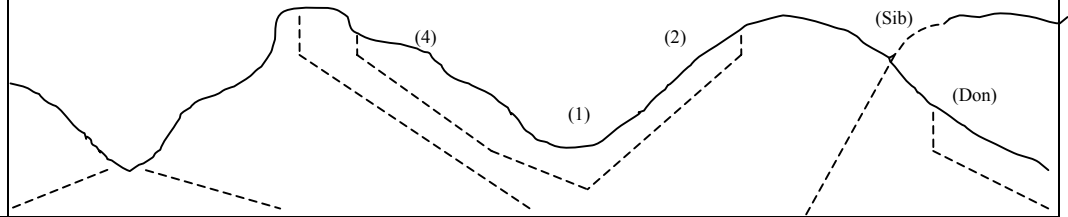


MOUNT RIDDELL (Mri) LAND SYSTEM (Area: 376 km²; 12.7%)

Mountains on volcanic rocks with red and brown and locally stony gradational soils; open-forest (various communities).



| | | | | |
|--------------------------|---|--|-----------------------------------|--------------------------------------|
| LAND COMPONENT | 1 | 2 | 3 | 4 |
| Proportion (%) | 3 | 45 | 7 | 45 |
| CLIMATE | Annual precipitation 1000-1600 mm | | | |
| GEOLOGY | Cerberian volcanics: rhyodacite, some toscanite and porphyrite; also strongly metamorphosed rocks as hornfels. | | | |
| TOPOGRAPHY | | | | |
| Elevation (m) | 300-1200 | | | |
| Local Relief (m) | 400-900 | | | |
| Land Form | Bold mountains with mostly narrow crests and steep, locally very steep slopes; locally with benches. | | | |
| Position | Narrow drainage lines | Exposed slopes | Narrow crests (but locally broad) | Sheltered slopes |
| Sideslope (%) | Stream grade: 5 | 20->60; ave. 35 | <20 | 20->60; ave. 35 |
| Slope Shape | - | Variable | Convex | Variable |
| NATIVE VEGETATION | | | | |
| Structure | Open-forest, locally tall open-forest | | | |
| Association | Messmate, long leaf box, stringybark, shining gum at lower levels, grading with increasing altitude through mountain ash, shining gum, to alpine ash. | | | |
| SOILS | | | | |
| Group | Mountain ash, myrtle beech in sheltered areas | Included broad leaf peppermint | Stunted alpine ash at high levels | Myrtle beech in sheltered locations |
| Northcote Class | - | Friable red and brown gradational soil, deep dark topsoil but frequently shallow and very strong on the steepest slopes and spurs, and on some crests areas. | | |
| Surf. Texture | - | Gn 3.11 | Gn 3.2 | Gn 3.2 |
| Subsurf. Texture | - | Fine sandy loams to silt loams | | |
| Permeability | - | Silty clay loam to silty clays | | |
| Soil Depth (m) | - | High | | |
| LAND USE | - | Lower slopes: 1.50>2.00; Steep upper slopes: 0.50-1.50 | | |
| HAZARDS | Mostly under native forest. Some logging. Catchment areas. Some exotic timber plantations. Recreation | | | |
| CAPABILITY | | | | |
| Urban Subdivision | - | High sheet erosion after disturbance. | Low sheet erosion. | High sheet erosion after disturbance |
| Rurban Subdivision | IV | IV | II | IV |
| Agriculture | D | D | B | D |
| Agriculture | 4 | 4 | 3 | 4 |