

**Site Information**

**Easting:** 538998  
**Northing:** 5372692  
**Describer:** R Moreton  
**Date:** 06-Apr-2017

**Runoff:** Moderately rapid  
**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:** Few (2-10%), Cobbly (60-200mm), Dolerite

**Land Form Information**

**Landform Element (20m radius)**

**Element Slope Class:** Gently inclined (3-10%)  
**Element Morph. Type:** Mid-slope  
**Element Type:** Hillslope

**Landform Pattern (300m radius)**

**Pattern Type:** Low hills  
**Pattern Slope Class:** Gently inclined (3-10%)  
**Pattern Relief Class:** Very low (9-30m)  
**Relief Modal Slope:** Undulating rises

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

**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
Ap	0 - 10cm	Very dark brown (10YR 2/2) moist, dark greyish brown (10YR 4/2) dry, sandy clay loam; strong, 10-20mm structure; no mottles; very few (<2%), fine (<2mm), manganiferous soft segregations; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 0cm - 5cm EC (dS/m) 0.484; pH 5.61; Layer 5cm - 10cm EC (dS/m) 0.325; pH 5.73.
B1	10 - 30cm	Very dark grey (10YR 3/1) moist, light medium clay; strong, 20-50mm structure; few (2-10%) mottles; few (<10% of ped faces or walls coated), distinct clay skins; few (2-10%), medium (2-6mm), ferromanganiferous nodules; non-repellent. Layer 10cm - 30cm EC (dS/m) 0.45; pH 6.66.
B2	30 - 55cm	Very dark greyish brown (10YR 3/2) moist, light medium clay; strong, 20-50mm structure; no mottles; few (<10% of ped faces or walls coated), distinct slicken sides; very few (<2%), fine (<2mm), calcareous soft segregations; very few (<2%), fine gravelly (2-6mm); non-repellent. Layer 30cm - 55cm EC (dS/m) 0.923; pH 7.78.
B3k	55 - 85cm	Very dark greyish brown (10YR 3/2) moist, light medium clay; strong, 20-50mm structure; no mottles; few (<10% of ped faces or walls coated), distinct slicken sides; common (10-20%), coarse (6-20mm), calcareous soft segregations; few (2-10%), cobbly (60-200mm); non-repellent. Layer 55cm - 85cm EC (dS/m) 0.268; pH 7.86.
Cr	85 - 140cm	Light yellowish brown (2.5y 6/4) moist, clay loam; massive structure; common (10-20%) mottles; common (10-20%), coarse gravelly (20-60mm); non-repellent. Layer 85cm - 112cm EC (dS/m) 0.23; pH 7.93; Layer 112cm - 140cm EC (dS/m) 1.756; pH 7.76.