

Project: Organic Soils Mapping

Site Id: OSM039

Site Information

Easting: 466519
Northing: 536529
Describer: R Moreton
Date: 20-March-2019

Runoff: Slow
Permeability: Slowly permeable
Drainage: Poorly drained
Observation Type: Hand Auger boring

Depth to Watertable (m): No free water
Depth to Substrate (m): 0.40
Surface Coarse Fragments: 1. Very few (<2%), Strong, Subrounded, Dolerite, Cobbles (60-200mm)
2. Very few (<2%), Strong, Subrounded, Dolerite, Stones (200-600mm)

Landform Information

Landform Element (20m radius)

Element Slope Class: Very gently inclined (1-3%)
Element Morph. Type: No Data
Element Type: Drainage depression
Slope: 3 %
Inundation Frequency: No Data
Rainfall: 1155 mm
Erosion: No Data

Landform Pattern (300m radius)

Pattern Type: Plain
Pattern Slope Class: Gently inclined (3-10%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 240 degrees
Elevation: 1147 m
Mapped Geology: 250k Geology: Dolerite (tholeiitic) with locally developed granophyre.

Soil Classification

Australian Soil Classification: Modic, Acidic, Sapric, **Organosol** (Definition 2)
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: Necessary analytical and/or morphological data are incomplete but are sufficient to classify the soil with a reasonable degree of confidence.
ASC Version: 3rd Edition

Morphological Description



Horizon	Depth	Description
P11	0 - 4 cm	Brown (7.5YR 4/3) moist, fibric peat; no mottles; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; many very fine (<1mm) roots. EC 0.94 dS/m; pH 4.73.
P12	4 - 16 cm	V. dark brown (7.5YR 2.5/2) moist, fibric peat; weak, <2 mm, weak polyhedral structure; no mottles; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; common very fine (<1mm) roots. EC 0.22 dS/m; pH 5.15.
P2	16 - 36 cm	Black (7.5YR 2.5/1) moist, loamy peat; weak, <2 mm, weak polyhedral structure; no mottles; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; few fine (1-2mm) roots. EC 0.08 dS/m; pH 5.32.
2B3	36 - 42 cm	Dark brown (7.5YR 3/3) moist, light clay; moderate structure; no mottles; many (20-50%), very strong, subrounded, dispersed dolerite cobbles (60-200mm); many (20-50%), very strong, subrounded, dispersed dolerite stones (200-600mm).
R	42 - 43 cm	

Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: HHE - Eastern alpine heathland.

Vegetation description: *Ozothamnus hookeri*, *Richea scoparia*, *Abrotanella forsteroides*, *Empodisma minus*

Site Notes:

Location: Lake Augusta Road

Site and Observation Notes: Wetland



Shrub cover is greater than 50% and grass cover in the ground layer is <25%, therefore this is alpine heathland not grassland or highland grassy sedgeland. Fire might convert to grassy sedgeland or sedgeland.

