

Project Name: NAR
Project Code: NAR **Site ID:** B812 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	Catchment 4.
Date Desc.:	05/03/73	Elevation:	240 metres
Map Ref.:	Sheet No. : 9046 1:100000	Rainfall:	716
Northing/Long.:	150.910555555556	Runoff:	Slow
Easting/Lat.:	-25.6933333333333	Drainage:	Imperfectly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PRt	Substrate Material:	Undisturbed soil core, 2 m deep, Unconsolidated material

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	30 metres
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Mottled Eutrophic Brown Kurosol		Principal Profile Form:	Dy3.81
ASC Confidence:		Great Soil Group:	Gleyed 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, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.04 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sandy loam; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots; Abrupt change to -
A12	0.04 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Coarse sandy loam; Weak grade of structure, 10-20 mm, Polyhedral; Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots;
A12	0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); , 10YR62; Coarse sandy loam; Weak grade of structure, 10-20 mm, Polyhedral; Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.3 m	Greyish brown (10YR5/2-Moist); , 10YR63; Coarse sandy loam; Weak grade of structure, 10-20 mm, Polyhedral; Moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots; Gradual change to -
A2	0.3 - 0.45 m	Brown (10YR5/3-Moist); ; Clayey coarse sand; Massive grade of structure; Wet; Very weak consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
A2	0.45 - 0.6 m	Pale brown (10YR6/3-Moist); ; Clayey coarse sand; Massive grade of structure; Wet; Very weak consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots;
A2	0.6 - 0.8 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); ; Clayey coarse sand; Massive grade of structure; Wet; Very weak consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments;
A2	0.8 - 0.9 m	Pale brown (10YR6/3-Moist); ; Clayey coarse sand; Massive grade of structure; Wet; Very weak consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments;
A2	0.9 - 1.1 m	Pale brown (10YR6/3-Moist); ; Clayey coarse sand; Massive grade of structure; Wet; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Clear change to -

Project Name: NAR
Project Code: NAR **Site ID:** B812 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

A3	1.1 - 1.2 m	Pale brown (10YR6/3-Moist); , 10YR54, 10-20% , 5-15mm, Faint; , 10-20% , 5-15mm, Faint; Clayey coarse sand; Massive grade of structure; Wet; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Clear change to -
B1	1.2 - 1.44 m	Strong brown (7.5YR5/5-Moist); , 10YR62, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Wet; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Nodules; Clear change to -
B2	1.44 - 1.5 m	Yellowish brown (10YR5/6-Moist); , 10YR61, 20-50% , 5-15mm, Distinct; , 7.5YR56, 20-50% , 5-15mm, Distinct; Coarse sandy medium clay; Massive grade of structure; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations;
B2	1.5 - 1.6 m	Yellowish brown (10YR5/6-Moist); , 10YR61, 20-50% , 5-15mm, Distinct; , 7.5YR56, 20-50% , 5-15mm, Distinct; Coarse sandy medium clay; Massive grade of structure; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Clear change to -
B2	1.6 - 1.8 m	Yellowish brown (10YR5/6-Moist); , 10YR61, 20-50% , 15-30mm, Prominent; , 7.5YR56, 20-50% , 15-30mm, Prominent; Coarse sandy medium clay; Massive grade of structure; Moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations;
B3	1.8 - 2.04 m	Greyish brown (10YR5/2-Moist); , 7.5YR56, 20-50% , 15-30mm, Distinct; , 2.5Y63, 20-50% , 15-30mm, Distinct; Coarse sandy medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Clear change to -
B3	2.04 - 2.1 m	Greyish brown (10YR5/2-Moist); , 10YR56, 20-50% , 15-30mm, Distinct; , 20-50% , 15-30mm, Distinct; Sandy light clay (Heavy); Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments;
B3	2.1 - 2.23 m	Greyish brown (10YR5/2-Moist); , 10YR66, 20-50% , 15-30mm, Distinct; , 7.5YR56, 20-50% , 15-30mm, Distinct; Sandy medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Clear change to -
B3	2.23 - 2.4 m	Light brownish grey (2.5Y6/3-Moist); , 5YR58, 20-50% , 15-30mm, Distinct; , 20-50% , 15-30mm, Distinct; Sandy medium clay; Massive grade of structure; Moist; Very firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Clear change to -
D	2.4 - 2.45 m	Greyish brown (10YR5/2-Moist); , 5YR58, 10-20% , 5-15mm, Distinct; , 10YR84, 10-20% , 5-15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments;

Morphological Notes

Observation Notes

PARENT MATERIAL COLLUVIUM FROM ADAMELLITE. GRAVELS DOMINANTLY QUARTZ WITH SOME 6-20MM FELDSPARS THROUGHOUT. 180-240CM POSSIBLY D HORIZON, MODERATELY PEDAL WITH DISTINCT ARGILLANS AND BUNDLES OF FINE ROOTS ON PED SURFACES. 240-245CM

Site Notes

NARAYEN

Project Name: NAR

Project Code: NAR

Site ID: B812

Observation ID: 1

Agency Name: CSIRO Division of Soils (QLD)

[illegible]

Project Name: NAR
Project Code: NAR **Site ID:** B812 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

0.2 - 0.3
0.3 - 0.45
0.45 - 0.6
0.6 - 0.8
0.8 - 0.9
0.9 - 1.1
1.1 - 1.2
1.2 - 1.44
1.44 - 1.5
1.5 - 1.6
1.6 - 1.76
1.84 - 2.04
2.04 - 2.1
2.1 - 2.23
2.23 - 2.4
2.4 - 2.45

Project Name: NAR
Project Code: NAR **Site ID:** B812 **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
3A1	EC of 1:5 soil/water extract
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
P3A_NR	Bulk density - Not recorded