

Project Name: NAR
Project Code: NAR **Site ID:** B762 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	12/05/71	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, Adamellite

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	No Data
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	No Data
Slope:	0.8 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Magnesian Mottled-Subnatric Red Sodosol		Principal Profile Form:	Dr3.21
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
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus tessellaris

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/3-Moist); ; Loamy coarse sand; Weak grade of structure, 5-10 mm, Subangular blocky; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 5.3 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A21	0.1 - 0.2 m	Brown (7.5YR4/4-Moist); ; Coarse sand; Massive grade of structure; Dry; Very weak consistence; 50-90%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.2 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
A22	0.2 - 0.38 m	Brown (7.5YR5/4-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.2 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to -
B2	0.38 - 0.46 m	Yellowish red (5YR4/6-Moist); , 10YR54, 20-50% , 0-5mm, Distinct; , 10YR74, 20-50% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 5.5 (pH meter);

Morphological Notes

Observation Notes

BELOW 38 CM MODERATE INCREASING TO STRONG WEATHERED MINERAL SPECKLING. GRAVEL DOMINANTLY FELDSPAR.

Site Notes

NARAYEN

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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 Cmol (+)/kg	Acidity		%

0 - 0.1	6.1H	<0B	2.1K	1.9	0.36	0.05	3.1D
0.1 - 0.2							
0.2 - 0.38							
0.38 - 0.46	6.2H	0.01B	0.6K	11.4	0.39	1.5	5.3D

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		1.66A	16B	360F	0.045B	2.7B		30	60C	26	2	11
0.1 - 0.2												
0.2 - 0.38												
0.38 - 0.46				540F		2.3B		36	44C	16	7	32

[illegible]

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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