

Project Name: CAN
Project Code: CAN **Site ID:** CP125 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:	C.L. Watson	Locality:	
Date Desc.:	12/10/78	Elevation:	No Data
Map Ref.:	Sheet No. : 7125 1:100000	Rainfall:	420
Northing/Long.:	141.566666666667	Runoff:	No Data
Easting/Lat.:	-36.416666666667	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Non-porous, dense, Limestone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Recently cultivated, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Episodic-Endocalcareous Self-Mulching Black Vertosol		Principal Profile Form:	Ug5.11
ASC Confidence:		Great Soil Group:	Grey clay

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.05 m	Very dark grey (7.5YR3/0-Moist); ; Medium heavy clay; ; Granular; ; Angular blocky; Strong consistence; Field pH 7.9 (pH meter);
0.05 - 0.2 m	Very dark grey (7.5YR3/0-Moist); ; 2-10% ; ; 2-10% ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Very weak consistence; Moderately plastic; Field pH 7.5 (pH meter); Sharp change to -
0.2 - 0.3 m	Very dark grey (10YR3/1-Moist); ; 10YR58, 0-2% ; ; 0-2% ; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Moderately plastic; Field pH 7.8 (pH meter);
0.3 - 0.4 m	Very dark grey (10YR3/1-Moist); ; 10YR58, 0-2% ; ; 0-2% ; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Moderately plastic; Field pH 7.7 (pH meter);
0.4 - 0.5 m	Very dark grey (10YR3/1-Moist); ; 10YR58, 0-2% ; ; 0-2% ; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Moderately plastic; Field pH 7.9 (pH meter);
0.5 - 0.6 m	Very dark grey (10YR3/1-Moist); ; 10YR58, 0-2% ; ; 0-2% ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Moderately plastic; Field pH 8.1 (pH meter); Sharp change to -
0.6 - 0.7 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.2 (pH meter);
0.7 - 0.8 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.3 (pH meter);
0.8 - 0.9 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.4 (pH meter);

Project Name: CAN
Project Code: CAN **Site ID:** CP125 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

0.9 - 1 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.5 (pH meter); Sharp change to -
1 - 1.1 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 8.3 (pH meter);
1.1 - 1.2 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Concretions; Field pH 8.5 (pH meter);
1.2 - 1.3 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 8.5 (pH meter);
1.3 - 1.4 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Concretions; Field pH 8.6 (pH meter);
1.4 - 1.5 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 8.7 (pH meter);
1.5 - 1.6 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Concretions; Field pH 8.7 (pH meter);
1.6 - 1.7 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Field pH 8.7 (pH meter);
1.7 - 1.85 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Very many (50 - 100 %), Calcareous, Extremely coarse (> 60 mm), Concretions; Field pH 8.7 (pH meter); Sharp change to -
1.85 - 1.9 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Very many (50 - 100 %), Calcareous, Extremely coarse (> 60 mm), Soft segregations; Field pH 8.7 (pH meter);
1.9 - 2 m	Greenish grey (5GY6/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; Very many (50 - 100 %), Calcareous, Extremely coarse (> 60 mm), Concretions; Field pH 8.7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

KINIMAKATA

Project Name: CAN

Project Code: CAN

Site ID: CP125

Observation ID: 1

Agency Name: CSIRO Division of Soils (VIC)

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
m		g/g - m3/m3								
0 - 0.05								0.31B		

Project Name: CAN
Project Code: CAN **Site ID:** CP125 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

0.05 - 0.2
0.2 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.8
0.8 - 0.9
0.9 - 1
1 - 1.1
1.1 - 1.2
1.2 - 1.3
1.3 - 1.4
1.4 - 1.5
1.5 - 1.6
1.6 - 1.7
1.7 - 1.85
1.85 - 1.9
1.9 - 2

Project Name: CAN
Project Code: CAN **Site ID:** CP125 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

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
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
19A1	Carbonates - rapid titration
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_UC	Organic carbon (%) - Uncorrected Walkley and Black method
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
P3B_GV_15	15 BAR Moisture g/g - Gravimetric using pressure plate