

**Project Name:** MEA  
**Project Code:** MEA      **Site ID:** H176      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (TAS)

**Site Information**

<b>Desc. By:</b>	K.D. Nicholls	<b>Locality:</b>	8.1KM SSW of Meander near loading ramp on logging track 3.5KM from bridge over Meander River near sawmill:
<b>Date Desc.:</b>	02/10/58	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	1070
<b>Northing/Long.:</b>	146.584722222222	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-41.7125	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Soil pit, 0.86 m deep,Dolerite

**Land Form**

<b>Rel/Slope Class:</b>	Rolling mountains >300m 10-32%	<b>Pattern Type:</b>	Plateau
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Scarp	<b>Slope Category:</b>	Moderately inclined
<b>Slope:</b>	10.5 %	<b>Aspect:</b>	0 degrees

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Ferrosol		<b>Principal Profile Form:</b>	Gn3.11
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Krasnozern
All necessary analytical data are available.			

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:** Low Strata - Fern, 0.51-1m, Mid-dense. \*Species includes - None recorded  
Tall Strata - Tree, , Sparse. \*Species includes - Eucalyptus obliqua, Eucalyptus viminalis

**Surface Coarse Fragments:** 20-50%, bouldery, 600mm-2m, angular, Dolerite

**Profile Morphology**

0 - 0.01 m	Very dark brown (10YR2/2-Moist); ; Loam; Moderate grade of structure, <2 mm, Granular; Weak consistence; 10-20%, Dolerite, coarse fragments; Sharp, Wavy change to -
0.02 - 0.12 m	Dark reddish brown (5YR3/4-Moist); ; Clay loam; Moderate grade of structure, <2 mm, Granular; Weak consistence; 10-20%, Dolerite, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions; Diffuse change to -
0.12 - 0.23 m	Reddish brown (5YR4/4-Moist); ; Light clay; Weak grade of structure, <2 mm, Granular; Weak consistence; 2-10%, Dolerite, coarse fragments; Clear change to -
0.23 - 0.38 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Weak grade of structure, <2 mm, Subangular blocky; Very weak consistence; 2-10%, Dolerite, coarse fragments; Diffuse change to -
0.38 - 0.56 m	Yellowish red (5YR4/8-Moist); ; Medium clay; Weak grade of structure, 2-5 mm, Subangular blocky; Very weak consistence; 0-2%, Dolerite, coarse fragments; Diffuse change to -
0.56 - 0.74 m	Yellowish red (5YR5/8-Moist); ; Medium clay; Weak grade of structure, 2-5 mm, Angular blocky; Weak consistence; 2-10%, Dolerite, coarse fragments; Diffuse change to -
0.74 - 0.86 m	Strong brown (7.5YR5/8-Moist); ; Medium clay; 2-10%, Dolerite, coarse fragments; Diffuse change to -
0.86 - 0.96 m	;

**Morphological Notes**

Probably on dolerite boulder:

**Observation Notes**

0-1CM <50% CHARCOAL:74-86CM MEALY CLAY (GRITTY) WITH MUCH SOFT YELLOWISH W'D ROCK FRAGMENTS:

**Site Notes**

QUAMBY

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**Laboratory Analyses Completed for this profile**

12_HCL_FE	Total element - Fe(%) - Total acid(HCl) extractable Fe
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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
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
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
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