

Project: Organic Soils Mapping

Site Id: OSM034

Site Information

Easting: 430000
Northing: 5339702
Describer: R Moreton
Date: 20-February-2019

Runoff: Moderately rapid
Permeability: Moderately permeable
Drainage: Moderately well drained
Observation Type: Hand Auger boring

Depth to Watertable (m): No free water
Depth to Substrate (m): 0.28
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Gently inclined (3-10%)
Element Morph. Type: No Data
Element Type: Hillslope
Slope: 6 %
Inundation Frequency: No Data
Rainfall: 1968 mm
Erosion: No Data

Landform Pattern (300m radius)

Pattern Type: Low hills
Pattern Slope Class: Moderately inclined (10-32%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 240 degrees
Elevation: 781 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Fusic, Tenosolic, Oxyaquic, **Hydrosol**
ASC Family Criteria: Moderately thick, non-gravelly, peaty organic horizon, -, shallow soil depth, non-water repellent surface soil

ASC Confidence: Necessary analytical and/or morphological data are incomplete but are sufficient to classify the soil with a reasonable degree of confidence.

ASC Version: 3rd Edition

Morphological Description



Horizon	Depth	Description
P1	0 - 6 cm	Black (7.5YR 2.5/1) moist fibric peat; no mottles; abundant fine (1-2mm) roots. EC 0.34 dS/m; pH 4.72.
2A1	6 - 28 cm	Black (10YR 2/1) moist sapric loam; moderate, 2-5 mm, moderate granular structure; no mottles; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; common very fine (<1mm) roots. EC 0.06 dS/m; pH 4.91.
R	28 - 29 cm	

Morphological Notes: Nil.

Vegetations Notes:

TASVEG code: MBE/HSE - Eastern buttongrass moorland.

Vegetation description: *Gymnoschoenus sphaerocephalus*, *Gleichenia alpina*

Site Notes:

Location: Cuvier Valley, Lake St Clair

Site and Observation Notes: Coral fern dominant patch. Shallow organic soil.



The site is in a *Gleichenia* bog (HSE) but this is a very small patch of vegetation within a broader buttongrass moorland in which *Gymnoschoenus* has a high cover (MBE).

