

MU 24 MONTANE SLOPES STRINGYBARK FOREST

□ CORRESPONDING CLASSIFICATIONS

Regional: possibly part of DSF8 Tableland Ridge Forest

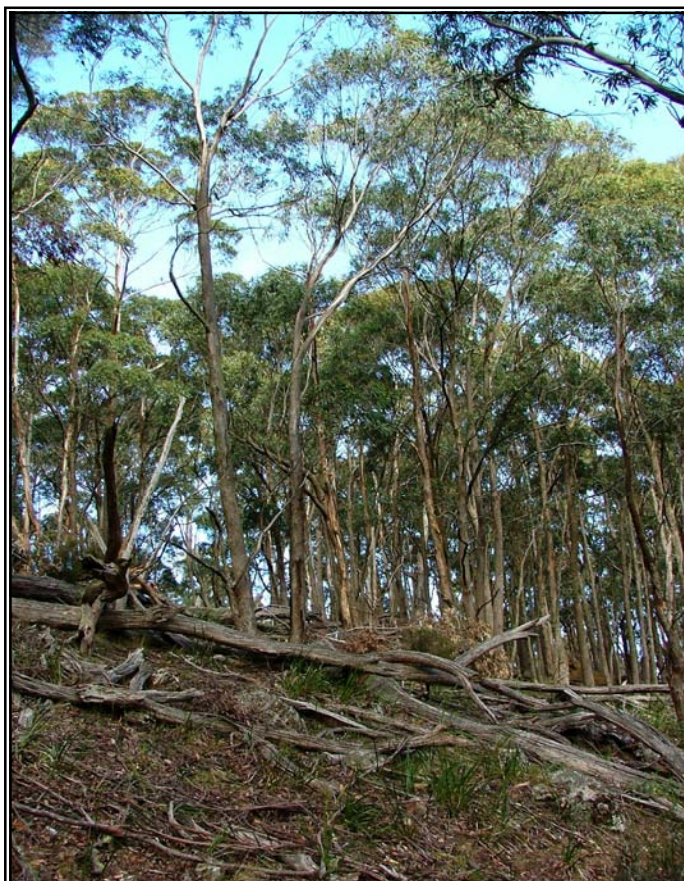
State: South East Dry Sclerophyll Forests

Number of Sites: 8

Average number of identified native species per plot: 35.3

□ DESCRIPTION

This community commonly occupies semi-sheltered positions on steep slopes, or exposed lower slopes. Typically the forest formed is a dense stand of *Eucalyptus blaxlandii*, sometimes in combination with *E. cypellocarpa* and *E. radiata* subsp. *radiata*. Trees generally reach between 20 to 25 metres in height and have a relatively open canopy. A sparse mid-stratum of small trees and tall shrubs includes *Acacia falciformis*. Smaller shrub species provide a higher cover with species such as *Bursaria spinosa*, *Hymenanthera dentata*, *Lomatia myricoides* and *Pittosporum multiflorum*. The ground cover is typically sparse, usually comprising a number of herb, grass and rush species including *Dianella caerulea*, *Echinopogon ovatus*, *Dichelachne inaequiglumis*, *Lomandra longifolia*, *Stellaria pungens*, *Stypandra glauca* and *Viola hederacea*. Exposed rocks are common on the forest floor.



Montane Slopes Stringybark Forest is found on the side ridges of the Great Dividing Range and Boyd Plateau east of Oberon. The favoured substrates are Silurian era tuff, phyllite and slate (metasediments) at elevations of 750 metres to 1200 metres above sea level and receives between 850 millimetres and 1100 millimetres of precipitation *per annum*. It extends from the higher elevations of the Blue Mountains National Park south into Kanangra Boyd. Much of its distribution is protected within the current reserve system.

Data analysis resolve an equivalent vegetation community described by Tindall *et al.* (2004) although, based on habitat characteristics, may fall within the broader Tablelands Ridge Forest Complex. Clearing has not greatly affected the extent of this community given its favoured steep and infertile habitat. The community is part of the South East Dry Sclerophyll Forests of Keith (2004).

□ STRUCTURAL SUMMARY

Stratum	Count	AvLowHt	AvHt	maxHt	AvCover	SDcover	minCover	maxCover
T	8	10.50	21.88	30	38.75	10.61	20	55
M1	7	2.36	6.36	15	8.14	10.04	1	30
M2	2	0.50	1.25	1.5	1	0	1	1
L1	8		0.60	1	11	12.60	1	40

□ FLORISTIC SUMMARY

Trees

Acacia falciformis, *Eucalyptus bicostata*, *E. blaxlandii*, *E. cypellocarpa*, *E. radiata*, *E. sieberi*

Low Trees and Shrubs

Bursaria spinosa, *Hymenanthera dentata*, *Lissanthe strigosa*, *Lomatia myricoides*, *Pittosporum multiflorum*

Ground Covers

Asperula conferta, *Asplenium flabellifolium*, *Austrodanthonia bipartita*, *Austrodanthonia racemosa*, *Cymbonotus lawsonianus*, *Cynoglossum suaveolens*, *Desmodium varians*, *Dianella revoluta*, *D. tasmanica*, *Dichelachne inaequiglumis*, *Dichondra repens*, *Echinopogon ovatus*, *Elymus scaber*, *Galium propinquum*, *Geranium* spp., *Gonocarpus tetragynus*, *Lagenifera stipitata*, *Lepidosperma laterale*, *Lomandra filiformis*, *L. longifolia*, *L. multiflora*, *Microlaena stipoides*, *Poa sieberiana*, *Poranthera microphylla*, *Pteridium esculentum*, *Stackhousia viminea*, *Stellaria pungens*, *Viola* spp.

Vines & Climbers

Clematis glycinoides, *Geitonoplesium cymosum*, *Glycine clandestina*, *Hardenbergia violacea*

□ KEY IDENTIFYING FEATURES

Easily recognisable features to assist in identifying this map unit are:

- An open forest dominated by brown stringybark (*Eucalyptus blaxlandii*).
- A moderately dense small tree and shrub layer including broad-leaf hickory (*Acacia falciformis*), blackthorn (*Bursaria spinosa*), tree violet (*Hymenanthera dentata*), *Lomatia myricoides* and lance-leaf beard-heath (*Leucopogon lanceolatus* var. *lanceolatus*).
- A ground surface with a low cover of understorey species, with high litter load and an abundance of small rocks.

□ EXAMPLE LOCATIONS

Jenolan Trust Reserve Lands (Binoomea Ridge, Oaky Camp and Mount Inspiration)



□ CONDITION ASSESSMENT

Disturbance Class	Area (ha)	Proportion Extant (%)
A Low	8.17	1.91
B Medium	311.13	72.76
C High	108.29	25.33
Total	427.59	100

❑ THREATENED PLANT SPECIES

Possible: *Eucalyptus robertsonii* subsp. *hemisphaerica*, *Euphrasia scabra*, *Trachymene scapigera* (syn. *T. saniculifolia*)

❑ DIAGNOSTIC SPECIES

Species Name	Group Score	Group Freq (%)	Non Group Score	Non Group Freq (%)	Fidelity Class
<i>Acacia falciformis</i>	2	62.50	2	14.41	positive
<i>Asperula conferta</i>	2	37.50	2	7.92	positive
<i>Austrodanthonia racemosa</i> var. <i>racemosa</i>	3	75.00	2	9.36	positive
<i>Bursaria spinosa</i>	3	62.50	2	18.09	positive
<i>Clematis glycinoides</i>	2	87.50	2	30.34	positive
<i>Cymbonotus lawsonianus</i>	2	37.50	1	6.08	positive
<i>Desmodium varians</i>	2	62.50	2	19.06	positive
<i>Dianella revoluta</i>	2	50.00	2	27.78	positive
<i>Dichelachne inaequiglumis</i>	2	37.50	2	7.12	positive
<i>Dichondra repens</i>	3	50.00	2	24.18	positive
<i>Elymus scaber</i>	2	62.50	2	5.52	positive
<i>Eucalyptus blaxlandii</i>	3	100.00	3	10.73	positive
<i>Eucalyptus cypellocarpa</i>	3	37.50	3	8.08	positive
<i>Eucalyptus radiata</i>	3	75.00	3	13.45	positive
<i>Galium propinquum</i>	2	37.50	2	11.05	positive
<i>Geranium potentilloides</i>	2	37.50	2	6.00	positive
<i>Glycine clandestina</i>	2	50.00	2	20.42	positive
<i>Gonocarpus tetragynus</i>	2	37.50	2	27.78	positive
<i>Hymenanthera dentata</i>	2	37.50	2	5.52	positive
<i>Lepidosperma laterale</i>	2	37.50	2	12.73	positive
<i>Lissanthe strigosa</i>	2	37.50	2	13.77	positive
<i>Lomatia myricoides</i>	2	37.50	2	9.20	positive
<i>Microlaena stipoides</i> var. <i>stipoides</i>	2	87.50	2	26.42	positive
<i>Pittosporum multiflorum</i>	2	62.50	2	5.68	positive
<i>Plantago hispida</i>	2	50.00	2	7.52	positive
<i>Poranthera microphylla</i>	2	75.00	1	23.06	positive
<i>Pteridium esculentum</i>	2	62.50	2	32.02	positive
<i>Pterostylis reflexa</i>	2	50.00	2	2.08	positive
<i>Senecio linearifolius</i>	2	37.50	2	7.28	positive
<i>Stackhousia viminea</i>	2	37.50	1	4.56	positive
<i>Stellaria pungens</i>	2	87.50	2	22.74	positive
<i>Viola betonicifolia</i>	2	62.50	2	16.41	positive
<i>Viola hederacea</i>	2	50.00	2	16.73	positive
<i>Wahlenbergia stricta</i>	2	50.00	2	14.65	positive
<i>Lomandra filiformis</i>	2	75.00	2	35.95	constant
<i>Lomandra longifolia</i>	2	100.00	2	39.15	constant
<i>Poa sieberiana</i>	2	87.50	2	39.63	constant