Project Name: BL
Project Code: BL **Site ID:** B267 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	**Locality:**	
Date Desc.:	12/06/55	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8942 1:100000	**Rainfall:**	660
Northing/Long.:	150.170833333333	**Runoff:**	Moderately rapid
Easting/Lat.:	-27.8288888888889	**Drainage:**	Well drained

Geology

ExposureType:	Existing vertical exposure	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	Qs	**Substrate Material:**	Existing vertical exposure, 2.1 m deep,Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Mesotrophic Red Kandosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Gn2.12
Great Soil Group: Red earth

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - Aristida species
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus populnea, Acacia species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Yellowish red (5YR4/6-Dry); ; Sandy clay loam; Massive grade of structure; Moist; Very weak consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 5.3 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
B2	0.26 - 0.69 m	Red (2.5YR4/8-Dry); ; Light medium clay; Massive grade of structure; Moist; Very weak consistence; Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 5.7 (pH meter); Gradual change to -
B2	0.84 - 1.37 m	Red (2.5YR4/7-Dry); ; Light medium clay; Massive grade of structure; Moist; Very weak consistence; Common (10 - 20 %), Ferruginous, Fine (0 - 2 mm), Nodules; Field pH 7 (pH meter); Gradual change to -
B2	1.37 - 1.57 m	Red (10R4/6-Dry); ; Light medium clay; Massive grade of structure; Moist; Very weak consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 8 (pH meter); Gradual change to -
B3	1.73 - 2.03 m	Light grey (10YR7/1-Dry); , 7.5YR58, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Light medium clay; Massive grade of structure; Moist; Very weak consistence; Few (2 - 10 %), Ferruginous, , Nodules; Field pH 7.9 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.15	5.3H	0.01B	2.8K	1	0.75	0.14	9.3D			
0.26 - 0.69	5.7H	0.01B	3.9K	1.2	0.16	0.14	4.8D			
0.84 - 1.37	7H	0.06B								
1.37 - 1.57	8H	0.07B								
1.73 - 2.03	7.9H	0.05B	3K	4.3	0.08	1.2	2.2D			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		0.71A	9C	0.049F	0.07B			0	19C	36	15	29
0.26 - 0.69		0.22A						0	17C	35	12	37
0.84 - 1.37		0.17A						0	14C	34	15	39
1.37 - 1.57	0.12C											
1.73 - 2.03	0.01C	0.05A		0.025F				0	14C	38	10	38

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.15										
0.26 - 0.69										
0.84 - 1.37										
1.37 - 1.57										
1.73 - 2.03										

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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_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 (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 recordede
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