

**Site Information**

**Easting:** 511993  
**Northing:** 5303918  
**Describer:** R Moreton  
**Date:** 21-Jun-2017

**Runoff:** Very slow  
**Permeability:** Slowly permeable  
**Drainage:** Poorly drained  
**Land Capability:** 5  
**Observation Type:** Undisturbed soil core

**Depth to Watertable (m):** No Data  
**Depth to Substrate (m):** 1.27  
**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:** Terrace flat

**Landform Pattern (300m radius)**

**Pattern Type:** Alluvial 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:** No Data

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

**Soil Classification**

**Australian Soil Classification:** Black Vertosol  
**ASC Confidence:** No analytical data are available but confidence is fair.  
**Soil Name:**

**Morphological Description**

Horizon	Depth	Description
A11	0 - 12cm	Dark reddish brown (5YR 2.5/2) moist sandy clay loam; strong, 5-10 mm structure; no mottles; non-repellent. Layer 0- 5cm EC (dS/m) 0.23; pH 5.75; Layer 5- 12cm EC (dS/m) 0.234; pH 5.9.
A12	12 - 29cm	Dark brown (10YR 3/3) moist clay loam; strong, 5-10 mm structure; no mottles; few (2-10%), medium gravelly (6-20mm); non-repellent. Layer 12- 29cm EC (dS/m) 0.175; pH 6.53.
2A1	29 - 40cm	Very dark brown (10YR 2/2) moist light clay; strong, 10-20 mm structure; few (2-10%) mottles; few (2-10%), medium gravelly (6-20mm); non-repellent. Layer 29- 40cm EC (dS/m) 0.494; pH 7.47.
2B2	40 - 54cm	Black (10YR 2/1) moist light medium clay; strong, 20-50 mm structure; few (2-10%) mottles; many (>50% of ped faces or walls coated), prominent slicken sides; non-repellent. Layer 40- 54cm EC (dS/m) 1.409; pH 8.01.
2B3k	54 - 80cm	Very dark greyish brown (10YR 3/2) moist light medium clay; strong, 20-50 mm structure; common (10-20%) mottles; common (10-50% of ped faces or walls coated), distinct clay skins; many (20-50%), medium (2-6mm), manganiferous soft segregations; non-repellent. Layer 54- 80cm EC (dS/m) 1.694; pH 8.26.
2BC1k	80 - 110cm	Light olive brown (2.5y 5/4) moist sandy light clay; massive structure; common (10-20%) mottles; common (10-20%), medium (2-6mm), calcareous crystals; non-repellent. Layer 80- 110cm EC (dS/m) 0.846; pH 8.44.
2BC2	110 - 127cm	Light olive brown (2.5y 5/3) moist fine sandy light clay; massive structure; common (10-20%) mottles; non-repellent. Layer 110- 127cm EC (dS/m) 0.59; pH 8.08.
C	127 - 128 cm	Dark yellowish brown (10YR 4/4) moist clayey sand; massive structure; few (2-10%) mottles; non-repellent.