

Project Name: BL
Project Code: BL **Site ID:** B334 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/01/57	Elevation:	238 metres
Map Ref.:	Sheet No. : 8941 1:100000	Rainfall:	0
Northing/Long.:	150.133333333333	Runoff:	Moderately rapid
Easting/Lat.:	-28.168055555556	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 0.97 m deep, Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	30 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0.87 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Calcic Grey Chromosol	Principal Profile Form:	Db1.23
ASC Confidence:	Great Soil Group:	Red-brown earth

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Chloris species, Aristida species
Mid Strata - Shrub, , . *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

A1/A2	0 - 0.08 m	Very dark greyish brown (10YR3/2-Dry); ; Clay loam; Weak grade of structure, 5-10 mm, Subangular blocky; Many (>5 per 100mm ²) Fine (1-2mm) macropores, Dry; Firm consistence; Field pH 7.4 (pH meter); Many, fine (1-2mm) roots; Abrupt change to -
B21	0.08 - 0.2 m	Brown (7.5YR4/2-Dry); ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 7.8 (pH meter); Gradual change to -
B22	0.23 - 0.43 m	Brown (7.5YR4/3-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, Medium (2 - 6 mm), Nodules; Field pH 8.8 (pH meter); Gradual change to -
B23	0.43 - 0.91 m	Brown (7.5YR4/3-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Polyhedral; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; Field pH 8.6 (pH meter); Gradual change to -
C	0.97 - 1.07 m	Reddish yellow (7.5YR7/5-Dry); ; Massive grade of structure; Field pH 8.8 (pH meter);

Morphological Notes

C Finely speckled weathered sandstone:

Observation Notes

0-8CM A1 + A2 HORIZON: SOLONIZED RED-BROWN EARTH:

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	7.4H	0.27B								
0.08 - 0.2	7.8H	0.2B								
0.23 - 0.43	8.8H	0.17B								
0.43 - 0.91	8.6H	0.39B								
0.97 - 1.07	8.8H	0.28B								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08		4.94E	72C	0.044F					6C	45	8	27
0.08 - 0.2	0.91C	1.27E						0	6C	45	8	36
0.23 - 0.43	6.65C	0.75E		0.016F					5C	37	9	39
0.43 - 0.91	2.98C							1	5C	36	12	42
0.97 - 1.07	0.15C			0.018F					2C	56	21	24

[illegible]

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Laboratory Analyses Completed for this profile

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
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