

Project Name: BOB
Project Code: BOB **Site ID:** B521 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R. Paton	Locality:	
Date Desc.:	21/11/63	Elevation:	55 metres
Map Ref.:	Sheet No. : 9442 1:100000	Rainfall:	887
Northing/Long.:	152.936666666667	Runoff:	Moderately rapid
Easting/Lat.:	-27.893333333334	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Jw	Substrate Material:	Auger boring, 2 m deep, Shale

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	18 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	10.5 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Epipedal Brown Vertosol		Principal Profile Form:	Ug5.23
ASC Confidence:		Great Soil Group:	Prairie soil

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Imperata cylindrica

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus tessellaris

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, , Substrate material

Profile Morphology

A11	0 - 0.15 m	Very dark brown (10YR2/2-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Polyhedral; Moderately moist; Very weak consistence; 0-2%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6 (pH meter); Abundant, fine (1-2mm) roots; Clear change to -
A12	0.15 - 0.29 m	Brown (7.5YR5/4-Moist); , 5YR46, 10-20% , 0-5mm, Distinct; , 10-20% , 0-5mm, Distinct; Heavy clay; Strong grade of structure, 2-5 mm, Polyhedral; Moist; Moderately plastic; 0-2%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 5.8 (pH meter); Many, fine (1-2mm) roots; Clear change to -
A13	0.29 - 0.48 m	Yellowish brown (10YR5/4-Moist); , 5YR46, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Heavy clay; Strong grade of structure, 2-5 mm, Polyhedral; Moist; Moderately plastic; 0-2%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
B2	0.48 - 0.66 m	Yellowish brown (10YR5/4-Moist); , 5YR46, 10-20% , 0-5mm, Faint; , 10-20% , 0-5mm, Faint; Heavy clay; , Lenticular; Strong grade of structure, 10-20 mm, Polyhedral; Moist; Moderately plastic; 0-2%, medium gravelly, 6-20mm, Substrate material, coarse fragments; Field pH 6.1 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
B2	0.66 - 0.96 m	Brownish yellow (10YR6/6-Moist); ; Heavy clay; , Lenticular; Moist; Moderately plastic; 0-2%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 7.8 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
B2	0.96 - 1.22 m	Olive yellow (2.5Y6/6-Moist); ; Heavy clay; , Lenticular; Moist; Moderately plastic; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter); Diffuse change to -
B2	1.22 - 1.52 m	Olive yellow (2.5Y6/6-Moist); ; Heavy clay; , Lenticular; Moist; Moderately plastic; 2-10%, fine gravelly, 2-6mm, Shale, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.1 (pH meter); Diffuse change to -
B2	1.52 - 1.83 m	Olive yellow (2.5Y6/6-Moist); ; Heavy clay; , Lenticular; Moist; Moderately plastic; 2-10%, fine gravelly, 2-6mm, Shale, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8 (pH meter);

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Observation Notes

Site Notes

WOODHILL

Morphological Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
							(+)/kg		
0 - 0.15	6H	0.02B	7.1K	8.9	1.4	0.67	23D		
0.15 - 0.29	5.8H	0.02B	9.5K	15.7	0.46	1.8	33.2D		
0.29 - 0.48	6H	0.02B							
0.48 - 0.66	6.1H	0.06B	63.2K	17.1	0.3	2.9	33D		
0.66 - 0.96	7.8H	0.17B							
0.96 - 1.22	8.8H	0.24B							
1.22 - 1.52	8.1H	0.34B							
1.52 - 1.83	8H	0.43B							

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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 (CaCO ₃) - 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
9_NR	Available P (mg/kg) - Not recorded