

**Project Name:** NAR  
**Project Code:** NAR      **Site ID:** B782      **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>	13/05/71	<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>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	PRt	<b>Substrate Material:</b>	Auger boring, 1 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>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	6.2 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Brown Chromosol		<b>Principal Profile Form:</b>	Dy3.21
<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 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.4 m	Dark yellowish brown (10YR4/4-Moist); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
A2	0.4 - 0.55 m	Brown (7.5YR4/4-Moist); ; Clayey sand; Massive grade of structure; Dry; Very weak consistence; 50-90%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Abrupt change to -
B2	0.55 - 0.7 m	Strong brown (7.5YR5/8-Moist); , 2.5Y46, 10-20% , 5-15mm, Faint; , 10YR86, 10-20% , 5-15mm, Faint; Sandy medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moderately moist; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Gradual change to -
BC	0.7 - 0.93 m	Yellowish brown (10YR5/4-Moist); , 10YR58, 10-20% , 5-15mm, Distinct; , 2.5Y44, 10-20% , 5-15mm, Distinct; Sandy clay loam; Weak grade of structure, 5-10 mm, Polyhedral; Moderately moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter);

#### Morphological Notes

#### Observation Notes

55-93 CM MODERATE INCREASING TO STRONG WEATHERING MINERAL SPECKLING. GRAVEL DOMINANTLY FELDSPAR. BELOW 70 CM WEATHERED ADAMELLITE IN SITU. LAYERS RENIMBERED 6-10-92

#### Site Notes

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			

0 - 0.2	6.4H	0.01B	5K	0.61	0.22	0.02	4.2D
0.2 - 0.4							
0.4 - 0.55							
0.55 - 0.7	6.8H	<0.01B	5.3K	6	0.21	0.37	4.1D
0.7 - 1							

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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
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