

**Site Information**

**Easting:** 511667  
**Northing:** 5305589  
**Describer:** R Moreton  
**Date:** 21-Jun-2017

**Runoff:** Rapid  
**Permeability:** Slowly permeable  
**Drainage:** Imperfectly drained  
**Land Capability:** 5  
**Observation Type:** Undisturbed soil core

**Depth to Watertable (m):** No Data  
**Depth to Substrate (m):** 1.47  
**Surface Coarse Fragments:** No surface coarse fragments

**Land Form Information**

**Landform Element (20m radius)**

**Element Slope Class:** Moderately inclined (10-32%)  
**Element Morph. Type:** Mid-slope  
**Element Type:** Hillslope

**Landform Pattern (300m radius)**

**Pattern Type:** Hills  
**Pattern Slope Class:** Steep (32-56%)  
**Pattern Relief Class:** High (90-300m)  
**Relief Modal Slope:** Steep hills

















**Inundation Frequency:** No Data  
**Rainfall:** No Data  
**Erosion:** Partially stabilised, Minor sheet erosion

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

**Soil Classification**

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

**Morphological Description**

Horizon Depth	Description
 0 - 5	 A1 0 - 10cm Very dark brown (10YR 2/2) moist, very dark greyish brown (10YR 3/2) dry, fine sandy clay loam; moderate 2-5mm structure; no mottles; very few (<2%), fine gravelly (2-6mm); strongly water repellent. Layer 0cm - 5cm EC (dS/m) 0.165; pH 5.25; Layer 5cm - 10cm EC (dS/m) 0.152; pH 5.13.
 5 - 10	
 10 - 26	 A3 10 - 26cm Very dark grey (10YR 3/1) moist, dark greyish brown (10YR 4/2) dry, fine sandy clay loam; moderate 5-10mm structure; no mottles; common (10-20%), medium gravelly (6-20mm); non-repellent. Layer 10cm - 26cm EC (dS/m) 0.162; pH 5.5.
 26 - 56	 B21 26 - 56cm Very dark greyish brown (10YR 3/2) moist, light medium clay; strong 20-50mm structure; few (2-10%) mottles; common (10-50% of ped faces or walls coated), distinct clay skins; few (2-10%), medium gravelly (6-20mm); non-repellent. Layer 26cm - 56cm EC (dS/m) 0.681; pH 7.09.
 56 - 86	 B22r 56 - 86cm Very dark greyish brown (10YR 3/2) moist, light medium clay; strong 20-50mm structure; no mottles; common (10-20%), medium gravelly (6-20mm); non-repellent. Layer 56cm - 86cm EC (dS/m) 0.9; pH 7.53.
 86 - 116	 B31 86 - 116cm Dark greyish brown (10YR 4/2) moist, medium clay; strong 20-50mm structure; few (2-10%) mottles; few (2-10%), fine gravelly (2-6mm); non-repellent. Layer 86cm - 116cm EC (dS/m) 1.583; pH 6.61.
 116 - 147	 B32 116 - 147cm Very dark greyish brown (10YR 3/2) moist, light medium clay; moderate 20-50mm structure; no mottles; non-repellent. Layer 116cm - 147cm EC (dS/m) 1.394; pH 4.75.
 147 - 155	 BC 147 - 155cm Dark greyish brown (2.5Y 4/2) moist, fine sandy light medium clay; massive structure; few (2-10%) mottles; non-repellent. Layer 147cm - 155cm EC (dS/m) 0.934; pH 4.62.