

Project: Organic Soils Mapping

Site Id: OSM008

Site Information

Easting: 442943
Northing: 5387692
Describer: R Moreton
Date: 22-October-2018

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

Depth to Watertable (m): 0.40
Depth to Substrate (m): 0.56
Surface Coarse Fragments: Very few (<2%), Very strong, Rounded, Dolerite, Boulders (600mm-2m)

Landform Information

Landform Element (20m radius)

Element Slope Class: Very gently inclined (1-3%)
Element Morph. Type: No Data
Element Type: Drainage depression
Slope: 2 %
Inundation Frequency: No Data
Rainfall: 1881 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: 88 degrees
Elevation: 1139 m
Mapped Geology: 250k Geology: Glacial, periglacial and fluvioglacial sediments including till and interglacial deposits.

Soil Classification

Australian Soil Classification: Terric, Acidic, Sapric, **Organosol** (Definition 1)
ASC Family: Moderately thick uppermost organic materials, non-gravelly surface horizon, sapric peat surface organic materials overlying clayey 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
O1	4 - 0 cm	Very dusky red (2.5YR 2.5/2) moist, fibric litter; no structure; no mottles; common very fine (<1mm) roots. EC 0.3 dS/m; pH 4.92.
P2	0 - 40 cm	Black (N 2.5/) moist, sapric peat; massive structure; no mottles; few very fine (<1mm) roots. EC 0.09 dS/m; pH 4.68.
2B3	40 - 52 cm	Dark yellowish brown (10YR 4/4) moist, light clay; moderate, 5-10 mm, moderate subangular blocky structure; few (2-10%), medium (5-15mm), distinct yellowish brown (10YR 5/6) mottles; few fine (1-2mm) roots; few (2-10%), strong, subangular, dispersed dolerite fine gravel (2-6mm). EC 0.02 dS/m; pH 5.04.
R	52 - 53 cm	Many (20-50%), very strong, subrounded, dispersed dolerite stones (200-600mm).

Morphological Notes

Horizon: 2B3
Description: Clay at 44cm from surface.

Vegetation Notes:

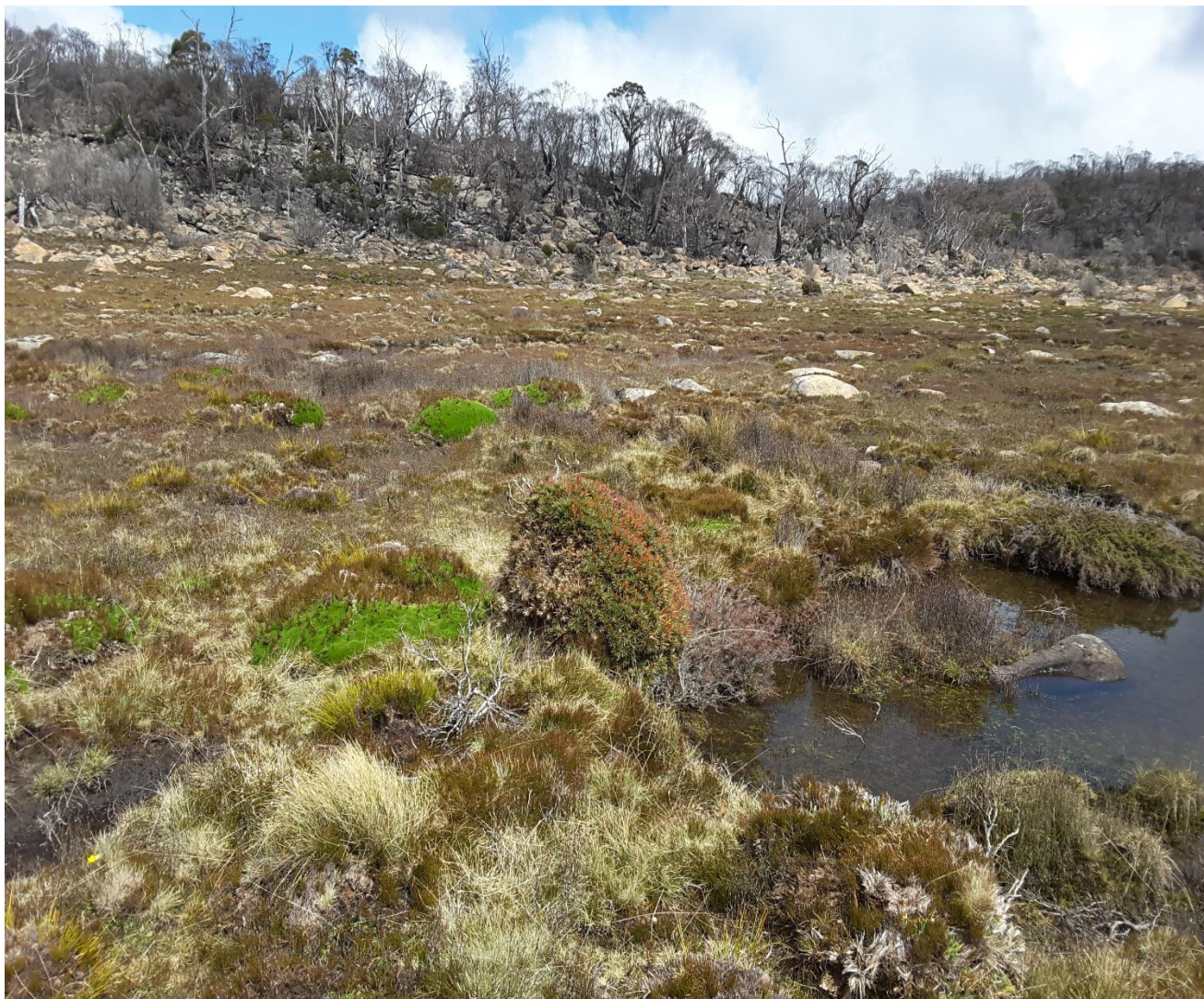
TASVEG code: HSE - Eastern alpine sedgeland.

Vegetation description: *Lepidosperma filiforme*, *Poa* sp., *Baloskion australe*, *Astelia alpina*, *Empodisma minus*, *Abrotanella forsteroides*, *Ranunculus* sp.

Site Notes:

Location: Devil's Gullet area

Site and Observation Notes: Organic profile over dolerite. Some sedgy grassland



Although grasses are present along with *Lepidosperma*, the *Baloskion* and *Astelia* just push this into HSE rather than MGH vegetation mapping unit.

