

Project Name: BL
Project Code: BL **Site ID:** B265 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	16/06/55	Elevation:	293 metres
Map Ref.:	Sheet No. : 8943 1:100000	Rainfall:	575
Northing/Long.:	150.030555555556	Runoff:	No runoff
Easting/Lat.:	-27.280555555556	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qs	Substrate Material:	Auger boring, 2 m deep, Clay

Land Form

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

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endoacidic Self-Mulching Grey Vertosol		Principal Profile Form:	Ug5.24
ASC Confidence:		Great Soil Group:	Grey clay
All necessary analytical data are available.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Tall Strata - Tree, 12.01-20m, Closed or dense. *Species includes - Acacia harpophylla, Casuarina cristata

Surface Coarse Fragments:

Profile Morphology

AB	0 - 0.08 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Strong grade of structure, 2-5 mm, Granular; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 6.6 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B2	0.1 - 0.3 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7.6 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B2	0.3 - 0.56 m	Grey (10YR5/1-Moist); , 10YR71; Heavy clay; Moderate grade of structure, Lenticular; Moderate grade of structure, Angular blocky; Moderately moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.3 (pH meter); Gradual change to -
B2	0.61 - 1.07 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; Field pH 7 (pH meter); Gradual change to -
B2	1.07 - 1.52 m	Light brownish grey (10YR6/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; Field pH 5.2 (pH meter);

Morphological Notes

Observation Notes

0-8CM GRANULAR GRADING TO BLOCKY STRUCTURE

Site Notes

TARA

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.08	6.6H	0.02B	19.8K	4.6	1.4	0	8.3D			
0.1 - 0.3	7.6H	0.05B								
0.3 - 0.56	8.3H	0.09B	32.3K	5.7	1.6	1.9				
0.61 - 1.07	7H	0.37B								
1.07 - 1.52	5.2H	0.52B	9.4K	10	0.53	6	9.7D			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.08	0.3C	1.63A	111C	0.05F	0.18B			0	1C	35	14	46
0.1 - 0.3		2.01A			0.21B							
0.3 - 0.56		1.01A										
0.61 - 1.07		0.47A										
1.07 - 1.52		0.47A										

[illegible]

Project Name: BL
Project Code: BL **Site ID:** B265 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Laboratory Analyses Completed for this profile

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
19B_NR	Calcium Carbonate (CaCO ₃) - 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
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