

Project: Organic Soils Mapping

Site Id: OSM041

Site Information

Easting: 463678
Northing: 5363739
Describer: R Moreton
Date: 20-March-2019

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

Depth to Watertable (m): No free water

Depth to Substrate (m): No Data

Surface Coarse Fragments: 1. Few (2-10%), Strong, Subangular, Dolerite, Cobbles (60-200mm)

Landform Information

Landform Element (20m radius)

Element Slope Class: Level (<1%)
Element Morph. Type: No Data
Element Type: Plain
Slope: 0 %
Inundation Frequency: No Data
Rainfall: 1062 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: 170 degrees
Elevation: 1143 m
Mapped Geology: 250k Geology: Basalt (tholeiitic to alkalic) and related pyroclastic rocks.

Soil Classification

Australian Soil Classification: Humose-mottled, Mellic, Brown, **Kandosol**

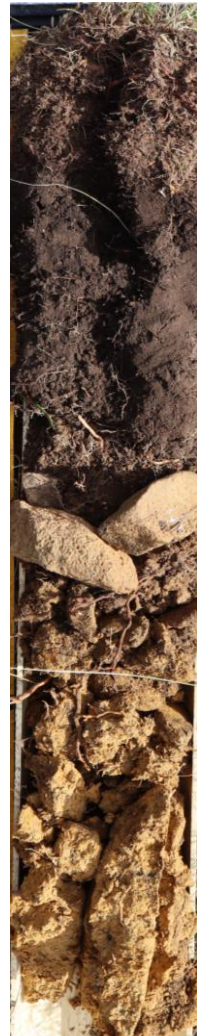
ASC Family Criteria: Moderately thick, non-gravelly, peaty surface/A horizon, clayey B horizon, moderately deep soil depth, water repellent surface soil

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	3 - 0 cm	Dark greyish brown (10YR 4/2) moist, fibric litter; no mottles; many very fine (<1mm) roots.
P1	0 - 7 cm	Very dark greyish brown (10YR 3/2) moist hemic peat; weak, <2 mm, weak polyhedral structure; no mottles; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; common very fine (<1mm) roots. EC 0.17 dS/m; pH 4.77.
2A1a	7 - 25 cm	Black (10YR 2/1) moist sapric clay loam; weak, <2 mm, weak polyhedral structure; no mottles; common (1-5 per 100mm ²), very fine (0.075-1mm) macropores; common very fine (<1mm) roots. EC 0.04 dS/m; pH 5.1.
2B2	25 - 35 cm	Dark yellowish brown (10YR 4/6) moist clay loam; weak, 2-5 mm, weak polyhedral structure; very few (<2%), fine (<5mm), faint dark yellowish brown (10YR 4/6) mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few fine (1-2mm) roots; abundant (50-90%), very strong, subangular, stratified dolerite medium gravel (6-20mm); abundant (50-90%), very strong, subangular, stratified dolerite cobbles (60-200mm).
2B3	35 - 60 cm	Brownish yellow (10YR 6/8) moist light medium clay; massive structure; common (10-20%), medium (5-15mm), distinct yellowish brown (10YR 5/8) mottles; few fine (1-2mm) roots. EC 0.02 dS/m; pH 5.67.



Morphological Notes:

Horizon:	Description:
2A1b	A1 horizon-Hydrophobic.
2B2b	2B2 horizon has stone line over 2B3

Vegetation Notes:

TASVEG code: MGH - Highland grassy sedgeland.

Vegetation description: *Richea acerosa*, *Poa* sp., *Empodisma minus*, *Baloskion australe*, *Deyeuxia* sp.

Site Notes:

Location: Alongside track into Double Lagoon

Site and Observation Notes: Mid-plain (sloping)



Minor shrubs over graminoids- grasses prominent in this vegetation but baloskion and empodisma still common (MGH).

