

Project Name: CAN
Project Code: CAN **Site ID:** C141 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Parish Speewa portion 22 on south boundary 350M from east boundary
Date Desc.:	01/12/56	Elevation:	85 metres
Map Ref.:	Sheet No. : 7627 1:100000	Rainfall:	325
Northing/Long.:	143.583333333333	Runoff:	Moderately rapid
Easting/Lat.:	-35.2	Drainage:	Well 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:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Dune	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Petroclitic Hypernatric Red Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Reddish yellow (7.5YR6/6-Moist); ; Sand; Massive grade of structure; Dry; Firm consistence; Field pH 7.6 (pH meter);
A2	0.2 - 0.3 m	Reddish yellow (7.5YR6/6-Moist); ; Sand; Massive grade of structure; Dry; Firm consistence; Field pH 8.9 (pH meter);
B1	0.36 - 0.46 m	Yellowish red (5YR4/5-Moist); ; Sandy light clay; Weak grade of structure, 50-100 mm, Prismatic; Moderately moist; Weak consistence; Field pH 8.9 (pH meter);
B2	0.61 - 0.74 m	Yellowish red (5YR4/6-Moist); , 5YR48, 20-50% ; , 20-50% ; Sandy light clay (Heavy); Moderately moist; Weak consistence; Field pH 9.2 (pH meter);
Bk	0.97 - 1.07 m	Yellowish red (5YR5/7-Moist); , 5YR68, 20-50% ; , 20-50% ; Sandy light clay (Heavy); Moderately moist; Weak consistence; Calcrete, Strongly cemented, Discontinuous; Field pH 9.2 (pH meter);
Bk	1.27 - 1.37 m	Yellowish red (5YR5/8-Moist); , 5YR68, 20-50% ; , 20-50% ; Sandy light clay (Heavy); Moderately moist; Weak consistence; Calcrete, Very strongly cemented, Discontinuous; Field pH 9.2 (pH meter);
D	1.42 - 1.52 m	Yellowish red (5YR5/8-Moist); , 5YR48, 20-50% ; , 20-50% ; Light medium clay; Moderately moist; Weak consistence; Calcrete, Very strongly cemented, Discontinuous;
	1.6 - 1.68 m	Yellowish red (5YR5/8-Moist); , 5YR48, 20-50% ; , 20-50% ; Light clay (Heavy); Weak consistence; Calcrete, Strongly cemented, Discontinuous; Field pH 9.3 (pH meter);
	2.06 - 2.13 m	Yellowish red (5YR5/8-Moist); , 5YR48; Light clay (Heavy); Weak consistence; Calcrete, Strongly cemented, Discontinuous; Field pH 9.3 (pH meter);
	2.69 - 2.79 m	Yellowish red (5YR5/8-Moist); , 5YR48; Light clay (Heavy); Weak consistence; Calcrete, Moderately cemented, Discontinuous;

Morphological Notes

Observation Notes

K1 ON K2:VESICULAR THROUGHOUT 13MM BLEACHED ZONE AT BOTTOM OF A TOP OF B1

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Site Notes
MURRAKOOL

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Laboratory Test Results:

[illegible]

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
0 - 0.08									51D	37	6	7
0.2 - 0.3	0.02A								55D	34	4	7
0.36 - 0.46	0.09A								40D	27	3	23
0.61 - 0.74	1.24A								38D	26	7	27
0.97 - 1.07	21.8A								29D	27	12	31
1.27 - 1.37	21.8A								28D	28	10	33
1.42 - 1.52	14.4A								31D	27	10	33
1.6 - 1.68	27.9A								33D	29	10	27
2.06 - 2.13	23.7A								28D	29	10	32
2.69 - 2.79	33A								30D	28	9	32

[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_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
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
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
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance