

Project: Organic Soils Mapping

Site Id: OSM014

Site Information

Easting: 448172
Northing: 5385137
Describer: R Moreton
Date: 23-October-2018

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

Depth to Watertable (m): 0.10
Depth to Substrate (m): 0.74
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: 1852 mm
Erosion: No Data

Landform Pattern (300m radius)

Pattern Type: Low hills
Pattern Slope Class: Gently inclined (3-10%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 26 degrees
Elevation: 1122 m
Mapped Geology: 250k Geology: Dolerite (tholeiitic) with locally developed granophyre.

Soil Classification

Australian Soil Classification: Lithic, Acidic, Sapric, **Organosol** (Definition 1)
ASC Family: Thick uppermost organic materials, non-gravelly, fibric peat surface organic materials, organics directly overlying rock, 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
O1	4 - 0 cm	Reddish black (10R 2.5/1) moist, fibric litter; no structure; no mottles; many very fine (<1mm) roots. EC 0.7 dS/m; pH 4.51.
P1	0 - 18 cm	Black (10YR 2/1) moist, fibric peat; massive structure; no mottles; many very fine (<1mm) roots. EC 0.34 dS/m; pH 4.59.
P21	18 - 45 cm	Black (10YR 2/1) moist, sandy peat; weak, 5-10 mm, weak polyhedral structure; no mottles; common very fine (<1mm) roots. EC 0.09 dS/m; pH 4.86.
P22	45 - 70 cm	Dark Grey (10YR 4/1) moist, sandy peat; weak, 5-10 mm, weak polyhedral structure; no mottles; common very fine (<1mm) roots. EC 0.09 dS/m; pH 4.92.
R	70 - 71 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, Richea gunnii, Gleichenia alpina

Site Notes:

Location: Ritters Road

Site and Observation Notes: Baloskion pool complexes



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

