

Project Name: NAR
Project Code: NAR **Site ID:** B792 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

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

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	PRT	Substrate Material:	Auger boring, 2 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	No Data
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	2.6 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol		Principal Profile Form:	Dy2.22
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
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Dry; Weak consistence; Field pH 6.5 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.54 m	Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Fine sandy loam (Light); Massive grade of structure; Dry; Weak consistence; Field pH 6.8 (pH meter); Common, very fine (0-1mm) roots; Abrupt change to -
B21	0.54 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B22	0.8 - 1.2 m	Yellowish brown (10YR5/7-Moist); , 10YR63, 0-2% , 0-5mm, Faint; , 10YR43, 0-2% , 0-5mm, Faint; Heavy clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.2 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B3	1.2 - 1.65 m	Yellowish brown (10YR5/6-Moist); , 7.5YR56, 20-50% , 5-15mm, Distinct; , 10YR63, 20-50% , 5-15mm, Distinct; Sandy light clay (Heavy); Massive grade of structure; Moderately moist; Firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 8 (pH meter); Clear change to -
	1.65 - 2.1 m	Brown (7.5YR5/4-Moist); , 10YR56, 20-50% , 5-15mm, Faint; , 10YR62, 20-50% , 5-15mm, Faint; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Firm consistence; 0-2%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 8.3 (pH meter);

Morphological Notes

Observation Notes

SUBSTRATE AUBURN RIVER TERRACE ALLUVIUM OVER ADAMELLITE MATERIAL. 54-80CM SOME DARK BROWN STAINING ON CRACK FACES.

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
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