Project Name: NAR
Project Code: NAR **Site ID:** B774 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	**Locality:**	
Date Desc.:	12/05/71	**Elevation:**	240 metres
Map Ref.:	Sheet No. : 9046 1:100000	**Rainfall:**	716
Northing/Long.:	150.902777777778	**Runoff:**	No Data
Easting/Lat.:	-25.7041666666667	**Drainage:**	No Data

Geology

ExposureType:	Auger boring	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	PRt	**Substrate Material:**	Auger boring, 1 m deep,Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	**Pattern Type:**	No Data
Morph. Type:	Lower-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Basic Regolithic Orthic Tenosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Uc4.21
Great Soil Group: Siliceous sand

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus, Panicum effusum
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus tessellaris

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Brown (7.5YR4/2-Moist); ; Loamy coarse sand; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.9 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.5 m	Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B2	0.5 - 0.9 m	Light reddish brown (5YR6/4-Moist); ; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B2	0.9 - 1.2 m	Reddish yellow (7.5YR6/5-Moist); ; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
D	1.2 - 2 m	Strong brown (7.5YR5/5-Moist); ; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments;

Morphological Notes

Observation Notes

SUBSTRATE COLLUVIUM FROM ADAMELLITE. LAYERS RENUMBERED 5-10-92

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.2	6.8H	<0.01B	2.8K	0.6	0.28	0	1.1D			
0.2 - 0.5										
0.5 - 0.9	7.3H	<0.01B	1.7K	0.5	0.18	0	1.25D			
0.9 - 1.2										
1.2 - 2										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.2		1.73A	36B	300F	0.038B	2.9B		14	73C	17	6	2
0.2 - 0.5												
0.5 - 0.9				270F		3B		17	64C	25	8	6
0.9 - 1.2												
1.2 - 2												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.2										
0.2 - 0.5										
0.5 - 0.9										
0.9 - 1.2										
1.2 - 2										

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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 recordede
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