

**Project Name:** SC  
**Project Code:** SC      **Site ID:** C315      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	P.H. Walker	<b>Locality:</b>	
<b>Date Desc.:</b>	07/05/57	<b>Elevation:</b>	25 metres
<b>Map Ref.:</b>	Sheet No. : 9028 1:100000	<b>Rainfall:</b>	1250
<b>Northing/Long.:</b>	150.816666666667	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-34.666666666667	<b>Drainage:</b>	Imperfectly 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>	Non-porous, dense, Basalt

**Land Form**

<b>Rel/Slope Class:</b>	Undulating hills 90-300m 3-	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Moderately inclined
<b>Slope:</b>	9 %	<b>Aspect:</b>	90 degrees

**Surface Soil Condition (dry):** Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Melanic Mesotrophic Grey Kandosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Prairie soil
No analytical data and little or no knowledge of this soil.			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:** Low Strata - Sod grass, , . \*Species includes - Pennisetum clandestinum

**Surface Coarse Fragments:** 2-10%, coarse gravelly, 20-60mm, , Substrate material

**Profile Morphology**

A	0 - 0.15 m	Very dark grey (10YR3/1-Moist); Dark grey (10YR4/1-Dry); ; Silty clay loam; Strong grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, dispersed, Substrate material, coarse fragments; Field pH 6.1 (pH meter);
AB	0.15 - 0.25 m	Very dark grey (10YR3/1-Moist); Dark grey (10YR4/1-Dry); , 10YR32; Silty light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 10-20%, coarse gravelly, 20-60mm, dispersed, Substrate material, coarse fragments; Field pH 6.5 (pH meter);
B1	0.25 - 0.36 m	Dark greyish brown (10YR4/2-Moist); Dark grey (10YR4/1-Dry); ; Silty light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, dispersed, Substrate material, coarse fragments; Field pH 6.6 (pH meter);
B2	0.36 - 0.61 m	Dark greyish brown (10YR4/2-Moist); Brown (10YR4/3-Dry); ; Silty medium clay (Heavy); Massive grade of structure; Moderately moist; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, dispersed, Substrate material, coarse fragments; Field pH 6.3 (pH meter);
B3	0.61 - 0.81 m	Yellowish brown (10YR5/6-Moist); Weak red (2.5YR4/2-Dry); ; Medium heavy clay; Massive grade of structure; Moderately moist; Strong consistence; 20-50%, coarse gravelly, 20-60mm, dispersed, Substrate material, coarse fragments; Field pH 5.8 (pH meter);
C	0.81 - 1.02 m	; Field pH 6.7 (pH meter);

**Morphological Notes**

**Observation Notes**

PERMIAN:UPPER MARINE LATITE

**Site Notes**

JAMBEROO

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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