

Project: Organic Soils Mapping

Site Id: OSM033

Site Information

Easting: 429421
Northing: 5340580
Describer: R Moreton
Date: 20-February-2019

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

Depth to Watertable (m): 0.56
Depth to Substrate (m): 0.96
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Level (<1%)
Element Morph. Type: No Data
Element Type: Drainage depression
Slope: 0 %
Inundation Frequency: No Data
Rainfall: 2004 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: 212 degrees
Elevation: 788 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Peaty, Chromosolic, Redoxic, **Hydrosol**
ASC Family Criteria: Moderately thick, non-gravelly, peaty organic horizon, loamy B horizon, moderately deep soil depth, non-water repellent surface soil
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
O1	6 - 0 cm	Black (7.5YR 2.5/1) moist, fibric litter; no structure; no mottles; many very fine (<1mm) roots. EC 0.39 dS/m; pH 5.45.
P2	0 - 22 cm	Black (10YR 2/1) moist, sapric peat; massive structure; no mottles; common fine (1-2mm) roots. EC 0.12 dS/m; pH 5.15.
2B21	22 - 50 cm	Very dark brown (10YR 2/2) moist, silty loam; massive structure; very few (<2%), fine (<5mm), faint brown (10YR 4/3) mottles; common fine (1-2mm) roots. EC 0.03 dS/m; pH 5.24.
2B22	50 - 75 cm	Very dark grey (10YR 3/1) moist, silty loam; massive structure; few (2-10%), medium (5-15mm), distinct dark yellowish brown (10YR 4/4) mottles; few fine (1-2mm) roots. EC 0.02 dS/m; pH 5.36.
2B23	75 - 90 cm	Very dark greyish brown (10YR 3/2) moist, silty loam; massive structure; few (2-10%), medium (5-15mm), distinct dark yellowish brown (10YR 4/4) mottles; few fine (1-2mm) roots. EC 0.03 dS/m; pH 5.37.
R	90 - 91 cm	



Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: HSE - Eastern alpine sedgeland.

Vegetation description: Baloskion australe, Empodisma minus, Wahlenbergia, Lepidosperma filiforme, Gymnoschoenus sphaerocephalus, Hydrocotyle sp., Poa species.

Site Notes:

Location: Cuvier Valley, Lake St Clair

Site and Observation Notes: Baloskion sedgeland and grassland



Baloskion australe with Empodisma minus and Lepidosperma and occasional buttongrass plants. Mapped as HSE because of high elevation and lack of substantial grass component.

