

**Site Information**

**Easting:** 522138  
**Northing:** 5388417  
**Describer:** R Moreton  
**Date:** 03-Mar-2017

**Runoff:** Very 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):** No Data  
**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:** Minor partially stabilised scald erosion

**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
WFP074 0-5	A1	0 - 15cm	Dark brown (10YR 3/3) moist, greyish brown (10YR 5/2) dry, fine sandy clay loam; weak, 5-10mm structure; no mottles; non-repellent. Layer 0cm - 5cm EC (dS/m) 0.138; pH 6.55; Layer 5cm - 15cm EC (dS/m) 0.187; pH 6.49.
5-15			
15-30	A2	15 - 30cm	Dark greyish brown (10YR 4/2) moist, silty loam; light brownish grey (10YR 6/2) dry, silty loam; massive structure; few (2-10%) mottles; few (2-10%), medium (2-6mm), ferromanganiferous nodules; moderately cemented, densipan pan; non-repellent. Layer 15cm - 30cm EC (dS/m) 0.097; pH 5.58.
30-48	B2	30 - 66cm	Dark yellowish brown (10YR 4/4) moist, light medium clay; moderate, 20-50mm structure; common (10-20%) mottles; few (2-10%), fine (<2mm), manganiferous soft segregations; non-repellent. Layer 30cm - 48cm EC (dS/m) 0.409; pH 7.52; Layer 48cm - 66cm EC (dS/m) 0.679; pH 8.25.
48-66			
66-84	B31	66 - 103cm	Brown (10YR 4/3) moist, light medium clay; moderate, 20-50mm structure; few (2-10%) mottles; few (<10% of ped faces or walls coated), faint slicken sides; few (2-10%), fine (<2mm), manganiferous soft segregations; non-repellent. Layer 66cm - 84cm EC (dS/m) 1.425; pH 8.29; Layer 84cm - 103cm EC (dS/m) 0.247; pH 7.89.
84-103			
103-133	B32	103 - 133cm	Dark greyish brown (10YR 4/2) moist, light medium clay; massive structure; very few (<2%) mottles; few (<10% of ped faces or walls coated), faint slicken sides; few (2-10%), fine (<2mm), manganiferous soft segregations; non-repellent. Layer 103cm - 133cm EC (dS/m) 0.241; pH 7.74.