

Project Name: CAN
Project Code: CAN **Site ID:** C151 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Parish Wakool portion 2
Date Desc.:	12/12/56	Elevation:	85 metres
Map Ref.:	Sheet No. : 7726 1:100000	Rainfall:	325
Northing/Long.:	144.216666666667	Runoff:	Very slow
Easting/Lat.:	-35.566666666667	Drainage:	Poorly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Slightly porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous-Epihypersodic Massive Grey Vertosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Grey clay
All necessary analytical data are available.			

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Sod grass, , . *Species includes - None recorded
Tall Strata - Tree, , Sparse. *Species includes - Eucalyptus largiflorens

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, , Quartz

Profile Morphology

0 - 0.02 m	Light grey (10YR7/1-Moist); ; Clay loam, fine sandy; Weak grade of structure, 5-10 mm, Subangular blocky; Weak grade of structure, 10-20 mm, Subangular blocky; Very weak consistence; Field pH 8.4 (pH meter);
0.02 - 0.1 m	Dark grey (10YR4/1-Moist); ; Light clay; 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Very firm consistence; Few cutans, <10% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.7 (pH meter);
0.1 - 0.15 m	Dark grey (10YR4/1-Moist); ; Light clay; 10-20 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Few cutans, <10% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 9.1 (pH meter);
0.15 - 0.23 m	Dark grey (10YR4/1-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Very firm consistence; Few cutans, <10% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter);
0.23 - 0.3 m	Dark grey (10YR4/1-Moist); ; Light clay; Very firm consistence; Few cutans, <10% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter);
0.3 - 0.41 m	Greyish brown (10YR5/2-Moist); ; Light clay; Very firm consistence; Few cutans, <10% of ped faces or walls coated; Few (2 - 10 %), Calcareous, , Concretions; Field pH 9 (pH meter);
0.46 - 0.56 m	Greyish brown (10YR5/2-Moist); , 10YR66, 20-50% ; , 20-50% ; Light clay (Heavy); Very firm consistence; Few cutans, <10% of ped faces or walls coated; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 9 (pH meter);
0.69 - 0.76 m	Greyish brown (10YR5/2-Moist); , 10YR66, 20-50% ; , 20-50% ; Light clay (Heavy); Very firm consistence; Few cutans, <10% of ped faces or walls coated; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions; Field pH 9.1 (pH meter);
0.91 - 1.02 m	Pale brown (10YR6/3-Moist); , 10YR68, 20-50% ; , 20-50% ; Light clay (Heavy); Very firm consistence; Few cutans, <10% of ped faces or walls coated; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 9.1 (pH meter);

Project Name: CAN
Project Code: CAN **Site ID:** C151 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

1.27 - 1.37 m Pale brown (10YR6/3-Moist); , 10YR68, 20-50% ; , 20-50% ; Light clay (Heavy); Very firm consistence; Common cutans, 10-50% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Concretions; Field pH 9.1 (pH meter);

Morphological Notes

Observation Notes

PLEISTOCENE AEOLIANITE

Site Notes

MURRAKOOL

Project Name: CAN

Project Code: CAN

Agency Name: CSIRO Division of Soils (NSW)

Site ID: C151

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar		
m					g/g -	m3/m3		mm/h	mm/h

Project Name: CAN
Project Code: CAN Site ID: C151 Observation ID: 1
Agency Name: CSIRO Division of Soils (NSW)

Laboratory Analyses Completed for this profile