

Project Name: MEA
Project Code: MEA **Site ID:** H175 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	4.8KM south east of Quamby Bluff .4KM east of Lake Highway:
Date Desc.:	01/10/58	Elevation:	826 metres
Map Ref.:		Rainfall:	1020
Northing/Long.:	146.720833333333	Runoff:	Rapid
Easting/Lat.:	-41.6844444444445	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Soil pit, 0.8 m deep,Sandstone

Land Form

Rel/Slope Class:	Steep mountains >300m 32-56%	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	914 metres
Elem. Type:	Scarp	Slope Category:	Moderately inclined
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Dystrophic Brown Kandosol		Principal Profile Form:	Gn2.61
ASC Confidence:		Great Soil Group:	Brown podzolic soil
All necessary analytical data are available.			

Site Disturbance: No effective disturbance. Natural

Vegetation:

Tall Strata - Tree, , . *Species includes - Eucalyptus delegatensis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

0 - 0.02 m	Very dark grey (10YR3/1-Moist); ; Sandy loam; Weak grade of structure, <2 mm, Granular; Weak consistence; 2-10%, cobbly, 60-200mm, Sandstone, coarse fragments; Diffuse change to -
0.02 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Weak grade of structure, 2-5 mm, Subangular blocky; Weak consistence; 0-2%, cobbly, 60-200mm, Sandstone, coarse fragments; Diffuse change to -
0.09 - 0.18 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Weak grade of structure, 2-5 mm, Subangular blocky; Weak consistence; 20-50%, cobbly, 60-200mm, Sandstone, coarse fragments; CommonDiffuse change to -
0.18 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); , 10YR33; Sandy loam (Heavy); Massive grade of structure; Weak consistence; 10-20%, cobbly, 60-200mm, Sandstone, coarse fragments; Diffuse change to -
0.3 - 0.46 m	Brown (7.5YR4/4-Moist); , 10YR41; Sandy clay loam; Massive grade of structure; Weak consistence; 10-20%, cobbly, 60-200mm, Sandstone, coarse fragments; Clear change to -
0.47 - 0.61 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Weak consistence; 2-10%, cobbly, 60-200mm, Sandstone, coarse fragments; Diffuse change to -
0.61 - 0.76 m	Strong brown (7.5YR5/8-Moist); ; Sandy clay loam; Massive grade of structure; Weak consistence; 2-10%, cobbly, 60-200mm, Sandstone, coarse fragments;
0.76 - 0.86 m	;

Morphological Notes

Fairly hard yellow-grey micaceous sandstone:

Observation Notes

9-18CM SLIGHT GLEYING AROUND ROOTS:18-46CM MOTTLE PROBABLY GLEYING OR WORM CASTS:

Site Notes

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QUAMBY

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15E1_CA	Exchangeable bases (Ca2+,Mg2+,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
15G_C_H1	Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A_HCL	Total element - P(%) - By boiling HCl
P10_GRAV	Gravel (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette