

# Project: Organic Soils Mapping

Site Id: OSM026

## Site Information

**Easting:** 433117  
**Northing:** 5331108  
**Describer:** R Moreton  
**Date:** 01-February-2019

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

**Depth to Watertable (m):** 0.30  
**Depth to Substrate (m):** 0.90  
**Surface Coarse Fragments:** No coarse fragments

## Landform Information

### Landform Element (20m radius)

**Element Slope Class:** Level (<1%)  
**Element Morph. Type:** No Data  
**Element Type:** Drainage depression  
**Slope:** 0 %  
**Inundation Frequency:** No Data  
**Rainfall:** 1748 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:** 249 degrees  
**Elevation:** 736 m  
**Mapped Geology:** 250k Geology: Pleistocene glacial and glaciogene deposits.

## Soil Classification

**Australian Soil Classification:** Terric, Acidic, Sapric, **Organosol** (Definition 1)  
**ASC Family Criteria:** Very thick uppermost organic materials, non-gravelly surface horizon, fibric 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:** 3<sup>rd</sup> Edition

## Morphological Description

| Horizon | Depth      | Description  |
|---------|------------|--|
| P1      | 0 - 18 cm  | Black (7.5YR 2.5/1) moist, fibric peat; massive structure; no mottles; few (<1 per 100mm <sup>2</sup> ), fine (1-2mm) macropores; abundant fine (1-2mm) roots. EC 0.31 dS/m; pH 5.22.                |
| P21     | 18 - 45 cm | Black (10YR 2/1) moist, sapric peat; massive structure; no mottles; few (<1 per 100mm <sup>2</sup> ), fine (1-2mm) macropores; many fine (1-2mm) roots. EC 0.22 dS/m; pH 4.8.                        |
| P22     | 45 - 63 cm | Black (10YR 2/1) moist, sandy peat; massive structure; very few (<2%), medium (5-15mm), faint pale brown (10YR 6/3) mottles; common fine (1-2mm) roots. EC 0.04 dS/m; pH 4.88.                       |
| 2B2     | 63 - 90 cm | Light brownish grey (10YR 6/2) moist, fine sandy light clay; massive structure; very few (<2%), medium (5-15mm), faint pale brown (10YR 6/3) mottles; few fine (1-2mm) roots. EC 0.02 dS/m; pH 5.48. |
| R       | 90 - 91 cm |  |



**Morphological Notes:** Nil.

**Vegetation Notes:**

**TASVEG code:** MBE - Eastern buttongrass moorland.

**Vegetation description:** *Gymnoschoenus sphaerocephalus*, *Sprengelia* sp.

**Site Notes:**

**Location:** East of Little Navare River

**Site and Observation Notes:** Very low Buttongrass depression with pools



Lack of overtopping shrubs and the confinement of the buttongrass to the poorly drained flats, makes this an MBE vegetation unit.

