

Project Name: BV
Project Code: BV **Site ID:** B451 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	18/05/61	Elevation:	183 metres
Map Ref.:	Sheet No. : 9343 1:100000	Rainfall:	960
Northing/Long.:	152.353333333333	Runoff:	Slow
Easting/Lat.:	-27.265555555556	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Pz	Substrate Material:	Soil pit, 1 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Pediment
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	No Data
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Magnesic-Natric Grey Kurosol		Principal Profile Form:	Dy3.81
ASC Confidence:		Great Soil Group:	Gleyed podzolic soil
All necessary analytical data are available.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Tall Strata - Tree, , Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Greyish brown (10YR5/2-Moist); ; Fine sandy loam; Weak grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; Field pH 5.1 (pH meter); Clear change to -
A2	0.1 - 0.41 m	Light grey (10YR7/1-Moist); ; Fine sandy loam; Massive grade of structure; Moderately moist; Weak consistence; Field pH 5.6 (pH meter); Clear change to -
B2	0.41 - 0.66 m	Light brownish grey (10YR6/2-Moist); , 10YR66, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Light medium clay; Massive grade of structure; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Wet; Moderately plastic; Field pH 4.6 (pH meter); Gradual change to -
B2	0.66 - 0.91 m	Yellowish brown (10YR5/6-Moist); , 10YR61, 20-50% , 5-15mm, Prominent; , 20-50% , 5-15mm, Prominent; Medium clay; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Wet; Moderately plastic; Very few (0 - 2 %), Ferromanganiferous, Coarse (6 - 20 mm), Soft segregations; Field pH 5 (pH meter);

Morphological Notes

Observation Notes

FINE PROMINANT RUSTY ROOT TRACINGS THROUGHTOUT PROFILE.

Site Notes

ESK

Project Name: BV
Project Code: BV Site ID: B451 Observation ID: 1
Agency Name: CSIRO Division of Soils (QLD)

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 - 0.1	5.1H	0.06B	1.3K	0.77	0.23	0.24	6.1D			
0.1 - 0.41	5.6H	0.01B								
0.41 - 0.66	4.6H	0.1B	0K	2.7	0.39	0.33	7.1D			
0.66 - 0.91	5H	0.1B								

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 - 0.1		1.6A	6C	0.018F	0.149B				25C	37	22	12
0.1 - 0.41		0.26A			0.028B				38C	30	21	12
0.41 - 0.66		0.26A		0.022F	0.071B			3	34C	10	9	48
0.66 - 0.91									25C	12	9	56

[illegible]

Project Name: BV
Project Code: BV **Site ID:** B451 **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 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