

# Project: Organic Soils Mapping

Site Id: OSM005

## Site Information

**Easting:** 377568  
**Northing:** 5316901  
**Describer:** R Moreton  
**Date:** 01-October-2018

**Runoff:** Moderately rapid  
**Permeability:** Slowly permeable  
**Drainage:** Poorly drained  
**Observation Type:** Hand auger boring

**Depth to Watertable (m):** No free water  
**Depth to Substrate (m):** 0.35 m  
**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:** Hillcrest  
**Slope:** 3 %  
**Inundation Frequency:** No Data  
**Rainfall:** 2815 mm  
**Mapped Geology:** 25k Geology: Fine to medium grained quartz sandstone with carbonaceous siltstone laminae commonly containing plant stems and leaf impressions. Conglomerate boulders and outcrop with rounded clasts of Quartzite observed.

### 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:** 238 degrees  
**Elevation:** 292 m

## Soil Classification

**Australian Soil Classification:** Rudaceous, Folic, Hemic, **Organosol** (Definition 2)  
**ASC Family:** Moderately thick uppermost organic materials, non-gravelly, sapric peat surface organic materials overlying sandy textured material, shallow soil depth  
**ASC Confidence:** No necessary analytical or limited morphological data are available - but confidence is fair  
**ASC Version:** 3<sup>rd</sup> Edition

## Morphological Description



Horizon	Depth	Description
P1	0 - 4 cm	Very dark grey (7.5YR 3/1) moist, sapric peat.
P21	4 - 26 cm	Dark brown (7.5YR 3/2) moist, hemic peat; many very fine (<1mm) roots.
P22	26 - 30 cm	Brown (7.5YR 4/3) moist, hemic peat; common very fine (<1mm) roots; very few (<2%), very strong, subangular, dispersed quartz medium gravel (6-20mm).
2C	30 - 35 cm	Pinkish grey (7.5YR 6/3) moist, loamy sand; few very fine (<1mm) roots; few (2-10%), very strong, subangular, dispersed quartz medium gravel (6-20mm).
R	35 - 36 cm	

**Morphological Notes:** Nil.

**Vegetation Notes:**

**TASVEG code:** MBR - Sparse buttongrass moorland on slopes.

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

**Site Notes:**

**Location:** Mt Sorell

**Site and Observation Notes:** Hillcrest (western wet scrub)



This fairly sparse moorland with plant cover on the ridges and crests, makes this best classed as MBR but otherwise could be classified as MBW. The denser vegetation in the gullies could be classified as MBS.