

Project Name: NAR
Project Code: NAR **Site ID:** B715 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	10/05/71	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, 0.8 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:	10 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol		Principal Profile Form:	Dr2.22
ASC Confidence:		Great Soil Group:	Red 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, Glycine tabacina
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Coarse sandy loam; Massive grade of structure; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.8 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A2	0.1 - 0.2 m	Brown (7.5YR4/4-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 50-90%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A3	0.2 - 0.3 m	Reddish brown (5YR4/4-Moist); ; Coarse sandy loam; Massive grade of structure; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Clear change to -
B21	0.3 - 0.5 m	Yellowish red (5YR4/8-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.2 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B22	0.5 - 0.7 m	Yellowish red (5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.7 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B3	0.7 - 0.8 m	Strong brown (7.5YR5/6-Moist); , 10YR54, 20-50% , 0-5mm, Faint; , 20-50% , 0-5mm, Faint; Coarse sandy medium clay (Light); Massive grade of structure; Moderately moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	0.8 - 1 m	Strong brown (7.5YR5/6-Moist); ; Coarse sandy clay loam (Light); Massive grade of structure; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

NON-CALIC BROWN SOIL INTERGRADE. STRONG SPECKLING OF WEATHERING MINERALS BELOW 50CM. GRAVEL DOMINANTLY FELDSPAR.

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Site Notes

Laboratory Test Results:

0 - 0.1	6.6H	0.01B	3.5K	1.1	0.27	0.02	1.1D
0.1 - 0.2							
0.2 - 0.3							
0.3 - 0.5	6.5H	0.01B	2.2K	3.6	0.23	0.09	2.5D
0.5 - 0.7							
0.7 - 0.8							
0.8 - 1							

[illegible]

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 - 0.1										
0.1 - 0.2										
0.2 - 0.3										
0.3 - 0.5										
0.5 - 0.7										
0.7 - 0.8										
0.8 - 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
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