

Project Name: NAR
Project Code: NAR **Site ID:** B793 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.D. Hubble
Date Desc.: 25/06/71
Map Ref.: Sheet No. : 9046 1:100000
Northing/Long.: 150.902777777778
Easting/Lat.: -25.704166666667
Locality:
Elevation: 220 metres
Rainfall: 716
Runoff: No Data
Drainage: No Data

Geology

ExposureType: No Data
Geol. Ref.: PRt
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 1 m deep, Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Chromosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dr2.12
Great Soil Group: Non-calcic brown soil

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Brown (7.5YR4/2-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Firm consistence; Field pH 6 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
B1	0.2 - 0.3 m	Reddish brown (5YR4/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, rounded, Gravel, coarse fragments; Field pH 6.3 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
B21	0.3 - 0.5 m	Reddish brown (5YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm, Polyhedral; Moderately moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Gravel, coarse fragments; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B22	0.5 - 0.6 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Moderate grade of structure, Prismatic; 10-20 mm, Angular blocky; Moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, rounded, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 6.9 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B23	0.6 - 0.9 m	Red (2.5YR4/5-Moist); ; Medium clay; Moderate grade of structure, Prismatic; 10-20 mm, Angular blocky; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Field pH 7 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B3	0.9 - 1.1 m	Red (2.5YR5/5-Moist); ; 10YR85, 10-20% , 0-5mm, Distinct; , 5YR43, 10-20% , 0-5mm, Distinct; Sandy medium clay; Massive grade of structure; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 7.3 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	1.1 - 1.3 m	Red (2.5YR5/5-Moist); ; 10YR85, 10-20% , 0-5mm, Distinct; , 5YR43, 10-20% , 0-5mm, Distinct; Coarse sandy loam; Massive grade of structure; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Field pH 8 (pH meter);

Morphological Notes

Observation Notes

SUBSTRATE AUBURN RIVER TERRACE ALLUVIUM OVER ADAMELLITE AT 110 CM. 20-60 CM STRONG VERTICAL FISSURING WITH DARK REDDISH BROWN STAINING. BELOW 80 CM STRONG WEATHERING MINERAL SPECKLING.

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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
3_NR	Electrical conductivity or soluble salts - Not recorded
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