

Project Name: BOB
Project Code: BOB **Site ID:** B520 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	R. Paton	Locality:	
Date Desc.:	21/11/63	Elevation:	38 metres
Map Ref.:	Sheet No. : 9442 1:100000	Rainfall:	887
Northing/Long.:	152.972222222222	Runoff:	Slow
Easting/Lat.:	-27.941388888889	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Terrace (alluvial)
Morph. Type:	No Data	Relief:	12 metres
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Vertic Hypercalcic Black Dermosol		Principal Profile Form:	Gn3.43
ASC Confidence:		Great Soil Group:	Prairie soil
All necessary analytical data are available.			

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

Vegetation:

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Polyhedral; Moderately moist; Weak consistence; Field pH 6.1 (pH meter); Many, fine (1-2mm) roots; Clear change to -
A12	0.05 - 0.23 m	Very dark brown (10YR2/2-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Polyhedral; Moderately moist; Weak consistence; Field pH 6.1 (pH meter); Common, fine (1-2mm) roots; Gradual change to -
B2	0.23 - 0.43 m	Very dark brown (10YR2/2-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very firm consistence; Field pH 6.8 (pH meter); Common, fine (1-2mm) roots; Gradual change to -
B2	0.43 - 0.66 m	Dark brown (10YR3/3-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very firm consistence; Field pH 8 (pH meter); Few, fine (1-2mm) roots; Gradual change to -
B2	0.66 - 0.89 m	Dark greyish brown (10YR4/2-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Field pH 8.5 (pH meter); Few, fine (1-2mm) roots; Clear change
B3	0.89 - 1.22 m	Brown (10YR5/3-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, , Concretions; Field pH 8.2 (pH meter);

Morphological Notes

Observation Notes

Site Notes

GLENEAGLE

Observation ID: 1

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 - 0.05	6.1H	0.02B	5.5K	5.8	1.3	0.48	10.4D			
0.05 - 0.23	6.1H	0.02B	13.1K	7.1	7.8	0.48	15D			
0.23 - 0.43	6.8H	0.03B	23K	23	0.44	1.1	7.5D			
0.43 - 0.66	8H	0.04B	24.8K	14.4	0.22	2.2	2.3D			
0.66 - 0.89	8.5H	0.07B								
0.89 - 1.22	8.2H	0.05B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.05		3.47A	609C	0.168F	0.2B				0.7C	26	35	28
0.05 - 0.23		2.11A			0.175B			0	1C	27	31	34
0.23 - 0.43		0.95A	480C	0.112F				0	0.7C	23	24	48
0.43 - 0.66	0.2C	0.62A						0	1C	28	23	46
0.66 - 0.89	1.3C								2C	38	19	37
0.89 - 1.22	0.1C			0.098F					4C	49	19	29

[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
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