

Project Name: NAR
Project Code: NAR **Site ID:** B745 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	11/05/71	Elevation:	230 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:	0.9 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:	Plain	Slope Category:	No Data
Slope:	2.9 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Eutrophic Mottled-Subnatric Grey Sodosol	Mapping Unit:	N/A
ASC Confidence:	All necessary analytical data are available.	Principal Profile Form:	Dy3.82
		Great Soil Group:	Yellow podzolic soil

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus, Bothriochloa decipiens
 Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Silty loam (Heavy); Massive grade of structure; Dry; Strong consistence; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Clear change to -
A12	0.2 - 0.3 m	Greyish brown (10YR5/2-Moist); ; Loam (Heavy); Massive grade of structure; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.3 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
A21	0.3 - 0.4 m	Greyish brown (10YR5/2-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.4 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
A22	0.4 - 0.55 m	Brown (10YR5/3-Moist); Very pale brown (10YR7/3-Dry); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B21	0.55 - 0.7 m	Greyish brown (10YR5/2-Moist); , 10YR72, 20-50% , 0-5mm, Distinct; , 10YR58, 20-50% , 0-5mm, Distinct; Sandy medium clay; Massive grade of structure; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B22	0.7 - 0.8 m	Greyish brown (10YR5/2-Moist); , 10YR58, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Silty light clay; Massive grade of structure; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.9 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B23	0.8 - 0.9 m	Greyish brown (10YR5/2-Moist); , 7.5YR55, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Silty light clay; Massive grade of structure; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.7 (pH meter); Clear change to -
2A1b	0.9 - 1 m	Greyish brown (10YR5/2-Moist); , 7.5YR56, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Coarse sandy loam; Massive grade of structure; Dry; Firm consistence; 10-20%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.5 (pH meter); Gradual change to -

Project Name: NAR
Project Code: NAR **Site ID:** B745 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

2A1b	1 - 1.1 m	Greyish brown (10YR5/2-Moist); , 10YR56, 20-50% , 5-15mm, Faint; , 20-50% , 5-15mm, Faint; Sandy loam; Massive grade of structure; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 6.8 (pH meter); Gradual change to -
2B1b	1.1 - 1.2 m	Greyish brown (10YR5/2-Moist); , 10YR56, 20-50% , 5-15mm, Faint; , 20-50% , 5-15mm, Faint; Sandy medium clay (Light); Massive grade of structure; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Field pH 7.2 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
2B2b	1.2 - 1.8 m	Light brownish grey (10YR6/2-Moist); , 10YR57, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Medium heavy clay; Weak grade of structure, 5-10 mm, Polyhedral; Moderately moist; Strong consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 8 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
2B2b	1.8 - 2.1 m	Dark greyish brown (10YR4/2-Moist); , 2.5Y63, 10-20% , 5-15mm, Distinct; , 10YR58, 10-20% , 5-15mm, Distinct; Medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Moderately moist; Strong consistence; 20-50%, medium gravelly, 6-20mm, Gravel, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

SUBSTRATE DOMINANTLY ADAMELLITE ALLUVIUM. 10-30CM SLIGHT (10YR56) OCHEROUS ROOT TRACES AND BLEACHED SPOTS. 100-120 FINE SANDY MATERIALS. PROFILE BELOW 90CM SHOWS SOME ALLUVIAL LAYERING.

Site Notes

NARAYEN

Observation ID: 1

Laboratory Test Results:

[illegible][illegible][illegible]

Project Name: NAR
Project Code: NAR **Site ID:** B745 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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