

# Project: Organic Soils Mapping

Site Id: OSM016

## Site Information

**Easting:** 445272  
**Northing:** 5387920  
**Describer:** R Moreton  
**Date:** 23-October-2018

**Runoff:** Very slow  
**Permeability:** Very slowly permeable  
**Drainage:** Poorly drained  
**Observation Type:** Hand Auger boring

**Depth to Watertable (m):** 0.30  
**Depth to Substrate (m):** 0.30  
**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:** 2 %  
**Inundation Frequency:** No Data  
**Rainfall:** 1873 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:** 150 degrees  
**Elevation:** 1101 m  
**Mapped Geology:** 250k Geology: Glacial, periglacial and fluvioglacial sediments including till and interglacial deposits.

## Soil Classification

**Australian Soil Classification:** Lithic, Acidic, Sapric, **Organosol** (Definition 2)  
**ASC Family:** Granular, moderately thick uppermost organic materials, non-gravelly surface horizon, sapric 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:** 3rd Edition

## Morphological Description



Horizon	Depth	Description
P21	0 - 10 cm	Black (10YR 2/1) moist, sapric peat; moderate, 5-10 mm, moderate subangular blocky structure; no mottles; few (<1 per 0.01m <sup>2</sup> ), macropores; many very fine (<1mm) roots. EC 0.22 dS/m; pH 4.64.
P22	10 - 30 cm	Black (N 2.5/) moist, sapric peat; moderate, 10-20 mm, moderate subangular blocky structure; no mottles; few (<1 per 0.01m <sup>2</sup> ), macropores; common fine (1-2mm) roots. EC 0.1 dS/m; pH 4.64.
R	30 - 31 cm	Common (10-20%), very strong, subrounded, dispersed dolerite stones (200-600mm).

**Morphological Notes:** Nil.

**Vegetation Notes:**

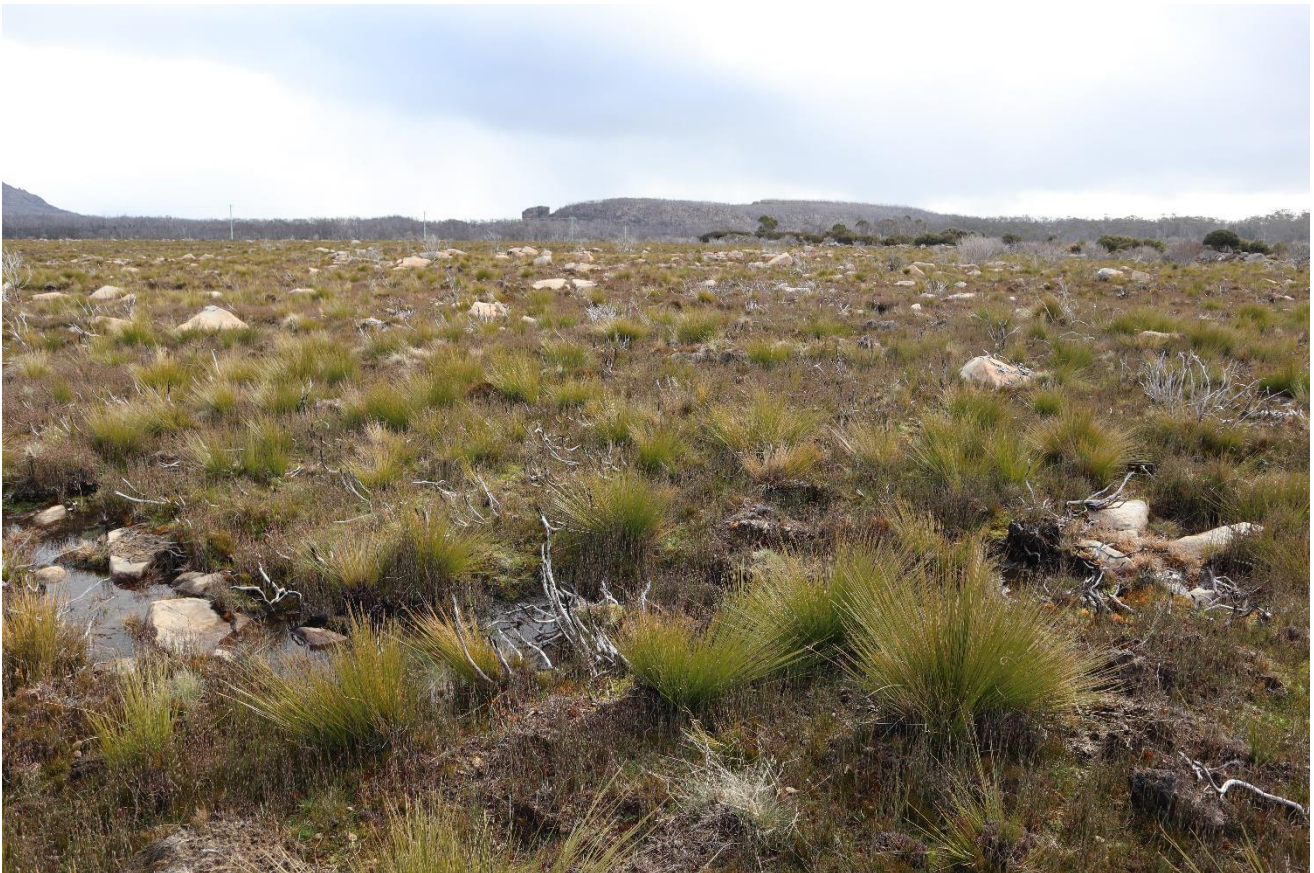
**TASVEG code:** HSE - Eastern alpine sedgeland.

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

**Site Notes:**

**Location:** Lake Mackenzie Road

**Site and Observation Notes:** Sedgeland



Although *Lepidosperma* is common, the lack of grasses results in this area classed as HSE.

