

**Project Name:** BV  
**Project Code:** BV      **Site ID:** B446      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	04/05/61	<b>Elevation:</b>	244 metres
<b>Map Ref.:</b>	Sheet No. : 9343 1:100000	<b>Rainfall:</b>	960
<b>Northing/Long.:</b>	152.349444444444	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-27.272222222222	<b>Drainage:</b>	Rapidly drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	R-Jo	<b>Substrate Material:</b>	Auger boring, 1 m deep, Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	61 metres
<b>Elem. Type:</b>	Drainage depression	<b>Slope Category:</b>	No Data
<b>Slope:</b>	7.87 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Red Kandosol		<b>Principal Profile Form:</b>	Gn2.14
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red earth
All necessary analytical data are available.			

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

**Vegetation:** Low Strata - Tussock grass, , . \*Species includes - Heteropogon contortus

Tall Strata - Tree, , Isolated plants. \*Species includes - Eucalyptus tessellaris, Petalostigma pubescens

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.13 m	Brown (7.5YR4/2-Dry); ; Loamy coarse sand; Single grain grade of structure; Dry; Loose consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.6 (pH meter); Many, fine (1-2mm) roots; Gradual change to -
A2	0.13 - 0.3 m	Brown (7.5YR5/3-Dry); ; Coarse sand; Single grain grade of structure; Dry; Loose consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.8 (pH meter); Many, fine (1-2mm) roots; Gradual change to -
B1	0.3 - 0.53 m	Yellowish red (5YR5/5-Dry); ; Coarse sand; Single grain grade of structure; Dry; Loose consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.9 (pH meter); Common, fine (1-2mm) roots; Gradual change to -
B21	0.53 - 0.79 m	Yellowish red (5YR5/6-Dry); ; Clayey coarse sand; Massive grade of structure; Dry; Very weak consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.4 (pH meter); Common, fine (1-2mm) roots; Diffuse change to -
B22	0.79 - 1.12 m	Red (2.5YR4/5-Dry); ; Coarse sandy loam; Massive grade of structure; Dry; Very weak consistence; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6.1 (pH meter); Common, fine (1-2mm) roots; Diffuse change to -
	1.12 - 1.68 m	Red (2.5YR4/6-Dry); ; Coarse sandy loam; Massive grade of structure; Very weak consistence; Very few (0 - 2 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 5.9 (pH meter); Few, fine (1-2mm) roots; Diffuse change to -
	1.68 - 2.44 m	Dark red (2.5YR3/6-Moist); ; Coarse sandy loam; Massive grade of structure; Very weak consistence; 2-10%, coarse gravelly, 20-60mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 5.5 (pH meter); Diffuse change to -
	2.44 - 3.35 m	Dark red (2.5YR3/6-Moist); ; Clay loam, coarse sandy; Massive grade of structure; Very weak consistence; 2-10%, coarse gravelly, 20-60mm, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 5.1 (pH meter); Diffuse change to -
	3.66 - 5.18 m	Dark red (2.5YR3/6-Moist); ; Coarse sandy loam; Massive grade of structure; Very weak consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 5.1 (pH meter); Diffuse change to -

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5.18 - 6.1 m      Dark reddish brown (2.5YR3/4-Moist); ; Coarse sandy loam; Massive grade of structure; Very weak consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 5.8 (pH meter);

**Morphological Notes**

**Observation Notes**

RED EARTH LIGHT TEXTURED:2-10% 2-6MM QZ GRIT AND ROUNDED GRAVEL THROUGHOUT PROFILE:

**Site Notes**

ESK

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[illegible]

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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