

Project: Organic Soils Mapping

Site Id: OSM048

Site Information

Easting: 459424
Northing: 5363304
Describer: R Moreton
Date: 22-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): 0.87
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Very gently inclined (1-3%)
Element Morph. Type: No Data
Element Type: Riseslope
Slope: 1 %
Inundation Frequency: No Data
Rainfall: 944 mm
Erosion: No Data

Landform Pattern (300m radius)


Pattern Type: Rises
Pattern Slope Class: Gently inclined (3-10%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 160 degrees
Elevation: 1150 m
Mapped Geology: 250k Geology: Dolerite (tholeiitic) with locally developed granophyre.

Soil Classification

Australian Soil Classification: Peaty, Chromosolic, Redoxic, **Hydrosol**
ASC Family Criteria: Moderately thick, non-gravelly, peaty organic horizon, clayey B horizon, moderately deep soil depth, water repellent surface soil
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
P1	0 - 7 cm	Dark brown (7.5YR 3/2) moist fibric peat; weak, <2 mm, weak subangular blocky structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; common very fine (<1mm) roots. EC 0.33 dS/m; pH 4.13.
P2	7 - 24 cm	Black (10YR 2/1) moist sapric peat; weak, 2-5 mm, weak subangular blocky structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few very fine (<1mm) roots. EC 0.12 dS/m; pH 4.55.
2B2	24 - 57 cm	Dark yellowish brown (10YR 4/4) moist light clay; massive structure; few (2-10%), fine (<5mm), distinct dark yellowish brown (10YR 4/6) mottles; few fine (1-2mm) roots; few (2-10%), very strong, rounded, dispersed dolerite coarse gravel (20-60mm). EC 0.16 dS/m; pH 5.93.
2B3	57 - 87 cm	Yellowish brown (10YR 5/4) moist light medium clay; massive structure; common (10-20%), very coarse (>30mm), distinct dark yellowish brown (10YR 4/6) mottles; few fine (1-2mm) roots; common (10-20%), very strong, subrounded, dispersed dolerite cobbles (60-200mm). EC 0.01 dS/m; pH 6.29.
R	87 - 88 cm	



Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: HHE - Eastern alpine heathland.

Vegetation description: *Richea acerosa*, *Poa* sp.

Site Notes:

Location: Lake Kay Road

Site and Observation Notes: This site paired with Alpine site 1083.



Dense *Richea acerosa* heathland - with grassy understorey

