

Project: Organic Soils Mapping

Site Id: OSM002

Site Information

Easting: 412849
Northing: 5325944
Describer: R Moreton
Date: 01-October-2018

Runoff: Very slow
Permeability: Slow
Drainage: Poor
Observation Type: Hand Auger boring

Depth to Watertable (m): No free
Depth to Substrate (m): 0.31
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: Hillcrest
Slope: 4%
Inundation Frequency: No Data
Rainfall: 2652 mm
Erosion: No Data

Landform Pattern (300m radius)

Pattern Type: Hills
Pattern Slope Class: Moderately inclined (10-32%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 25 degrees
Elevation: 497 m
Mapped Geology: 25k Geology: Lithologically undifferentiated rocks of low metamorphic grade including non-garnetiferous quartzite and phyllite.

Soil Classification

Australian Soil Class: Acidic, Gritty-Lithic, Grey, **Tenosol**
ASC Family: Thin, non-gravelly, peaty surface horizons over loamy B horizon, shallow soil depth, non-water repellent surface soil
ASC Confidence: No necessary analytical or limited morphological data are available - but confidence is fair
ASC Version: 3rd Edition

Morphological Description



Horizon	Depth	Description
O1	6 - 0 cm	Brown (7.5YR 4/2) moist, fibric litter.
P2	0 - 6 cm	Dark grey (7.5YR 4/1) moist, sapric peat; common fine (1-2mm) roots.
2B2	6 - 25 cm	Grey (7.5YR 5/1) moist, sandy loam; few very fine (<1mm) roots; very few (<2%), very strong, angular, dispersed quartz fine gravel (2-6mm).
C/R	25 - 26 cm	Few (2-10%), very strong, angular, dispersed quartz medium gravel (6-20mm).

Morphological Notes: Nil.

Vegetation Notes:

TASVEG code: MBS - Buttongrass moorland with emergent shrubs.

Vegetation description: Melaleuca squamea, Sprengelia incarnata, Gymnoschoenus sphaerocephalus, Leptospemum nitidum, Banksia marginata, Baeckea lissosperma or Dillwynia glaberima

Site Notes:

Location: Mt Mullins (crest)

Site and Observation Notes: Teatree and Buttongrass Crest



Site OSM002 sample site located in midground - The shrubs form an even cover over the top of the sedges, so this is a good fit for this vegetation mapping unit.