

Project Name: KOO
Project Code: KOO **Site ID:** C20 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:		Locality:	P28 south west corner:
Date Desc.:	22/07/54	Elevation:	128 metres
Map Ref.:		Rainfall:	380
Northing/Long.:		Runoff:	Slow
Easting/Lat.:		Drainage:	Imperfectly drained

Geology

Exposure Type:	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:	Drainage depression	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous-Endohypersodic Epipedal 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: No effective disturbance other than grazing by hoofed animals

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

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.04 m	Pale brown (10YR6/3-Moist); , 2.5Y72; Light clay; Moderate grade of structure, 2-5 mm, Platy; Moderately moist; Firm consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions;
A12A21	0.04 - 0.11 m	Olive grey (5Y5/2-Moist); , 10YR72; Light clay (Heavy); Weak grade of structure, 10-20 mm, Platy; Dry; Very firm consistence; Few (2 - 10 %), Ferruginous, , Concretions; Diffuse change to -
A22	0.11 - 0.15 m	White (5Y8/2-Moist); , 5YR52; Light clay; Massive grade of structure; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Concretions; Gradual, Tongued change to -
B11	0.15 - 0.25 m	Dark grey (5Y4/1-Moist); ; Heavy clay (Light); Weak grade of structure, 50-100 mm, Angular blocky; Moderately moist; Weak consistence; 2-10%, Quartz, coarse fragments; Sharp, Wavy change to -
B12	0.25 - 0.36 m	Dark grey (5Y4/1-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; Gradual change to -
B12B21	0.36 - 0.46 m	Dark greyish brown (2.5Y4/2-Moist); , 2.5Y52; Heavy clay; Weak grade of structure, 50-100 mm, Angular blocky; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -
B21	0.55 - 0.69 m	Light yellowish brown (2.5Y6/4-Moist); , 2.5Y52; Medium clay (Heavy); Massive grade of structure; Moderately moist; Weak consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Concretions; Common (10 - 20 %), Calcareous, , Concretions; Gradual change to -
B2C	0.79 - 1.02 m	Pale yellow (2.5Y7/4-Moist); , 2.5Y52; Medium clay (Light); Weak grade of structure, 50-100 mm, Lenticular; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, Gravel, coarse fragments; Very few (0 - 2 %), Unidentified, , Concretions; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -

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C11	1.27 - 1.52 m	Pale yellow (2.5Y7/4-Moist); ; Medium clay (Heavy); Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -
D11	1.78 - 1.93 m	Reddish yellow (5YR6/6-Moist); , 2.5Y75; Medium clay (Heavy); Moderately moist; Very firm consistence; Very few (0 - 2 %), Unidentified, , Concretions; Few (2 - 10 %), Calcareous, Very coarse (20 - 60 mm), Concretions;

Morphological Notes

Observation Notes

127-152CM MUCH BLACK STAINING: 178-193CM SLIGHT MICA OCCURING:

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