

Project Name: NAR
Project Code: NAR **Site ID:** B798 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	Catchment 3.
Date Desc.:	20/09/72	Elevation:	226 metres
Map Ref.:	Sheet No. : 9046 1:100000	Rainfall:	716
Northing/Long.:	150.904166666667	Runoff:	No Data
Easting/Lat.:	-25.7	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PRt	Substrate Material:	Undisturbed soil core, 1 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:	Footslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Sodic Eutrophic Brown Chromosol		Principal Profile Form:	Dy3.42
ASC Confidence:		Great Soil Group:	Solodized solonetz
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

A11	0 - 0.05 m	Very dark brown (10YR2/2-Moist); ; Coarse sandy loam; Massive grade of structure; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots; Clear change to -
A12	0.05 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Loamy coarse sand; Massive grade of structure; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots; Clear change to -
A2	0.1 - 0.2 m	Greyish brown (10YR5/2-Moist); ; Coarse sand; Massive grade of structure; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.3 m	Light brownish grey (10YR6/2-Moist); ; Coarse sand; Massive grade of structure; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Many, very fine (0-1mm) roots; Gradual change to -
A2	0.3 - 0.34 m	Light brownish grey (10YR6/2-Moist); Light grey (10YR7/2-Dry); ; Coarse sand; Massive grade of structure; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots; Sharp change to -
B21	0.34 - 0.47 m	Yellowish brown (10YR5/4-Moist); , 7.5YR56, 10-20% , 15-30mm, Distinct; , 10-20% , 15-30mm, Distinct; Medium clay; Strong grade of structure, 100-200 mm, Columnar; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots;
B21	0.47 - 0.6 m	Greyish brown (2.5Y5/3-Moist); , 7.5YR58, 20-50% , 15-30mm, Distinct; , 20-50% , 15-30mm, Distinct; Medium clay; Strong grade of structure, 100-200 mm, Columnar; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Common, very fine (0-1mm) roots; Diffuse change to -
B22	0.6 - 0.76 m	Greyish brown (10YR5/2-Moist); , 7.5YR58, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Few, very fine (0-1mm) roots;

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B22	0.76 - 0.9 m	Greyish brown (10YR5/2-Moist); , 7.5YR56, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 10-20%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Diffuse change to -
B3	0.9 - 1.02 m	Brown (10YR5/3-Moist); , 7.5YR56, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Light clay; Weak grade of structure, 50-100 mm, Angular blocky; Dry; Strong consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;
C	1.02 - 1.2 m	Strong brown (7.5YR5/6-Moist); , 2.5Y62, 20-50% , 5-15mm, Distinct; , 20-50% , 5-15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Dry; Very firm consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Nodules;

Morphological Notes

Observation Notes

PARENT MATERIAL COLLUVIUM FROM ADAMELLITE. GRAVELS BOTH QUARTZ AND FELDSPAR. SOME SAND FILLED FISSURES BETWEEN COLUMNS EXTEND TO 90CM. B HORIZON PEDS HAVE 10YR4/2 STAINED FACES. 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