



MOUNT PIPANPINGA FLORA RESERVE NO. 175

SITE SPECIFIC WORKING PLAN

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This site-specific working describes the important values of an individual flora reserve and identifies site-specific 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

Mount Pipanpinga Flora Reserve is 24 kilometres northwest of the town of Wingham in Knorrit State Forest. The reserve is in the headwaters of Rileys Creek, a tributary of Connollys Creek in the Manning catchment. 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:

- » rainforest stands in the Rileys and Connollys creek catchments
- » areas of high conservation value old growth forest
- » scenic values associated with Mt Pipanpinga and the upper Rileys creek catchment
- » representative examples of forest ecosystems in the area.

1.3 GENERAL DESCRIPTION

Area

Mount Pipanpinga Flora Reserve comprises 431 hectares and is roughly rectangular in shape.

Topography

The reserve combines ridge-top and creek line areas. It ranges in altitude from 140 to 711 metres above sea level and principally consists of the upper Rileys Creek catchment below the south-eastern fall from Mount Pipanpinga and the eastern fall down to Connollys Creek. Slopes are generally moderate to steep, with some very steep falls east of the summit. Aspect is generally southerly, although all aspects are represented within the reserve. Refer to Appendix 2 for topographic map.

Geology and soils

The soils of the reserve vary and are generally structured plastic clays and chocolate soils from sediments with some volcanics of the Big Creek Soil Landscape Unit, deriving from the Early Palaeozoic Period.

Climate

The reserve has an average annual rainfall of approximately 1000 millimetres (Mt George).

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Vegetation/flora and fauna

The reserve is typical of the natural vegetation found throughout an extensive area of State Forest and National Park in the vicinity. There is a gradation from dry hardwood forests on the ridges through moister types to rainforest communities in mid-slope areas and along creek lines.

The reserve contains a complex mosaic of forest types, with the pattern of vegetation communities strongly influenced by aspect.

The most extensive forest type is a dry sclerophyll forest of Grey Gum -Grey Ironbark - White Mahogany (forest type 62). This normally dry forest type occurs on most ridgetop and upper to mid slope areas, and the understorey is often shrubby with some moist elements.

Rainforests of Myrtle/Viney Scrub (type 23/26) occur along most of the drainage features in sheltered locations. Subtropical rainforest dominated by Black Booyong (*Argyrodendron actinophyllum*) (type 1) occurs on sheltered upper slope areas.

Mid and lower slope locations carry moist forests of Narrow-leaved White Mahogany - Red Mahogany – Grey Ironbark – Grey Gum (type 60), Sydney Blue Gum (type 46), Brush Box (type 53) and Flooded Gum (type 48). Appendix 2 Map shows the various Forest Types and their locations within the Reserve.

One isolated individual of *Senna acclinis* (listed under the *Threatened Species Conservation Act 1995* as Endangered) was detected during flora surveys on the edge of Western Boundary Road where the road verge has been disturbed during road maintenance operations. 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

Mount Pipanpinga Flora Reserve is situated within the traditional lands of the Birpai 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 Manning River and its tributaries, and 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

Prior to dedication as a Flora Reserve, the area had a long history of timber production and silvicultural treatment. Harvesting commenced in the area that now forms the reserve in 1922, and parts of the area were logged and silviculturally treated in each decade between the 1930's and 1970's. Accessible areas of Flooded Gum were intensively harvested and regenerated in the 1960's. The last harvesting operation in the area was in 1973. Although, significant parts of the reserve have never been harvested.

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 was impacted by wildfire during in the 2019/2020 summer season, with low to medium intensity recorded.

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Establishment of Flora Reserve

State Forests first proposed the area as a conservation reserve in the 1992 Wingham Management Area Environmental Impact Statement (EIS), to protect old growth forest and rainforest values in the area. The 1998 Comprehensive Regional Assessment, undertaken as part of the Regional Forest Agreement, identified the area to be set aside as a Flora Reserve. The area was gazetted as Mount Pipanpinga Flora Reserve on 1st January 1999.

1.5 CURRENT USAGE

The reserve receives very limited recreational usage, primarily by visitors driving along Western Boundary Road to the summit of Mount Pipanpinga. There is a trig point on the summit of the peak, and the area has been periodically cleared. No recreational facilities are provided at the reserve and there is no intention to develop any facilities.

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 objective of Mount Pipanpinga Flora Reserve is to:

- » enhance the ecological quality of rainforest stands in the Rileys and Connollys creek catchments
- » protect areas of high conservation value old growth forest
- » preserve native flora and fauna species, including habitat for the Spotted-tailed Quoll and Greater Glider
- » maintain the scenic values associated with Mt Pipanpinga and the upper Rileys creek catchment
- » protect Aboriginal cultural heritage sites and cultural values.

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 roads and trails
 - restricting visitor use to walking trails for educational activities.
- » Conservation and improvement of habitat, through:
 - maintenance of native vegetation, which may include manipulation by mechanical means for habitat improvement
 - regeneration of any cleared or degraded land, through plantings and natural recruitment
 - removal of rubbish

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- weed control
 - management of human disturbance, including harvesting and other forest product operations
 - retention of dead timber and other habitat resources
 - management of fire, including prescribed or hazard reduction burning
- » Pest animal control.

Cultural Values

Explore opportunities for Aboriginal community involvement in managing the flora reserve.

Weeds

The vegetation within the flora reserve is in very healthy state with no obvious weeds present. As far as reasonably practicable, exotic species will be controlled, 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, Mount Pimpaninga Flora Reserve is zoned FMZ 1 and therefore contributes to the dedicated reserve system in the Lower North East Region. Management will be consistent with the requirements of JANIS dedicated reserves.

The latest operational guide detailing information not permitted in FMZ1 is published on the Forestry Corporation website.

The following activities may be permitted subject to standard conditions approved by the delegated manager and consistent with the management objectives for the reserve, relevant 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.

The following activities may only be permitted with special conditions:

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- » 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

There are no gazetted exemptions from provisions of the *Mining Act 1992* for this flora reserve.

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

Forestry Corporation 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*.

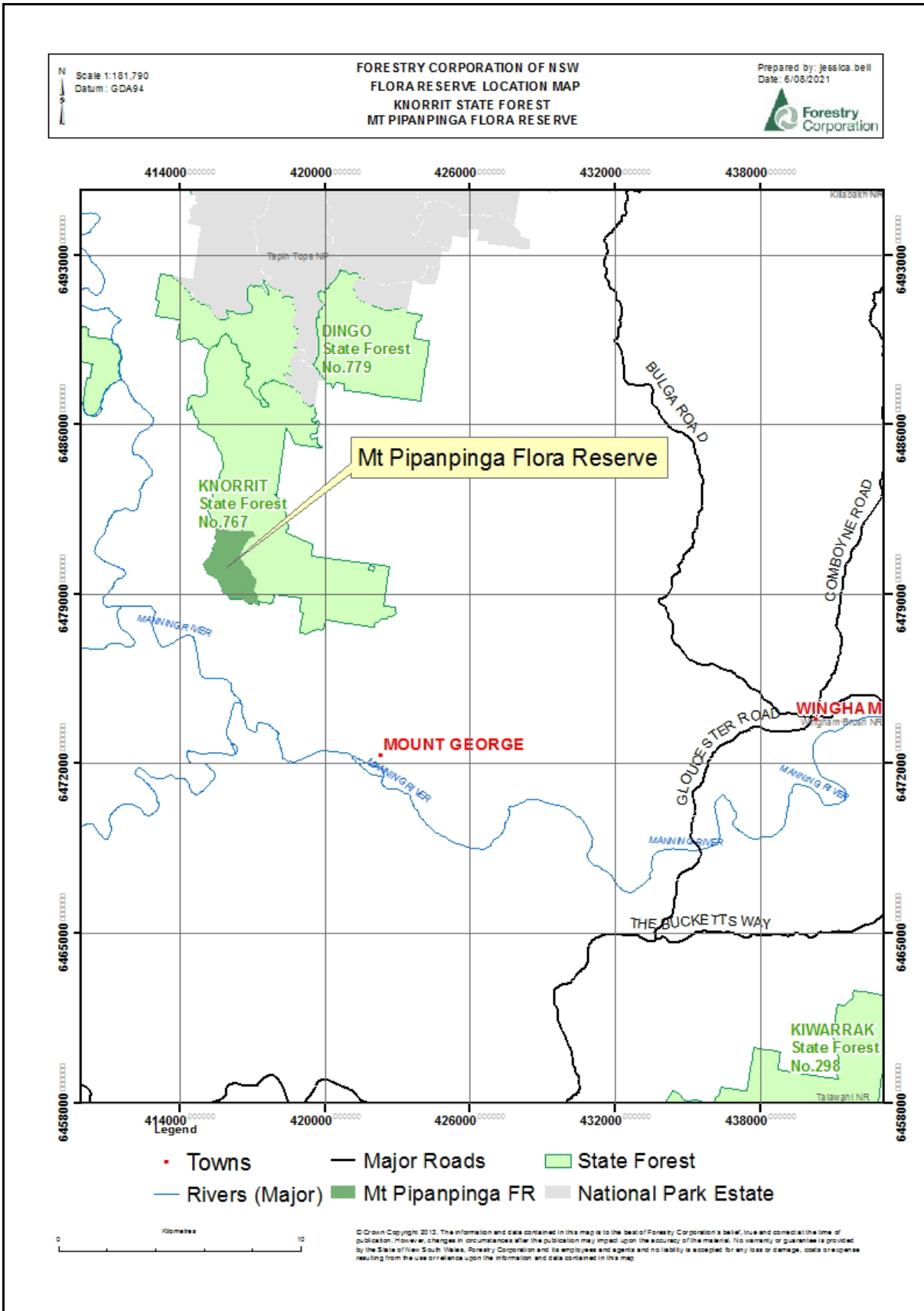
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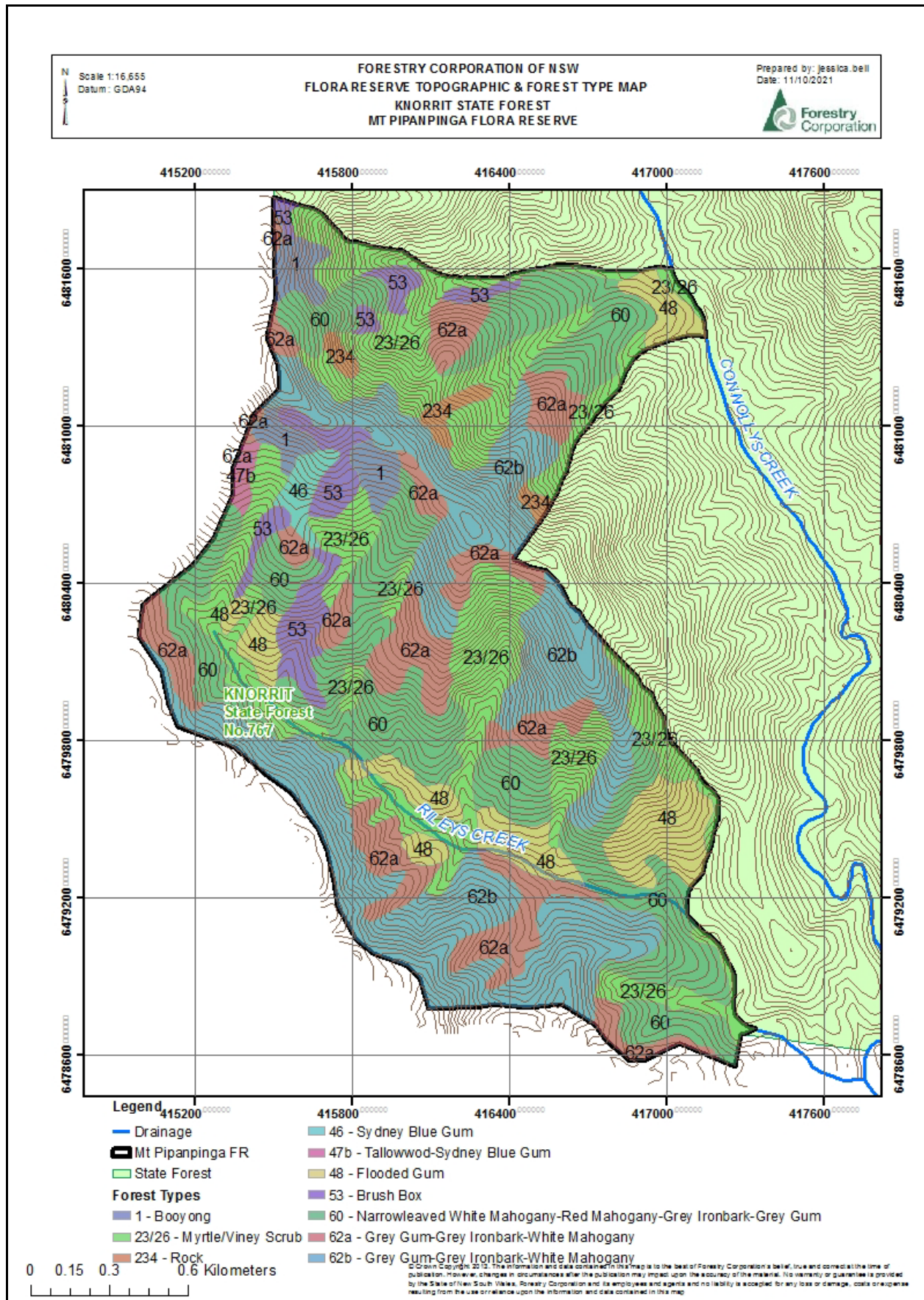
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APPENDIX 1 – LOCALITY MAP



APPENDIX 2 – TOPOGRAPHIC & FOREST TYPE MAP



APPENDIX 3 – FLORA SPECIES LIST

Flora found within 5000m of Flora Reserve, desktop search undertaken July 2021

Scientific Name	Scientific Name	Scientific Name
<i>Acacia binervata</i>	<i>Asplenium polyodon</i>	<i>Chloris ventricosa</i>
<i>Acacia blakei</i> subsp. <i>diphylla</i>	<i>Austrostenisia blackii</i> var. <i>blackii</i>	<i>Cirsium vulgare</i>
<i>Acacia floribunda</i>	<i>Austrostipa ramosissima</i>	<i>Cissus antarctica</i>
<i>Acacia implexa</i>	<i>Axonopus fissifolius</i>	<i>Cissus hypoglauca</i>
<i>Acacia irrorata</i>	<i>Backhousia myrtifolia</i>	<i>Cissus</i> spp.
<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	<i>Backhousia sciadophora</i>	<i>Citronella moorei</i>
<i>Acacia longifolia</i> subsp. <i>longifolia</i>	<i>Baloghia inophylla</i>	<i>Claoxylon australe</i>
<i>Acacia longissima</i>	<i>Bidens pilosa</i>	<i>Cleistanthus cunninghamii</i>
<i>Acacia maidenii</i>	<i>Blechnum cartilagineum</i>	<i>Clematicissus opaca</i>
<i>Acacia melanoxylon</i>	<i>Blechnum neohollandicum</i>	<i>Clematis aristata</i>
<i>Acmena smithii</i>	<i>Bothriochloa decipiens</i> var. <i>decipiens</i>	<i>Clematis glycinoides</i>
<i>Acronychia oblongifolia</i>	<i>Botrychium australe</i>	<i>Clematis glycinoides</i> var. <i>glycinoides</i>
<i>Adiantum aethiopicum</i>	<i>Brachychiton acerifolius</i>	<i>Clerodendrum tomentosum</i>
<i>Adiantum formosum</i>	<i>Brachychiton populneus</i>	<i>Commelina cyanea</i>
<i>Adiantum hispidulum</i>	<i>Brassica tournefortii</i>	<i>Commersonia fraseri</i>
<i>Ageratina adenophora</i>	<i>Breynia oblongifolia</i>	<i>Conyza bonariensis</i>
<i>Alangium villosum</i> subsp. <i>polyosmoides</i>	<i>Brunoniella australis</i>	<i>Conyza</i> spp.
<i>Alchornea ilicifolia</i>	<i>Bryophyllum delagoense</i>	<i>Coronidium elatum</i>
<i>Alectryon subcinereus</i>	<i>Bursaria spinosa</i>	<i>Coronidium scorpioides</i>
<i>Allocasuarina littoralis</i>	<i>Caldcluvia paniculosa</i>	<i>Corymbia intermedia</i>
<i>Allocasuarina</i> spp.	<i>Callistemon salignus</i>	<i>Corymbia</i> spp.
<i>Allocasuarina torulosa</i>	<i>Calochlaena dubia</i>	<i>Croton verreauxii</i>
<i>Alocasia brisbanensis</i>	<i>Capparis arborea</i>	<i>Cryptocarya erythroxyton</i>
<i>Alphitonia excelsa</i>	<i>Carex appressa</i>	<i>Cryptocarya glaucescens</i>
<i>Alpinia caerulea</i>	<i>Carex breviculmis</i>	<i>Cryptocarya meissneriana</i>
<i>Alyxia ruscifolia</i>	<i>Carex incomitata</i>	<i>Cryptocarya microneura</i>
<i>Andropogon virginicus</i>	<i>Carex inversa</i>	<i>Cryptocarya obovata</i>
<i>Aneilema acuminatum</i>	<i>Carex longebrachiata</i>	<i>Cryptocarya rigida</i>
<i>Angophora floribunda</i>	<i>Carex</i> spp.	<i>Cyathea leichhardtiana</i>
<i>Angophora</i> spp.	<i>Cayratia clematidea</i>	<i>Cymbidium suave</i>
<i>Angophora subvelutina</i>	<i>Cayratia eurynema</i>	<i>Cymbopogon refractus</i>
<i>Araujia sericifera</i>	<i>Celastrus subspicata</i>	<i>Cyperus disjunctus</i>
<i>Archirhodomyrtus beckleri</i>	<i>Cenchrus caliculatus</i>	<i>Cyperus gracilis</i>
<i>Argyrodendron actinophyllum</i>	<i>Cenchrus robustus</i>	<i>Cyperus laevigatus</i>
<i>Aristida ramosa</i>	<i>Centella asiatica</i>	<i>Cyperus tetraphyllum</i>
<i>Aristida vagans</i>	<i>Centella</i> spp.	<i>Daphnandra apatela</i>
<i>Arthropodium</i> sp. <i>B</i>	<i>Cephalalaria cephalobotrys</i>	<i>Daphnandra micrantha</i>
<i>Arthropteris tenella</i>	<i>Ceratopetalum apetalum</i>	<i>Daphnandra</i> spp.
<i>Arytera divaricata</i>	<i>Cheilanthes sieberi</i>	<i>Davallia solida</i> var. <i>pyxidata</i>
<i>Asplenium australasicum</i>	<i>Chloris gayana</i>	<i>Daviesia arborea</i>
		<i>Deeringia</i> spp.

Scientific Name
<i>Dendrobium aemulum</i>
<i>Dendrobium fairfaxii</i>
<i>Dendrobium gracilicaule</i>
<i>Dendrobium pugioniforme</i>
<i>Dendrobium speciosum</i> var. <i>hillii</i>
<i>Dendrobium</i> spp.
<i>Dendrobium teretifolium</i>
<i>Dendrocnide excelsa</i>
<i>Denhamia silvestris</i>
<i>Derris involuta</i>
<i>Desmodium gunnii</i>
<i>Desmodium nemorosum</i>
<i>Desmodium rhytidophyllum</i>
<i>Desmodium varians</i>
<i>Dianella caerulea</i>
<i>Dianella caerulea</i> var. <i>caerulea</i>
<i>Dianella caerulea</i> var. <i>producta</i>
<i>Dianella longifolia</i>
<i>Dianella revoluta</i>
<i>Dichanthium sericeum</i>
<i>Dichelachne micrantha</i>
<i>Dichondra repens</i>
<i>Dictymia brownii</i>
<i>Digitaria parviflora</i>
<i>Digitaria ramularis</i>
<i>Dioscorea transversa</i>
<i>Diospyros australis</i>
<i>Diospyros pentamera</i>
<i>Diploglottis australis</i>
<i>Dodonaea viscosa</i> subsp. <i>angustifolia</i>
<i>Doryphora sassafras</i>
<i>Drypetes deplanchei</i>
<i>Dysoxylum fraserianum</i>
<i>Dysoxylum rufum</i>
<i>Echinopogon caespitosus</i>
<i>Echinopogon ovatus</i>
<i>Ehretia acuminata</i> var. <i>acuminata</i>
<i>Elaeocarpus obovatus</i>
<i>Elaeocarpus reticulatus</i>
<i>Elaeodendron australe</i>
<i>Elattostachys nervosa</i>
<i>Embelia australiana</i>

Scientific Name
<i>Endiandra muelleri</i>
<i>Endiandra muelleri</i> subsp. <i>muelleri</i>
<i>Endiandra sieberi</i>
<i>Entolasia marginata</i>
<i>Entolasia stricta</i>
<i>Eragrostis brownii</i>
<i>Eragrostis leptostachya</i>
<i>Eremophila debilis</i>
<i>Eucalyptus acmenoides</i>
<i>Eucalyptus amplifolia</i>
<i>Eucalyptus biturbinata</i>
<i>Eucalyptus campanulata</i>
<i>Eucalyptus canaliculata</i>
<i>Eucalyptus carnea</i>
<i>Eucalyptus crebra</i>
<i>Eucalyptus eugenioides</i>
<i>Eucalyptus globoidea</i>
<i>Eucalyptus grandis</i>
<i>Eucalyptus microcorys</i>
<i>Eucalyptus paniculata</i> subsp. <i>matutina</i>
<i>Eucalyptus pilularis</i>
<i>Eucalyptus piperita</i>
<i>Eucalyptus propinqua</i>
<i>Eucalyptus punctata</i>
<i>Eucalyptus saligna</i>
<i>Eucalyptus siderophloia</i>
<i>Eucalyptus</i> spp.
<i>Eucalyptus tereticornis</i>
<i>Eucalyptus umbra</i>
<i>Euchiton involucratus</i>
<i>Euchiton sphaericus</i>
<i>Euchiton</i> spp.
<i>Eupomatia laurina</i>
<i>Eustrephus latifolius</i>
<i>Exocarpos cupressiformis</i>
<i>Ficus coronata</i>
<i>Ficus rubiginosa</i>
<i>Fimbristylis dichotoma</i>
<i>Gahnia melanocarpa</i>
<i>Galium leiocarpum</i>
<i>Galium propinquum</i>
<i>Geitonoplesium cymosum</i>
<i>Geranium homeanum</i>

Scientific Name
<i>Geranium potentilloides</i>
<i>Geranium solanderi</i>
<i>Geranium solanderi</i> var. <i>solanderi</i>
<i>Glochidion ferdinandi</i>
<i>Glycine clandestina</i>
<i>Glycine microphylla</i>
<i>Glycine</i> spp.
<i>Glycine tabacina</i>
<i>Gmelina leichhardtii</i>
<i>Gomphocarpus fruticosus</i>
<i>Gonocarpus oreophilus</i>
<i>Gonocarpus teucroides</i>
<i>Grevillea arenaria</i>
<i>Grevillea granulifera</i>
<i>Gymnostachys anceps</i>
<i>Gynochthodes jasminoides</i>
<i>Haloragis heterophylla</i>
<i>Hardenbergia violacea</i>
<i>Harpullia hillii</i>
<i>Hibbertia dentata</i>
<i>Hibbertia obtusifolia</i>
<i>Hibbertia scandens</i>
<i>Hibiscus heterophyllus</i> subsp. <i>heterophyllus</i>
<i>Hibiscus trionum</i>
<i>Hybanthus stellarioides</i>
<i>Hydrocotyle geraniifolia</i>
<i>Hydrocotyle laxiflora</i>
<i>Hydrocotyle sibthorpioides</i>
<i>Hydrocotyle tripartita</i>
<i>Hymenosporum flavum</i>
<i>Hypericum gramineum</i>
<i>Hypochaeris glabra</i>
<i>Hypochaeris radicata</i>
<i>Imperata cylindrica</i>
<i>Indigofera australis</i>
<i>Jacksonia scoparia</i>
<i>Jasminum volubile</i>
<i>Kennedia rubicunda</i>
<i>Lantana camara</i>
<i>Lastreopsis acuminata</i>
<i>Lastreopsis decomposita</i>
<i>Lastreopsis microsora</i> subsp. <i>microsora</i>

Scientific Name
<i>Lastreopsis munita</i>
<i>Lastreopsis spp.</i>
<i>Lepidosperma laterale</i>
<i>Lepidosperma spp.</i>
<i>Lepidozamia peroffskyana</i>
<i>Leucopogon juniperinus</i>
<i>Leucopogon spp.</i>
<i>Libertia paniculata</i>
<i>Ligustrum lucidum</i>
<i>Ligustrum sinense</i>
<i>Litsea reticulata</i>
<i>Lobelia purpurascens</i>
<i>Lomandra filiformis</i>
<i>Lomandra filiformis subsp. filiformis</i>
<i>Lomandra laxa</i>
<i>Lomandra longifolia</i>
<i>Lomandra spicata</i>
<i>Lomandra spp.</i>
<i>Lophostemon confertus</i>
<i>Lysimachia japonica</i>
<i>Maclura cochinchinensis</i>
<i>Macrozamia communis</i>
<i>Macrozamia montana</i>
<i>Macrozamia spiralis</i>
<i>Macrozamia spp.</i>
<i>Mallotus philippensis</i>
<i>Marsdenia flavescens</i>
<i>Marsdenia lloydii</i>
<i>Marsdenia rostrata</i>
<i>Marsdenia suaveolens</i>
<i>Melia azedarach</i>
<i>Melicope micrococca</i>
<i>Melicope spp.</i>
<i>Melodinus australis</i>
<i>Mentha diemenica</i>
<i>Mentha satureioides</i>
<i>Microlaena stipoides</i>
<i>Microlaena stipoides var. stipoides</i>
<i>Microsorium scandens</i>
<i>Mischocarpus australis</i>
<i>Myoporum insulare</i>
<i>Myoporum montanum</i>
<i>Myrsine howittiana</i>

Scientific Name
<i>Myrsine variabilis</i>
<i>Neolitsea australiensis</i>
<i>Neolitsea dealbata</i>
<i>Nephrolepis spp.</i>
<i>Notelaea longifolia</i>
<i>Notelaea longifolia f. longifolia</i>
<i>Notelaea ovata</i>
<i>Notelaea sp. A</i>
<i>Nyssanthes diffusa</i>
<i>Olea paniculata</i>
<i>Olearia nernstii</i>
<i>Opercularia diphylla</i>
<i>Opercularia hispida</i>
<i>Oplismenus aemulus</i>
<i>Oplismenus imbecillis</i>
<i>Orites excelsus</i>
<i>Oxalis chnoodes</i>
<i>Oxalis corniculata</i>
<i>Oxytes brachypoda</i>
<i>Ozothamnus diosmifolius</i>
<i>Ozothamnus rufescens</i>
<i>Palmeria scandens</i>
<i>Pandorea pandorana</i>
<i>Pandorea pandorana subsp. pandorana</i>
<i>Panicum effusum</i>
<i>Panicum simile</i>
<i>Parsonsia brownii</i>
<i>Parsonsia induplicata</i>
<i>Parsonsia lanceolata</i>
<i>Parsonsia purpurascens</i>
<i>Parsonsia straminea</i>
<i>Parsonsia velutina</i>
<i>Paspalidium distans</i>
<i>Passiflora cinnabarina</i>
<i>Passiflora herbertiana</i>
<i>Passiflora herbertiana subsp. herbertiana</i>
<i>Passiflora subpeltata</i>
<i>Pavonia hastata</i>
<i>Pellaea falcata</i>
<i>Pellaea nana</i>
<i>Pellaea paradoxa</i>
<i>Pennantia cunninghamii</i>
<i>Peperomia tetraphylla</i>

Scientific Name
<i>Persoonia conjuncta</i>
<i>Persoonia levis</i>
<i>Persoonia linearis</i>
<i>Persoonia media</i>
<i>Persoonia spp.</i>
<i>Phyllanthus gunnii</i>
<i>Phyllanthus spp.</i>
<i>Phyllanthus virgatus</i>
<i>Physalis peruviana</i>
<i>Picris angustifolia</i>
<i>Pimelea ligustrina</i>
<i>Pimelea neo-anglica</i>
<i>Piper hederaceum var. hederaceum</i>
<i>Pittosporum multiflorum</i>
<i>Pittosporum revolutum</i>
<i>Pittosporum undulatum</i>
<i>Planchonella australis</i>
<i>Plantago debilis</i>
<i>Platycerium bifurcatum</i>
<i>Platycerium superbum</i>
<i>Plectranthus graveolens</i>
<i>Plectranthus parviflorus</i>
<i>Poa labillardierei var. labillardierei</i>
<i>Poa queenslandica</i>
<i>Poa sieberiana</i>
<i>Poa sieberiana var. sieberiana</i>
<i>Poa spp.</i>
<i>Pollia crispata</i>
<i>Polygala japonica</i>
<i>Polymeria calycina</i>
<i>Polyosma cunninghamii</i>
<i>Polyscias elegans</i>
<i>Polyscias murrayi</i>
<i>Polyscias sambucifolia</i>
<i>Polystichum australiense</i>
<i>Poranthera microphylla</i>
<i>Pseuderanthemum variabile</i>
<i>Psychotria loniceroides</i>
<i>Pteridium esculentum</i>
<i>Pteris tremula</i>
<i>Pteris umbrosa</i>
<i>Pterostylis pedunculata</i>
<i>Pyrrhosia confluens var.</i>

Scientific Name
<i>confluens</i>
<i>Ranunculus lappaceus</i>
<i>Ranunculus sessiliflorus</i> var. <i>sessiliflorus</i>
<i>Rhodamnia rubescens</i>
<i>Rhysotoechia bifoliolata</i> subsp. <i>bifoliolata</i>
<i>Richardia stellaris</i>
<i>Ripogonum discolor</i>
<i>Rostellularia adscendens</i> var. <i>latifolia</i>
<i>Rubus fruticosus</i> sp. agg.
<i>Rubus moluccanus</i> var. <i>trilobus</i>
<i>Rubus nebulosus</i>
<i>Rubus parvifolius</i>
<i>Rubus rosifolius</i>
<i>Sarcochilus falcatus</i>
<i>Sarcochilus parviflorus</i>
<i>Sarcopetalum harveyanum</i>
<i>Sarcopteryx stipata</i>
<i>Schizomeria ovata</i>
<i>Scleria mackaviensis</i>
<i>Scolopia braunii</i>
<i>Scutellaria humilis</i>
<i>Senecio amygdalifolius</i>
<i>Senecio madagascariensis</i>
<i>Senna acclinis</i>

Scientific Name
<i>Senna barronfieldii</i>
<i>Senna septemtrionalis</i>
<i>Sicyos australis</i>
<i>Sida rhombifolia</i>
<i>Sigesbeckia orientalis</i> subsp. <i>orientalis</i>
<i>Sloanea australis</i>
<i>Sloanea woollsii</i>
<i>Smilax australis</i>
<i>Solanum americanum</i>
<i>Solanum brownii</i>
<i>Solanum mauritianum</i>
<i>Solanum prinophyllum</i>
<i>Solanum</i> spp.
<i>Solanum stelligerum</i>
<i>Sorghum leiocladum</i>
<i>Sporobolus africanus</i>
<i>Sporobolus creber</i>
<i>Stellaria flaccida</i>
<i>Stenocarpus salignus</i>
<i>Stephania japonica</i>
<i>Stephania japonica</i> var. <i>discolor</i>
<i>Streblus brunonianus</i>
<i>Swainsona galegifolia</i>
<i>Syncarpia glomulifera</i>
<i>Synoum glandulosum</i> subsp. <i>glandulosum</i>

Scientific Name
<i>Tasmannia insipida</i>
<i>Tetrastigma nitens</i>
<i>Themeda triandra</i>
<i>Toona ciliata</i>
<i>Trema tomentosa</i> var. <i>aspera</i>
<i>Tripladenia cunninghamii</i>
<i>Tristaniopsis collina</i>
<i>Trochocarpa laurina</i>
<i>Trophis scandens</i>
<i>Trophis scandens</i> subsp. <i>scandens</i>
<i>Tylophora paniculata</i>
<i>Urtica incisa</i>
<i>Verbena rigida</i> var. <i>rigida</i>
<i>Verbena</i> spp.
<i>Vernonia cinerea</i>
<i>Vernonia cinerea</i> var. <i>cinerea</i>
<i>Veronica plebeia</i>
<i>Viola betonicifolia</i>
<i>Viola hederacea</i>
<i>Wahlenbergia</i> spp.
<i>Wahlenbergia stricta</i>
<i>Wilkiea huegeliana</i>
<i>Xanthorrhoea malacophylla</i>
<i>Zehneria cunninghamii</i>
<i>Zieria smithii</i>

APPENDIX 4 – FAUNA SPECIES LIST

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

Amphibians and reptiles	
Scientific name	Common name
<i>Litoria fallax</i>	Eastern Dwarf Tree Frog
<i>Litoria caerulea</i>	Green Tree Frog

Amphibians and reptiles	
Scientific name	Common name
<i>Litoria peronii</i>	Peron's Tree Frog
<i>Chelodina longicollis</i>	Eastern Snake-necked Turtle

Amphibians and reptiles	
Scientific name	Common name
<i>Emydura macquarii</i>	Macquarie Turtle

Birds	
Scientific name	Common name
<i>Gymnorhina tibicen</i>	Australian Magpie
<i>Aegotheles cristatus</i>	Australian Owlet-nightjar
<i>Corvus coronoides</i>	Australian Raven
<i>Geopelia humeralis</i>	Bar-shouldered Dove
<i>Zoothera lunulata</i>	Bassian Thrush
<i>Manorina melanophrys</i>	Bell Miner
<i>Gerygone mouki</i>	Brown Gerygone
<i>Accipiter fasciatus</i>	Brown Goshawk
<i>Platycercus elegans</i>	Crimson Rosella
<i>Acanthorhynchus tenuirostris</i>	Eastern Spinebill
<i>Psophodes olivaceus</i>	Eastern Whipbird
<i>Cacomantis flabelliformis</i>	Fan-tailed Cuckoo

Birds	
Scientific name	Common name
<i>Pachycephala pectoralis</i>	Golden Whistler
<i>Rhipidura albiscapa</i>	Grey Fantail
<i>Colluricincla harmonica</i>	Grey Shrike-thrush
<i>Dacelo novaeguineae</i>	Laughing Kookaburra
<i>Meliphaga lewinii</i>	Lewin's Honeyeater
<i>Philemon corniculatus</i>	Noisy Friarbird
<i>Geopelia striata</i>	Peaceful Dove
<i>Strepera graculina</i>	Pied Currawong
<i>Anthochaera carunculata</i>	Red Wattlebird
<i>Neochmia temporalis</i>	Red-browed Finch
<i>Petroica goodenovii</i>	Red-capped Robin
<i>Petroica rosea</i>	Rose Robin

Birds	
Scientific name	Common name
<i>Pachycephala rufiventris</i>	Rufous Whistler
<i>Zosterops lateralis</i>	Silvereye
<i>Tyto tenebricosa</i>	Sooty Owl
<i>Symposiachrus trivirgatus</i>	Spectacled Monarch
<i>Pardalotus punctatus</i>	Spotted Pardalote
<i>Malurus cyaneus</i>	Superb Fairy-wren
<i>Podargus strigoides</i>	Tawny Frogmouth
<i>Columba leucomela</i>	White-headed Pigeon
<i>Rhipidura leucophrys</i>	Willie Wagtail
<i>Ptilinopus magnificus</i>	Wompoo Fruit-Dove
<i>Acanthiza nana</i>	Yellow Thornbill
<i>Caligavis chrysops</i>	Yellow-faced Honeyeater

Mammals	
Scientific name	Common name
<i>Antechinus stuartii</i>	Brown Antechinus
<i>Trichosurus sp.</i>	brush-tail possum
<i>Trichosurus vulpecula</i>	Common Brushtail Possum

Mammals	
Scientific name	Common name
<i>Canis lupus</i>	Dingo, domestic dog
<i>Vulpes vulpes</i>	Fox
<i>Petauroides volans</i>	Greater Glider

Mammals	
Scientific name	Common name
<i>Macropus sp.</i>	kangaroo / wallaby
<i>Phascolarctos cinereus</i>	Koala
<i>Macropus parma</i>	Parma Wallaby
<i>Ornithorhynchus</i>	Platypus

Mammals	
Scientific name	Common name
<i>anatinus</i>	
<i>Tachyglossus aculeatus</i>	Short-beaked Echidna

Mammals	
Scientific name	Common name
<i>Dasyurus maculatus</i>	Spotted-tailed Quoll
<i>Petaurus breviceps</i>	Sugar Glider

Mammals	
Scientific name	Common name
<i>Petaurus australis</i>	Yellow-bellied Glider

APPENDIX 5 – 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	Approval details
2.0	<ul style="list-style-type: none"> » Reference to the <i>Flora Reserve Plan: Background and General Management</i> » Formatting updated » Change 	<ul style="list-style-type: none"> » The Hon. Tara Moriarty MLC, Minister for Agriculture, Minister for Regional New South Wales and Minister for Western New South Wales, 6/9/23