

764231

### Stockers Creek

Situated on the footslopes of the Great Western Tier and Quamby Bluff is the Stockers Creek Land System comprising broad, smooth slopes incised by minor creek systems. The area is underlain by Lower Permian sediments of Lower Carboniferous to Permian age consisting of interbedded mudstone, siltstone and sandstone. Upper slopes often contain doleritic talus material which has moved down from the Great Western Tier land system.

Flats, drainage lines, lower slopes and mid slopes have yellowish brown duplex soils, while upper slopes have dark brown gradational soils. Well drained gradational soils tend to support taller forests of ash (*Eucalyptus delegatensis* and *E. obliqua*) and gum species (*E. viminalis*) with the poorer duplex soils being dominated by the peppermint *E. amygdalina*. Floristic composition of the understorey is relatively uniform with *Acacia melanoxylon* and *Pultenaea juniperina* widespread.

Sheep and cattle grazing are the most important land uses.

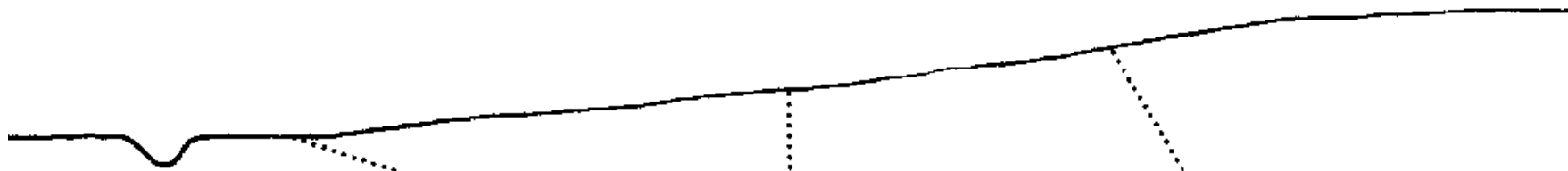
Hazards include rill, gully, sheet and tunnel erosion.

LAND SYSTEM

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Area (ha):  
5396



COMPONENT	1	2	3	4
PROPORTION(%)	20	30	20	30
RAINFALL(mm)	Approximate Annual Rainfall: 1500-2000			
GEOLOGY	Lower Parmeener Supergroup (Upper Carboniferous to Permian sediments)			
TOPOGRAPHY	Slopes dissected by minor creeks			
Position	Flats/Drainage Lines	Lower Slopes	Mid Slopes	Upper Slopes
Typical Slope(°)	0-5	1-5	5-7	0-5
NATIVE VEGETATION			Open Forest to	Open Forest to
Structure	Open Forest	Open Forest	Tall Open Forest	Tall Open Forest
Floristic Association (See Appendix 1 for common names)	Eucalyptus amygdalina E. viminalis Acacia melanoxylon A. dealbata	Eucalyptus amygdalina B. viminalis Acacia melanoxylon A. dealbata Exocarpos cupressiformis Cassinia aculeata Pultenaea juniperina	Eucalyptus obliqua E. delegatensis E. viminalis E. amygdalina Acacia melanoxylon A dealbata Exocarpos cupressiformis Pultenaea juniperina Cassinia aculeata	Eucalyptus delegatensis E. obliqua E. viminalis E. dalrympleana Acacia melanoxylon A. dealbata Cassinia aculeata Pultenaea juniperina
SOIL Surface(A)Texture	Silt Loam	Sandy Loam-Clay Loam	Loam-Silty Clay Loam	Loam
B Horizon(subsoil) Colour (wet) Texture and	Stony, light yellowish brown (10 YR 6/4) medium clay. Gradational.	Stony, gravelly, dark yellowish brown (10 YR 4/6) to brown (10 YR 5/3) light medium clay. Duplex.	Gravelly, mottled dark yellowish brown (10 YR 4/6) dark grey (10 YR 4/1) medium clay. Duplex.	Stony, gravelly, very dark brown (10 YR 2/2) to dark yellowish brown (10 YR 4/4) clay.
Permeability	Moderate-Low	Moderate-Low	Moderate	High
Typical depth(m)	>1. 00	>1. 00	>1. 00	1. 45-1. 50
Depth(A)Horizon(m)	0. 20	0. 15-0. 20	0. 10-0. 30	0. 10-0. 20
LAND USE	Grazing, forestry			
HAZARDS	Moderate rill, gully, sheet and tunnel erosion			