

Project: Organic Soils Mapping

Site Id: OSM010

Site Information

Easting: 447016
Northing: 5386914
Describer: R Moreton
Date: 22-October-2018

Runoff: No runoff
Permeability: Very slowly permeable
Drainage: Very poorly drained
Observation Type: Hand Auger boring

Depth to Watertable (m): 0.20
Depth to Substrate (m): 0.64
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Level (<1%)
Element Morph. Type: No Data
Element Type: Swamp
Slope: 0 %
Inundation Frequency: No Data
Rainfall: 1856 mm
Erosion: No Data

Landform Pattern (300m radius)


Pattern Type: Hills
Pattern Slope Class: Steep (32-56%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 232 degrees
Elevation: 1090 m
Mapped Geology: 250k Geology: Dolerite (tholeiitic) with locally developed granophyre.

Soil Classification

Australian Soil Classification: Modic, Acidic, Sapric, **Organosol** (Definition 1)
ASC Family Criteria: Thick uppermost organic materials, non-gravelly surface horizon, Fibric peat surface organic materials overlying clayey 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
O1	4 - 0 cm	Reddish black (2.5YR 2.5/1) moist; fibric litter; no structure; abundant very fine (<1mm) roots. EC 0.51 dS/m; pH 5.35.
P1	0 - 20 cm	Black (10YR 2/1) moist, fibric peat; massive structure; few (<1 per 0.01m ²), medium (2-5mm) macropores; many medium (2-5mm) roots. EC 0.2 dS/m; pH 5.00.
P2	20 - 40 cm	Black (N 2.5/) moist, sapric peat; massive structure; few (<1 per 100mm ²), fine (1-2mm) macropores; common medium (2-5mm) roots. EC 0.09 dS/m; pH 4.96.
2B2	40 - 60 cm	Brown (10YR 4/3) moist, light clay; weak, 2-5 mm, polyhedral structure; very few (<2%), medium (5-15mm), faint brown (10YR 5/3) mottles; few (<1 per 100mm ²), fine (1-2mm) macropores; common medium (2-5mm) roots. EC 0.05 dS/m; pH 5.37.
R	60 - 61 cm	Many (20-50%), very strong, subrounded, dispersed dolerite stones (200-600mm).



Morphological Notes: Nil

Vegetation Notes:

TASVEG code: HSE - Eastern alpine sedgeland.

Vegetation description: Baloskion australe

Site Notes:

Location: Lake Mackenzie Road

Site and Observation Notes: Baloskion pool complexes



As grasses are not conspicuous - this vegetation is best classified as HSE rather than MGH vegetation unit.

