Project Name: BL
Project Code: BL **Site ID:** B269 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	**Locality:**	
Date Desc.:	01/09/55	**Elevation:**	85 metres
Map Ref.:	Sheet No. : 9247 1:100000	**Rainfall:**	762
Northing/Long.:	151.825	**Runoff:**	Moderately rapid
Easting/Lat.:	-25.0186111111111	**Drainage:**	Well drained

Geology

ExposureType:	Existing vertical exposure	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	RLGH	**Substrate Material:**	Existing vertical exposure, 1 m deep,Granodiorite

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Hills
Morph. Type:	Lower-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Chromosol

ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: Dr2.22
Great Soil Group: Non-calcic brown soil

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.15 m	Brown (7.5YR4/2-Moist); ; Loam; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Weak consistence; Field pH 6.3 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A12	0.15 - 0.25 m	Dark reddish brown (5YR3/3-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Field pH 6.5 (pH meter); Common, very fine (0-1mm) roots; Clear change to -
B2	0.33 - 0.48 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; Field pH 7 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
BC	0.58 - 0.76 m	Reddish brown (5YR4/4-Moist); , 7.5YR54; Light clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moist; Weak consistence; Field pH 7.3 (pH meter);

Morphological Notes

Observation Notes

Site Notes

BOOVAL

Project Name: BL
Project Code: BL **Site ID:** B269 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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	6.3H	0.02B	7.3K	1.7	0.31	0.02	6.1D			
0.15 - 0.25	6.5H	0.01B								
0.33 - 0.48	7H	0.01B	8.8K	4.8	0.23	0.21	7.1D			
0.58 - 0.76	7.3H	0.01B								

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		1.62A	46C	0.057F	0.12B			0	29C	40	10	18
0.15 - 0.25		0.91A						0	30C	37	11	21
0.33 - 0.48		0.5A		0.041F				0	11C	18	12	59
0.58 - 0.76		0.19A		0.116F				0	28C	29	17	27

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										
0.15 - 0.25										
0.33 - 0.48										
0.58 - 0.76										

Project Name: **BL**
Project Code: **BL** **Site ID:** **B269** **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
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