

Project: Organic Soils Mapping

Site Id: OSM015

Site Information

Easting: 448053
Northing: 5385076
Describer: R Moreton
Date: 23-October-2018

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

Depth to Watertable (m): 0.45
Depth to Substrate (m): 1.10
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: 1844 mm
Erosion: No Data

Landform Pattern (300m radius)


Pattern Type: Low hills
Pattern Slope Class: Moderately inclined (10-32%)
Pattern Relief Class: No Data
Relief Modal Slope: No Data
Aspect: 350 degrees
Elevation: 1123 m
Mapped Geology: 250k Geology: Dolerite (tholeiitic) with locally developed granophyre.

Soil Classification

Australian Soil Classification: Lithic, Acidic, Sapric, **Organosol** (Definition 1)
ASC Family: Very thick uppermost organic materials, non-gravelly surface horizon, fibric peat surface organic materials, organics directly overlying rock, deep 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	30 - 0 cm	Fibric litter and dead plant material
P1	0 - 15 cm	Very dark grey (5YR 3/1) moist, fibric peat; massive structure; no mottles; many very fine (<1mm) roots. EC 0.47 dS/m; pH 3.98.
P21	15 - 40 cm	Very dark grey (5YR 3/1) moist, sandy peat; massive structure; no mottles; common very fine (<1mm) roots. EC 0.29 dS/m; pH 4.5.
P22	40 - 80 cm	Black (N 2.5/) moist, sandy peat; massive structure; no mottles; few fine (1-2mm) roots. EC 0.18 dS/m; pH 4.8.
R	80 - 81 cm	Many (20-50%), very strong, subrounded, dispersed dolerite stones (200-600mm).



Morphological Notes: Nil.

Vegetation Notes:

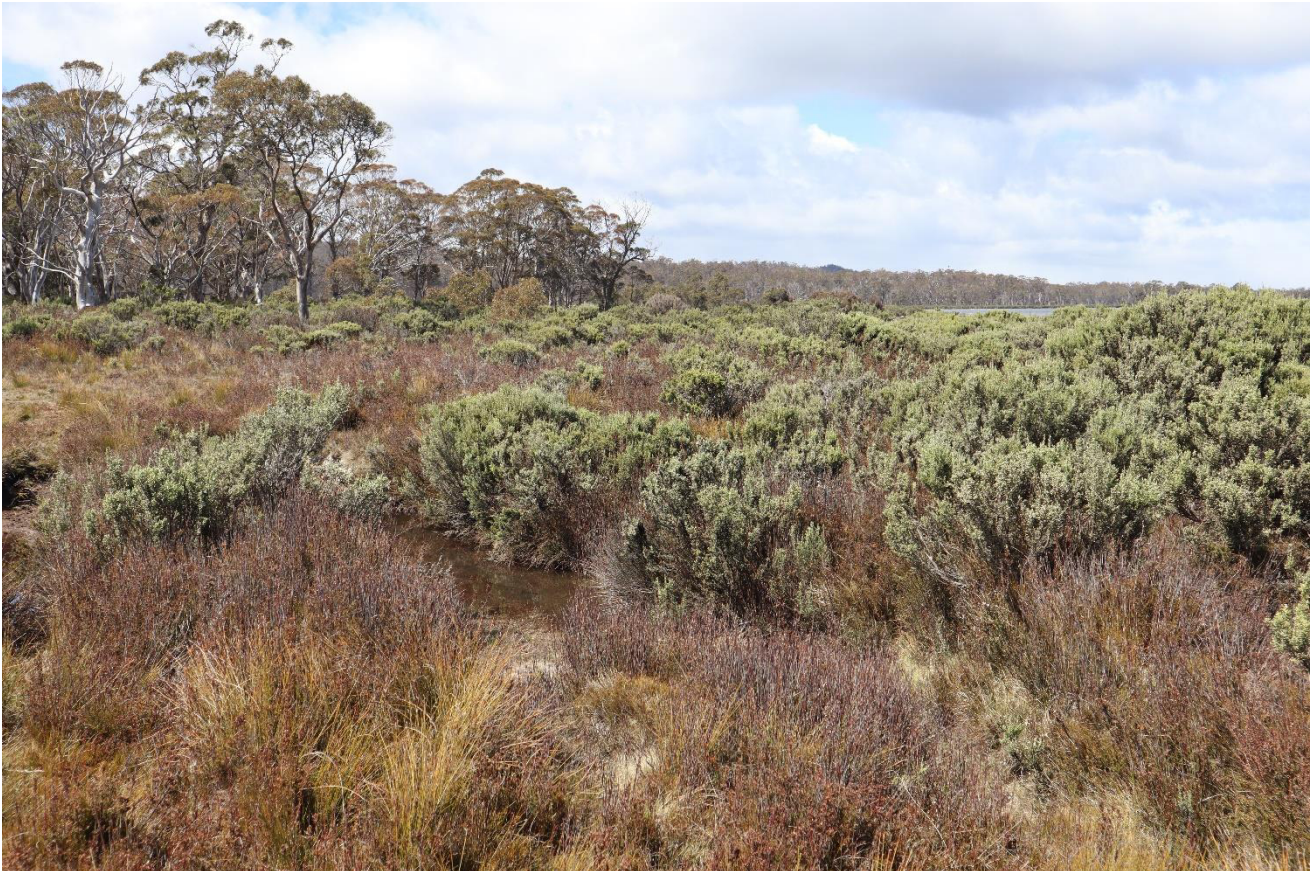
TASVEG code: ASP - Sphagnum peatland.

Vegetation description: Sphagnum sp., Baloskion australe, Gleichenia alpina, Richea scoparia, Carex sp.

Site Notes:

Location: Ritters Road

Site and Observation Notes: Sphagnum/Richea complex



Sphagnum forms the ground cover over which are growing Baloskion australe & Gleichenia alpina

