

**Project Name:** DE  
**Project Code:** DE **Site ID:** C435 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (NSW)

**Site Information**

<b>Desc. By:</b>	W.M. MacArthur	<b>Locality:</b>	1.6KM along Bald Hills Road from Armidale/Dorrigo Road
<b>Date Desc.:</b>	22/11/59	<b>Elevation:</b>	1370 metres
<b>Map Ref.:</b>	Sheet No. : 9337 1:100000	<b>Rainfall:</b>	1250
<b>Northing/Long.:</b>	152.454166666667	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-30.3519444444445	<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>	Non-porous, dense, Basalt

**Land Form**

<b>Rel/Slope Class:</b>	Undulating low hills 30-90m 3-10%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	30 metres
<b>Elem. Type:</b>	Bench	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	6 %	<b>Aspect:</b>	270 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Mesotrophic Red Ferrosol		<b>Principal Profile Form:</b>	Um6.13
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Chocolate soil
Analytical data are incomplete but reasonable confidence.			

**Site Disturbance:**

**Vegetation:** Low Strata - Sod grass, 0.26-0.5m, Closed or dense. \*Species includes - Bothriochloa decipiens, Unknown species

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

0 - 0.15 m	Dark reddish brown (5YR3/2-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Field pH 5.8 (pH meter);
0.15 - 0.3 m	Dark reddish brown (5YR3/3-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm, Polyhedral; Weak consistence; Field pH 5.7 (pH meter);
0.3 - 0.6 m	Dark reddish brown (2.5YR3/4-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Polyhedral; Weak consistence; Field pH 5.7 (pH meter);
0.6 - 0.91 m	Dark red (2.5YR3/6-Moist); ; Medium heavy clay; Weak grade of structure, 10-20 mm, Subangular blocky; Weak consistence; 2-10%, dispersed, Basalt, coarse fragments; Field pH 5.6 (pH meter);
0.91 - 1.22 m	Dark red (2.5YR3/6-Moist); ; Medium heavy clay; Weak grade of structure, 10-20 mm, Subangular blocky; Weak consistence; 10-20%, dispersed, Basalt, coarse fragments;
1.22 - 1.22 m	; 20-50%, dispersed, Basalt, coarse fragments;

**Morphological Notes**

**Observation Notes**

STEPPED LANDSCAPE:MANY WORMS AND WORM CASTS TO 30CM

**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	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