

Project Name: NAR
Project Code: NAR **Site ID:** B721 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	10/05/71	Elevation:	250 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 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:	4.4 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Yellow Sodosol		Principal Profile Form:	Dy5.81
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, Sporobolus elongatus
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sandy loam; Massive grade of structure; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A21	0.2 - 0.5 m	Brown (10YR5/3-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.9 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
A22	0.5 - 0.66 m	Light yellowish brown (10YR6/4-Moist); Very pale brown (10YR7/4-Dry); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to -
2B	0.66 - 0.8 m	Brownish yellow (10YR6/5-Moist); , 2.5YR46, 20-50% , 5-15mm, Prominent; , 10YR62, 20-50% , 5-15mm, Prominent; Light medium clay; Massive grade of structure; Moderately moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 5.5 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B3	0.8 - 1 m	Brownish yellow (10YR6/5-Moist); , 10YR61, 20-50% , 5-15mm, Prominent; , 2.5YR46, 20-50% , 5-15mm, Prominent; Light clay; Massive grade of structure; Moderately moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 4.5 (pH meter);

Morphological Notes

Observation Notes

BELOW 70CM MODERATE TO STRONG SPECKLING WITH WEATHERING MINERALS. GRAVELS DOMINANTLY FELDSPAR WITH QUARTZ.

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	6.8H	0.02B	5.4K	1.1	0.3	0	0.91D
0.2 - 0.5							
0.5 - 0.66							
0.66 - 0.8	7.8H	<0.01B	3.8K	4.8	0.1	0.9	4.1D
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