

Project Name: NAR
Project Code: NAR **Site ID:** B707 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	09/08/71	Elevation:	240 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, 1.2 m deep, Adamellite

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Vertic Eutrophic Brown Chromosol		Principal Profile Form:	Dy3.21
ASC Confidence:		Great Soil Group:	Yellow 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
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Dark brown (7.5YR3/3-Moist); ; Loamy coarse sand; Massive grade of structure; Dry; Weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.5 m	Reddish brown (5YR5/4-Moist); ; 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; Gradual change to -
A3	0.5 - 0.63 m	Yellowish red (5YR5/6-Moist); ; Clayey coarse sand (Heavy); Massive grade of structure; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.8 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to -
B21	0.63 - 0.8 m	Strong brown (7.5YR5/8-Moist); ; 2.5YR46, 10-20% , 0-5mm, Distinct; , 5YR58, 10-20% , 0-5mm, Distinct; Medium heavy clay; Moderate grade of structure, 10-20 mm, Lenticular; Dry; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B22	0.8 - 1 m	Brownish yellow (10YR6/6-Moist); , 5YR58, 10-20% , 0-5mm, Distinct; , 10YR81, 10-20% , 0-5mm, Distinct; Sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
BC	1 - 1.2 m	Yellowish brown (10YR5/7-Moist); ; Coarse sandy medium clay; Massive grade of structure; Dry; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	1.2 - 1.3 m	Very pale brown (10YR8/4-Moist); , 2.5YR42, 20-50% , 0-5mm, Distinct; , 10YR81, 20-50% , 0-5mm, Distinct; Clayey coarse sand; Massive grade of structure; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

BELOW 80CM LIGHT INCREASING TO STRONG MINERAL SPECKLING. GRAVEL DOMINANTLY FELDSPAR.:LAYERS RENUMBERED 22-9-92

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Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			

0 - 0.2	6.5H	0.02B	3.4K	1.1	0.32	0	1.76D
0.2 - 0.5							
0.5 - 0.63							
0.63 - 0.8	6.2H	0.01B	5.8K	8.3	0.31	0.51	4.7D
0.8 - 1							
1 - 1.2							
1.2 - 1.3							

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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