

**Site Information**

**Easting:** 525282  
**Northing:** 5390299  
**Describer:** R Moreton  
**Date:** 07-Feb-2017

**Runoff:** Slow  
**Permeability:** Slowly permeable  
**Drainage:** Imperfectly drained  
**Land Capability:** 4  
**Observation Type:** Undisturbed soil core

**Depth to Watertable (m):** No Data  
**Depth to Substrate (m):** 0.85  
**Surface Coarse Fragments:** No surface coarse fragments

**Land Form Information**

**Landform Element (20m radius)**

**Element Slope Class:** Very gently sloped (1-3%)  
**Element Morph. Type:** Flat  
**Element Type:** Plain

**Landform Pattern (300m radius)**

**Pattern Type:** Plain  
**Pattern Slope Class:** Very gently sloped (1-3%)  
**Pattern Relief Class:** Extremely low (<9m)  
**Relief Modal Slope:** Gently undulating plain

**Inundation Frequency:** No Data  
**Rainfall:** No Data  
**Erosion:** No Data

**Aspect:** No Data  
**Elevation:** No Data

**Soil Classification**

**Australian Soil Classification:** Brown Sodosol  
**ASC Confidence:** No analytical data and little or no knowledge of this soil.  
**Soil Name:** Brumby

**Morphological Description**

Horizon	Depth	Description
A11	0 - 12cm	Very dark greyish brown (10YR 3/2) moist, silty clay loam; greyish brown (10YR 5/2) dry, silty clay loam; moderate, 5-10mm structure; no mottles; very few (<2%), fine (<2mm), ferromanganiferous nodules; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 0cm - 5cm EC (dS/m) 0.09; pH 5.76; Layer 5cm - 12cm EC (dS/m) 0.07; pH 5.77.
A12	12 - 26cm	Dark greyish brown (10YR 4/2) moist, silty clay loam; greyish brown (10YR 5/2) dry, silty clay loam; weak, 2-5mm structure; very few (<2%) mottles; few (2-10%), medium (2-6mm), ferromanganiferous nodules; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 12cm - 26cm EC (dS/m) 0.06; pH 5.74.
A2	26 - 36cm	Greyish brown (10YR 5/2) moist, silty loam; light brownish grey (10YR 6/2) dry, silty loam; massive structure; no mottles; few (2-10%), medium (2-6mm), ferromanganiferous nodules; non-repellent. Layer 26cm - 36cm EC (dS/m) 0.039; pH 5.61.
B2	36 - 62cm	Dark brown (10YR 3/3) moist, medium clay; massive structure; few (2-10%) mottles; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 36cm - 62cm EC (dS/m) 0.169; pH 6.2.
B3	62 - 85cm	Olive brown (2.5Y 4/4) moist, light clay; massive structure; few (2-10%) mottles; few (<10% of ped faces or walls coated), distinct clay skins; few (2-10%), coarse gravelly (20-60mm); non-repellent. Layer 62cm - 85cm EC (dS/m) 0.422; pH 7.25.
C	85 - 115cm	Light yellowish brown (2.5Y 6/4) moist, fine sandy light clay; massive structure; few (2-10%) mottles; common (10-20%), coarse gravelly (20-60mm); non-repellent. Layer 85cm - 115cm EC (dS/m) 0.635; pH 8.28.

