

**Project Name:** NAR  
**Project Code:** NAR      **Site ID:** B806      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	Catchment 1.
<b>Date Desc.:</b>	21/09/72	<b>Elevation:</b>	256 metres
<b>Map Ref.:</b>	Sheet No. : 9046 1:100000	<b>Rainfall:</b>	716
<b>Northing/Long.:</b>	150.901388888889	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-25.706388888889	<b>Drainage:</b>	Moderately well drained

**Geology**

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

**Land Form**

<b>Rel/Slope Class:</b>	Undulating low hills 30-90m 3-10%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	35 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Bleached-Mottled Magnesic-Natric Brown Kurosol		<b>Principal Profile Form:</b>	Dy3.41
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Soloth
All necessary analytical data are available.			

**Site Disturbance:**

**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**

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy coarse sand; Massive grade of structure; Moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common, very fine (0-1mm) roots; Clear change to -
A21	0.1 - 0.2 m	Brown (10YR5/3-Moist); ; Loamy coarse sand; Massive grade of structure; Moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common, very fine (0-1mm) roots; Gradual change to -
A22	0.2 - 0.25 m	Pale brown (10YR6/3-Moist); ; Clayey 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; Clear change to -
A22	0.25 - 0.3 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); ; Clayey coarse sand; Massive grade of structure; Moderately moist; Weak consistence; 50-90%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Clear change to -
A22	0.3 - 0.34 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR8/3-Dry); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Sharp change to -
B21	0.34 - 0.51 m	Yellowish brown (10YR5/4-Moist); , 10R36, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Heavy clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moderately moist; Strong consistence; 2-10%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Few, very fine (0-1mm) roots; Gradual change to -
B22	0.51 - 0.6 m	Reddish brown (5YR4/4-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Gradual change to -
BC	0.6 - 0.7 m	Brown (7.5YR5/4-Moist); , 5YR54, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Coarse sandy clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 20-50%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Gradual change to -

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C	0.7 - 0.9 m	Very pale brown (10YR8/4-Moist); , 5YR68, 20-50% , 0-5mm, Prominent; , 10YR51, 20-50% , 0-5mm, Prominent; Coarse sandy loam; Massive grade of structure; Moderately moist; Strong consistence; 90-100%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Diffuse change to -
C	0.9 - 1.02 m	Very pale brown (10YR8/3-Moist); , 5YR44, 20-50% , 0-5mm, Prominent; , 10YR41, 20-50% , 0-5mm, Prominent; Coarse sandy loam; Massive grade of structure; Moderately moist; Very firm consistence; 90-100%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Clear change to -
	1.02 - 1.12 m	;
	1.12 - 1.2 m	;
	1.2 - 1.5 m	;
	1.5 - 1.8 m	;

**Morphological Notes**

**Observation Notes**

SOME ROUNDED SILICA GRAVEL IN BASE OF A2, QUARTZ AND WEATHERED FELDSPARGRIT BELOW: 102-180 pB, LB, G ALTERED ADAMELLITE IN SITU GRITTY CKS, 20- 50%, 2-6MM QUARTZ WEATHERED FELDSPAR GRIT. LAYERS RENUMBERED 7-10-92

**Site Notes**

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**Observation ID: 1**

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1.5 - 1.8

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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