

Project Name: KOO
Project Code: KOO **Site ID:** C14 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:		Locality:	P45 west side:
Date Desc.:	08/07/54	Elevation:	128 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous-Endohypersodic Massive Grey Vertosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Grey clay

No analytical data are available but confidence is fair.

Site Disturbance:

Vegetation: Low Strata - Tussock grass, , . *Species includes - Panicum decompositum
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.02 m	White (2.5Y8/2-Moist); ; Light clay; Massive grade of structure; Dry; Firm consistence; Tongued change to -
B11	0.02 - 0.19 m	Light brownish grey (10YR6/2-Moist); ; Heavy clay; Strong grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 10-20 mm, Angular blocky; Moist; Firm consistence; Tongued change to -
B12	0.19 - 0.46 m	Greyish brown (10YR5/2-Moist); ; Heavy clay; Strong grade of structure, 200-500 mm, Prismatic; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; Gradual change to -
D11	0.63 - 0.79 m	Pale olive (5Y6/3-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Platy; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments;
D12	0.79 - 0.94 m	Pale yellow (5Y7/3-Moist); ; Medium clay; Weak grade of structure, 50-100 mm, Platy; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Firm consistence; Gradual change to -
D13	1.68 - 1.83 m	Light yellowish brown (10YR6/4-Moist); ; Medium clay; Moderately moist; Weak consistence; Very few (0 - 2 %), Gypseous, , ; Gradual change to -

Morphological Notes

Observation Notes

168-183CM GYPSUM OCCURRING IN POCKETS:

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	Acidity		
						Cmol (+)/kg			%

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	15 Bar		
m					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile