

Project Name: NAR
Project Code: NAR **Site ID:** B764 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	12/05/71	Elevation:	230 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, 0.77 m deep, Unconsolidated material (unidentified)

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:	5.8 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Hypernatric Grey Sodosol		Principal Profile Form:	Dy3.43
ASC Confidence:		Great Soil Group:	Solodic 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, Bothriochloa decipiens
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Dark brown (10YR3/3-Moist); ; Loamy coarse sand; Weak grade of structure, 5-10 mm, Granular; Dry; Very 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 -
A21	0.2 - 0.3 m	Greyish brown (10YR5/2-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.3 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
A22	0.3 - 0.43 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR8/3-Dry); ; Clayey coarse sand; Massive grade of structure; Dry; 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; Abrupt change to -
B21	0.43 - 0.6 m	Pale brown (10YR6/3-Moist); , 10YR76, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Soft segregations; Field pH 6.7 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B22	0.6 - 0.77 m	Brownish yellow (10YR6/6-Moist); , 10YR63, 20-50% , 5-15mm, Distinct; , 10YR52, 20-50% , 5-15mm, Distinct; Heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Soft segregations; Field pH 8.6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	0.77 - 0.83 m	Brownish yellow (10YR6/5-Moist); , 10YR63, 20-50% , 5-15mm, Distinct; , 2.5YR66, 20-50% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Moist; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes

SUBSTRATE COLLUVIUM FROM ADAMELLITE. 0-10 CM POROUS GRANULAR STRUCTURE.BELOW 60 CM MODERATE SPECKLING OF WEATHERING MINERALS. GRAVEL DOMINANTLY FELDSPAR WITH QUARTZ. LAYERS RENUMBERED 5-10-92

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.2	6.6H	<0.01B	2.8K	1	0.22	0.05	2.1D			
0.2 - 0.3										
0.3 - 0.43										
0.43 - 0.6	8.5H	0.09B	1.35K	5.6	0.19	2.45	7.3D			
0.6 - 0.8										
0.77 - 0.83										

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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