

Project Name: KOO
Project Code: KOO **Site ID:** C17 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:		Locality:	P24 centre- north:
Date Desc.:	20/07/54	Elevation:	126 metres
Map Ref.:		Rainfall:	380
Northing/Long.:		Runoff:	Slow
Easting/Lat.:		Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous Epipedal Red Vertosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Brown clay
No analytical data are available but confidence is fair.		

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.08 m	Brown (7.5YR5/4-Moist); ; Fine sandy clay loam; Weak grade of structure, 20-50 mm, Platy; Strong grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 0-2%, Quartz, coarse fragments;
B11	0.08 - 0.15 m	Dark reddish brown (5YR3/3-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; 0-2%, Quartz, coarse fragments; Sharp, Wavy change to -
B12	0.15 - 0.33 m	Reddish brown (5YR4/3-Moist); ; Heavy clay; Weak grade of structure, 50-100 mm, Angular blocky; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Gradual change to -
B21	0.41 - 0.58 m	Reddish brown (5YR4/4-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Lenticular; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -
B22	0.58 - 0.71 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Weak grade of structure, 20-50 mm, Lenticular; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -
C11	0.79 - 1.07 m	Light reddish brown (2.5YR6/4-Moist); , 7.5YR56; Medium clay; Weak grade of structure, 20-50 mm, Lenticular; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -
D11	1.52 - 1.68 m	Light yellowish brown (2.5Y6/4-Moist); ; Light clay (Heavy); Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; Gradual change to -

Morphological Notes

Observation Notes

>152 CM CARBONATES DECREASING WHILST SILT INCREASING WITH DEPTH @ FINE MICA AND Fe-Mn STAINING:

Site Notes

COOPER

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Laboratory Test Results:

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

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

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Laboratory Analyses Completed for this profile