

Project Name: BB
Project Code: BB **Site ID:** B341 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Beckmann	Locality:	Land use: urban: vegetation has been disturbed but not soil profile:
Date Desc.:	25/03/58	Elevation:	30 metres
Map Ref.:	Sheet No. : 9542 1:100000	Rainfall:	1244
Northing/Long.:	153.236111111111	Runoff:	Moderately rapid
Easting/Lat.:	-27.567222222222	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Crest	Relief:	30 metres
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Melanic Mesotrophic Red Ferrosol	Principal Profile Form:	Gn3.11
ASC Confidence:	Great Soil Group:	Krasnozem

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Tall Strata - Sod grass, <0.25m, Closed or dense. *Species includes - Imperata cylindrica

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.15 m	Dark reddish brown (5YR3/3-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Granular; Moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.2 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
A3	0.15 - 0.28 m	Dark reddish brown (5YR3/3-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.3 (pH meter); Many, very fine (0-1mm) roots; Gradual change to -
B2	0.29 - 0.5 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.3 (pH meter); Common, very fine (0-1mm) roots; Diffuse change to -
B2	0.5 - 0.75 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Weak consistence; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 6.3 (pH meter); Common, very fine (0-1mm) roots; Diffuse change to -
B2	0.75 - 1.2 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moist; Weak consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B2	1.2 - 1.5 m	Dark red (2.5YR3/6-Moist); , 2.5Y64, 2-10% , 5-15mm, Faint; , 2-10% , 5-15mm, Faint; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 6 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
B3	1.5 - 2.25 m	Reddish brown (5YR5/4-Moist); , 2.5Y52, 20-50% , 0-5mm, Distinct; , 10YR71, 20-50% , 0-5mm, Distinct; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Many (20 - 50 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; Field pH 5.7 (pH meter);
B3	2.36 - 2.97 m	; Medium heavy clay;

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B3 2.97 - 3.43 m ; Heavy clay;

B3 2.97 - 3.89 m ; Heavy clay;

B3 3.89 - 4.19 m ; Heavy clay;

B3 4.19 - 4.88 m ; Medium heavy clay;

Morphological Notes

Observation Notes

0-15CM POROUS GRANULAR STRUCTURE:

Site Notes

WELLINGTON PT

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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_CEC	CEC - 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
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6Z	Organic carbon (%) - Not recorded
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