

Project: Organic Soils Mapping

Site Id: OSM047

Site Information

Easting: 458799
Northing: 5362593
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): 0.44
Surface Coarse Fragments: 1. Very few (<2%), Very 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: Plain
Slope: 1 %
Inundation Frequency: No Data
Rainfall: 936 mm
Erosion: No Data

Landform Pattern (300m radius)

Pattern Type: Plain
Pattern Slope Class: Very gently inclined (1-3%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 200 degrees
Elevation: 1146 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Terric, Acidic, Sapric, **Organosol** (Definition 2)
ASC Family Criteria: Moderately thick uppermost organic materials, non-gravelly surface horizon, hemic peat surface organic materials overlying clay loamy textured material, shallow 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
P21	0 - 6 cm	Dark reddish brown (5YR 3/3) moist hemic peat; moderate, 2-5 mm, moderate granular structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few very fine (<1mm) roots. EC 0.01 dS/m; pH 5.65.
P22	6 - 26 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 0.32 dS/m; pH 4.5.
2B2	26 - 44 cm	Dark brown (10YR 3/3) moist silty clay loam; massive structure; few (2-10%), medium (5-15mm), distinct yellowish brown (10YR 5/6) mottles; few fine (1-2mm) roots. EC 0.07 dS/m; pH 4.89.
R	44 - 45 cm	Common (10-20%), very strong, subrounded, dispersed dolerite cobbles (60-200mm).

Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: HSE - Eastern alpine sedgeland.

Vegetation description: Empodisma minus, Poa sp.

Site Notes:

Location: Lake Kay Road. South of Lake Botsford

Site and Observation Notes: This site paired with Alpine site 1082. Similar to OSM040



Dense cover of Empodisma hummocks with Poa tussocks more sparsely distributed through. In distance Poa tussock grassland evident

