

**Project Name:** KOO  
**Project Code:** KOO      **Site ID:** C12      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>		<b>Locality:</b>	
<b>Date Desc.:</b>	07/07/54	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	380
<b>Northing/Long.:</b>		<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>		<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

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

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

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

**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 - 0.08 m	; Sandy loam; Weak grade of structure, 20-50 mm, Platy; Moderately moist; Firm consistence;
A12	0.08 - 0.18 m	; Loam; Massive grade of structure; Few (<1 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Moderately moist; Very weak consistence; Sharp change to -
A21	0.18 - 0.25 m	; Sandy loam (Heavy); Massive grade of structure; Moderately moist; Very weak consistence; Gradual, Smooth change to -
B11	0.25 - 0.46 m	, 2.5YR46; Heavy clay; Strong grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Moderately moist; Weak consistence; Sharp, Smooth change to -
B12	0.46 - 0.63 m	, 5YR58; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; Slightly plastic; Subplastic; 2-10%, Quartz, coarse fragments; Gradual change to -
B21	0.63 - 0.81 m	, 5YR58; Light clay (Light); Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; Moderately plastic; Subplastic; Few (2 - 10 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , ; Gradual change to -
B22	0.81 - 1.02 m	; Clay loam; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , ; Gradual change to -
B23	1.37 - 1.52 m	, 5YR66; Clay loam; Moderately moist; Firm consistence; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; Gradual change to -
D11	1.98 - 2.13 m	, 2.5YR50, 0-2% ; , 0-2% ; Clay loam (Heavy); Moist; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , ; Clear change to -
D12	2.44 - 2.59 m	, 5YR56; Medium clay; Moist; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Gradual change to -

**Morphological Notes**

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

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Laboratory Analyses Completed for this profile