

# Project: Organic Soils Mapping

Site Id: OSM045

## Site Information

**Easting:** 459000  
**Northing:** 5361989  
**Describer:** R Moreton  
**Date:** 22-March-2019

**Runoff:** Very slow  
**Permeability:** Moderately permeable  
**Drainage:** Imperfectly Drained  
**Observation Type:** Hand Auger boring

**Depth to Watertable (m):** No free water  
**Depth to Substrate (m):** 0.27  
**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:** Hillslope  
**Slope:** 1 %  
**Inundation Frequency:** No Data  
**Rainfall:** 937 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:** 220 degrees  
**Elevation:** 1142 m  
**Mapped Geology:** 250k Geology: Dolerite (tholeiitic) with locally developed granophyre.

## Soil Classification

**Australian Soil Classification:** Modic, Acidic, Sapric, **Organosol** (Definition 2)  
**ASC Family Criteria:** Granular, moderately thick uppermost organic materials, non-gravelly surface horizon, fibric peat surface organic materials, organics directly overlying rock, shallow soil depth  
**ASC Confidence:** All necessary analytical and/or morphological data are available for the profile being classified  
**ASC Version:** 3<sup>rd</sup> Edition

## Morphological Description



Horizon	Depth	Description
P1	0 - 2 cm	Dark brown (7.5YR 3/2) moist fibric peat; no mottles; common very fine (<1mm) roots.
P2	2 - 10 cm	Dark brown (7.5YR 3/2) moist sapric peat; weak, <2 mm, weak polyhedral structure; no mottles; few (<1 per 100mm <sup>2</sup> ), very fine (0.075-1mm) macropores; many very fine (<1mm) roots. EC 0.1 dS/m; pH 5.04.
2A1	10 - 21 cm	Very dark brown (7.5YR 2.5/2) moist sapric clay loam; moderate, 2-5 mm, moderate subangular blocky structure; no mottles; few (<1 per 100mm <sup>2</sup> ), very fine (0.075-1mm) macropores; common very fine (<1mm) roots. EC 0.04 dS/m; pH 5.04.
2B1	21 - 27 cm	Dark reddish brown (5YR 2.5/2) moist sapric silty clay loam; weak, <2 mm, weak polyhedral structure; no mottles; common very fine (<1mm) roots. EC 0.03 dS/m; pH 5.1.
R	27 - 28 cm	Common (10-20%), very strong, subangular, dispersed dolerite cobbles (60-200mm).

**Morphological Notes:** Nil.

P1 - Granular

**Vegetaion Notes:**

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

**Vegetation description:** Poa sp., Richea acerosa

**Site Notes:**

**Location:** Lake Kay Road

**Site and Observation Notes:** This site paired with Alpine site: 1081.



Poa tussocks prominent in the vegetation and shrub overstorey very open- mapped as GPH

