

572341

Bradys Sugarloaf

Bradys Sugarloaf and Four Mile Marsh Hill dominate this land system which is situated in the south west of the study area. The slopes grade into undulating rocky terrain to the west. Jurassic dolerite occurs throughout and rock outcrop is common in the region.

Stony, rocky soils are widespread. Well drained situations have yellowish red or strong brown gradational soils which contrast with the brown duplex soils of the lower slopes and flats. Profile depths were difficult to estimate due to the abundance of rock fragments.

Eucalyptus delegatensis forests dominate all components while E. nitida and E. dalrympleana occur on the flats, where sites are probably more susceptible to cold air drainage and waterlogging. These sites and those on exposed upper slopes and crests, have a low understorey, while more favourable positions support a taller scrub understorey.

Land uses include forestry and hydro-electric power generation. There is a low sheet erosion hazard across all components.



Tall to open forest of Eucalyptus delegatensis and E. dalrympleana.

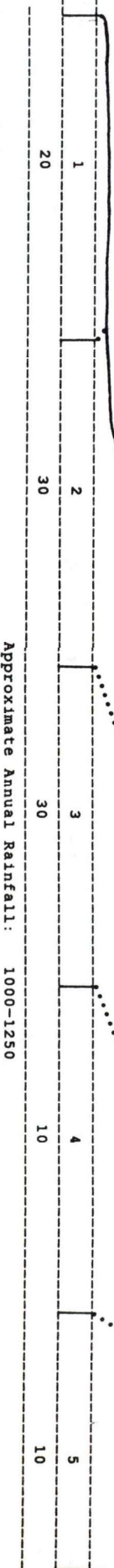
LAND SYSTEM

Brady's Sugarloaf

572341

Area (ha) :
9425

COMPONENT
PROPORTION(%)
RAINFALL (mm)



GEOLOGY

TOPOGRAPHY

Position

Typical slope(°)

NATIVE VEGETATION
Structure

Floristic Association
(See Appendix 1 for common names)

SOIL
Surface(A)Texture

B Horizon(subsoil)
Colour (wet)
Texture and
Primary profile
form

Permeability

Typical depth(m)

Depth(A)Horizon(m)

LAND USE

HAZARDS

Flats
0-1
10
10-15
10-20
5-7

(Tall) Open Forest
(Tall) Open Forest
(Tall) Open Forest
(Tall) Open Forest
Open Forest

Eucalyptus delegatensis
E. nitida
E. delrympleana
Bedfordia salicina
Pultenaea juniperina
Lomatia tinctoria
Diplarrena sp.
Pteridium esculentum

Eucalyptus delegatensis
Bedfordia salicina
B. linearis
Hakea lissosperma
Pultenaea juniperina
Lomatia tinctoria
Pultenaea gunnii
Diplarrena sp.
Pteridium esculentum

Eucalyptus delegatensis
Bedfordia salicina
Cyathodes parvifolia
Lomatia tinctoria
Pultenaea juniperina
P. gunnii
Poa sp.
Pteridium esculentum

Eucalyptus delegatensis
Cyathodes parvifolia
Drimys lanceolata
Pultenaea juniperina
Telopea truncata
Blechnum wattsi
Poa sp.
Pteridium esculentum

Eucalyptus delegatensis
Pultenaea juniperina
Cyathodes parvifolia
Lomatia tinctoria
Poa sp.

Clay Loam
Loam
Loam
Loam
Loam

Stony, gravelly, dark brown (7.5 YR 3/4) to yellowish brown (10 YR 5/6) light to medium clay.
Duplex.

Stony, gravelly, strong brown (7.5 YR 5/6) sandy clay.
Duplex.

Stony, gravelly, yellowish red (5 YR 4/6) clay loam.
Gradational.

Stony, gravelly, strong brown (7.5 YR 4/6) light clay.
Gradational.

Stony, gravelly, yellowish red (5 YR 4/6) clay loam.
Gradational.

Moderate
High-moderate
High-moderate
Moderate
High

>0.50
>0.30
>0.30
>0.55
>0.30

0.10
0.10
0.10
0.10
0.05

Low sheet erosion, waterlogging

Forestry, Hydro-electric power generation

Low sheet erosion