

454131

LEFROY

Comprised of low hills trending north-north-west and formed on mudstone-slate deposits, this system stretches from Lefroy and Pipers River to Lower Turner Marsh and includes the Den Ranges. -Smaller areas are found near Turquoise Bluff and Pipers Brook. Small areas of this system are found scattered throughout the Retreat Land System (453131).

These deposits, commonly referred to as the Mathinna Beds, are argillaceous and result in finer-textured soils than those found on the sandstone-mudstone deposits of the Retreat system.

The open-forest is dominated by stringybark and black peppermint.

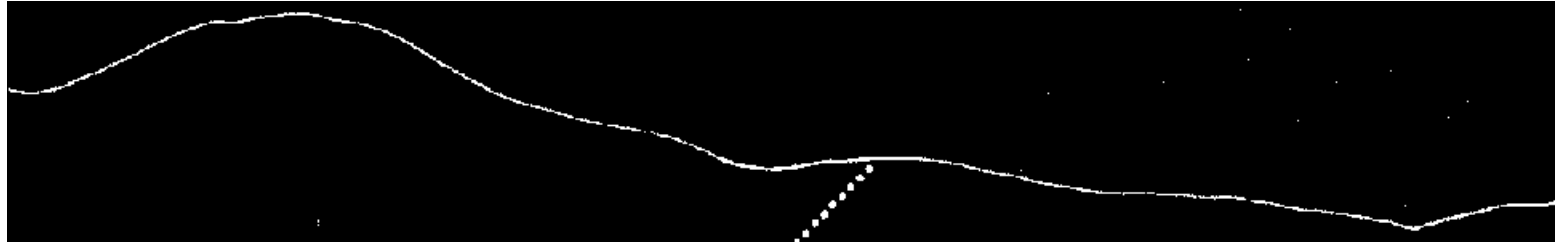
The major land uses are forestry (hardwood and softwood), nature conservation and recreation, with only small areas cleared for grazing.

The sandy soils are prone to sheet, gully and rill erosion, especially on the crests and upper slopes.

LAND SYSTEM

454131

Lefroy



COMPONENT	1	2
PROPORTION %	55	45
CLIMATE	Average Annual Rainfall 750-1 000 mm	
GEOLOGY	Lower Devonian— Tremadocian— Cambrian (Mathinna Beds) mudstone— slate sequence	
TOPOGRAPHY		
Land form	Low hills trending N.N.W.	
Position	Crests and upper slopes	Lower slopes
Average Sideslope °	10	4
NATIVE VEGETATION	Open-forest	
Structure		
Association	Stringybark, black peppermint, sunshine wattle, woolly tea-tree, <i>Lomandra</i> sp., <i>Exocarpus syrticola</i>	Stringybark, black peppermint, <i>Acacia stricta</i> , woolly tea-tree, manuka
SOIL	Gravelly, yellowish brown (10 YR 5/8) gradational soil	Brownish yellow (10 YR 6/8) gradational soil
Surface Texture	Gravelly clay loam	Sandy clay loam
Permeability	Moderate	
Average Depth m	1.0	1.2
PRESENT LAND USE	Forestry, nature conservation, recreation, grazing	
HAZARDS	Severe sheet and gully erosion and rilling	Moderate sheet erosion and rilling