

Project Name: DE
Project Code: DE **Site ID:** C429 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	W.M. MacArthur	Locality:	~3KM along Meldrum Loop Road from Dorrigo/Armidale Road and 50M south
Date Desc.:	10/12/59	Elevation:	1370 metres
Map Ref.:	Sheet No. : 9337 1:100000	Rainfall:	1500
Northing/Long.:	152.458055555556	Runoff:	Very rapid
Easting/Lat.:	-30.3838888888889	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Non-porous, dense, Basalt

Land Form

Rel/Slope Class:	Rolling low hills 30-90m 10-	Pattern Type:	Low hills
Morph. Type:	Upper-slope	Relief:	50 metres
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	10 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Dystrophic Red Ferrosol		Principal Profile Form:	Gn4.11
ASC Confidence:		Great Soil Group:	Krasnozem
No analytical data are available but confidence is fair.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None recorded
Tall Strata - Tree, , Isolated plants. *Species includes - Eucalyptus pauciflora

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.15 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam; Weak grade of structure, Granular; Weak consistence; Field pH 5.5 (pH meter);
0.15 - 0.3 m	Dark reddish brown (5YR3/4-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence; Field pH 5.3 (pH meter);
0.3 - 0.6 m	Dark reddish brown (5YR3/4-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence; Field pH 5.2 (pH meter);
0.6 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence; Field pH 5.2 (pH meter);
0.9 - 1.22 m	Yellowish red (5YR3/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Weak consistence;

Morphological Notes

Observation Notes

BASALT (PORPHYRIC)

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

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Laboratory Analyses Completed for this profile