

Project Name: BL
Project Code: BL **Site ID:** B333 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/10/57	Elevation:	No Data
Map Ref.:	Sheet No. : 8841 1:100000	Rainfall:	0
Northing/Long.:	149.677777777778	Runoff:	Moderately rapid
Easting/Lat.:	-28.191666666667	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qs	Substrate Material:	Auger boring, 3.8 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	24 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Calcic Red Chromosol		Principal Profile Form:	Dr2.13
ASC Confidence:		Great Soil Group:	Red-brown earth

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - Chloris species, Aristida species
Mid Strata - Tree, 3.01-6m, Closed or dense. *Species includes - Geijera parviflora
Tall Strata - Tree, 6.01-12m, Closed or dense. *Species includes - Acacia harpophylla, Casuarina cristata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.06 m	Yellowish red (5YR4/5-Dry); ; Clay loam; Moderate grade of structure, 5-10 mm, Polyhedral; Many (>5 per 0.01m2) Coarse (>5mm) macropores, Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Field pH 6.6 (pH meter); Many, very fine (0-1mm) roots; Clear change to -
B2	0.06 - 0.18 m	Dark reddish brown (5YR3/4-Dry); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Field pH 7.8 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
B2	0.18 - 0.46 m	Reddish brown (5YR4/3-Dry); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8.9 (pH meter); Gradual change to -
B2	0.46 - 0.71 m	Reddish brown (5YR4/4-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 - 6 mm), Soft segregations; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 8.6 (pH meter); Gradual change to -
B2	0.71 - 1.07 m	Yellowish red (5YR5/6-Moist); ; Heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Gypseous, , Crystals; Field pH 7.7 (pH meter); Gradual change to -
B2	1.07 - 1.47 m	Yellowish red (5YR5/6-Moist); , 7.5YR52, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; Field pH 4.8 (pH meter); Gradual change to -
B2	1.52 - 2.13 m	Brownish yellow (10YR6/6-Moist); , 7.5YR56, 2-10% , 0-5mm, Prominent; , 2-10% , 0-5mm, Prominent; Heavy clay; Moderate grade of structure, Polyhedral; Moderately moist; Very firm consistence; Field pH 4.4 (pH meter); Gradual change to -

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B2	2.13 - 1.67 m	Yellowish brown (10YR5/6-Moist); , 10YR54, 10-20% , 5-15mm, Distinct; , 10-20% , 5-15mm, Distinct; Heavy clay; Moderate grade of structure, Polyhedral; Moderately moist; Very firm consistence; Field pH 4.3 (pH meter); Gradual change to -
B2	2.67 - 1.95 m	Yellowish brown (10YR5/6-Moist); , 2.5YR43, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Heavy clay; Moderate grade of structure, Polyhedral; Moderately moist; Very firm consistence; Field pH 4.4 (pH meter); Gradual change to -
B3	3.05 - 3.66 m	Dark yellowish brown (10YR4/6-Moist); , 10YR61, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Sandy medium clay; Massive grade of structure; Moderately moist; Very firm consistence; Field pH 4.6 (pH meter); Gradual change to -
C	3.81 - 4.57 m	Dark reddish brown (2.5YR3/4-Moist); ; Sandy medium clay; Massive grade of structure; Moderately moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Detrital sedimentary rock (unidentified), coarse fragments; Field pH 4.8 (pH meter); Gradual change to -
C	4.62 - 5.08 m	Red (2.5YR4/8-Moist); ; Sandy clay loam; Massive grade of structure; Moderately moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, subrounded, Detrital sedimentary rock (unidentified), coarse fragments; Field pH 4.5 (pH meter); Sharp change to -
D	5.13 - 5.46 m	White (2.5Y8/2-Moist); , 10YR56, 20-50% , 15-30mm, Distinct; , 20-50% , 15-30mm, Distinct; Silty medium clay; Massive grade of structure; Moist; Very firm consistence;

Morphological Notes

Observation Notes

BANK PROFILE:

Site Notes

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