

Project: Organic Soils Mapping

Site Id: OSM022

Site Information

Easting: 428425
Northing: 5331470
Describer: R Moreton
Date: 31-January-2019

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

Depth to Watertable (m): No free water
Depth to Substrate (m): 0.35
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: Plain
Slope: 3 %
Inundation Frequency: No Data
Rainfall: 2090 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: 350 degrees
Elevation: 793 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Rudaceous, Acidic, Sapric, **Organosol** (Definition 2)
ASC Family Criteria: Thick uppermost organic materials, non-gravelly surface horizon, sapric 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
O1	10 - 0 cm	Very dark greyish brown (10YR 3/2) moist, fibric litter; few (<1 per 100mm ²), fine (1-2mm) macropores; many fine (1-2mm) roots.
P21	0 - 15 cm	Black (10YR 2/1) moist, sapric peat; weak, 2-5 mm, weak polyhedral structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; many very fine (<1mm) roots; common fine (1-2mm) roots. EC 0.35 dS/m; pH 4.95.
P22	15 - 25 cm	Black (10YR 2/1) moist, sapric peat; massive structure; no mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; common very fine (<1mm) roots; common fine (1-2mm) roots. EC 0.2 dS/m; pH 4.54.
2B/C	25 - 30 cm	Black (10YR 2/1) moist, sapric sandy clay loam; massive structure; no mottles; few (2-10%), very strong, rounded, dispersed dolerite coarse gravel (20-60mm).



Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: MBP - Pure buttongrass moorland.

Vegetation description: *Gymnoschoenus sphaerocephalus*, *Baeckea gunnianna*

Site Notes:

Location: Rufus Canal Road, Lake St Clair area

Site and Observation Notes: High Buttongrass plain

Other Notes: Rounded gravels below peat at 25cm



Few shrubs on the plain and buttongrass making up more than 75% of the community cover is consistent with MBP vegetation unit.

