

813131

PINE CREEK

Large areas along the Pieman River and including most of the country from Zeehan north to Mt Livingstone and from Renison Bell to near the west coast at Granville Harbour consist of low hills formed on siliceous Precambrian sediments.

The system is characterised by shallow organic soils and low heath and sedge vegetation. A mantle of large gravel is a feature of the skeletal soils on the crests and upper slopes. Diminutive forms of shrub such as *Leptospermum nitidum* and *Epacris lanuginosa* grow here, with button grass, *Restio oligocephalus* and *Sprengelia incarnata*. Button grass and other sedges dominate

in the swales and on the footslopes with shrubs of secondary importance. Along the drainage lines, stunted Smithton peppermint, manuka and *Melaleuca squarrosa* constitute a scrub community.

Isolated patches of yellowish brown clays and duplex soils are associated with remnants of Permian Upper Carboniferous parent material. These soils support a woodland of Smithton peppermint and swamp gum with manuka, cutting grass and *Melaleuca squarrosa*.

Pine Creek land system mainly serves as a zone of nature conservation.

It is particularly susceptible to degradation, especially from fires and by sheet erosion.

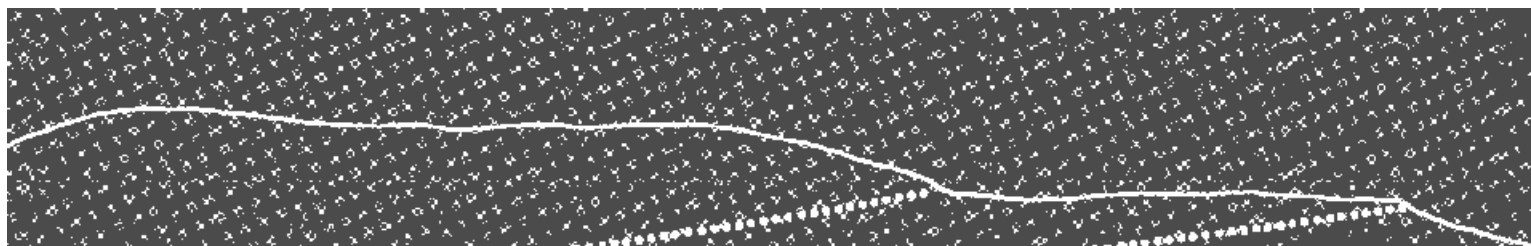


Pine Creek land system with Munday Hill land system in the background.

LAND SYSTEM

813131

Pine Creek



| | | | |
|---------------------|---|---|---|
| COMPONENT | 1 | 2 | 3 |
| PROPORTION % | 60 | 30 | 10 |
| CLIMATE | Average Annual Rainfall 2 000-2 500 mm | | |
| GEOLOGY | Precambrian siliceous slate, conglomerate | | |
| TOPOGRAPHY | | Low hills | |
| Land form | | | |
| Position | Crests, upper slopes | Footslopes, swales | Drainage lines |
| Average Sideslope ° | 8 | 5 | 15 |
| NATIVE VEGETATION | Open heath and sedgeland <i>Leptospermum nitidum</i> , button grass, <i>Restio oligocephalus</i> , <i>Epacris lanuginosa</i> , <i>Sprengelia incarnata</i> | Sedgeland Button grass, <i>Xyris operculata</i> , <i>Leptocarpus tenax</i> , <i>Sprengelia incarnata</i> , <i>Leptospermum nitidum</i> | Open scrub Smith ton peppermint, manuka, <i>Melaleuca squarrosa</i> , tassel cord bush |
| Structure | | | |
| Association | | | |
| SOIL | Gravelly peat, large gravel mantle | Silty peat | Black sandy loam soil, uniform texture |
| Surface Texture | | Peat | |
| Permeability | | High | |
| Average Depth m | 0.1 | 0.5 | |
| PRESENT LAND USE | Nature conservation | | |
| HAZARDS | High sheet erosion | | High gully erosion |