

Project: Organic Soils Mapping

Site Id: OSM013

Site Information

Easting: 446082
Northing: 5385235
Describer: R Moreton
Date: 23-October-2018

Runoff: Very slow
Permeability: Moderately permeable
Drainage: Very poorly drained
Observation Type: Hand Auger boring

Depth to Watertable (m): 0.50
Depth to Substrate (m): 1.30
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Gently inclined (3-10%)
Element Morph. Type: No Data
Element Type: Plain
Slope: 3 %
Inundation Frequency: No Data
Rainfall: 1827 mm
Erosion: No Data

Landform Pattern (300m radius)


Pattern Type: Alluvial plain
Pattern Slope Class: Gently inclined (3-10%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 96 degrees
Elevation: 1084 m
Mapped Geology: 250k Geology: Glacial, periglacial and fluvioglacial sediments including till and interglacial deposits.

Soil Classification

Australian Soil Classification: Lithic, Acidic, Fibric, **Organosol** (Definition 1)
ASC Family: Very thick uppermost organic materials, non-gravelly surface horizon, fibric peat surface, organics directly overlying rock, 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	30 - 0 cm	Dark reddish brown (5YR 3/4) moist, fibric litter; no structure; no mottles; abundant very fine (<1mm) roots. EC 0.66 dS/m; pH 3.71
P11	0 - 18 cm	Dark reddish brown (5YR 3/2) moist, fibric peat; massive structure; no mottles; many very fine (<1mm) roots. EC 0.38 dS/m; pH 3.55
P12	18 - 60 cm	Dark reddish brown (5YR 3/2) moist, fibric peat; massive structure; no mottles; few medium (2-5mm) roots. EC 0.2 dS/m; pH 3.91
P21	60 - 85 cm	Black (N 2.5/) moist, hemic peat; massive structure; no mottles; few medium (2-5mm) roots. EC 0.09 dS/m; pH 4.41
P22	85 - 100 cm	Black (N 2.5/) moist, sapric peat; massive structure; no mottles; few medium (2-5mm) roots. EC 0.05 dS/m; pH 4.77
R	100 - 101 cm	Common (10-20%), very strong, subrounded, dispersed dolerite stones (200-600mm).



Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: ASP - Sphagnum peatland.

Vegetation description: Sphagnum sp., Baloskion australe, Gleichenia alpina

Site Notes:

Location: Ritters Road

Site and Observation Notes: Plain



Sphagnum forms the ground cover over which are growing Baloskion australe and Gleichenia alpina

