

533241

LONG RIDGE

There is only a single, small occurrence of Long Ridge land system in Region 3, comprising the valley slopes along a stretch of the Mersey River, north of Chudleigh Ordovician quartzwacke, siltstone and siliceous conglomerate constitute the parent materials Most of this land system occurs in Region 4

Very gravelly soils occur on the conglomerate rock of the crests and steep upper slopes, while stony duplex soils have developed on the more argillaceous parent materials Stony red soils

cover the gentler midslopes and mottled sods occupy the lower slopes

The vegetation is a forest and this becomes tall on the more protected lower slopes Stringybark and black peppermint are the two dominants but some white gum also is present Manuka and certain wattles feature prominently in the lower strata along with a mixture of other shrub species

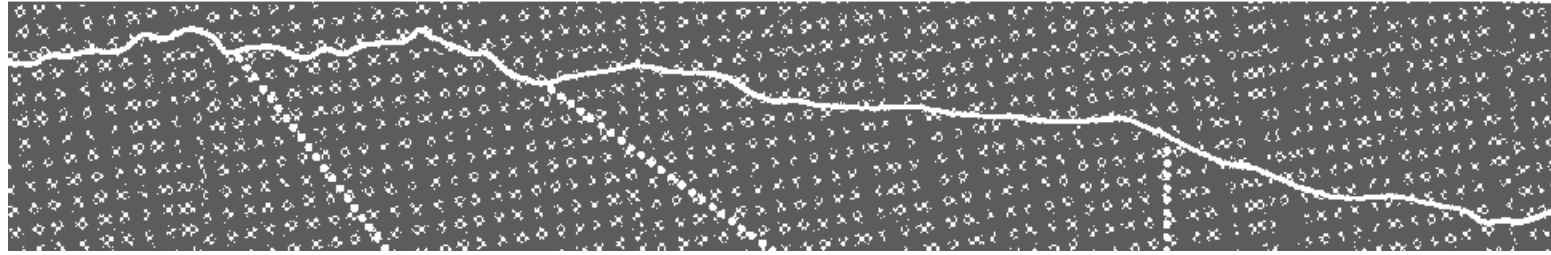
Land uses are recorded as nature conservation, forestry, gravel mining and grazing

The principal soil erosion hazard is associated with the gravelly and the brownish yellow duplex soils on the steeper slopes

LAND SYSTEM

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Long Ridge



COMPONENT	1	2	3	4
PROPORTION %	15	20	40	25
CLIMATE	Average Annual Rainfall 1 000-1 250 mm			
GEOLOGY	Conglomerate	Ordovician conglomerate, quartzwacke, siltstone		
TOPOGRAPHY				
Land form	Hills and narrow ridges trending NW-SE			
Position	Crests and steep upper slopes		Gentler midslopes	
Average Sideslope	8	10	7	8
NATIVE VEGETATION Structure	Open forest		Tall open forest	
Association	Black peppermint, stringybark, manuka, heath	Strmgybark, black peppermint, manuka, bull oak, white gum, native cherry, guitar plant, bitter leaf, honeysuckle, bracken	Strmgybark, prickly mimosa, silver wattle, manuka, guitar plant, <i>Bedfordia salicina</i> , <i>Helichrysum dendroideum</i>	Strmgybark, prickly mimosa, silver wattle, <i>Bedfordia salicina</i> , <i>Heli chrysum dendroideum</i> , paperbark
SOIL	Cemented light grey (10 YR 7/1) gravel soil with dark peat surface	Stony, brownish yellow (10 YR 6/8) duplex soil	Stony red (2.5 YR 4/8) gradational soil	Mottled grey (10 YR 6/1) strong brown (7.5 YR 5/8) gradational soil
Surface Texture	Gravelly loam		Clay loam	
Permeability	High		Moderate	
Average Depth m	1.8	1.2	0.8	1.3
PRESENT LAND USE	Nature conservation, forestry, gravel mining, grazing			
HAZARDS	High sheet and gully erosion		Moderate gully and sheet erosion	