

**Project Name:** NAR  
**Project Code:** NAR      **Site ID:** B779      **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>	230 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, Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	3.5 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Regolithic Bleached Tenosol		<b>Principal Profile Form:</b>	Uc2.21
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Podzol
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 grey (10YR3/1-Moist); ; Sandy loam; Massive grade of structure; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Clear change to -
A21	0.2 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.8 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
A22	0.3 - 0.7 m	Greyish brown (10YR5/2-Moist); Light grey (10YR7/2-Dry); ; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7.8 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
A23	0.7 - 0.9 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7.5 (pH meter); Gradual change to -
B2	0.9 - 1.2 m	Brown (7.5YR5/4-Moist); , 10YR58, 2-10% , 5-15mm, Faint; , 10YR76, 2-10% , 5-15mm, Faint; Sandy loam; Massive grade of structure; Moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.6 (pH meter); Gradual change to -
D	1.2 - 2 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 7.4 (pH meter);

**Morphological Notes**

**Observation Notes**

SUBSTRATE COLLUVIUM FROM ADAMELLITE. GRAVELS DOMINANTLY FELDSPAR, COARSE BELOW 120 CM WITH MICA SUGGESTING WEATHERED ROCK IN SITU. LAYERS RENUMBERED 5-10-92

**Site Notes**

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**Laboratory Test Results:**

[illegible]

Depth m	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density Mg/m3	Particle		Size	Analysis	
	%	%	mg/kg	%	%	%		GV	CS	FS %	Silt	Clay
0 - 0.2	<0.01C	2.23A	86B	340F	0.115B	2.4B		6	43C	34	11	8
0.2 - 0.3												
0.3 - 0.7												
0.7 - 0.9												
0.9 - 1.2												
1.2 - 2				550F		2.9B		44	64C	22	6	10

[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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - 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