

Project Name: NAR
Project Code: NAR **Site ID:** B776 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	13/05/71	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, 0.7 m deep,Adamellite

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	No Data
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	4.1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Brown Chromosol		Principal Profile Form:	Dy3.61
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 - 0.1 m	Brown (10YR4/3-Moist); ; Loamy sand; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
A2	0.1 - 0.4 m	Light yellowish brown (10YR6/4-Moist); ; Clayey sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.3 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B1	0.4 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.1 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B2	0.5 - 0.7 m	Brown (7.5YR5/4-Moist); , 7.5YR56, 10-20% , 5-15mm, Distinct; , 5YR48, 10-20% , 5-15mm, Distinct; Sandy medium clay; Massive grade of structure; Moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.2 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	0.7 - 0.9 m	Brown (7.5YR5/4-Moist); , 7.5YR66, 10-20% , 0-5mm, Distinct; , 2.5YR68, 10-20% , 0-5mm, Distinct; Clayey sand; Massive grade of structure; Moist; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.8 (pH meter); Diffuse change to -
	0.9 - 1 m	Yellowish brown (10YR5/4-Moist); , 10YR66, 20-50% , 0-5mm, Distinct; , 2.5YR68, 20-50% , 0-5mm, Distinct; Medium clay; Massive grade of structure; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8 (pH meter);

Morphological Notes

Observation Notes

BELOW 50 CM MODERATE INCREASING TO STRONG SPECKLING OF WEATHERING MINE RALS, WHITE 10YR8/2, 10YR4/2. LAYERS RENUMBERED 5-10-92

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol	Exchangeable Acidity (+)/kg	CEC	ECEC	ESP %
0 - 0.1	5.1H	0.05B	2.8K	1.2	0.28	0	2D			
0.1 - 0.4										
0.4 - 0.5										
0.5 - 0.7										
0.7 - 0.9	6.6H	0.01B	3.1K	6.5	0.29	0.5	2.6D			
0.9 - 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