

Project Name: NAR
Project Code: NAR **Site ID:** B757 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	12/05/71	Elevation:	230 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:	No Data	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:	Mottled Hypocalcic Black Chromosol	Mapping Unit:	N/A
ASC Confidence:	All necessary analytical data are available.	Principal Profile Form:	Db1.13
		Great Soil Group:	Solodic soil

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Eragrostis parviflora
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Abrupt change to -
B21	0.15 - 0.3 m	Dark brown (10YR3/3-Moist); , 10YR56, 2-10% , 0-5mm, Distinct; , 2-10% , 0-5mm, Distinct; Heavy clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Strong consistence; Field pH 6 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
B22	0.3 - 0.5 m	Dark brown (10YR3/3-Moist); , 10YR44, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Sandy medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Very firm consistence; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B23	0.5 - 0.8 m	Dark yellowish brown (10YR4/4-Moist); , 10YR33, 2-10% , 5-15mm, Faint; , 10YR74, 2-10% , 5-15mm, Faint; Sandy medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter); Gradual change to -
B3	0.8 - 1.2 m	Greyish brown (2.5Y5/2-Moist); , 2.5Y64, 2-10% , 5-15mm, Faint; , 10YR56, 2-10% , 5-15mm, Faint; Fine sandy medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.8 (pH meter); Clear change to -
B3	1.2 - 1.8 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR58, 10-20% , 0-5mm, Distinct; , 2.5Y74, 10-20% , 0-5mm, Distinct; Fine sandy medium clay; Weak grade of structure, Polyhedral; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.5 (pH meter); Clear change to -
B3	1.8 - 2.4 m	Dark greyish brown (2.5Y4/2-Moist); , 10YR56, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Fine sandy medium clay; Weak grade of structure, Polyhedral; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8.5 (pH meter); Clear change to -

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B3 2.4 - 3 m Dark greyish brown (10YR4/2-Moist); , 7.5YR44, 10-20% , 5-15mm, Faint; , 10-20% , 5-15mm, Faint; Fine sandy medium clay; Weak grade of structure, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8.5 (pH meter);

Morphological Notes

Observation Notes

LANDFORM ELEMENT - REMNANT OF HIGH RIVER TERRACE, SUBSTRATE FINE TEXTURED ALLUVIUM.

Site Notes

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[illegible]

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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