

Project: Organic Soils Mapping

Site Id: OSM012

Site Information

Easting: 445844
Northing: 5385274
Describer: R Moreton
Date: 23-October-2018

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

Depth to Watertable (m): 0.20
Depth to Substrate (m): 0.70
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: Hillslope
Slope: 8 %
Inundation Frequency: No Data
Rainfall: 1840 mm
Erosion: No Data

Landform Pattern (300m radius)

Pattern Type: Low hills
Pattern Slope Class: Moderately inclined (10-32%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 60 degrees
Elevation: 1101 m
Mapped Geology: 250k Geology: Glacial, periglacial and fluvioglacial sediments including till and interglacial deposits.

Soil Classification

Australian Soil Classification: Modic, Acidic, Sapric, **Organosol** (Definition 1)
ASC Family: Very thick uppermost organic materials, non-gravelly surface horizon, fibric peat surface organic materials overlying clayey textured material, moderate 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
P11	0 - 12 cm	Reddish black (10R 2.5/1) moist, fibric peat; massive structure; no mottles; many very fine (<1mm) roots. EC 0.41 dS/m; pH 4.89.
P12	12 - 28 cm	Black (N 2.5/) moist, fibric peat; massive structure; no mottles; many fine (1-2mm) roots. EC 0.29 dS/m; pH 4.69.
P21	28 - 42 cm	Black (N 2.5/) moist, sandy peat; massive structure; no mottles; few fine (1-2mm) roots. EC 0.18 dS/m; pH 4.63.
P22	42 - 62 cm	Black (N 2.5/) moist, sandy peat; weak, 5-10 mm, weak polyhedral structure; no mottles; common fine (1-2mm) roots. EC 0.07 dS/m; pH 4.81.
2B3	62 - 70 cm	Black (10YR 2/1) moist, light clay; weak, 5-10 mm, weak polyhedral structure; very few (<2%), fine (<2mm), unidentified concretions; few fine (1-2mm) roots. EC 0.03 dS/m; pH 5.06.
R	70 - 71 cm	Common (10-20%), very strong, subrounded, dispersed dolerite stones (200-600mm).



Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: MGH - Highland grassy sedgeland.

Vegetation description: *Lepidosperma filiforme*, *Poa* sp., *Astelia alpina*

Site Notes:

Location: Jacks Creek, Ritters Road

Site and Observation Notes: Borderline sedgy grassland.



As grasses are reasonably common along with *Lepidosperma* this is classed as MGH rather than HSE vegetation class.

