

**Project Name:** CAN  
**Project Code:** CAN      **Site ID:** C145      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	H.M. Churchwood	<b>Locality:</b>	Parish Speewa portion 21 80M from west boundary:260M from south west corner
<b>Date Desc.:</b>	11/12/56	<b>Elevation:</b>	85 metres
<b>Map Ref.:</b>	Sheet No. : 7627 1:100000	<b>Rainfall:</b>	325
<b>Northing/Long.:</b>	143.566666666667	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-35.2333333333333	<b>Drainage:</b>	Moderately well drained

**Geology**

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

**Land Form**

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

**Surface Soil Condition (dry):** Soft

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Epicalcareous-Endohypersodic Epipedal Yellow Vertosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay

No analytical data are available but confidence is fair.

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

**Vegetation:** Low Strata - Sod grass, , Mid-dense. \*Species includes - Danthonia species  
Tall Strata - Tree, , Isolated plants. \*Species includes - Eucalyptus largiflorens

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

0 - 0.05 m	Very pale brown (10YR7/3-Moist); ; Light medium clay; 5-10 mm, Angular blocky; Weak grade of structure, 20-50 mm, Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);
0.08 - 0.15 m	Pale yellow (2.5Y7/4-Moist); , 10YR73, 20-50% ; , 20-50% ; Medium clay; 10-20 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter);
0.15 - 0.25 m	Light yellowish brown (10YR6/4-Moist); , 10YR51, 20-50% ; , 20-50% ; Medium clay (Heavy); 2-5 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9.5 (pH meter);
0.25 - 0.36 m	Light yellowish brown (10YR6/4-Moist); , 10YR51, 20-50% ; , 20-50% ; Medium clay (Heavy); 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, distinct; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9.7 (pH meter);
0.46 - 0.56 m	Light yellowish brown (10YR6/4-Moist); , 10YR51, 20-50% ; , 20-50% ; Medium clay (Heavy); Very firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 9.3 (pH meter);
0.66 - 0.76 m	Light yellowish brown (2.5Y6/4-Moist); , 2.5Y72, 20-50% ; , 20-50% ; Medium clay (Heavy); Weak consistence; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);
0.81 - 0.91 m	Pale olive (5Y6/3-Moist); ; Medium clay (Heavy); Weak consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.7 (pH meter);
1.07 - 1.17 m	Pale olive (5Y6/3-Moist); ; Medium clay (Heavy); Weak consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);

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- 1.52 - 1.63 m    Pale olive (5Y6/3-Moist); ; Medium clay (Heavy); Weak consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);
- 2.03 - 2.13 m    Very pale brown (10YR7/4-Moist); , 10YR66, 20-50% ; , 20-50% ; Medium clay (Heavy); Firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);

**Morphological Notes**

**Observation Notes**

VESICULAR TO 40CM

**Site Notes**

MURRAKOOL

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[illegible]

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**Laboratory Analyses Completed for this profile**

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