

Project Name: BB
Project Code: BB **Site ID:** B307 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	C.H. Thompson	Locality:	
Date Desc.:	31/01/57	Elevation:	8 metres
Map Ref.:	Sheet No. : 9542 1:100000	Rainfall:	965
Northing/Long.:	153.005	Runoff:	Slow
Easting/Lat.:	-27.5675	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	To	Substrate Material:	Soil pit, 0.8 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Endocalcareous-Endohypersodic Self-Mulching Grey Vertisol	Mapping Unit:	N/A
		Principal Profile Form:	Ug5.28
ASC Confidence:	All necessary analytical data are available.	Great Soil Group:	Wiesenboden

Site Disturbance: Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation:

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Granular; Dry; Loose consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 5.9 (pH meter); Abundant, very fine (0-1mm) roots; Gradual change to -
A12g	0.15 - 0.23 m	Dark grey (2.5Y4/1-Moist); , 10YR31; , 5YR48; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 5.9 (pH meter); Abundant, very fine (0-1mm) roots; Gradual change to -
A13g	0.25 - 0.46 m	Dark grey (2.5Y4/1-Moist); , 7.5YR44; , 5YR48; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 5.9 (pH meter); Many, very fine (0-1mm) roots; Diffuse change to -
ACg	0.48 - 0.81 m	Greyish brown (2.5Y5/3-Moist); , 2.5Y51; Medium clay; Moderate grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 5-10 mm, Lenticular; Wet; Moderately plastic; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Field pH 7.9 (pH meter); Few, very fine (0-1mm) roots; Diffuse change to -
Cg	0.84 - 1.22 m	Greyish brown (2.5Y5/3-Moist); , 2.5Y51; , 2.5Y76; Medium clay; Strong grade of structure, 50-100 mm, Lenticular; Strong grade of structure, 5-10 mm, Lenticular; Wet; Moderately plastic; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.5 (pH meter); Diffuse change to -
Cg	1.22 - 1.83 m	Greyish brown (2.5Y5/3-Moist); , 2.5Y51; , 2.5Y76; Heavy clay; Strong grade of structure, 50-100 mm, Lenticular; Wet; Moderately plastic; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules;

Morphological Notes

Observation Notes

A HANDBOOK OF AUSTRALIAN SOILS STACE ET AL 1968 P.148-149:

Site Notes

ARCHERFIELD

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[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
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