reddish yellow (7.5YR6/7-Moist); , 10YR62, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium heavy clay; Weak grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7.4 (pH meter); Few, very fine (0-1mm) roots; Gradual change to - |
| B3 | 1 - 1.2 m | Strong brown (7.5YR5/6-Moist); , 2.5Y73, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Light clay; Massive grade of structure; Dry; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7.2 (pH meter); Gradual change to - |
| C | 1.2 - 1.4 m | Strong brown (7.5YR5/7-Moist); , 10YR85, 20-50% , 0-5mm, Distinct; , 10YR62, 20-50% , 0-5mm, Distinct; Sandy clay loam; Massive grade of structure; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.7 (pH meter); |

Morphological Notes

Observation Notes

60-120CM LIGHT INCREASING TO MODERATE, 120-140CM STRONG MINERAL SPECKLING. MICAS VISIBLE. GRAVELS DOMINANTLY FELDSPAR WITH QUARTZ.

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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 |