

Project Name: BV
Project Code: BV **Site ID:** B448 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	05/05/61	Elevation:	183 metres
Map Ref.:	Sheet No. : 9343 1:100000	Rainfall:	960
Northing/Long.:	152.35111111111111	Runoff:	Slow
Easting/Lat.:	-27.2677777777778	Drainage:	Imperfectly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	R-Jo	Substrate Material:	Soil pit, 1.4 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	2 metres
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Magnesian Mottled-Subnatric Grey Sodosol		Principal Profile Form:	Dy3.41
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: Low Strata - Tussock grass, , . *Species includes - Heteropogon contortus
 Tall Strata - Tree, , Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Light brownish grey (10YR6/2-Dry); ; Loamy fine sand; Massive grade of structure; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Weak consistence; Field pH 5.7 (pH meter); Many, medium (2-5mm) roots; Gradual change to -
A21	0.13 - 0.43 m	White (10YR8/2-Dry); ; Loamy fine sand; Massive grade of structure; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 5.9 (pH meter); Many, medium (2-5mm) roots; Gradual change to -
A22	0.43 - 0.58 m	White (10YR8/2-Dry); ; Coarse sand; Massive grade of structure; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6.3 (pH meter); Common, very fine (0-1mm) roots; Clear change to -
B1	0.58 - 0.66 m	Light yellowish brown (10YR6/4-Dry); , 10YR82; , 10YR53; Sandy loam; Moderate grade of structure, 50-100 mm, Columnar; Many (>5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, , Concretions; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Clear change to -
B2	0.66 - 0.84 m	Light brownish grey (2.5Y6/2-Dry); , 10YR56, 10-20% , 15-30mm, Prominent; , 10YR43, 10-20% , 15-30mm, Prominent; Sandy medium clay; Strong grade of structure, 50-100 mm, Columnar; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, , Soft segregations; Field pH 6.5 (pH meter);
B2	0.84 - 1.17 m	Grey (10YR6/1-Dry); , 10YR56, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Sandy medium clay; Massive grade of structure; Moderately moist; Strong consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Very coarse (20 - 60 mm), Nodules; Field pH 6.4 (pH meter); Diffuse change to -
B2	1.17 - 1.37 m	Grey (10YR5/1-Moist); , 10YR56, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Sandy medium clay; Massive grade of structure; Moderately moist; Strong consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations; Field pH 6.2 (pH meter); Diffuse change to -

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C/D 1.37 - 2.08 m Grey (10YR5/1-Moist); , 7.5YR57, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Light medium clay; Massive grade of structure; Moist; Firm consistence; 0-2%, rounded, Quartz, coarse fragments; Field pH 6.2 (pH meter);

Morphological Notes

Observation Notes

Site Notes

ESK

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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
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