

464131

BANGOR

Characterised by a topography of low, gently rolling hills formed on Permain mudstones and siltstones, this system is found in the north and south of the Region. The main occurrences are the Bangor-Lilydale area, Beaconsfield-Glengarry area and around Mt Nicholas near St Marys. These deposits are composed of both the upper and lower Permain sequences.

Soils vary from duplex and uniform clays on the upper slopes, to gradational on the lower slopes. The soils on the upper sequence of deposits are generally sandier than those on the lower sequence of deposits. Soil colours are highly variable,

although strong brown and grey dominate, with mottled soils common. The soil surface is often scattered with rock fragments and water-worn pebbles.

The open-forest canopy is dominated by eucalypts. Black peppermint and white gum predominate, except in the swales where the dominant species is swamp gum. Silver wattle, varnished wattle, manuka and heath are the main understorey plants.

Grazing and forestry are the main land uses. Large areas have been cleared and sown to improved pasture for grazing, although small areas remain undeveloped.

Hazards associated with these sandy soils are sheet, wind and gully erosion. Landslips are common in the Bangor-Lilydale area, especially on the mid and upper slopes.

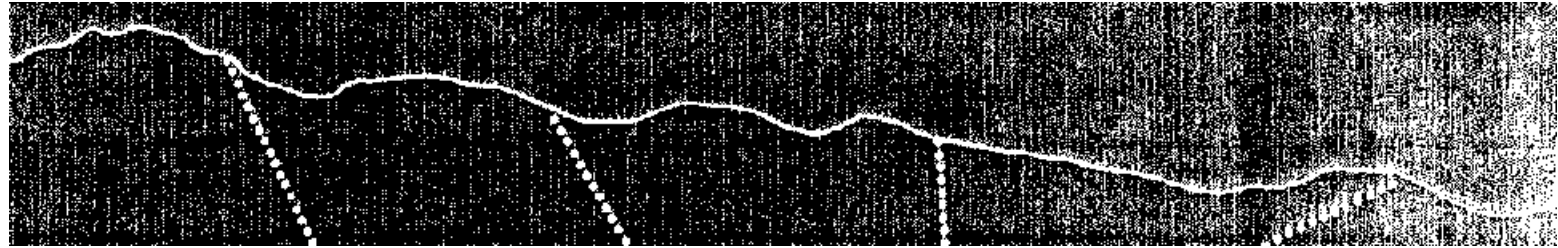


Mid and lower slopes.

LAND SYSTEM

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COMPONENT	1	2	3	4	5
PROPORTION %	15	20	25	30	10
CLIMATE	Average Annual Rainfall 750-1 000 mm				
GEOLOGY	Permian mudstones and siltstones				
	Upper and lower sequences	Upper sequence		Lower sequence	
TOPOGRAPHY					
Land form			Low, gently rolling hills		
Position	Upper slopes		Mid slopes	Lower slopes	Swales
Average Sideslope °	7	5	4	4	3
NATIVE VEGETATION Structure			Open-forest		
Association	Stringybark, white gum, black peppermint, dog-wood, varnished wattle, manuka, <i>Acacia mucronata</i> , heath, bracken fern	Black peppermint, white gum, silver wattle, bracken, <i>Helichrysum dendroideum</i>	Black peppermint, swamp gum, silver wattle, <i>Olearia lirata</i> , heath, honeysuckle, bracken fern	Black peppermint, white gum, silver wattle, native cherry, bull-oak, manuka, <i>Acacia stricta</i> , bracken fern	Swamp gum, woolly tea-tree, paperbark
SOIL	Mottled grey (5 YR 5/1) strong brown (7.5 YR 5/8) clay soil, uniform texture	Greyish brown (2.5 YR 5/2) duplex soil	Mottled greyish brown (10 YR 5/2) strong brown (7.5 YR 5/8) duplex soil	Strong brown (7.5 YR 5/8) gradational soil	Mottled grey (10 YR 6/1) strong brown (7.5 YR 5/8) gradational soil
Surface Texture	Light clay	Sandy loam		Clay loam	
Permeability		Moderate			Low
Average Depth m	1.5	>2.0	1.0	>2.0	
PRESENT LAND USE	Grazing, forestry, nature conservation				
HAZARDS	Moderate sheet erosion landslips	Low wind and gully erosion landslips	Low wind erosion landslips	Low sheet erosion	Low sheet and gully erosion