

**Project Name:** NAR  
**Project Code:** NAR      **Site ID:** B795      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	Catchment 4.
<b>Date Desc.:</b>	20/09/72	<b>Elevation:</b>	240 metres
<b>Map Ref.:</b>	Sheet No. : 9046 1:100000	<b>Rainfall:</b>	716
<b>Northing/Long.:</b>	150.910833333333	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-25.692222222222	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	PRt	<b>Substrate Material:</b>	Undisturbed soil core, 0.7 m deep, Adamellite

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Red Chromosol		<b>Principal Profile Form:</b>	Dr2.21
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red 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:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Coarse sandy loam; Massive grade of structure; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Common, very fine (0-1mm) roots; Gradual change to -
A1	0.1 - 0.15 m	Dark reddish brown (5YR3/2-Moist); ; Loamy coarse sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Common, very fine (0-1mm) roots; Clear change to -
A2	0.15 - 0.2 m	Dark reddish brown (5YR3/4-Moist); ; Loamy coarse sand; Massive grade of structure; Dry; Very weak consistence; 50-90%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
A2	0.2 - 0.24 m	Dark reddish brown (5YR3/4-Moist); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 50-90%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Abrupt, Wavy change to -
B2	0.24 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common, very fine (0-1mm) roots;
B2	0.3 - 0.52 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; Weak grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common, very fine (0-1mm) roots; Gradual change to -
B2	0.52 - 0.6 m	Dark red (2.5YR3/6-Moist); , 10YR84, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few, very fine (0-1mm) roots;
B3	0.6 - 0.65 m	Dark red (2.5YR3/6-Moist); , 10YR84, 20-50% , 0-5mm, Prominent; , 20-50% , 0-5mm, Prominent; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Dry; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few, very fine (0-1mm) roots;

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B3	0.65 - 0.7 m	Reddish brown (5YR4/4-Moist); , 2.5YR36, 10-20% , 0-5mm, Distinct; , 10YR84, 10-20% , 0-5mm, Distinct; Light clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Abrupt change to -
C	0.7 - 0.9 m	Dark red (2.5YR3/6-Moist); , 10YR54, 10-20% , 5-15mm, Distinct; , 10YR82, 10-20% , 5-15mm, Distinct; Coarse sandy clay loam; Massive grade of structure; Dry; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few, very fine (0-1mm) roots;
C	0.9 - 0.95 m	Dark red (2.5YR3/6-Moist); , 10YR54, 10-20% , 5-15mm, Distinct; , 10YR82, 10-20% , 5-15mm, Distinct; Clayey coarse sand; Massive grade of structure; Dry; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;

#### **Morphological Notes**

#### **Observation Notes**

MUCH 10-25MM FELDSPAR GRAVEL IN A HORIZONS, BELOW 60CM PROMINENT MINERAL SPECKLING. 70-90CM ROCK WEATHERED IN SITU.      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