

# Project: Organic Soils Mapping

Site Id: OSM011

## Site Information

**Easting:** 447026  
**Northing:** 5386970  
**Describer:** R Moreton  
**Date:** 22-October-2018

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

**Depth to Watertable (m):** 0.40  
**Depth to Substrate (m):** 0.40  
**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:** Drainage depression  
**Slope:** 3 %  
**Inundation Frequency:** No Data  
**Rainfall:** 1856 mm  
**Erosion:** No Data

### Landform Pattern (300m radius)

**Pattern Type:** Hills  
**Pattern Slope Class:** Steep (32-56%)  
**Pattern Relief Class:** No Data  
**Relief Modal Slope:** No Data  
**Aspect:** 196 degrees  
**Elevation:** 1093 m  
**Mapped Geology:** 250k Geology: Dolerite (tholeiitic) with locally developed granophyre.

## Soil Classification

**Australian Soil Classification:** Lithic, Acidic, Sapric, **Organosol** (Definition 1)  
**ASC Family:** Thick uppermost organic materials, non-gravelly surface horizon, hemic peat surface organic materials, rock below deepest organic materials, shallow soil depth  
**ASC Confidence:** All necessary analytical and/or morphological data are available for the profile being classified  
**ASC Version:** 3rd Edition

## Morphological Description



Horizon	Depth	Description
O2	4 - 0 cm	Reddish black (10R 2.5/1) moist, hemic-sapric litter; no structure; no mottles; abundant very fine (<1mm) roots. EC 0.61 dS/m; pH 5.28.
P1	0 - 16 cm	Black (N 2.5/) moist, fibric peat; weak, 2-5 mm, weak polyhedral structure; no mottles; common very fine (<1mm) roots. EC 0.27 dS/m; pH 5.08;
P2	16 - 36 cm	Black (N 2.5/) moist, sapric peat; weak, 2-5 mm, weak polyhedral structure; no mottles; few fine (1-2mm) roots. EC 0.1 dS/m; pH 4.95.
R	36 - 37 cm	Many (20-50%), very strong, subrounded, dispersed dolerite cobbles (60-200mm).

**Morphological Notes:** Nil.

**Vegetation Notes:**

**TASVEG code:** GPH - Highland Poa grassland.

**Vegetation description:** Poa sp., Baloskion australe

**Site Notes:**

**Location:** Lake Mackenzie Road

**Site and Observation Notes:** Grassy sedgeland



Tussock grasses form the dominant vegetation cover where trees haven't taken over

