

**Project Name:** DE  
**Project Code:** DE **Site ID:** C433 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	W.M. MacArthur	<b>Locality:</b>	400M south of south entrance to Moondar State Forest
<b>Date Desc.:</b>	18/11/59	<b>Elevation:</b>	830 metres
<b>Map Ref.:</b>	Sheet No. : 9437 1:100000	<b>Rainfall:</b>	1375
<b>Northing/Long.:</b>	152.618611111111	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-30.24	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>Exposure Type:</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, Granite

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	20 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	90 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	Mottled Dystrophic Red Dermosol	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	All necessary analytical data are available.	<b>Principal Profile Form:</b>	Gn3.14
		<b>Great Soil Group:</b>	Red podzolic soil

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

**Vegetation:** Low Strata - Sod grass, 0.26-0.5m, Closed or dense. \*Species includes - Bothriochloa decipiens  
Tall Strata - Tree, , Sparse. \*Species includes - Eucalyptus obliqua, Eucalyptus fastigata

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, angular, Quartz

**Profile Morphology**

A	0 - 0.15 m	Dark reddish brown (5YR2/2-Moist); ; Loam; Weak grade of structure, Granular; Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Field pH 5.9 (pH meter);
A	0.15 - 0.25 m	; Light clay; , Granular; Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Field pH 5.8 (pH meter);
B	0.25 - 0.6 m	Dark red (10R3/6-Moist); , 10R46, 20-50% ; , 20-50% ; Medium clay; , Granular; Moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Field pH 5.7 (pH meter);
B	0.6 - 0.9 m	Dark red (10R3/6-Moist); , 10R46, 20-50% ; , 20-50% ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments; Field pH 5.5 (pH meter);
B	0.9 - 1.22 m	Dark red (10R3/6-Moist); , 10R46, 20-50% ; , 20-50% ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments;
B	1.22 - 1.83 m	Dark red (10R3/6-Moist); , 10R46, 20-50% ; , 20-50% ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Moist; Weak consistence; 50-90%, fine gravelly, 2-6mm, dispersed, Quartz, coarse fragments;

**Morphological Notes**

**Observation Notes**

SLIGHT DISECTED PLATEAU

**Site Notes**

DORRIGO EBOR

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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 Cmol (+)/kg	Acidity		%

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