

Project Name: BL
Project Code: BL **Site ID:** B331 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	20/10/57	Elevation:	293 metres
Map Ref.:	Sheet No. : 8642 1:100000	Rainfall:	566
Northing/Long.:	148.755555555556	Runoff:	Moderately rapid
Easting/Lat.:	-27.616666666667	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	15 metres
Elem. Type:	Plain	Slope Category:	No Data
Slope:	1.75 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous Epipedal Black Vertosol		Principal Profile Form:	Ug5.13
ASC Confidence:		Great Soil Group:	Black earth
All necessary analytical data are available.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - Dichanthium sericeum
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Geijera parviflora
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus orgadophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.1 m	Very dark grey (10YR3/1-Dry); ; Heavy clay; Strong grade of structure, Granular; Coarse, (10 - 20) mm crack; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subrounded, Substrate material, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 7.5 (pH meter); Clear change to -
B21	0.1 - 0.51 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.4 (pH meter); Gradual change to -
B21	0.56 - 0.76 m	Very dark grey (10YR3/1-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.4 (pH meter); Gradual change to -
B22	0.81 - 0.96 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.3 (pH meter); Gradual change to -
C	1.02 - 1.17 m	Strong brown (7.5YR5/6-Moist); ; Clay loam, fine sandy; Massive grade of structure; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes

0-10CM GRANULAR GRADING TO STRONG 10-20MM BLOCKY STRUCTURE:

Site Notes

WERINGA DOWNS

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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
19B_NR	Calcium Carbonate (CaCO ₃) - 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