

Project Name: KOO
Project Code: KOO **Site ID:** C18 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:		Locality:	P24 centre north side:
Date Desc.:	21/07/54	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
Epicalcareous-Endohypersodic Epipedal Brown Vertosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Brown clay
No analytical data are available but confidence is fair.			

Site Disturbance:

Vegetation: Low Strata - Shrub, , . *Species includes - None recorded
 Mid Strata - Tree, , . *Species includes - None recorded
 Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.06 m	Brown (7.5YR5/4-Moist); ; Heavy clay (Light); Strong grade of structure, 5-10 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
A12	0.06 - 0.11 m	Brown (7.5YR5/4-Moist); ; 7.5YR44; Heavy clay (Light); Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very weak consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; Gradual change to -
B11	0.11 - 0.22 m	Brown (7.5YR5/4-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Moist; Firm consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Concretions; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -
B12	0.22 - 0.41 m	Brown (7.5YR5/4-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence; 0-2%, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, , Concretions; Gradual change to -
B13	0.5 - 0.66 m	Brown (7.5YR5/4-Moist); ; Heavy clay; Weak grade of structure, 50-100 mm, Angular blocky; , Lenticular; Moderately moist; Weak consistence; 0-2%, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, , Concretions; Gradual change to -
B14	0.76 - 0.96 m	Brown (7.5YR5/4-Moist); , 10YR54; Heavy clay; Moderately moist; Weak consistence; 0-2%, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to -
	1.47 - 1.63 m	Yellowish brown (10YR5/6-Moist); , 10YR53; Medium clay (Light); Weak consistence; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Concretions; Very few (0 - 2 %), Calcareous, Medium (2 - 6 mm), Concretions;

Morphological Notes

Observation Notes

50-96CM WELL DEVELOPED HORIZONTAL SHEAR FACES: >163CM TEXTURE LIGHTER (MC-LC) WITH DEPTH AND MORE MICA:

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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