

Project Name: NAR
Project Code: NAR **Site ID:** B796 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	Catchment 4.
Date Desc.:	20/09/72	Elevation:	242 metres
Map Ref.:	Sheet No. : 9046 1:100000	Rainfall:	716
Northing/Long.:	150.906111111111	Runoff:	Moderately rapid
Easting/Lat.:	-25.695833333333	Drainage:	Moderately well drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PRt	Substrate Material:	Undisturbed soil core, 0.83 m deep,Adamellite

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:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Brown Chromosol		Principal Profile Form:	Dy2.21
ASC Confidence:		Great Soil Group:	Yellow 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, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Coarse sandy loam; Massive grade of structure; Moist; Very weak consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots; Clear change to -
A21	0.1 - 0.2 m	Brown (10YR4/3-Moist); ; Loamy coarse sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
A22	0.2 - 0.27 m	Brown (7.5YR4/3-Moist); ; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 50-90%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Few, very fine (0-1mm) roots; Abrupt change to -
B2	0.27 - 0.3 m	Brown (7.5YR5/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots;
B2	0.3 - 0.45 m	Strong brown (7.5YR5/6-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
B2	0.45 - 0.6 m	Strong brown (7.5YR5/6-Moist); , 5YR56, 10-20% , 0-5mm, Distinct; , 10YR76, 10-20% , 0-5mm, Distinct; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots;
B2	0.6 - 0.75 m	Yellowish brown (10YR5/6-Moist); , 2.5YR36, 10-20% , 0-5mm, Distinct; , 10YR86, 10-20% , 0-5mm, Distinct; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
B3	0.75 - 0.83 m	Yellowish brown (10YR5/6-Moist); , 10YR86, 10-20% , 0-5mm, Prominent; , 10-20% , 0-5mm, Prominent; Coarse sandy clay loam; Massive grade of structure; Moderately moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -

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C 0.83 - 0.9 m Yellowish brown (10YR5/6-Moist); , 10YR86, 20-50% , 0-5mm, Prominent; , 5G61, 20-50% , 0-5mm, Prominent; Coarse sandy loam; Massive grade of structure; Moderately moist; Strong consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

GRAVELS QUARTZ AND FELDSPAR, FELDSPARS DOMINANT IN A2 HORIZON. BELOW 45CM PROMINENT SPECKLING OF WEATHERING MINERALS - DOMINANTLY FELDSPARS. LAYERS RENUMBERED 6-10-92

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