

Project Name: BL
Project Code: BL **Site ID:** B328 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/10/57	Elevation:	289 metres
Map Ref.:	Sheet No. : 8942 1:100000	Rainfall:	584
Northing/Long.:	150.030555555556	Runoff:	Moderately rapid
Easting/Lat.:	-27.538888888889	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qs	Substrate Material:	Auger boring, 1 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
Hypocalcic Subnatric Black Sodosol		Principal Profile Form:	Dd1.33
ASC Confidence:		Great Soil Group:	Solodized solonetz
All necessary analytical data are available.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Low Strata - Tussock grass, . . *Species includes - Chloris species
Mid Strata - Tree, 1.01-3m, Closed or dense. *Species includes - Geijera parviflora, Eremophila mitchellii
Tall Strata - Tree, 12.01-20m, Closed or dense. *Species includes - Casuarina cristata, Acacia harpophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.01 m	Very dark greyish brown (10YR3/2-Dry); ; Loam (Fibric); Weak grade of structure, 5-10 mm, Platy; Dry; Firm consistence; Field pH 6.5 (pH meter); Sharp change to -
A12	0.01 - 0.13 m	Brown (7.5YR5/4-Dry); ; Fine sandy loam; Massive grade of structure; Dry; Firm consistence; Field pH 7 (pH meter); Gradual change to -
A2	0.13 - 0.15 m	Brown (7.5YR5/4-Dry); ; Fine sandy loam; Massive grade of structure; Dry; Firm consistence; Field pH 7.1 (pH meter); Clear change to -
B21	0.15 - 0.36 m	Dark brown (7.5YR3/2-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Strong consistence; Field pH 7.8 (pH meter); Gradual change to -
B22	0.38 - 0.56 m	Brown (7.5YR4/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Field pH 9 (pH meter); Gradual change to -
B3	0.61 - 0.97 m	Brown (7.5YR5/4-Moist); ; Fine sandy medium clay; Weak grade of structure, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Field pH 9.3 (pH meter); Diffuse change to -
C	1.02 - 1.45 m	Brown (10YR5/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Moist; Weak consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Field pH 9.3 (pH meter); Diffuse change to -
C	1.83 - 2.13 m	Brown (10YR5/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Wet; Slightly plastic; Field pH 9.2 (pH meter); Diffuse change to -
D	2.74 - 3.05 m	Brown (7.5YR4/2-Moist); ; Light medium clay; Wet; Moderately plastic; Field pH 4.9 (pH meter); Diffuse change to -
D	3.45 - 3.96 m	Pale yellow (2.5Y7/4-Moist); ; Light clay; Moist; Weak consistence; Field pH 4.7 (pH meter);

Morphological Notes

Observation Notes

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Site Notes

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - 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
19B_NR	Calcium Carbonate (CaCO3) - 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
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
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