

**Site Information**

**Easting:** 541505  
**Northing:** 5371926  
**Describer:** R Moreton  
**Date:** 05-Apr-2017

**Runoff:** Very slow  
**Permeability:** Slowly permeable  
**Drainage:** Poorly drained  
**Land Capability:** 4  
**Observation Type:** Undisturbed soil core

**Depth to Watertable (m):** No Data  
**Depth to Substrate (m):** 1.37  
**Surface Coarse Fragments:** No surface coarse fragments

**Land Form Information**

**Landform Element (20m radius)**

**Element Slope Class:** Level (<1%)  
**Element Morph. Type:** Open depression (vale)  
**Element Type:** Drainage depression

**Landform Pattern (300m radius)**

**Pattern Type:** Alluvial plain  
**Pattern Slope Class:** Level (<1%)  
**Pattern Relief Class:** Extremely low (<9m)  
**Relief Modal Slope:** Level 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
A1	0 - 13cm	Dark brown (10YR 3/3) moist; dark greyish brown (10YR 4/2) dry fine sandy clay loam; moderate, 5-10 mm structure; common (10-20%) mottles; non-repellent. Layer 0- 5cm EC (dS/m) 0.775; pH 6.22; Layer 5- 13cm EC (dS/m) 0.305; pH 6.15.
A2	13 - 20cm	Very dark greyish brown (10YR 3/2) moist; grey (10YR 5/1) dry loamy sand; massive structure; common (10-20%) mottles; few faint clay skins; common (10-20%), medium (2-6mm), ferromanganiferous nodules; moderately cemented, densipan pan; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 13- 20cm EC (dS/m) 0.21; pH 5.96.
B21	20 - 40cm	Brown (10YR 4/3) moist light medium clay; moderate, 10-20 mm structure; very few (<2%) mottles; few (2-10%), medium (2-6mm), ferromanganiferous nodules; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 20- 40cm EC (dS/m) 0.533; pH 6.65.
B22	40 - 62cm	Olive brown (2.5Y 4/4) moist medium clay; moderate, 10-20 mm structure; no mottles; few (2-10%), medium (2-6mm), ferromanganiferous nodules; few (2-10%), medium gravelly (6-20mm); non-repellent. Layer 40- 62cm EC (dS/m) 0.528; pH 7.64.
B3	62 - 110cm	Light olive brown (2.5Y 5/3) moist light medium clay; moderate, 10-20 mm structure; very few (<2%) mottles; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 62- 86cm EC (dS/m) 1.927; pH 7.85; Layer 86- 110cm EC (dS/m) 0.371; pH 7.36.
BC	110 - 137cm	Light olive brown (2.5Y 5/4) moist light medium clay; massive structure; few (2-10%) mottles; non-repellent. Layer 110- 137cm EC (dS/m) 0.281; pH 7.56.
CR	137 - 155cm	Light brownish grey (2.5Y 6/3) moist; very few (<2%) mottles; non-repellent.