

APPENDIX 24 – Soil Profile Description

MAP UNIT: MT MISERY SLOPES

Location: [Australian 1:100,000 Topographic Survey, 7523 Beaufort, Grid Reference: YD174726]

Northcote Principal Profile Form: Db 2.41

Landform: upper mid-slope

Profile description:

Depth (cm)

- 0-15 A₁ Weak to moderate crumb structure, weak consistence;
sandy loam;
pH 6.5;
2.5Y5/3 [light olive brown] (dry), 2.5Y3/2 [very dark greyish brown] (wet)

diffuse boundary to
- 15-45 A₂ Hardsetting; massive structure;
loamy sand;
pH 6;
10YR6/3 [pale brown] (dry), 2.5YR4/3 [reddish brown] (wet)

clear boundary to
- 45-120 B Strong angular rough-faced blocky (10-40 mm) secondary structure, strong coarse rough-faced
prismatic primary structure;
heavy clay;
pH 4.5;
60% 2.5Y5/3 [light olive brown] (dry), 2.5Y4/4 [olive brown] (wet);
40% 2.5YR4/6 [red] (dry), 2.5YR3/6 [dark red] (wet);
brown coatings on most ped surfaces, mica flakes throughout matrix