

714141

DETENTION RANGE

The steep ridges trending NE-SW and constituting the Detention Range and the eastern fall of the Dip Range are comprised of Precambrian mudstone and quartzite.

The relatively shallow, gravelly, dark coloured soils include gradational and organic profiles.

On the highest parts black peppermint forms an open tree canopy above a dense scrub of manuka and *Monotoca glauca*. A myrtle rainforest occupies the steep lower slopes and a closed scrub of horizontal grows in the flowlines.

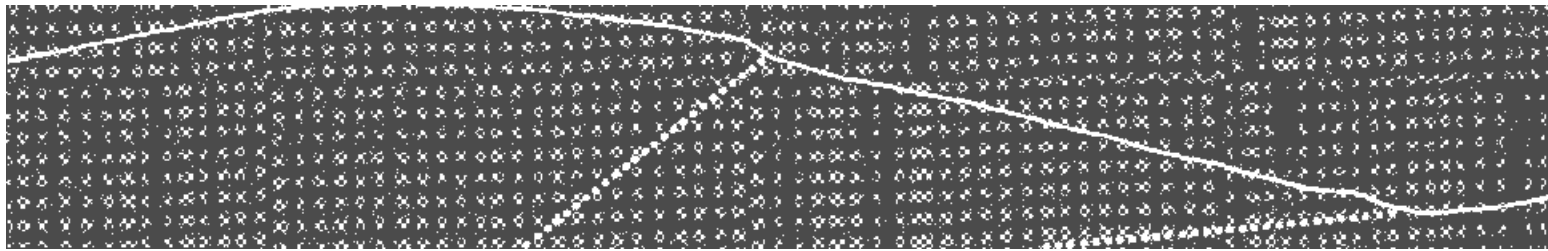
Nature conservation and forestry are the principal land uses.

There is a high soil erosion hazard on the spurs and upper slopes.

LAND SYSTEM

714141

Detention Range



COMPONENT	1	2	3
PROPORTION %	50	40	10
CLIMATE	Average Annual Rainfall 1 500-2 000 mm		
GEOLOGY	Precambrian mudstone, quartzite		
TOPOGRAPHY			
Land form		Steep ridges trending NE-SW	
Position	Crests, upper slopes	Steep lower slopes	Flowlines
Average Sideslope °	10	17	7
NATIVE VEGETATION			
Structure	Open forest, closed scrub	Closed forest	Closed scrub
Association	Black peppermint, manuka, <i>Montoca glauca</i>	Myrtle, native laurel, black peppermint, hard water fern, <i>Baeckea</i> sp	Horizontal
SOIL			
	Gravelly, dark grey (5 YR 4/1) gradational soil, fine structure	Gravelly, reddish black (10 R 2/1) sandy clay loam organic soil, fine structure	Gravelly, very dusky red (10 R 2/2) gradational soil
Surface Texture	Gravelly loam	Organic loam	Clay loam
Permeability	High		
Average Depth m	0.4	0.5	0.3
PRESENT LAND USE	Nature conservation, forestry		
HAZARDS	High sheet and rill erosion	High sheet and gully erosion	Low gully erosion