

Project Name: KOO
Project Code: KOO **Site ID:** C22 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:		Locality:	Portion 30 north west corner:
Date Desc.:	22/07/54	Elevation:	129 metres
Map Ref.:		Rainfall:	380
Northing/Long.:		Runoff:	Rapid
Easting/Lat.:		Drainage:	Well 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:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Calcic Red Chromosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red-brown earth
No analytical data and little or no knowledge of this soil.			

Site Disturbance:

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

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; Weak grade of structure, 20-50 mm, Platy; Dry; Firm consistence;
A12	0.1 - 0.2 m	Yellowish red (5YR5/7-Moist); ; Sandy medium clay; Massive grade of structure; Moderately moist; Very weak consistence; Moderately plastic; Subplastic; 0-2%, Gravel, coarse fragments; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Concretions; Diffuse change to -
A13	0.2 - 0.3 m	Yellowish red (5YR5/7-Moist); ; Sandy clay loam; Massive grade of structure; Moderately moist; Very weak consistence; Slightly plastic; Subplastic; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Concretions; Gradual change to -
A21	0.3 - 0.41 m	Reddish yellow (5YR7/6-Moist); ; Sandy loam; Massive grade of structure; Few (<1 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Gradual change to -
B11	0.41 - 0.56 m	Weak red (10R4/3-Moist); , 2.5YR58; Heavy clay; Moderate grade of structure, 5-10 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence; Moderately plastic; Subplastic; Diffuse, Wavy change to -
B12	0.46 - 0.66 m	Red (10R4/6-Moist); , 2.5YR58; Heavy clay; Moderate grade of structure, 20-50 mm, Prismatic; Weak grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; Moderately plastic; Subplastic; 0-2%, Quartzite, coarse fragments; Few (2 - 10 %), Calcareous, , Concretions;
B2	0.74 - 0.91 m	Red (10R4/6-Moist); , 2.5YR58; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Angular blocky; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Weak consistence; Very plastic; Subplastic; Common (10 - 20 %), Calcareous, , Concretions; Gradual change to -
B22	0.91 - 1.12 m	Red (10R4/6-Moist); , 2.5YR58; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Angular blocky; Weak consistence; Very plastic; Subplastic; Common (10 - 20 %), Calcareous, Very coarse (20 - 60 mm), Concretions;

Morphological Notes

Observation Notes

>74CM LIME OCCURS IN VERTICAL PIPES: >41CM BLACK STAINING (Mn) INCREASING WITH DEPTH:

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Site Notes

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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		
m					g/g - m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile