

Project: Organic Soils Mapping

Site Id: OSM036

Site Information

Easting: 425468
Northing: 5350207
Describer: R Moreton
Date: 21-February-2019

Runoff: Very slow
Permeability: Very slowly permeable
Drainage: Very poorly drained
Observation Type: Hand Auger boring

Depth to Watertable (m): 0.25
Depth to Substrate (m): 0.45
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Level (<1%)
Element Morph. Type: No Data
Element Type: Drainage depression
Slope: 0 %
Inundation Frequency: No Data
Rainfall: 2166 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: 251 degrees
Elevation: 781 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Rudaceous, Basic, Sapric, **Organosol** (Definition 1)
ASC Family Criteria: Thick uppermost organic materials, non-gravelly surface horizon, fibric peat surface organic materials, organics directly overlying stones, shallow 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
P1	0 - 5 cm	Black (7.5YR 2.5/1) moist, fibric peat; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; common fine (1-2mm) roots. EC 0.36 dS/m; pH 5.56.
P21	5 - 25 cm	Very dark brown (10YR 2/2) moist, sapric peat; weak, 2-5 mm, weak polyhedral structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few very fine (<1mm) roots. EC 0.17 dS/m; pH 5.84.
P22	25 - 45 cm	Black (10YR 2/1) moist, sapric peat; massive structure; very few (<2%), fine (<5mm), faint very dark greyish brown (10YR 3/2) mottles; few very fine (<1mm) roots. EC 0.08 dS/m; pH 5.84.
R	45 - 46 cm	Common (10-20%), very strong, subangular, dispersed dolerite coarse gravel (20-60mm).

Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: RMS - Nothofagus-Phyllocladus short rainforest.

Vegetation description: Nothofagus cunninghamii, Hypolepus rugosula

Site Notes:

Location: Overland Track, Lake St Clair

Site and Observation Notes: Rainforest depression



Open woodland structure dominated by myrtle-beech with ferns and a mossy herbfield ground cover.

