

Project: Organic Soils Mapping

Site Id: OSM019

Site Information

Easting: 431989
Northing: 5327276
Describer: R Moreton
Date: 30-January-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): 1.24
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: 1886 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: 113 degrees
Elevation: 769 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Peaty, (Kurosolic?), Redoxic, **Hydrosol**
ASC Family Criteria: Moderately thick, non-gravelly, peaty organic horizon, clayey B horizon, deep soil depth
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	4 - 0 cm	Very dark greyish brown (10YR 3/2) moist, fibric litter; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; many fine (1-2mm) roots.
P2	0 - 25 cm	Very dark greyish brown (10YR 3/2) moist, sapric peat; massive structure; few (2-10%), medium (5-15mm), distinct brown (7.5YR 4/3) mottles; few (<1 per 100mm ²), fine (1-2mm) macropores; common medium (2-5mm) roots. EC 0.08 dS/m; pH 4.63.
2B1	25 - 40 cm	Dark greyish brown (10YR 4/2) moist, light clay; moderate, 10-20 mm, moderate subangular blocky structure; few (2-10%), medium (5-15mm), distinct brown (7.5YR 4/4) mottles; few (<1 per 100mm ²), fine (1-2mm) macropores; few medium (2-5mm) roots; very few (<2%), very strong, subrounded, dispersed dolerite medium gravel (6-20mm). EC 0.07 dS/m; pH 4.68.
2B2	40 - 120 cm	Dark yellowish brown (10YR 4/4) moist, light medium clay; massive structure; common (10-20%), medium (5-15mm), distinct brown (7.5YR 5/4) mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few fine (1-2mm) roots; very few (<2%), very strong, subrounded, dispersed dolerite cobbles (60-200mm).
R	120 - 121 cm	



Morphological Notes: Nil

Vegetation Notes:

TASVEG code: MBE - Eastern buttongrass moorland.

Vegetation description: *Gymnoschoenus sphaerocephalus*, *Melaleuca squamea*, *Leptocarpus tenax*, *Sprengelia incarnata*

Site Notes:

Location: Harback's Road, Lake St Clair area.

Site and Observation Notes: Buttongrass depression



Shrubs are not taller than the buttongrass and the moorland is confined to the boggy plain-forest takes over on the slopes - eastern moorland vegetation classification.

