

Project Name: NAR
Project Code: NAR **Site ID:** B807 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	Catchment 3.
Date Desc.:	21/09/72	Elevation:	265 metres
Map Ref.:	Sheet No. : 9046 1:100000	Rainfall:	716
Northing/Long.:	150.902777777778	Runoff:	Moderately rapid
Easting/Lat.:	-25.7011111111111	Drainage:	Moderately well drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PRt	Substrate Material:	Undisturbed soil core, 1.1 m deep, Unconsolidated material

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	30 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Magnesian Mottled-Subnatric Grey Sodosol		Principal Profile Form:	Dy5.41
ASC Confidence:		Great Soil Group:	Soloth
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, Aristida species
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy coarse sand; Massive grade of structure; Moderately moist; Very weak consistence; Common, very fine (0-1mm) roots; Clear change to -
A12	0.05 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Coarse sand (Heavy); Massive grade of structure; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots; Clear change to -
A21	0.1 - 0.2 m	Brown (10YR5/3-Moist); Light grey (10YR7/2-Dry); ; Coarse sand; Massive grade of structure; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
A22	0.2 - 0.3 m	Pale brown (10YR6/3-Moist); ; Coarse sand; Massive grade of structure; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
A23	0.3 - 0.53 m	Pale brown (10YR6/3-Moist); White (10YR8/2-Dry); ; Coarse sand; Massive grade of structure; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Few, very fine (0-1mm) roots; Sharp change to -
B21	0.53 - 0.6 m	Light brownish grey (10YR6/2-Moist); , 7.5YR58, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Coarse sandy medium clay; Weak grade of structure, 50-100 mm, Angular blocky; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments;
B21	0.6 - 0.73 m	Light brownish grey (10YR6/2-Moist); , 7.5YR58, 20-50% , 5-15mm, Distinct; , 10YR63, 20-50% , 5-15mm, Distinct; Coarse sandy medium clay (Heavy); Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Clear change to -
B22	0.73 - 0.9 m	Brown (10YR4/3-Moist); ; Sandy medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots;

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B22	0.9 - 0.96 m	Brown (10YR4/3-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots; Diffuse change to -
B3	0.96 - 1.07 m	Brown (10YR4/3-Moist); , 10YR52, 20-50% , 0-5mm, Distinct; , 10YR84, 20-50% , 0-5mm, Distinct; Coarse sandy medium clay; Weak grade of structure, Angular blocky; Dry; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots; Clear change to -
C	1.07 - 1.2 m	Yellow (10YR8/6-Moist); , 10YR73, 20-50% , 0-5mm, Distinct; , 5YR52, 20-50% , 0-5mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moderately moist; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Diffuse change to -
C	1.2 - 1.33 m	Brownish yellow (10YR6/6-Moist); , 5YR73, 20-50% , 0-5mm, Distinct; , 10YR58, 20-50% , 0-5mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moderately moist; Very firm consistence; 50-90%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments;

Morphological Notes

Observation Notes

PARENT MATERIAL COLLUVIUM FROM ADAMELLITE. 0-53CM GRAVELS DOMINANTLY QUARTZ, FELDSPARS BELOW. BELOW 96CM ALTERED ADAMELLITE IN SITU.

Site Notes

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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
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