

Project: Organic Soils Mapping

Site Id: OSM043

Site Information

Easting: 463532
Northing: 5365002
Describer: R Moreton
Date: 21-March-2019

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

Depth to Watertable (m): No free water
Depth to Substrate (m): 0.50
Surface Coarse Fragments: 1. Very few (<2%), Very strong, Subrounded, Dolerite, Boulders (600mm-2m)

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: 1093 mm
Erosion: No Data

Landform Pattern (300m radius)

Pattern Type: Plain
Pattern Slope Class: Very gently inclined (1-3%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 170 degrees
Elevation: 1151 m
Mapped Geology: 250k Geology: Basalt (tholeiitic to alkalic) and related pyroclastic rocks.

Soil Classification

Australian Soil Classification: Modic, Acidic, Fibric, **Organosol** (definition 2)
ASC Family Criteria: Moderately thick uppermost organic materials, non-gravelly surface horizon, fibric peat surface organic materials overlying loamy textured material, moderately deep 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
P11	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 very fine (<1mm) roots. EC 0.79 dS/m; pH 5.18.
P12	5 - 15 cm	Very dark brown (7.5YR 2.5/2) moist fibric peat; weak, <2 mm, weak subangular blocky structure; no mottles; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; abundant very fine (<1mm) roots. EC 0.27 dS/m; pH 5.28.
P21	15 - 27 cm	Black (10YR 2/1) moist loamy peat; weak, 2-5 mm, weak subangular blocky structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; common fine (1-2mm) roots. EC 0.07 dS/m; pH 5.23.
2B2	27 - 44 cm	Very dark brown (10YR 2/2) moist sapric loam; moderate, 2-5 mm, moderate subangular blocky structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few fine (1-2mm) roots. EC 0.02 dS/m; pH 5.39.
2B3	44 - 50 cm	Dark brown (10YR 3/3) moist light clay; moderate, 5-10 mm, moderate subangular blocky structure; few (2-10%), fine (<5mm), faint dark yellowish brown (10YR 3/4) mottles; few fine (1-2mm) roots.
R	50 - 51 cm	No mottles; many (20-50%), very strong, subrounded, stratified dolerite cobbles (60-200mm).

Morphological Notes

Vegetation Notes:

TASVEG code: HSE - Eastern alpine sedgeland.

Vegetation description: Baloskion australe, Empodisma minus, Poa sp., Abrotanella forsteroides

Site Notes:

Location: Alongside of track into Double Lagoon

Site and Observation Notes: Mid-drainage area



Site shows matrix of HCM (cushion moorland), HSE (Baloskion and Empodisma dominated sedgeland) and MGH (Grassy sedgeland)

