

Project Name: MEA
Project Code: MEA **Site ID:** H197 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	1.6KM west of Deloraine property "Westhorpe":1.4KM north from the joining two fence lines south of Mole Ck H' way:
Date Desc.:	13/05/60	Elevation:	274 metres
Map Ref.:		Rainfall:	990
Northing/Long.:	146.6375	Runoff:	Slow
Easting/Lat.:	-41.5194444444445	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Basalt

Land Form

Rel/Slope Class:	Rolling hills 90-300m 10-32%	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Ferrosol		Principal Profile Form:	Gn4.12
ASC Confidence:		Great Soil Group:	Krasnozern

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.1 m	Dusky red (2.5YR3/2-Moist); ; Loam; Moderate grade of structure, <2 mm, Granular; Moist; Very weak consistence; 10-20%, Gravel, coarse fragments; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Concretions; Diffuse change to -
	0.1 - 0.18 m	Dusky red (2.5YR3/2-Moist); ; Loam (Heavy); Moderate grade of structure, <2 mm, Granular; Very weak consistence; 2-10%, Gravel, coarse fragments; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Concretions; Clear change to -
B	0.2 - 0.3 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; Moderate grade of structure, <2 mm, Granular; Moist; Weak consistence; 2-10%, Gravel, coarse fragments; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Concretions; Diffuse change to -
	0.3 - 0.43 m	Dark red (2.5YR3/5-Moist); ; Clay loam (Heavy); Moderate grade of structure, <2 mm, Granular; Weak consistence; 20-50%, Gravel, coarse fragments; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Concretions; Diffuse change to -
	0.43 - 0.56 m	Dark red (2.5YR3/5-Moist); ; Clay loam (Heavy); Weak grade of structure, <2 mm, Granular; Weak consistence; 2-10%, Gravel, coarse fragments; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Concretions; Clear change to -
	0.56 - 0.71 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; Weak grade of structure, <2 mm, Subangular blocky; Weak consistence; 2-10%, Gravel, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Concretions; Diffuse change to -
	0.71 - 0.84 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; Weak grade of structure, <2 mm, Subangular blocky; Weak consistence; 2-10%, Gravel, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Concretions; Diffuse change to -
	0.84 - 0.96 m	Dark red (2.5YR3/6-Moist); ; Heavy clay; Weak grade of structure, <2 mm, Subangular blocky; Weak consistence; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Concretions;
	0.96 - 1.06 m	;

Morphological Notes

Soil only between continuous floaters:

Observation Notes

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CONCRETIONS ARE BLACK: BASALT FLOATERS (PLATY <600MM) THROUGHOUT PROFILE:

Site Notes

QUAMBY

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

12_HCL_FE	Total element - Fe(%) - Total acid(HCl) extractable Fe
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
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 (%)
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette