

**Project Name:** NAR  
**Project Code:** NAR      **Site ID:** B702      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

#### Site Information

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	09/05/71	<b>Elevation:</b>	240 metres
<b>Map Ref.:</b>	Sheet No. : 9046 1:100000	<b>Rainfall:</b>	716
<b>Northing/Long.:</b>	150.902777777778	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-25.704166666667	<b>Drainage:</b>	No Data

#### Geology

<b>ExposureType:</b>	Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	PRt	<b>Substrate Material:</b>	Undisturbed soil core, 0.9 m deep, Adamellite

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	5.6 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Brown Chromosol		<b>Principal Profile Form:</b>	Dy3.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	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  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - None Recorded

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Dry; Firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A2	0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.3 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to -
B2	0.2 - 0.4 m	Strong brown (7.5YR5/6-Moist); , 7.5YR54, 20-50% , 5-15mm, Distinct; , 10YR42, 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.3 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B2	0.4 - 0.5 m	Strong brown (7.5YR5/8-Moist); , 10YR64, 20-50% , 0-5mm, Distinct; , 10YR43, 20-50% , 0-5mm, Distinct; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 6.8 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B2	0.5 - 0.6 m	Brownish yellow (10YR6/5-Moist); , 10YR53, 20-50% , 0-5mm, Distinct; , 7.5YR56, 20-50% , 0-5mm, Distinct; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 7.3 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B3	0.6 - 0.8 m	Yellowish red (5YR5/5-Moist); , 10YR54, 20-50% , 5-15mm, Distinct; , 10YR63, 20-50% , 5-15mm, Distinct; Sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	0.8 - 1 m	Yellowish red (5YR5/5-Moist); , 10YR63, 20-50% , 0-5mm, Distinct; , 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 8 (pH meter);

#### Morphological Notes

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NON-CALIC BROWN SOIL INTERGRADE. GRAVELS DOMINANTLY FELDSPAR BELOW 60CM MODERATE INCREASING TO STRONG MINERAL SPECKLING.

**Site Notes**

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**Observation Notes**

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**Laboratory Test Results:**

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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