

# Project: Organic Soils Mapping

Site Id: OSM018

## Site Information

**Easting:** 433054  
**Northing:** 5326231  
**Describer:** R Moreton  
**Date:** 30-January-2019

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

**Depth to Watertable (m):** No free water  
**Depth to Substrate (m):** 1.05  
**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:** 3 %  
**Inundation Frequency:** No Data  
**Rainfall:** 1861 mm  
**Erosion:** No Data

### Landform Pattern (300m radius)


**Pattern Type:** Low hills  
**Pattern Slope Class:** Very gently inclined (1-3%)  
**Pattern Relief Class:** No Data  
**Relief Modal Slope:** No Data  
**Aspect:** 340 degrees  
**Elevation:** 807 m  
**Mapped Geology:** 250k Geology: Pleistocene glacial and glaciogene deposits.

## Soil Classification

**Australian Soil Classification:** (Mesotrophic?), (Kurosolic?), Redoxic, **Hydrosol**  
**ASC Family Criteria:** Moderately thick, non-gravelly, peaty organic horizon, clayey B horizon, deep soil depth  
**ASC Confidence:** Necessary analytical and/or morphological data are incomplete but are sufficient to classify the soil with a reasonable degree of confidence.  
**ASC Version:** 3<sup>rd</sup> Edition

## Morphological Description

Horizon	Depth	Description
O1	5 - 0 cm	Very dark greyish brown (10YR 3/2) moist, fibric litter; no structure; no mottles; few (<1 per 100mm <sup>2</sup> ), fine (1-2mm) macropores; many very fine (<1mm) roots.
P2	0 - 10 cm	Very dark grey (10YR 3/1) moist, sapric peat; massive structure; no mottles; few (<1 per 100mm <sup>2</sup> ), very fine (0.075-1mm) macropores; common very fine (<1mm) roots. EC 0.09 dS/m; pH 4.57.
2B1	10 - 30 cm	Brown (10YR 4/3) moist, light clay; weak, 20-50 mm, weak subangular blocky structure; common (10-20%), medium (5-15mm), faint brown (7.5YR 4/4) mottles; few (<1 per 100mm <sup>2</sup> ), fine (1-2mm) macropores; few very fine (<1mm) roots; very few (<2%), very strong, rounded, dispersed dolerite medium gravel (6-20mm).
2B2	30 - 100 cm	Dark yellowish brown (10YR 4/4) moist, light medium clay; massive structure; common (10-20%), medium (5-15mm), prominent strong brown (7.5YR 4/6) mottles; few very fine (<1mm) roots.
R	100 - 101 cm	



**Morphological Notes:** Nil.

**Vegetation Notes:**

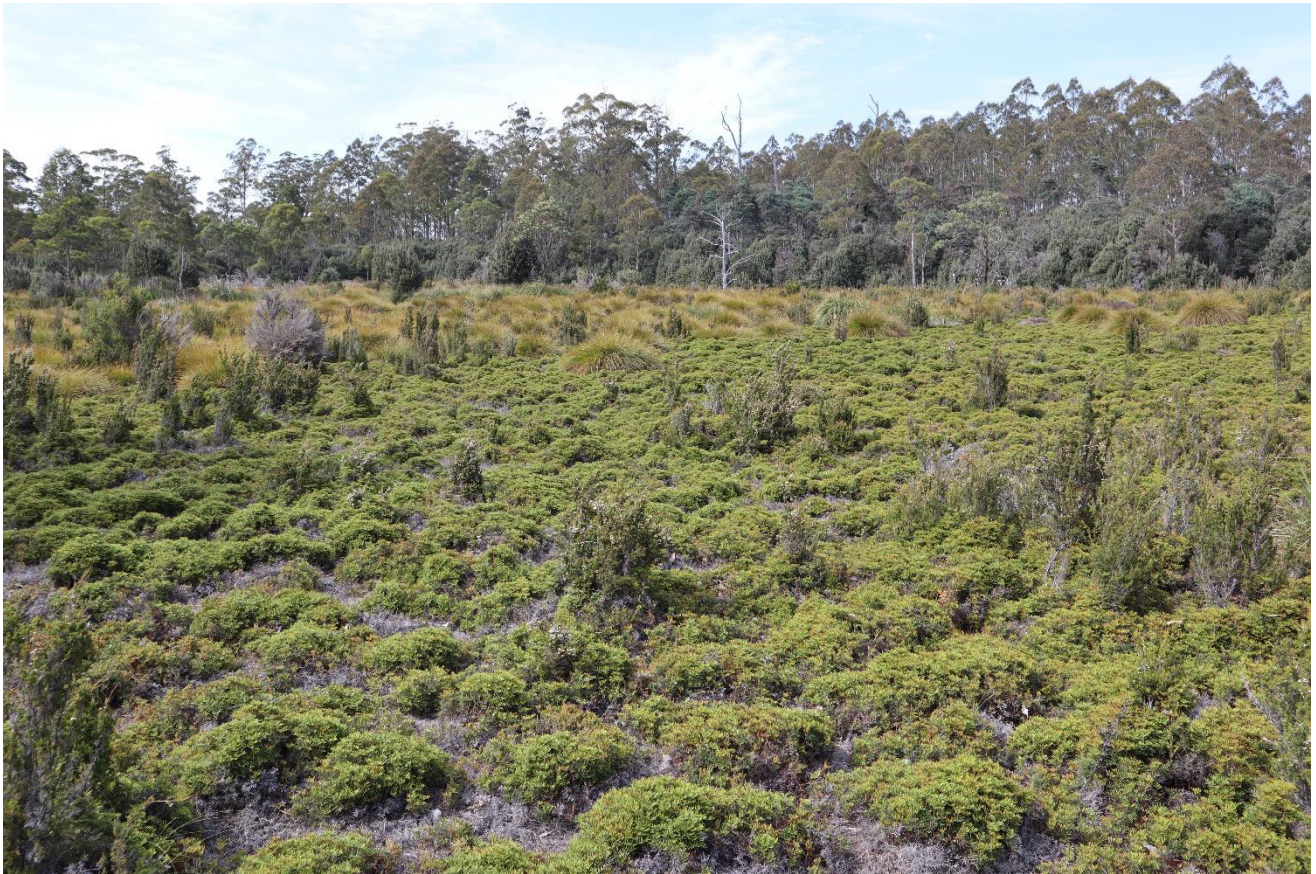
**TASVEG code:** HSE - Eastern alpine sedgeland.

**Vegetation description:** *Gleichenia* sp., *Leptospermum* sp., *Gymnoschoenus sphaerocephalus*, *Gahnia grandis*

**Site Notes:**

**Location:** Harback's Road, Lake St Clair area.

**Site and Observation Notes:** Wetlands



Gleichenia bogs in foreground are HSE and MBE/MBP - buttongrass moorlands in background.

# Chip tray and (Laboratory Data arriving soon)



Depth (cm)									
5 - 0 cm									
0 - 10 cm									
10 - 30 cm									
30 - 100 cm									
100 - 101 cm									

\*Only the Peat horizon sampled and analysed