

<b>CHIRNSIDE (Chi) LAND SYSTEM (Area: 16 km<sup>2</sup>; 0.5%)</b>		
Hill slopes on olivine basalt with black clay soils; eucalypt woodland, now cleared.		
<b>LAND COMPONENT</b>	1	2
Proportion (%)	60	40
<b>CLIMATE</b>	Annual precipitation 800-900 mm	
<b>GEOLOGY</b>	Tertiary olivine basalt capping over Silurian mudstones	
<b>TOPOGRAPHY</b>	Hill slopes	
Elevation (m)	100-180	
Local Relief (m)	60	
Land Form	Hill slopes	
Position	Colluvial lower slopes	Upper slopes
Sideslope (%)	4-12; ave. 7	10-20; ave. 14
Slope Shape	Concave	Concave and convex
<b>NATIVE VEGETATION</b>	Woodland	
Structure	Woodland	
Association	Not known. Area cleared and no native tree left.	
<b>SOILS</b>	All cleared for grazing, but now subdivided for urban development.	
Group	Black cracking clay soil (duplex soil in transition zone towards sedimentary rock)	Shallow cracking clay soil
Northcote Class	Ug 5.15	Ug 5.12
Surf. Texture	Clay loam	Clay loam
Subsurf. Texture	Medium clay	Clay loam to medium clay
Permeability	Low	Low
Soil Depth (m)	1.00->2.00; ave. 1.70	0.80-1.50; ave. 1.50
<b>LAND USE</b>	Foundation instability from expansive clays.	
<b>HAZARDS</b>	Foundation instability from expansive clays.	
<b>CAPABILITY</b>	II	
Urban Subdivision	A	
Rurban Subdivision	A	
Agriculture	2	3