

Project Name: CAN
Project Code: CAN **Site ID:** C139 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	H.M. Churchwood	Locality:	Parish Bymue: lane between portion 30 & 34 ~1KM from south west corner of 30
Date Desc.:	07/12/56	Elevation:	90 metres
Map Ref.:	Sheet No. : 7527 1:100000	Rainfall:	325
Northing/Long.:	143.425	Runoff:	Moderately rapid
Easting/Lat.:	-35.1083333333333	Drainage:	Moderately well drained

Geology

Exposure Type:	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:	Dunefield
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Lunette	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	0 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Petrocalcic Red Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solonized brown soil
All necessary analytical data are available.			

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Mid Strata - Malle shrub, , . *Species includes - None recorded
 Tall Strata - Tree, , . *Species includes - Eucalyptus species, Pinus species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0.08 - 0.2 m	Strong brown (7.5YR5/6-Moist); ; Sand; Massive grade of structure; Weak consistence; Field pH 8 (pH meter);
0.2 - 0.28 m	Reddish yellow (5YR6/6-Moist); ; Sand; Massive grade of structure; Weak consistence; Field pH 8.3 (pH meter);
0.3 - 0.38 m	Yellowish red (5YR5/8-Moist); , 5YR46; Sandy light clay (Heavy); Weak grade of structure, 100-200 mm, Prismatic; Massive grade of structure; Very firm consistence; Field pH 9.1 (pH meter);
0.46 - 0.51 m	Reddish yellow (7.5YR6/8-Moist); , 2.5YR46; Sandy light clay (Heavy); Very firm consistence; Few cutans, <10% of ped faces or walls coated;
0.61 - 0.66 m	Reddish yellow (7.5YR6/6-Moist); ; Sandy light clay (Heavy); Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9.8 (pH meter);
0.91 - 0.99 m	Reddish yellow (5YR6/8-Moist); ; Sandy light clay (Heavy); Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Calcrete, Weakly cemented, Discontinuous;
1.22 - 1.3 m	Yellowish red (5YR5/8-Moist); ; Sandy light clay (Heavy); Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Calcrete, Moderately cemented, Discontinuous; Field pH 9.7 (pH meter);
1.68 - 1.85 m	Yellowish red (5YR4/8-Moist); ; Sandy light clay (Heavy); Very firm consistence; Common cutans, 10-50% of ped faces or walls coated; Common (10 - 20 %), Calcareous, , Concretions; Calcrete, Moderately cemented, Discontinuous;
2.29 - 2.44 m	Red (2.5YR4/6-Moist); ; Sandy medium clay (Heavy); Very firm consistence; Common cutans, 10-50% of ped faces or walls coated; Field pH 9.2 (pH meter);

Morphological Notes

K1
K2

Observation Notes

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PLEISTOCENE AEOLIANITE - PARNA & SAND: ANCIENT LUNETTE SEEMS TO BE NO K3:0-8CM V. RECENT
ACCESSION:<1CM B HORIZ. V. BL.

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