

APPENDIX 21 – Soil Profile Description

MAP UNIT: WHITE STONE SWAMP

Location: [Australian 1:100,000 Topographic Survey, 7623 Creswick, Grid Reference: YD275549]

Northcote Principal Profile Form: Ug 5.16

Landform: on a long wide flat drainage depression (a former swamp)

Profile description:

Depth (cm)

0-10	A	Coarse crumb on surface grading to angular blocky (15-20 mm) at 10 cm depth; medium clay; pH 8.5; 2.5YR3/0 [very dark grey] (wet and dry); large cracks common on the surface diffuse boundary to
10-40	B ₁	Very coarse (10 x 15 x 30 cm) prismatic primary structure, strong angular blocky (15-40 mm) secondary structure; heavy clay; pH 8.5; 2.5YR3/0 [very dark grey] (wet and dry); some slickensides diffuse boundary to
40-80	B ₂	Very strong coarse (10 x 15 x 30 cm) prismatic primary structure, strong angular blocky (15-40 mm) secondary structure; heavy clay; pH 8.5; 5YR4/1 [dark grey] (wet and dry); common red-orange rootline stains and many slickensides diffuse boundary to
40-80	BC	Too wet for a structure determination; heavy clay; pH 8.5; 80% 5YR5/1 [grey] (wet); 15% 5YR6/3 [light reddish brown] (wet); 5% 7.5YR5/8 [strong brown] (wet)