

Project: Organic Soils Mapping

Site Id: OSM035

Site Information

Easting: 425220
Northing: 5350929
Describer: R Moreton
Date: 21-February-2019

Runoff: No runoff
Permeability: Slowly permeable
Drainage: Very poorly drained
Observation Type: Hand Auger boring

Depth to Watertable (m): 0.9
Depth to Substrate (m): 1.0
Surface Coarse Fragments: No coarse fragments

Landform Information

Landform Element (20m radius)

Element Slope Class: Level (<1%)
Element Morph. Type: No Data
Element Type: Swamp
Slope: 0 %
Inundation Frequency: No Data
Rainfall: 2165 mm
Erosion: No Data

Landform Pattern (300m radius)


Pattern Type: Alluvial plain
Pattern Slope Class: Very gently inclined (1-3%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 256 degrees
Elevation: 772 m
Mapped Geology: 250k Geology: Pleistocene glacial and glaciogene deposits.

Soil Classification

Australian Soil Classification: Terric, Acidic, Sapric, **Organosol** (Definition 2)
ASC Family Criteria: Thick uppermost organic materials, non-gravelly surface horizon, sapric peat surface organic materials overlying clayey textured material, moderate 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
O1	20 - 0 cm	Black (7.5YR 2.5/1) moist, fibric litter; no mottles; few (<1 per 100mm ²), fine (1-2mm) macropores; many fine (1-2mm) roots. EC 0.28 dS/m; pH 4.30.
P21	0 - 20 cm	Black (7.5YR 2.5/1) moist, sapric peat; weak, 2-5 mm, weak polyhedral structure; no mottles; few (<1 per 100mm ²), fine (1-2mm) macropores; common fine (1-2mm) roots. EC 0.11 dS/m; pH 4.82.
P22	20 - 40 cm	Very dark brown (10YR 2/2) moist, clayey peat; moderate, 5-10 mm, moderate polyhedral structure; very few (<2%), fine (<5mm), faint dark greyish brown (10YR 4/2) mottles; few (<1 per 100mm ²), very fine (0.075-1mm) macropores; few medium (2-5mm) roots. EC 0.04 dS/m; pH 5.08.
2B2	40 - 60 cm	Dark yellowish brown (10YR 4/4) moist, light clay; massive structure; very few (<2%), fine (<5mm), faint dark greyish brown (10YR 4/2) mottles.
2B3	60 - 80 cm	Very dark greyish brown (10YR 3/2) moist, fine sandy light clay; massive structure; very few (<2%), fine (<5mm), faint very dark grey (10YR 3/1) mottles.
R	80 - 81 cm	



Morphological Notes: Nil.

Vegetation Notes:

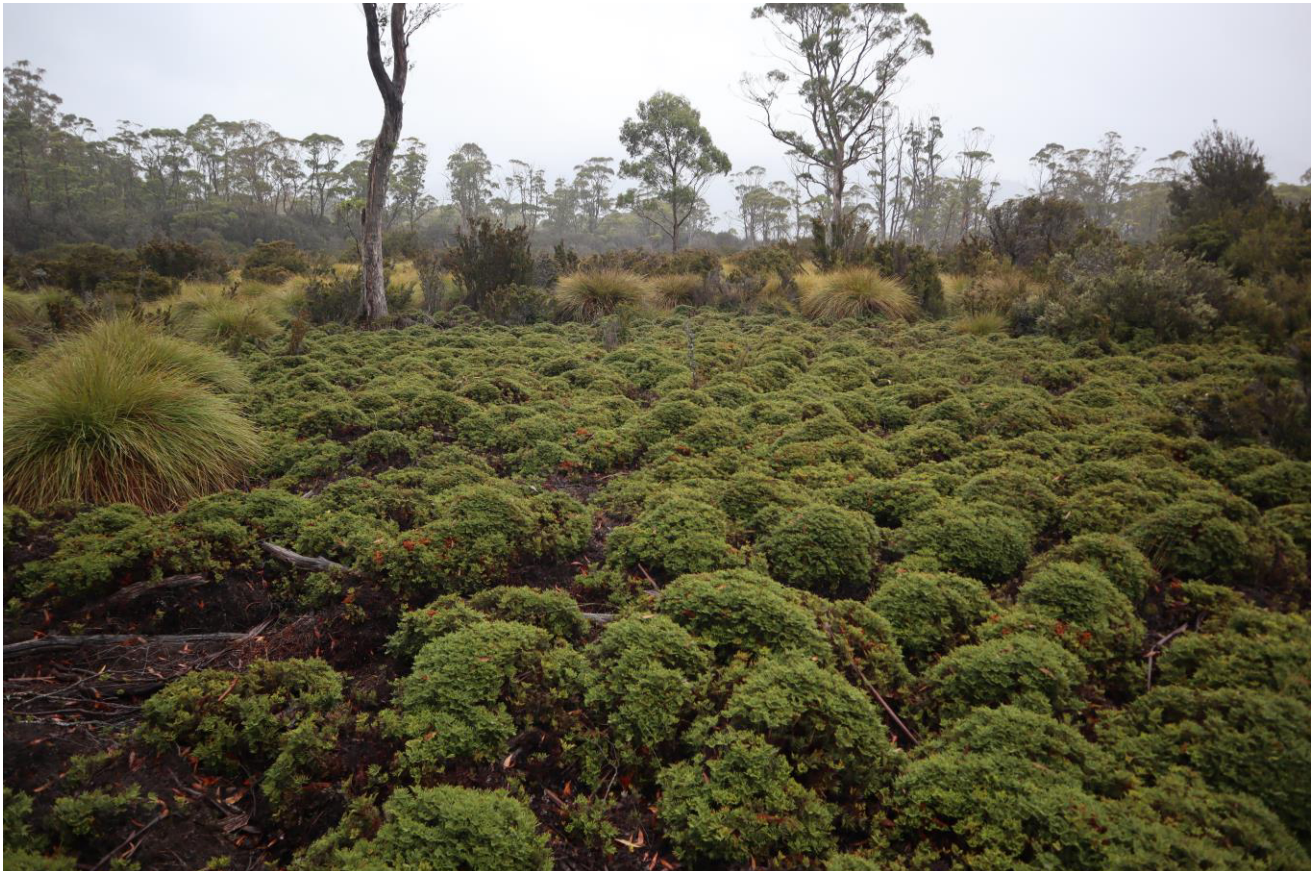
TASVEG code: HSE - Eastern alpine sedgeland.

Vegetation description: *Gleichenia alpina*

Site Notes:

Location: Overland Track, Lake St Clair

Site and Observation Notes: Coral fern wetland



The site is in a *Gleichenia* bog (HSE) but this is a very small patch of vegetation within a broader buttongrass moorland in which *Gymnoschoenus* has a high cover (MBE).

