

Project Name: NAR
Project Code: NAR **Site ID:** B744 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	11/05/71	Elevation:	220 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, Unconsolidated material (unidentified)

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:	3.2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Vertic Mottled-Subnatric Brown Sodosol		Principal Profile Form:	Dy3.43
ASC Confidence:		Great Soil Group:	Solodic 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 - 0.15 m	Brown (7.5YR4/2-Moist); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6 (pH meter); Common, very fine (0-1mm) roots; Abrupt change to -
A21	0.15 - 0.3 m	Greyish brown (10YR5/2-Moist); ; Loamy fine sand; Massive grade of structure; Dry; Very weak consistence; 0-2%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.2 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A22	0.3 - 0.5 m	Light brownish grey (10YR6/2-Moist); White (10YR8/2-Dry); ; Clayey fine sand (Heavy); Massive grade of structure; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Abrupt change to -
B21	0.5 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 10YR42, 20-50% , 0-5mm, Distinct; , 2.5Y52, 20-50% , 0-5mm, Distinct; Medium clay; Weak grade of structure, Prismatic; 20-50 mm, Angular blocky; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B22	0.8 - 1 m	Yellowish brown (10YR5/4-Moist); , 10YR63, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8.5 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B23	1 - 1.8 m	Yellowish brown (10YR5/8-Moist); , 10YR52, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium heavy clay; Massive grade of structure; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8.5 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	1.8 - 2 m	Strong brown (7.5YR5/6-Moist); , 10YR54, 20-50% , 5-15mm, Distinct; , 10YR52, 20-50% , 5-15mm, Distinct; Coarse sandy medium clay; Massive grade of structure; Moderately moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 8.5 (pH meter);

Morphological Notes

Observation Notes

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Site Notes

NARAYEN

SUBSTRATE MIXED ALLUVIUM COLLUVIUM FROM ADAMELLITE. STRONG VERTICAL CRACKS WITH GREY BROWN

FACES FROM 50-100CM.

120-150CM FEW 2-6MM MANGANIFEROUS NODULES.

Laboratory Test Results:

[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