

Project: Organic Soils Mapping

Site Id: OSM021

Site Information

Easting: 430493
Northing: 5328419
Describer: R Moreton
Date: 30-January-2019

Runoff: Slow
Permeability: Very slowly permeable
Drainage: Imperfectly drained
Observation Type: Hand Auger boring

Depth to Watertable (m): No free water
Depth to Substrate (m): 0.60
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Very gently inclined (1-3%)
Element Morph. Type: No Data
Element Type: Plain
Slope: 3 %
Inundation Frequency: No Data
Rainfall: 1959 mm
Erosion: No Data

Landform Pattern (300m radius)


Pattern Type: Plain
Pattern Slope Class: Gently inclined (3-10%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 358 degrees
Elevation: 752 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Terric, Acidic, Sapric, **Organosol** (Definition 1)
ASC Family Criteria: Thick uppermost organic materials, non-gravelly surface horizon, hemic peat surface organic materials overlying clay loamy textured material, moderate soil depth
ASC Confidence: All necessary analytical and/or morphological data are available for the profile being classified
ASC Version: 3rd Edition

Morphological Description

Horizon	Depth	Description
O2	2 - 0 cm	Very dark grey (10YR 3/1) moist, hemic-sapric litter; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; many very fine (<1mm) roots.
P21	0 - 30 cm	Black (10YR 2/1) moist, sapric peat; moderate, 2-5 mm, moderate polyhedral structure; few (2-10%), fine (<5mm), faint dark brown (7.5YR 3/4) mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few fine (1-2mm) roots. EC 0.21 dS/m; pH 4.3.
P22	30 - 55 cm	Very dark brown (10YR 2/2) moist, sandy peat; weak, 2-5 mm, weak polyhedral structure; few (2-10%), fine (<5mm), faint dark brown (7.5YR 3/4) mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few fine (1-2mm) roots. EC 0.08 dS/m; pH 4.53.
2B2	55 - 60 cm	Dark grey (10YR 4/1) moist, sandy clay loam; massive structure; few (2-10%), fine (<5mm), distinct dark brown (7.5YR 3/3) mottles; common very fine (<1mm) roots.
2R	60 - 61 cm	



Morphological Notes

Horizon: 2B2
Description: Sandy Clay Loam. Gritty texture

Vegetation Notes:

TASVEG code: MBE - Eastern buttongrass moorland.
Vegetation description: *Gymnoschoenus sphaerocephalus*

Site Notes:

Location: Harback's Road, Lakes St Clair area.
Site and Observation Notes: Buttongrass plain. Sloping.



Classed as MBE but borderline MBP vegetation classification, because a good mix of other species present - buttongrass cover is still overwhelming other species.

