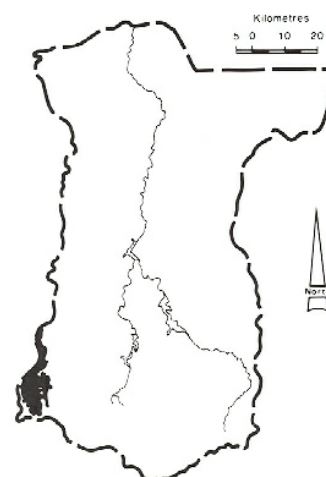


2.31 Rg/uS2 RISES – gently undulating to undulating, SEDIMENTARY, type 2

Undulating terrain on weathered sedimentary rock occurs in the valleys of the Burnbank and Bet Bet Creeks near Lexton in the south-west of the study area. The characteristic feature of the unit is the severe gully erosion and salting on many of the lower slopes and in drainage depressions. Towards the north near Lamplough, the mapping unit forms a very gentle catchment divide, possibly protected from stream incision by the basalt flow of map unit PgB5.



Geology O1 – Ordovician sandstone and shale

Rainfall 500-700 mm per annum

Dominant landform element (80%) Crest, slope

Minor landform elements (20%) Drainage depression, gully, flat

Soils Dominant: Dy3.42, Dy2.42. Mottled or whole-coloured yellow-brown duplex soils, frequently with red subsoils; a pale or bleached A₂, especially on the lower slopes and depressions, is usually present and may contain quartz gravel

Minor: Gn3.74, Gn3.14. The upper slopes and crests carry shallower soils – usually a faintly mottled yellow-brown or red-brown gradational soils with a thin pale A horizon containing quartz gravel

Native vegetation Common tress species include: *E. melliodora*, *E. goniocalyx*, *E. polyanthemos*, *E. macrorrhyncha* and *E. viminalis* in the south; and, in the north, *E. microcarpa*, *E. leucoxylon* and occasionally *E. sideroxylon*: in uncleared areas these tress usually from an open forest II, but most of the mapping unit is cleared; *E. camaldulensis* grows in the drainage depressions

Stone-rock outcrop Nil

Pans Weakly cemented hardpans occur in some drainage depressions, but the agent of cementation had not been identified

Land use Predominantly grazing, with minor forest products from native forest near Lamplough

Observed land deterioration Severe gully erosion and salting in many of the drainage depressions sand, as a result the salting, sheet erosion is also common on the lower slopes

Susceptibility to land deterioration

Gully erosion (high)

Salting (high)

Sheet erosion (moderate)

Compaction (low to moderate)



Salting is common in the lower-lying areas.



The gully erosion and salting common in this unit is the result of imprudent clearing within the catchment.