

Project Name: MEA
Project Code: MEA **Site ID:** H110 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	100m from north end of Pine Lake:
Date Desc.:	26/11/54	Elevation:	1189 metres
Map Ref.:		Rainfall:	813
Northing/Long.:	146.7	Runoff:	No runoff
Easting/Lat.:	-42.7575	Drainage:	Very poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Soil pit, 0.4 m deep,Dolerite

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plateau
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Cliff-foot slope	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
No Available Class Acidic Fibric Organosol		Principal Profile Form:	O
ASC Confidence:		Great Soil Group:	Acid peat
All necessary analytical data are available.			

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Very dark brown (10YR2/2-Moist); ; Massive grade of structure; AbundantDiffuse change to -
0.1 - 0.25 m	Black (10YR2/1-Moist); ; Massive grade of structure;
0.25 - 0.36 m	Black (10YR2/1-Moist); ; Loam (Fibric); Massive grade of structure;

Morphological Notes

Observation Notes

AT 36CM FLOOR OF DOLERITE BOULDERS:

Site Notes

QUAMBY

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	4.5A							71C		
0.1 - 0.25	4.7A		0.4H	2.7	0.41	0.18	129H			
0.25 - 0.36	5A							56C		

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			%		
0 - 0.1		35.9D										
0.1 - 0.25		29.7D		0.076D	1.42A							
0.25 - 0.36		16.8D							<1B	6	21	30

[illegible]

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Laboratory Analyses Completed for this profile

15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15G_C_H1	Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A_HCL	Total element - P(%) - By boiling HCl
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette