

Project Name: NAR
Project Code: NAR **Site ID:** B758 **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, 1.3 m deep, Adamellite

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:	4.8 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Mottled Eutrophic Grey Chromosol		Principal Profile Form:	Dy3.23
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 - Bothriochloa decipiens
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); ; Sandy loam; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 5.9 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.4 m	Brown (10YR5/3-Moist); ; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to -
B21	0.4 - 0.6 m	Pale brown (10YR6/3-Moist); , 2.5YR46, 20-50% , 5-15mm, Distinct; , 7.5YR56, 20-50% , 5-15mm, Distinct; Heavy clay; Moderate grade of structure, Prismatic; 10-20 mm, Angular blocky; Moist; Very firm 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 -
B22	0.6 - 0.9 m	Light brownish grey (2.5Y6/3-Moist); , 10YR66, 20-50% , 5-15mm, Distinct; , 10YR52, 20-50% , 5-15mm, Distinct; Heavy clay; Moderate grade of structure, Prismatic; 10-20 mm, Angular blocky; Moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B23	0.9 - 1.1 m	Pale brown (10YR6/3-Moist); , 10YR65, 20-50% , 5-15mm, Distinct; , 10YR52, 20-50% , 5-15mm, Distinct; Sandy medium clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 8.3 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B3	1.1 - 1.3 m	Light reddish brown (5YR6/4-Moist); , 10YR52, 10-20% , 15-30mm, Distinct; , 10-20% , 15-30mm, Distinct; Sandy medium clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8.6 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
C	1.3 - 1.8 m	Pale yellow (2.5Y7/4-Moist); , 10YR64, 20-50% , 0-5mm, Distinct; , 10YR51, 20-50% , 0-5mm, Distinct; Sandy clay loam; Massive grade of structure; Moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.7 (pH meter); Few, very fine (0-1mm) roots;

Morphological Notes

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SUBSTRATE FINE GRAINED DIFFERENTIATE. BELOW 90 CM LIGHT INCREASING TO STRONG (110 CM) WEATHERED MINERAL SPECKLING. GRAVELS FELDSPAR AND QUARTZ.

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