

**Site Information**

**Easting:** 532500  
**Northing:** 5377733  
**Describer:** R Moreton  
**Date:** 23-Mar-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):** 1.13  
**Surface Coarse Fragments:** No surface coarse fragments

**Land Form Information**

**Landform Element (20m radius)**  
**Element Slope Class:** Level (<1%)  
**Element Morph. Type:** Flat  
**Element Type:** Plain

**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 Chromosol  
**ASC Confidence:** No analytical data and little or no knowledge of this soil.  
**Soil Name:** Brumby

**Morphological Description**



Horizon	Depth	Description
A1	0 - 7cm	Dark brown (10YR 3/3) moist, pale brown (10YR 6/3) dry, light fine sandy clay loam; weak, 2-5mm structure; few (2-10%) mottles; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 0cm - 5cm EC (dS/m) 0.126; pH 6.56; Layer 7cm - 14cm EC (dS/m) 0.95; pH 5.57.
A2e	7 - 14cm	Yellowish brown (10YR 5/4) moist, light grey (10YR 7/2) dry, fine sandy clay loam; massive structure; common (10-20%) mottles; common (10-20%), medium (2-6mm), ferromanganiferous nodules; densipan pan; few (2-10%), fine gravelly (2-6mm); non-repellent. Layer 7cm - 14cm EC (dS/m) 0.95; pH 5.57; Layer 14cm - 43cm EC (dS/m) 0.687; pH 6.89.
B21	14 - 43cm	Brown (10YR 4/3) moist, medium clay; moderate, 10-20mm structure; few (2-10%) mottles; few (2-10%), medium (2-6mm), manganiferous soft segregations; few (2-10%), fine gravelly (2-6mm); non-repellent. Layer 14cm - 43cm EC (dS/m) 0.687; pH 6.89; Layer 43cm - 65cm EC (dS/m) 1.254; pH 7.71.
B22	43 - 65cm	Dark yellowish brown (10YR 4/4) moist, sandy light medium clay; weak, 10-20mm structure; few (2-10%) mottles; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 43cm - 65cm EC (dS/m) 1.254; pH 7.71; Layer 65cm - 95cm EC (dS/m) 1.553; pH 7.97.
B31	65 - 95cm	Olive yellow (2.5Y 6/6) moist, sandy light clay; massive structure; few (2-10%) mottles; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 65cm - 95cm EC (dS/m) 1.553; pH 7.97; Layer 95cm - 125cm EC (dS/m) 1.807; pH 8.0.
B32	95 - 125cm	Light yellowish brown (2.5Y 6/4) moist, sandy clay loam; massive structure; few (2-10%) mottles; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 95cm - 125cm EC (dS/m) 1.807; pH 8.0; Layer 125cm - 155cm EC (dS/m) 1.75; pH 7.64.
C	125 - 155cm	Light olive brown (2.5Y 5/3) moist, sandy light clay; massive structure; few (2-10%) mottles; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 125cm - 155cm EC (dS/m) 1.75; pH 7.64.

