

Project Name: NAR
Project Code: NAR **Site ID:** B797 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	Catchment 2.
Date Desc.:	20/09/72	Elevation:	237 metres
Map Ref.:	Sheet No. : 9046 1:100000	Rainfall:	716
Northing/Long.:	150.908888888889	Runoff:	Moderately rapid
Easting/Lat.:	-25.708333333333	Drainage:	Moderately well drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PRt	Substrate Material:	Undisturbed soil core, 0.8 m deep, Unconsolidated material

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Magnesian Mottled-Subnatric Grey Sodosol		Principal Profile Form:	Dy3.41
ASC Confidence:		Great Soil Group:	Grey-brown 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, Aristida species
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus tessellaris

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Loamy coarse sand; Massive grade of structure; Moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots; Clear, Wavy change to -
A2	0.1 - 0.2 m	Yellowish brown (10YR5/4-Moist); ; Loamy coarse sand; Massive grade of structure; Moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.3 m	Light yellowish brown (10YR6/4-Moist); Very pale brown (10YR7/3-Dry); ; Coarse sand; Massive grade of structure; Moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
A2	0.3 - 0.41 m	Light yellowish brown (10YR6/4-Moist); Very pale brown (10YR7/3-Dry); ; Coarse sand; Massive grade of structure; Moist; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Sharp change to -
B1	0.41 - 0.48 m	Light brownish grey (2.5Y6/3-Moist); , 7.5YR56, 20-50% , 15-30mm, Distinct; , 10YR53, 20-50% , 15-30mm, Distinct; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
B2	0.48 - 0.6 m	Pale brown (10YR6/3-Moist); , 2.5YR36, 20-50% , 15-30mm, Distinct; , 7.5YR56, 20-50% , 15-30mm, Distinct; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
B3	0.6 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Coarse sandy clay loam; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
C	0.8 - 0.9 m	Strong brown (7.5YR5/6-Moist); , 10YR52, 10-20% , 15-30mm, Distinct; , 5YR56, 10-20% , 15-30mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots;

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C 0.9 - 0.94 m Strong brown (7.5YR5/6-Moist); , 10YR52, 10-20% , 15-30mm, Distinct; , 5YR56, 10-20% , 15-30mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

SOLUM FORMED IN COLLUVIUM FROM ADAMELLITE. GRAVELS QUARTZ AND FELDSPAR THROUGHOUT. COARSE FELDSPARS TO 25MM IN A2 HORIZON. BELOW 94CM TO 3.9M BURIED SOIL LAYERS OF SIMILAR KIND VARYING FROM GRITTY MHC (PEDAL) TO COARSE GRITTY SCL.

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
P3A1	Bulk density - g/cm3