

# **GLENUGIE PEAK FLORA RESERVE NO. 25**

SITE SPECIFIC WORKING PLAN



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This site-specific working describes the important values of an individual flora reserve and identifies sitespecific priorities for management. The plan is to be read in conjunction with the Flora Reserve Plan: Background and General Management document, which identifies Forestry Corporation's broad objectives and strategies for managing flora reserves. These two documents together form the flora reserve working plan in line with the requirements of section 25 of the *Forestry Act 2012*.

### 1. DETAILS OF THE RESERVE

### 1.1 LOCATION

Glenugie Peak flora reserve is located in Glenugie State Forest, 22 kilometres southeast of the city Grafton and 2 kilometres east of the Pacific Highway. The reserve is in the Clarence-Moreton Basin. See Locality Map in Appendix 1.

### 1.2 KEY ATTRIBUTES OF THE RESERVE

Under the Forestry Act 2012, flora reserves are set apart for the preservation of native flora.

The reserve possesses the following identified attributes that are to be protected:

- » The threatened ecological community of Lowland Rainforest
- » The presence of rare and unusual plants
- » Cultural significance of the mountain
- » Areas of High Conservation Value Old Growth
- » Scenic values associated with the mountain

### 1.3 GENERAL DESCRIPTION

#### Area

The reserve is a total of 148.4 hectares in size.

#### Topography

The reserve comprises the rocky Glenugie Peak, which is 315 metres above sea level, with slopes and plain to the east. There terrain is gently undulating, intruded by the steep sided igneous peak. Refer to Appendix 1 for topographic map.

#### **Geology and soils**

There are two major soil types on the reserve, associated either with the soft sedimentary or the harder igneous rocks.

The gently undulating terrain consists of a yellow podzolic soil derived from the Grafton formation of finegrained sedimentary rocks. This is a heavy yellow clay soil which cracks badly on drying and gives rise to severe tunnel and gully erosion. It has a low nutrient status.

The slopes of Glenugie Peak consist of a brown earth soil derived from the igneous dolerite, which is chemically related to basalt. It is of higher fertility than the surrounding yellow podzolic soil, but it is very stony due to its resistance to weathering.

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Rock from the igneous intrusion was used in the construction of the North Coast Railway, and the remains of a temporary railway linking the peak with the main line to the west still exist. Because of the surface mining of this rock, there are considerable areas of large boulder-strewn steep slopes on the northern and eastern sides either still devoid of vegetation or now covered by dense thickets of lantana.

#### Climate

Subtropical climate and an average annual rainfall of 986 millimetres.

#### Vegetation/flora and fauna

The vegetation is primarily determined by the rock and soil type. On the poor yellow podzolic soil in the lowland section of the reserve, only dry sclerophyll forest is found. This is typical of the surrounding areas, consisting of open forest of Spotted Gum (*Eucalyptus henryi*) and Grey Box (*Eucalyptus moluccana*) with a grassy ground cover.

On the rocky steeper slopes where the soil is rich because of its derivation from the dolerite, the vegetation is dry rainforest or monsoon rainforest. This shows affinities with the forests on the basaltic slopes of the upper Richmond valley and represents the most southern occurrence of a number of those species such as Yellow Laurel (*Cryptocarya bidwillii*), *Alectryon tomentosus, Harpullia hillii* and Quinine Bush (*Alstonia consticta*). Appendix 2 Map shows the various Forest Types and their locations within the reserve.

Of particular note are the many fine specimens of Bird's Nest Fern (*Asplenium australasicum*), Staghorn (*Platycerium grande*), Spotted Orchid (*Dendrobium gracilicaule*) and Rock Lily (*D.speciosum*) to be seen growing on the boulders rather than in the trees as is more usual.

Several plants with very restricted distributions are known from the reserve. One is the Glenugie or Gorge Laurel (*Cryptocarya floydii*), known from this peak, the gorges of the northern escarpment, and a site in Queensland. Another is *Corynocarpus rupestris* ssp. *Rupestris*, which is known only from Glenugie Peak, though another subspecies is a rare and scattered tree in southeastern Queensland. Another plant of restricted distribution is the Eucharis Lily (*Eurycles cunninghamii*) which occurs in southern Queensland and on Glenugie Peak. These occurrences give the peak particular scientific significance. Appendix 3 and 4 outline a list of flora and fauna species known to occur within the Reserve.

### 1.4 HISTORY

#### **Aboriginal History and Cultural Values**

Glenugie Peak Flora Reserve is situated within the traditional lands of the Gumbaynggir people and there are a number of Aboriginal cultural heritage sites located within the surrounding area. The area is part of a cultural landscape, used for everyday and ceremonial activities including seasonal food and resource gathering in association with the Coldstream River, also as a travel route from the mountains to the coast. Tangible aspects of these activities are evident as walking tracks and scar trees, the remains of camp sites with stone tools (isolated stone artefact and artefact scatters) as well as sacred features and places created at the beginning of time.

#### **Post European Settlement**

#### Harvesting

Harvesting has occurred in the eastern and southern sections of the reserve, on the gentle slopes carrying stands of Spotted Gum, Grey Box, and Broadleaved Ironbark. This has been of a selective nature and has not appreciably altered the general appearance or structure of the forest.

#### Fire

Fire has been part of the Australian landscape for at least the last 60,000 years and most forests have experienced fire multiple times over many centuries. The reserve experienced a hazard reduction burn in 2000.

A fire lookout tower was constructed in 1961, although it is no longer in use.

#### **Extensions**

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The reserve originally comprised 87 hectares and included most, but not all, of the small volcanic peak known as Glenugie Peak. At the time the original notification of the reserve was under consideration, there had been some interest in reworking an old quarry on the south side of the peak, and that area was excluded from the flora reserve. In 1981, in view of the scientific significance of the Peak the Forestry Commission subsequently decided not to permit further quarrying in the locality, and following construction of a new fire trail, the reserve was extended by 18 hectares, taking in the remainder of the peak and using the fire trail as the boundary. This additional area would become No. 1 Extension to the Flora Reserve and brought the total area of the reserve to 105 hectares.

Forests NSW and Roads and Maritime Services (RMS) entered into a land exchange agreement regarding an extension to the Glenugie Peak Flora Reserve, as offset for part of the Wells Crossing Flora Reserve required to accommodate the Pacific Highway upgrade. In May 2021, RMS acquired 39.68 hectares of Wells Crossing Flora Reserve in Newfoundland State Forest in exchange for 43.4 hectares of land owned by the RMS to be declared a formal extension of Glenugie Peak Flora Reserve. No. 2 extension brings the total area of the Reserve to 148.4 hectares.

The area was gazetted as Glenugie Peak Flora Reserve No. 25 on 26<sup>th</sup> October 1973.

### 1.5 CURRENT USAGE

The reserve receives moderate recreational usage, primary by visitors using the steep walking track to reach the Peak. At the Peak there is a Trig Station and a fire tower that is no longer in use.

### 2. SYSTEM OF MANAGEMENT

### 2.1 OBJECTIVES OF MANAGEMENT

Under the *Forestry Act 2012*, flora reserves are set apart for the preservation of native flora. The main objective of Glenugie Peak Flora Reserve is to enhance the ecological quality of the lowland rainforest stands, as well as preserving the cultural heritage of the area.

The objects of management will be to:

- » Enhance the ecological quality of the threatened ecological community of Lowland Rainforest
- » Protect Aboriginal cultural heritage sites and cultural values
- » Preserve the heritage of the area
- » Protect areas of High Conservation Value Old Growth

### 2.2 MANAGEMENT STRATEGIES

The broad management strategies and related actions to preserve native flora and improve the value and extent of habitat in State forest flora reserves are detailed in the Flora Reserve Management Plan: Background and General Management document, which is to be read in conjunction with this plan. Specific additional management strategies applied in this flora reserve may include:

- » Property maintenance, through:
  - establishment and maintenance of appropriate fences, gates and signs
  - removal of unnecessary fencing
  - maintenance of tracks.
- » Conservation and improvement of habitat, through:
  - maintenance of native vegetation

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- regeneration of cleared or degraded land, through plantings and natural recruitment
- weed control
- removal of rubbish
- exclusion of domestic grazing and management of human disturbance
- retention of dead timber and other habitat resources
- fire management
- » Pest control.

The full suite of management measures outlined are expected to provide benefits for all species of flora and fauna in this reserve. Management actions, performance targets and action timeframes are provided in the table in section 2.4.

#### Weeds

Lantana (*Lantana camara*) infestation in the boulder-strewn slopes on the northern and eastern side of the reserve low to moderate. Lantana growth can also inhibit native understorey species and out-compete native species.

As far as practicable, noxious weeds and other exotic species will be eliminated from the reserve as detailed in section 2.4.

#### **Trail maintenance**

Maintenance of roads and trails is important to enable access to the forest for forest management, firefighting, tourism and recreation. Poorly maintained roads can also transport significant levels of sediment, increasing the turbidity of water within creeks. This consequently reduces habitat quality and aquatic biodiversity and can take significant periods of time to recover. Trails will be maintained as detailed in section 2.4.

#### **Permitted activities**

Under the Forest Management Zoning (FMZ) system, Glenugie Peak Flora Reserve No. 25 is zoned FMZ 1 and therefore contributes to the dedicated reserve system in the Upper North East Region. Management will be consistent with the requirements of JANIS dedicated reserves.

The State Forests of NSW, Operational Circular 99/10 (1999) *Managing our Forests sustainably: Forest Management Zoning in NSW State Forests* describes the activities not permitted in FMZ 1.

The following activities may be permitted subject to standard conditions approved by the Regional Manager and consistent with the management objectives for the reserve, codes of practice, forest practices/operational circulars, protocols, licenses and management/recovery plans:

- » scientific studies (e.g., fauna surveys including trapping)
- » maintenance of existing roads and fire trails
- » maintenance of existing recreation facilities and upgrading where necessary to keep pace with demand while protecting the attributes of the reserve
- » limited tree and or limb removal for safety, viewing or construction of facilities in areas used for recreation
- » pest animal and weed control
- » general access for activities such as bush walking, photography and nature study
- » beekeeping (existing set-down sites may be used)
- » Aboriginal use of forest products consistent with the maintenance of the conservation attributes to be protected in the reserve.)
- » fire management will be undertaken in a manner consistent with maintaining the health of forest ecosystems

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The following activities may only be permitted with special conditions:

- » Construction of new roads. Construction will only be permitted in exceptional instances and consistent with the following principles:
  - No practical alternative is available
  - The attributes of the Reserve will not be significantly affected by the road or fire trail
  - Opportunity is provided for public comment on the proposal, obtained through advertising in the local newspaper
  - Ministerial approval is given for the proposal.

#### Mining

The reserve was exempted from the provisions of the Mining Acts by notice in the Government Gazette of 19<sup>th</sup> of November 1982.

### 2.3 MANAGEMENT RESPONSIBILITY

The reserve will be administered by Forestry Corporation of NSW's Hardwood Forests Division, with the authority for decision making delegated to the Senior Manager Forest Stewardship or equivalent level manager.

### 2.4 MONITORING, REPORTING AND REVIEW

The region will monitor changes to the key attributes of the reserve and will review the effectiveness of the management strategies designed to protect those attributes and to achieve the management objectives.

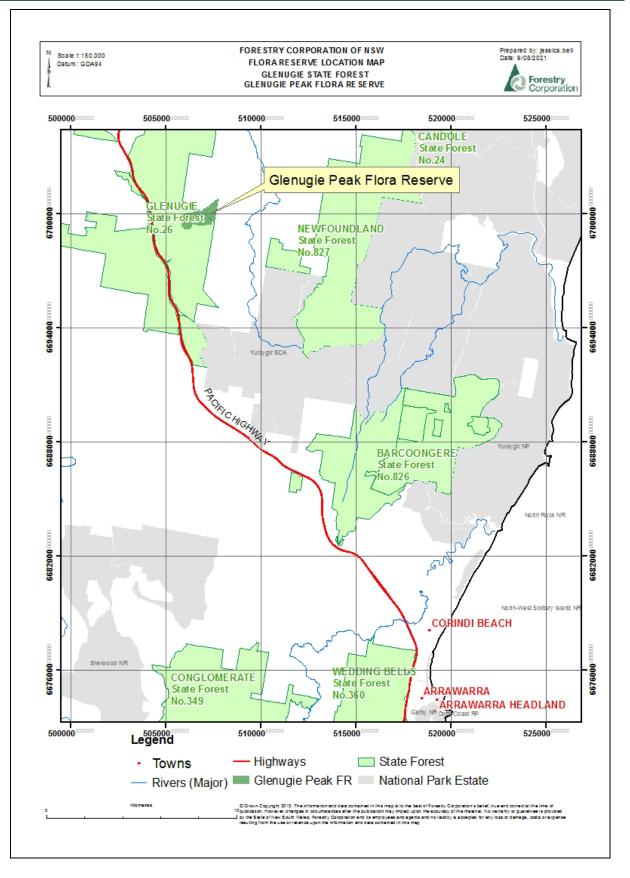
The results of this monitoring, review and management response will be included in annual reporting processes.

The provisions of this working plan will be amended, if necessary, in light of the results of the monitoring program and / or legislative change and with the approval of the Minister administering the *Forestry Act* 2012.

#### 3. LIST OF APPENDICES

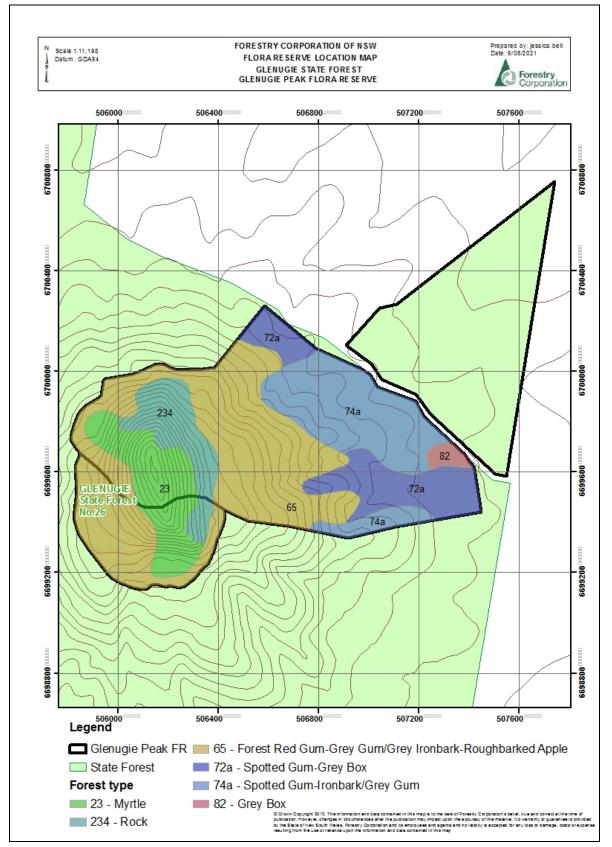
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## APPENDIX 1 – LOCALITY MAP



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### APPENDIX 2 – TOPOGRAPHIC & FOREST TYPE MAP



Note: Forest typing is unavailable for the north east portion of the reserve.

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### Flora found within 5000m of flora reserve, desktop search undertaken July 2021

Scientific name
Acacia brownii
Acacia complanata
Acacia concurrens
Acacia falcata
Acacia fimbriata
Acacia floribunda
Acacia irrorata
Acacia irrorata subsp. irrorata
Acacia irrorata subsp.
velutinella
Acacia leiocalyx subsp.
leiocalyx
Acacia myrtifolia
Acacia oshanesii
Acmena smithii
Acronychia oblongifolia
Adiantum aethiopicum
Adiantum formosum
Adiantum hispidulum
Adiantum hispidulum var.
hispidulum
Aeschynomene indica
Ageratina adenophora
Ageratum houstonianum
Agiortia pedicellata
Agiortia pleiosperma
Ajuga australis
Alectryon subcinereus
Alectryon tomentosus
Allocasuarina littoralis
Allocasuarina torulosa
Alloteropsis semialata
Alphitonia excelsa
Alpinia caerulea
Alstonia constricta
Ambrosia artemisiifolia
Amyema congener subsp.
congener
Amyema miquelii
Andropogon virginicus
Aneilema acuminatum

Scientific name
Angophora floribunda
Angophora robur
Angophora spp.
Angophora subvelutina
Angophora woodsiana
Aphananthe philippinensis
Archontophoenix
cunninghamiana
Aristida benthamii
Aristida benthamii var.
benthamii
Aristida calycina var. calycina
Aristida gracilipes
Aristida personata
Aristida ramosa
Aristida spp.
Aristida vagans
Aristida warburgii
Aristolochia meridionalis
subsp. meridionalis
Arthropodium milleflorum
Asclepias curassavica
Asperula conferta
Asplenium australasicum
Asplenium polyodon
Austrosteenisia blackii var.
blackii Austraataaniain alabriatula
Austrosteenisia glabristyla
Austrostipa pubescens
Axonopus fissifolius
Baccharis halimifolia
Backhousia myrtifolia
Banksia integrifolia
Banksia integrifolia subsp.
integrifolia Banksia oblancifolia
Banksia oblongifolia
Banksia spinulosa
Banksia spinulosa var. collina
Baumea juncea
Bidens pilosa
Billardiera scandens

Scientific name
Blechnum cartilagineum
Blechnum neohollandicum
Blechnum spinulosum
Boronia falcifolia
Boronia polygalifolia
Bossiaea heterophylla
Bothriochloa decipiens var.
decipiens
Brasenia schreberi
Breynia oblongifolia
Bridelia exaltata
Brunoniella australis
Brunoniella pumilio
Bryophyllum delagoense
Bulbophyllum minutissimum
Bursaria cayzerae
Bursaria spinosa subsp.
spinosa
Caesalpinia subtropica
Caesia parviflora var.
parviflora
Caesia parviflora var. vittata
Caladenia catenata
Callistemon salignus
Calochlaena dubia
Calystegia marginata
Capparis arborea
Carex breviculmis
Carex declinata
Cassytha glabella
Casuarina glauca
Cayratia clematidea
Cayratia eurynema
Celtis paniculata
Cenchrus caliculatus
Centaurium erythraea
Centella asiatica
Centranthera cochinchinensis
Centratherum riparium
Cephalaralia cephalobotrys
Cheilanthes sieberi

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Scientific name
Cheilanthes sieberi subsp.
sieberi
Chiloglottis spp.
Chloris gayana
Chloris ventricosa
Chrysocephalum apiculatum
Cinnamomum camphora
Cirsium vulgare
Cissus antarctica
Cissus hypoglauca
Cleistochloa rigida
Clematicissus opaca
Clematis aristata
Clematis glycinoides
Clematis pickeringii
<i>Clerodendrum floribundum</i>
var. floribundum
Commelina cyanea
Conyza bonariensis
Conyza spp.
Cordyline fruticosa
Cordyline petiolaris
Cordyline rubra
Corymbia gummifera
Corymbia henryi
Corymbia intermedia
Corymbia maculata
Corymbia variegata
Corynocarpus rupestris
Corynocarpus rupestris subsp.
rupestris
Crepidomanes venosum
Crotalaria pallida var. obovata
Croton verreauxii
Cryptocarya bidwillii
Cryptocarya floydii
Cryptocarya glaucescens
Cryptocarya microneura
Cryptostylis spp.
Cyclosorus dentatus
Cymbidium canaliculatum
Cymbidium suave
Cymbopogon refractus
Cyperaceae indeterminate
Cyperus aquatilis

Scientific name
Cyperus cyperoides
Cyperus difformis
Cyperus fulvus
Cyperus haspan
Cyperus haspan subsp. haspan
Cyperus laevis
Cyperus polystachyos
Dampiera stricta
Daphnandra micrantha
Daucus glochidiatus
Davallia solida var. pyxidata
Daviesia ulicifolia
Daviesia ulicifolia subsp.
stenophylla
Daviesia umbellulata
Deeringia amaranthoides
Deeringia arborescens
Dendrobium gracilicaule
Dendrobium kingianum
Dendrobium linguiforme
Dendrobium speciosum
Dendrobium teretifolium
Dendrobium x gracillimum
Dendrocnide excelsa
Dendrocnide photinophylla
Dendrophthoe vitellina
Desmodium gunnii
Desmodium rhytidophyllum
Desmodium spp.
Desmodium uncinatum
Desmodium varians
Dianella caerulea
Dianella caerulea var.
caerulea
Dianella longifolia
Dianella longifolia var.
longifolia
Dichelachne micrantha
Dichelachne spp.
Dichondra repens
Dichondra sp. Inglewood
Dictymia brownii
Digitaria breviglumis
Digitaria parviflora
Digitaria ramularis

Colombilio nomo
Scientific name
Dillwynia retorta
Dioscorea transversa
Diospyros australis
Diospyros pentamera
Diplazium australe
Diplazium dilatatum
Diploglottis australis
Dodonaea triquetra
Dodonaea viscosa subsp.
burmanniana
Doodia linearis
Drosera peltata
Drypetes deplanchei
Duboisia myoporoides
Echinopogon caespitosus
Echinopogon ovatus
Echinostephia aculeata
Eclipta platyglossa
Ehretia acuminata var.
acuminata
Einadia hastata
Elaeocarpus reticulatus
Elaeodendron australe
Elaeodendron australe var.
australe
Elattostachys xylocarpa
Eleocharis equisetina
Eleocharis philippinensis
Eleocharis pusilla
Endiandra discolor
Entolasia marginata
Entolasia stricta
Entolasia whiteana
Epaltes australis
Eragrostis brownii
Eragrostis curvula
Eragrostis elongata
Eragrostis leptostachya
Eragrostis spp.
Eragrostis tenuifolia
Eremochloa bimaculata
Eremophila debilis
Eriochloa procera
Eucalyptus acmenoides
Eucalyptus bancroftii

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Scientific name
Eucalyptus carnea
Eucalyptus crebra
Eucalyptus eugenioides
Eucalyptus fibrosa
Eucalyptus grandis
Eucalyptus melliodora
Eucalyptus microcorys
Eucalyptus moluccana
Eucalyptus pilularis
Eucalyptus propinqua
Eucalyptus resinifera
Eucalyptus resinifera subsp.
hemilampra Eucalyptus resinifera subsp.
resinifera
Eucalyptus seeana
Eucalyptus siderophloia
Eucalyptus sieberi
Eucalyptus signata
Eucalyptus signata
Eucalyptus tereticornis
Eucalyptus tetrapleura
Eucalyptus tindaliae
Euchiton involucratus
Euchiton japonicus
Eupomatia laurina
Eustrephus latifolius
Evolvulus alsinoides
Exocarpos cupressiformis
Ficus coronata
Ficus fraseri
Ficus macrophylla
Ficus macrophylla subsp.
macrophylla
Ficus rubiginosa
Ficus rubiginosa f. rubiginosa
Ficus superba var. henneana
Ficus watkinsiana
Fimbristylis cinnamometorum
Fimbristylis dichotoma
Fimbristylis tristachya
Fuirena ciliaris
Gahnia aspera
Gahnia sieberiana
Gahnia spp.
Gainna spp.

Scientific name
Galactia tenuiflora
Galium ciliare
Galium spp.
Gamochaeta spp.
Geitonoplesium cymosum
Geranium homeanum
Glochidion ferdinandi
Glossocardia bidens
Glycine clandestina
Glycine microphylla
Glycine pacifica
Glycine spp.
Glycine tabacina
Gmelina leichhardtii
Gomphocarpus fruticosus
Gomphocarpus spp.
Gompholobium pinnatum
Gonocarpus micranthus
subsp. ramosissimus
Gonocarpus tetragynus
Goodenia bellidifolia
Goodenia hederacea
Goodenia hederacea subsp.
hederacea
Goodenia heterophylla
Goodenia heterophylla subsp.
eglandulosa
Goodenia paniculata
Goodenia rotundifolia
Gossia bidwillii
Gymnostachys anceps
Gynochthodes jasminoides
Haemodorum planifolium
Hakea dactyloides
Hakea florulenta
Hakea laevipes
Hakea laevipes subsp. laevipes
Hakea salicifolia
Haloragis heterophylla
Hardenbergia violacea
Harpullia hillii
' Hibbertia diffusa
Hibbertia obtusifolia
Hibbertia vestita
Hibiscus heterophyllus subsp.
······································

Scientific name		
heterophyllus		
Hibiscus splendens		
Hodgkinsonia ovatiflora		
Homalanthus populifolius		
Hovea longifolia		
Hoya australis subsp. australis		
Hybanthus monopetalus		
Hybanthus stellarioides		
Hydrocotyle acutiloba		
Hydrocotyle sibthorpioides		
Hydrocotyle tripartita		
Hymenosporum flavum		
Hypericum gramineum		
Hypochaeris radicata		
Hypolepis muelleri		
Hypoxis hygrometrica		
Imperata cylindrica		
Indigofera australis		
Ischaemum australe var.		
villosum		
Jacksonia scoparia		
Jagera pseudorhus var.		
pseudorhus		
Jasminum suavissimum		
Jasminum volubile		
Juncus continuus		
Juncus spp.		
Juncus usitatus		
Lagenifera stipitata		
Lagenophora gracilis		
Lantana camara		
Laxmannia compacta		
Laxmannia gracilis		
Legnephora moorei		
Lepidium bonariense		
Lepidosperma laterale		
Lepironia articulata		
Leptospermum petersonii		
Leptospermum polygalifolium		
Leptospermum trinervium		
Lepyrodia scariosa		
Lespedeza juncea subsp.		
sericea		
Leucopogon juniperinus		
Leucopogon lanceolatus var.		

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Scientific name
lanceolatus
Ligustrum sinense
Lindsaea dimorpha
Lobelia anceps
Lobelia andrewsii
Lobelia dentata
Lobelia purpurascens
Lobelia trigonocaulis
Lomandra confertifolia
Lomandra confertifolia subsp.
pallida
Lomandra filiformis
Lomandra filiformis subsp.
coriacea
Lomandra filiformis subsp.
filiformis
Lomandra hystrix
Lomandra laxa
Lomandra longifolia
Lomandra multiflora subsp.
multiflora
Lomandra spicata
Lomandra spp.
Lomatia silaifolia
Lophostemon confertus
Lophostemon suaveolens
Ludwigia peploides subsp.
montevidensis
Maclura cochinchinensis
Mallotus philippensis
Malvastrum
coromandelianum
Marsdenia pleiadenia
Marsdenia rostrata
Melaleuca alternifolia
Melaleuca decora
Melaleuca irbyana
Melaleuca linariifolia
Melaleuca nodosa
Melaleuca sieberi
Melaleuca styphelioides
Melia azedarach
Melichrus procumbens
Melichrus sp. Newfoundland
State Forest
Mentha satureioides

Scientific name
Microlaena stipoides
Microlaena stipoides var.
stipoides
Mitrasacme polymorpha
Monotoca elliptica
Monotoca scoparia
Muellerina celastroides
Murdannia graminea
Myrsine variabilis
Neolitsea dealbata
Nicotiana forsteri
Notelaea longifolia
Nymphoides indica
Olea paniculata
Opercularia diphylla
Oplismenus aemulus
Oplismenus imbecillis
Ottochloa gracillima
Oxalis chnoodes
Oxalis exilis
Oxalis spp.
Oxytes brachypoda
Ozothamnus bidwillii
Ozothamnus diosmifolius
Pandorea pandorana
Panicum effusum
Panicum simile
Pararchidendron pruinosum
var. pruinosum
Parsonsia straminea
Parsonsia velutina
Paspalidium distans
Paspalidium gracile
Paspalidium spp.
Paspalum dilatatum
Paspalum distichum
Paspalum mandiocanum
Paspalum orbiculare
Passiflora subpeltata
Patersonia sericea
Patersonia spp.
Pellaea falcata
Pellaea paradoxa
Peperomia blanda var.
floribunda

Scientific name
Peperomia tetraphylla
Persoonia cornifolia
Persoonia sericea
Persoonia stradbrokensis
Philydrum lanuginosum
Phyllanthus gunnii
Phyllanthus hirtellus
Phyllanthus similis
Phyllanthus virgatus
Physalis peruviana
Phytolacca octandra
Pimelea linifolia
Pimelea linifolia subsp. collina
Pimelea linifolia subsp.
linifolia
Pittosporum multiflorum
Pittosporum revolutum
Pittosporum undulatum
Plantago debilis
Platycerium bifurcatum
Platycerium superbum
Platysace ericoides
Plectranthus parviflorus
Poa labillardierei var.
labillardierei
Poa sieberiana
Poaceae indeterminate
Podocarpus elatus
Polygala japonica
Polymeria calycina
Polyscias elegans
Polyscias sambucifolia subsp.
sambucifolia
Pomax umbellata
Poranthera microphylla
Proiphys cunninghamii
Pseuderanthemum variabile
Psilotum nudum
Psychotria loniceroides
Pteridium esculentum
Pteris tremula
Pterostylis hispidula
Pterostylis spp.
Ptilothrix deusta
Pultenaea alea

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Scientific name		
Pultenaea robusta		
Pultenaea rostrata		
Pultenaea spinosa		
Pultenaea villosa		
Pyrrosia confluens var.		
confluens		
Pyrrosia rupestris		
Ranunculus plebeius		
Ranunculus sessiliflorus		
Ranunculus sessiliflorus var.		
sessiliflorus		
Ripogonum album		
Ripogonum brevifolium		
Rubus moluccanus var.		
trilobus		
Rubus parvifolius		
Rumex brownii		
Rytidosperma fulvum		
Salvia plebeia		
Sannantha angusta		
Sannantha pluriflora		
Sannantha similis		
Sarcopetalum harveyanum		
Sauropus hirtellus		
Schoenoplectus mucronatus		
Schoenus apogon		
Scleria mackaviensis		
Scolopia braunii		
Secamone elliptica		
Senecio amygdalifolius		
Senecio lautus		
Senecio madagascariensis		

Scientific name Senecio vagus subsp. eglandulosus Setaria sphacelata Sicyos australis Sida rhombifolia Sigesbeckia orientalis subsp. orientalis Smilax australis Solanum mauritianum Solanum prinophyllum Sonchus oleraceus Sorghum leiocladum Sporobolus diander Sporobolus elongatus Sporobolus fertilis Sprengelia incarnata Stackhousia viminea Stephania japonica Stephania japonica var. discolor Streblus brunonianus Syncarpia glomulifera Tabernaemontana pandacaqui Taraxacum officinale Tetrastigma nitens Teucrium argutum Thelymitra spp. Themeda triandra Thysanotus tuberosus Thysanotus tuberosus subsp. tuberosus

Scientific name
Trachymene incisa
Trema tomentosa var. aspera
Trichosanthes subvelutina
Tricoryne elatior
Triglochin procera
Tristaniopsis laurina
Trochocarpa laurina
Typhonium brownii
Velleia spathulata
Verbena bonariensis
Verbena rigida var. rigida
Vernonia cinerea
Vernonia cinerea var. cinerea
Veronica plebeia
Viola banksii
Viola betonicifolia
Viola spp.
Wahlenbergia communis
Wahlenbergia gracilis
Waterhousea floribunda
Xanthium occidentale
Xanthorrhoea fulva
Xanthorrhoea johnsonii
Xanthorrhoea macronema
Xanthorrhoea spp.
Xyris complanata
Xyris operculata
Zehneria cunninghamii
Zornia dyctiocarpa var.
dyctiocarpa

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# APPENDIX 4 – FAUNA SPECIES LIST

### Fauna found within 5000m of flora reserve, desktop search undertaken July 2021

Amphibians		
Scientific name	Common	
	name	
Litoria dentata	Bleating	
	Tree Frog	
Litoria	Broad-	
latopalmata	palmed Frog	
Limnodynastes	Brown-	
peronii	striped Frog	
Crinia signifera	Common	
	Eastern	
	Froglet	
Litoria gracilenta	Dainty	
	Green Tree	
	Frog	
Uperoleia fusca	Dusky	
	Toadlet	
Litoria fallax	Eastern	

Amphibians		
Scientific name	Common	
	name	
	Dwarf Tree	
	Frog	
Crinia	Eastern Sign-	
parinsignifera	bearing	
	Froglet	
Mixophyes	Giant Barred	
iteratus	Frog	
Mixophyes	Great Barred	
fasciolatus	Frog	
Litoria caerulea	Green Tree	
	Frog	
Litoria	Green-	
brevipalmata	thighed Frog	
Litoria lesueuri	Lesueur's	
	Frog	

Amphibians		
Scientific name	Common	
	name	
Limnodynastes	Northern	
terraereginae	Banjo Frog	
Platyplectrum	Ornate	
ornatum	Burrowing	
	Frog	
Litoria peronii	Peron's Tree	
	Frog	
Pseudophryne	Red-backed	
coriacea	Toadlet	
Limnodynastes	Spotted	
tasmaniensis	Grass Frog	
Litoria tyleri	Tyler's Tree	
	Frog	
Crinia tinnula	Wallum	
	Froglet	

Birds		Bir	Birds		Birds	
Scientific name	Common name	Scientific name	Common name	Scientific name	Common name	
Falco longipennis	Australian		Thornbill	Tyto	Eastern Grass	
	Hobby	Climacteris	Brown	longimembris	Owl	
Gymnorhina	Australian	picumnus	Treecreeper	Platycercus	Eastern	
tibicen	Magpie	victoriae	(eastern	eximius	Rosella	
Aegotheles	Australian		subspecies)	Dromaius	Emu	
cristatus	Owlet-	Cacomantis	Brush Cuckoo	novaehollandiae		
	nightjar	variolosus		Cacomantis	Fan-tailed	
Ninox connivens	Barking Owl	Hypotaenidia	Buff-banded	flabelliformis	Cuckoo	
Melithreptus	Black-chinned	philippensis	Rail	Ptilotula fusca	Fuscous	
gularis gularis	Honeyeater	Acanthiza	Buff-rumped		Honeyeater	
	(eastern	reguloides	Thornbill	Calyptorhynchus	Glossy Black-	
	subspecies)	Burhinus	Bush Stone-	lathami	Cockatoo	
Ephippiorhynchus	Black-necked	grallarius	curlew	Pachycephala	Golden	
asiaticus	Stork	Edolisoma	Cicadabird	pectoralis	Whistler	
Elanus axillaris	Black-	tenuirostris		Phalacrocorax	Great	
	shouldered	Accipiter	Collared	carbo	Cormorant	
	Kite	cirrocephalus	Sparrowhawk	Rhipidura	Grey Fantail	
Entomyzon	Blue-faced	Irediparra	Comb-crested	albiscapa		
cyanotis	Honeyeater	gallinacea	Jacana	Colluricincla	Grey Shrike-	
Accipiter	Brown	Stagonopleura	Diamond	harmonica	thrush	
fasciatus	Goshawk	guttata	Firetail	Pomatostomus	Grey-	
Synoicus	Brown Quail	Artamus	Dusky	temporalis	crowned	
ypsilophora		cyanopterus	Woodswallow	temporalis	Babbler	
Acanthiza pusilla	Brown	cyanopterus			(eastern	
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Birds		
Scientific name	Common	
	name	
	subspecies)	
Melanodryas	Hooded	
cucullata	Robin (south-	
cucullata	eastern form)	
Dacelo	Laughing	
novaeguineae	Kookaburra	
Myiagra rubecula	Leaden	
	Flycatcher	
Glossopsitta pusilla	Little Lorikeet	
Dicaeum	Mistletoebird	
hirundinaceum	wistletoebird	
	Musk	
Glossopsitta	Lorikeet	
concinna Philemon		
	Noisy	
corniculatus	Friarbird	
Manorina	Noisy Miner	
melanocephala	Pacific Baza	
Aviceda subcristata	Pacific Baza	
	Deinted	
Turnix varius	Painted	
	Button-quail	
Heteroscenes	Pallid Cuckoo	
pallidus Concelia strinte	Dessetul	
Geopelia striata	Peaceful	
False and	Dove	
Falco peregrinus	Peregrine	
	Falcon	
Cracticus	Pied	
nigrogularis	Butcherbird	
Strepera	Pied	
graculina	Currawong	
Ninox strenua	Powerful Owl	

Birds		
Scientific name	Common	
	name	
Porphyrio	Purple	
porphyrio	Swamphen	
Merops ornatus	Rainbow Bee-	
	eater	
Trichoglossus	Rainbow	
haematodus	Lorikeet	
Malurus	Red-backed	
melanocephalus	Fairy-wren	
Neochmia	Red-browed	
temporalis	Finch	
Columba livia	Rock Dove	
Rhipidura	Rufous	
rufifrons	Fantail	
Pachycephala	Rufous	
rufiventris	Whistler	
Trichoglossus	Scaly-	
chlorolepidotus	breasted	
	Lorikeet	
Myzomela	Scarlet	
sanguinolenta	Honeyeater	
Zosterops	Silvereye	
lateralis		
Ninox	Southern	
novaeseelandiae	Boobook	
Dicrurus	Spangled	
bracteatus	Drongo	
Pardalotus	Spotted	
punctatus	Pardalote	
Lophoictinia isura	Square-tailed	
	Kite	
Lathamus	Swift Parrot	
discolor		
Podargus	Tawny	

Birds		
Scientific name	Common	
	name	
strigoides	Frogmouth	
Daphoenositta	Varied Sittella	
chrysoptera		
Lalage leucomela	Varied Triller	
Aquila audax	Wedge-tailed	
	Eagle	
Hirundo neoxena	Welcome	
	Swallow	
Coracina	White-bellied	
papuensis	Cuckoo-shrike	
Sericornis	White-	
frontalis	browed	
	Scrubwren	
Egretta	White-faced	
novaehollandiae	Heron	
Gerygone	White-	
olivacea	throated	
	Gerygone	
Melithreptus	White-	
albogularis	throated	
	Honeyeater	
Cormobates	White-	
leucophaea	throated	
	Treecreeper	
Rhipidura	Willie Wagtail	
leucophrys		
Leucosarcia	Wonga	
melanoleuca	Pigeon	
Caligavis	Yellow-faced	
chrysops	Honeyeater	

Mammals		Mammals	
Common		Scientific name	Common
name			name
Black		murina	Dunnart
Flying-fox		Canis lupus	Dingo,
brushtail			domestic
possum			dog
Brush-tailed		Scotorepens	Eastern
Phascogale		orion	Broad-
Bush Rat			nosed Bat
Cat		Macropus	Eastern
Common		giganteus	Grey
Brushtail			Kangaroo
Possum		Rhinolophus	Eastern
Common		megaphyllus	Horseshoe-
	Common name Black Flying-fox brushtail possum Brush-tailed Phascogale Bush Rat Cat Common Brushtail Possum	Common name Black Flying-fox brushtail possum Brush-tailed Phascogale Bush Rat Cat Common Brushtail Possum	Common nameScientific nameBlackmurinaFlying-foxCanis lupusbrushtail possumCanis lupusBrush-tailedScotorepens orionPhascogaleorionBush RatMacropus giganteusCatMacropus giganteusBrushtail PossumRhinolophus

Mammals		
Scientific name	Common	
	name	
	bat	
Melomys	Fawn-	
cervinipes	footed	
	Melomys	
Acrobates	Feathertail	
pygmaeus	Glider	
Vulpes vulpes	Fox	
Chalinolobus	Gould's	
gouldii	Wattled Bat	
Petauroides	Greater	
volans	Glider	
Pteropus	Grey-	

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Mammals		
Scientific name	Common	
	name	
poliocephalus	headed	
	Flying-fox	
Chalinolobus	Hoary	
nigrogriseus	Wattled Bat	
Macropus sp.	kangaroo /	
	wallaby	
Phascolarctos	Koala	
cinereus		
Miniopterus	Large Bent-	
orianae	winged Bat	
oceanensis		
Miniopterus	Little Bent-	
australis	winged Bat	
Pteropus	Little Red	
scapulatus	Flying-fox	
Nyctophilus sp.	long-eared	
	bat	

Mammals		
Scientific name	Common name	
Perameles	Long-nosed	
nasuta	Bandicoot	
Notamacropus	Red-necked	
rufogriseus	Wallaby	
Aepyprymnus	Rufous	
rufescens	Bettong	
Trichosurus	Short-eared	
caninus	Possum	
Myotis	Southern	
macropus	Myotis	
Petaurus	Squirrel	
norfolcensis	Glider	
Petaurus	Sugar	
breviceps	Glider	
Wallabia bicolor	Swamp	
	Wallaby	
Canidae sp.	unidentified	

Mammals		
Scientific name	Common	
	name	
	canid	
Hydromys	Water-rat	
chrysogaster		
Notamacropus	Whiptail	
parryi	Wallaby	
Petaurus	Yellow-	
australis	bellied	
	Glider	
Antechinus	Yellow-	
flavipes	footed	
	Antechinus	
Lepus capensis		
occidentalis		

Reptiles		
Scientific name	Common	
	name	
Concinnia tenuis	Barred-	
	sided Skink	
Morelia spilota	Carpet &	
	Diamond	
	Pythons	
Dendrelaphis	Common	
punctulatus	Tree Snake	
Ctenotus	Copper-	
taeniolatus	tailed	
	Skink	
Cryptoblepharus	Cream-	
virgatus	striped	
	Shinning-	
	skink	
Concinnia	Dark	
martini	Barsided	
	Skink	
Lampropholis	Dark-	
delicata	flecked	

Reptiles		
Scientific name	Common	
	name	
	Garden	
	Sunskink	
Egernia mcpheei	Eastern	
	Crevice	
	Skink	
Cryptophis	Eastern	
nigrescens	Small-eyed	
	Snake	
Cacophis	Golden-	
squamulosus	crowned	
	Snake	
Varanus varius	Lace	
	Monitor	
Bellatorias frerei	Major	
	Skink	
Diporiphora	Nobbi	
nobbi	Dragon	
Cyclodomorphus	Pink-	
gerrardii	tongued	

Reptiles			
Scientific name	Common		
	name		
	Lizard		
Pseudechis	Red-		
porphyriacus	bellied		
	Black		
	Snake		
Ctenotus	Robust		
robustus	Ctenotus		
Nebulifera	Robust		
robusta	Velvet		
	Gecko		
Saiphos equalis	Three-toed		
	Skink		
Carlia vivax	Tussock		
	Rainbow-		
	skink		
Demansia	Yellow-		
psammophis	faced		
	Whip		
	Snake		



Old fire Tower, Glenugie Peak

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### APPENDIX 6 – APPROVAL AND AMENDMENTS FROM PREVIOUS VERSION

In line with section 25 of the *Forestry Act 2012*, flora reserve working plans and any amendments must be approved by the Minister. This plan forms part of the working plans for each of the individual flora reserves listed in section 6.

This plan was approved by The Hon. Tara Moriarty MLC, Minister for Agriculture, Minister for Regional New South Wales and Minister for Western New South Wales

Date of approval: 6/9/23

Version		Changes	Approv	val details
2.0	»	Reference to the <i>Flora Reserve Plan:</i> Background and General Management	>>	The Hon. Tara Moriarty MLC, Minister for Agriculture, Minister for Regional New
	» Form	Formatting updated		South Wales and Minister for
**	»	Change		Western New South Wales, 6/9/23

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