

Project Name: BV
Project Code: BV **Site ID:** B437 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	15/06/60	Elevation:	140 metres
Map Ref.:	Sheet No. : 9344 1:100000	Rainfall:	890
Northing/Long.:	152.352777777778	Runoff:	Rapid
Easting/Lat.:	-26.9708333333333	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Re	Substrate Material:	Auger boring, Tuff

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	10.7 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Vertic Mottled-Subnatric Red Sodosol		Principal Profile Form:	Dr3.42
ASC Confidence:		Great Soil Group:	Solodic soil

All necessary analytical data are available.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Tall Strata - Tree, , Isolated plants. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); Greyish brown (10YR5/2-Dry); ; Loam (Light); Massive grade of structure; Common (1-5 per 0.01m2) Coarse (>5mm) macropores, Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Gradual change to -
A2	0.15 - 0.3 m	Very pale brown (10YR7/3-Moist); Very pale brown (10YR8/3-Dry); ; Loam (Light); Massive grade of structure; Many (>5 per 0.01m2) Medium (2-5mm) macropores, Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, subangular, Gravel, coarse fragments; Sharp change to -
B21	0.3 - 0.38 m	Dark red (2.5YR3/6-Moist); , 2.5Y52, 20-50% , 0-5mm, Distinct; , 10YR42, 20-50% , 0-5mm, Distinct; Heavy clay; Strong grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Clear change to -
B22	0.38 - 0.56 m	Dark red (2.5YR3/6-Moist); , 2.5Y52, 20-50% , 0-5mm, Distinct; , 20-50% , 0-5mm, Distinct; Heavy clay; Strong grade of structure, Lenticular; Moderately moist; Strong consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Clear change to -
B23	0.56 - 0.71 m	Yellowish brown (10YR5/6-Moist); ; Heavy clay; Strong grade of structure, Lenticular; Moderately moist; Strong consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; Clear change to -
B3	0.71 - 0.86 m	Yellowish brown (10YR5/6-Moist); , 10YR62, 20-50% , 15-30mm, Prominent; , 20-50% , 15-30mm, Prominent; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, Gravel, coarse fragments; Gradual change to -
C	0.86 - 1.07 m	Yellowish brown (10YR5/8-Moist); , 10YR61, 20-50% , 30-mm, Prominent; , 20-50% , 30-mm, Prominent; Sandy clay loam; Massive grade of structure; 20-50%, Gravel, coarse fragments;

Morphological Notes

Observation Notes

STRONG DEVELOPMENT OF STRIATED SLIP PLANES IN B2:71-107CM GRAVEL PIECESOF SOFT WEATHERED ROCK:

Site Notes

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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 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