

# Project: Organic Soils Mapping

Site Id: OSM007

## Site Information

**Easting:** 378873  
**Northing:** 5255381  
**Describer:** R Moreton  
**Date:** 01-October-2018

**Runoff:** Very slow  
**Permeability:** Slowly permeable  
**Drainage:** Very poorly drained  
**Observation Type:** Hand Auger boring

**Depth to Watertable (m):** No free water  
**Depth to Substrate (m):** 0.34 cm  
**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:** 1%  
**Inundation Frequency:** No Data  
**Rainfall:** 2502 mm  
**Erosion:** No Data

### Landform Pattern (300m radius)

**Pattern Type:** Alluvial plain  
**Pattern Slope Class:** Gently inclined (3-10%)  
**Pattern Relief Class:** No Data  
**Relief Modal Slope:** No Data  
**Aspect:** 39 degrees  
**Elevation:** 175 m  
**Mapped Geology:** 25k Geology: Unit of siliciclastic conglomerate within marine Owen Group and Newton Creek Sandstone.

## Soil Classification

**Australian Soil Classification:** Terric, Basic, Sapric, **Organosol** (Definition 2)  
**ASC Family:** Ashy, moderately thick uppermost organic materials, non-gravelly surface horizon, hemic 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
O2	4 - 0 cm	Ashy Brown (7.5YR 5/4) moist, hemic-sapric litter.
P1	0 - 15 cm	Reddish brown (5YR 5/4) moist, fibric peat; many fine (1-2mm) roots.
P2	15 - 30 cm	Dark grey (5YR 4/1) moist, sapric peat; common very fine (<1mm) roots; few (2-10%), very strong, subangular, dispersed quartz fine gravel (2-6mm).
2C/R	30 - 31 cm	Loamy sand; few (2-10%), very strong, subangular, dispersed quartz medium gravel (6-20mm).

**Morphological Notes:** Nil.

**Vegetation Notes:**

**TASVEG code:** MBR/MBW - Buttongrass moorland with emergent shrubs.

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

**Site Notes:**

**Location:** Mt Osmond

**Site and Observation Notes:** Tea tree plain



This site has been burnt, but it was obvious that the small shrubs were important in previous vegetation- with buttongrass having a low cover (MBW). But crests in area are low cover- (MBR)