



# MINES ROAD FLORA RESERVE NO. 18

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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 Management 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

Mines Road Flora Reserve is located 26 kilometres north-west of the town of Wauchope in Bellangry State Forest. The reserve is situated in the headwaters of Cobrabald Creek, a tributary of Wilson River in the Hastings catchment. See Locality Map in Appendix 1.

### 1.2 KEY ATTRIBUTES OF THE RESERVE

Mines Road Flora Reserve possesses the following identified values to be protected:

- » Outstanding examples of mature moist Blackbutt forest, (the majority of which is mapped as high conservation value old growth forest)
- » Booyong-dominated subtropical rainforest
- » A significant number of habitat trees
- » Representative examples of forest ecosystems in the area.

### 1.3 GENERAL DESCRIPTION

#### Area

Mines Road Flora Reserve comprises 21 hectares and is roughly circular in shape.

#### Topography

The reserve combines ridge-top and gully areas. It ranges in altitude from 460 to 560 metres above sea level and principally consists of one ridgeline and a few lesser spurs at the head of Cobrabald Creek. Slopes range from gentle to moderate and aspect is generally northerly. Refer to Appendix 2 for topographic map.

#### Geology and soils

The soils of the reserve range from shallow to deep and are relatively fertile. It contains lithic sandstone, mudstone, siltstone and tuff with minor conglomerates and limestones derived from indurated shales of the Carboniferous period.

#### Climate

The reserve occurs within the subtropical zone and has an average annual rainfall of 1460 millimetres.

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## Vegetation/flora and fauna

The reserve contains outstanding examples of four main forest types: Booyong, Moist Blackbutt, Dry Blackbutt and Brush Box. There is a gradation from subtropical rainforest through moist hardwood to dry sclerophyll forest. The particular feature of the reserve is the fine example of well-developed moist Blackbutt. The reserve is typical of the natural vegetation found throughout an extensive area of State Forest and National Park in the vicinity. The most extensive forest type (12 hectares) is the Moist Blackbutt forest (forest type 36), dominated by Blackbutt (*Eucalyptus pilularis*) with Tallowwood (*E. micocorys*) as an associate. This mature tall wet sclerophyll forest is around 50 metres in height. Refer to Appendix 2 for Forest Type map and Appendix 3 and 4 for a list of flora and fauna species known to occur within the reserve.

## 1.4 HISTORY

### Aboriginal History and Cultural Values

Mines Road 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 Wilson River and its tributaries, 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

Selective timber harvesting occurred in Bellangry State Forest and adjacent areas from the years following World War 1, and intensive harvesting in the area commenced in about 1940 (though not within the reserve). Forest adjoining the reserve was harvested and regenerated in the period 1951 to 1961, with only selective harvesting on the western and southern sides.

The area was set aside locally as a reserve prior to 1956, primarily to preserve the mature Blackbutt stands.

The formal reservation of the area was proposed by Forester JC Cousins in August 1961, and a walking track was constructed through the reserve by crawler tractor in 1962. This track has since become revegetated.

The area was gazetted as Flora Reserve No. 79974 on 18 May 1973. In a general renumbering of Flora Reserves in the Government Gazette of 24 July 1987, the reserve became Mines Road Flora Reserve No. 18.

Operations to remove trees constituting a fire hazard, were carried out in the 1970s alongside roads bordering or passing through the Reserve. The disturbance resulting from this operation and from road construction has resulted in a strip of Blackbutt regeneration becoming established for a width of about 10 metres along the road edges within the reserve.

#### 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 has been impacted by two major fires since 2015 with the most recent during the 2019-20 summer season, with medium to high intensity fire recorded, resulting in the canopy being partially burnt in discrete areas.

#### Mining

The immediate area has a number of historic mines and associated infrastructure dating back to 1911, with the most recent activity occurring in 1980. Minerals and material targeted were Tin, Cassiterite,

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Arsenopyrite, Malachite, Pyrite, Chalcopyrite, Rutile, Bornite, Galena, Tetrahedrite, Molybdenite, Chalcocite, Digenite, Covellite and Curprite.

## 1.5 CURRENT USAGE

The reserve receives limited recreational usage, primarily by visitors driving through the reserve on Cobrabald Road and Mines Road to Wild Bull picnic area and The Bluff camping areas. No recreational facilities are provided at the reserve and there is no intention to develop any facilities. Number 1 Tower Picnic Area (off Hastings Forest Way, 500 metres south of the reserve) receives moderate use from passing tourists and has picnic and toilet 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 objectives of Mines Road Flora Reserve are to:

- enhance the ecological quality of the mature moist Blackbutt Forest and Booyong-dominated subtropical rainforest, ultimately protecting the significant amount of habitat trees for fauna
- preserve native flora and fauna species, including habitat for the Golden-tipped Bat and Sphagnum Frog
- protect Aboriginal cultural heritage sites and cultural values.
- maintain reference stands and provide for limited scientific study consistent with the protection of the area
- promote local communities' engagement in managing and protecting the flora reserve

### 2.2 MANAGEMENT STRATEGIES

Mines Road Flora Reserve will be managed in accordance with the Forestry Corporation of NSW Forest Management Plan for the Coastal Forests of NSW.

The broad management strategies and related actions to preserve native flora and improve the value and extent of habitat for all the affected threatened fauna 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
  - regeneration of any 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, including cultural burning, in a manner consistent with maintaining the health of forest ecosystems and in consultation with local Aboriginal communities.
- » Pest animal control.

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## 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. The site will be monitored periodically to prevent weed incursions.

## 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, Mines Road Flora Reserve/No.18 Dedicated 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 of the reserve, codes of practice, forest practices/operational circulars, protocols, licenses and management/recovery plans:

- » scientific studies (eg, 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 but new set-down sites will not be approved)
- » 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:

- » 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

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- Opportunity is provided for public comment on the proposal, obtained through advertising in the local newspaper, either print or online, or by publication on a website considered reasonably likely to come to the attention of members of the local community
- Ministerial approval is given for the proposal.

## Mining

The reserve was exempted from the provisions of the *Mining Act 1992* by notice in the Government Gazette of 18 October 1974.

## 2.3 MANAGEMENT RESPONSIBILITY

The reserve will be administered by Forestry Corporation's Hardwood Forest 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 regular 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*.

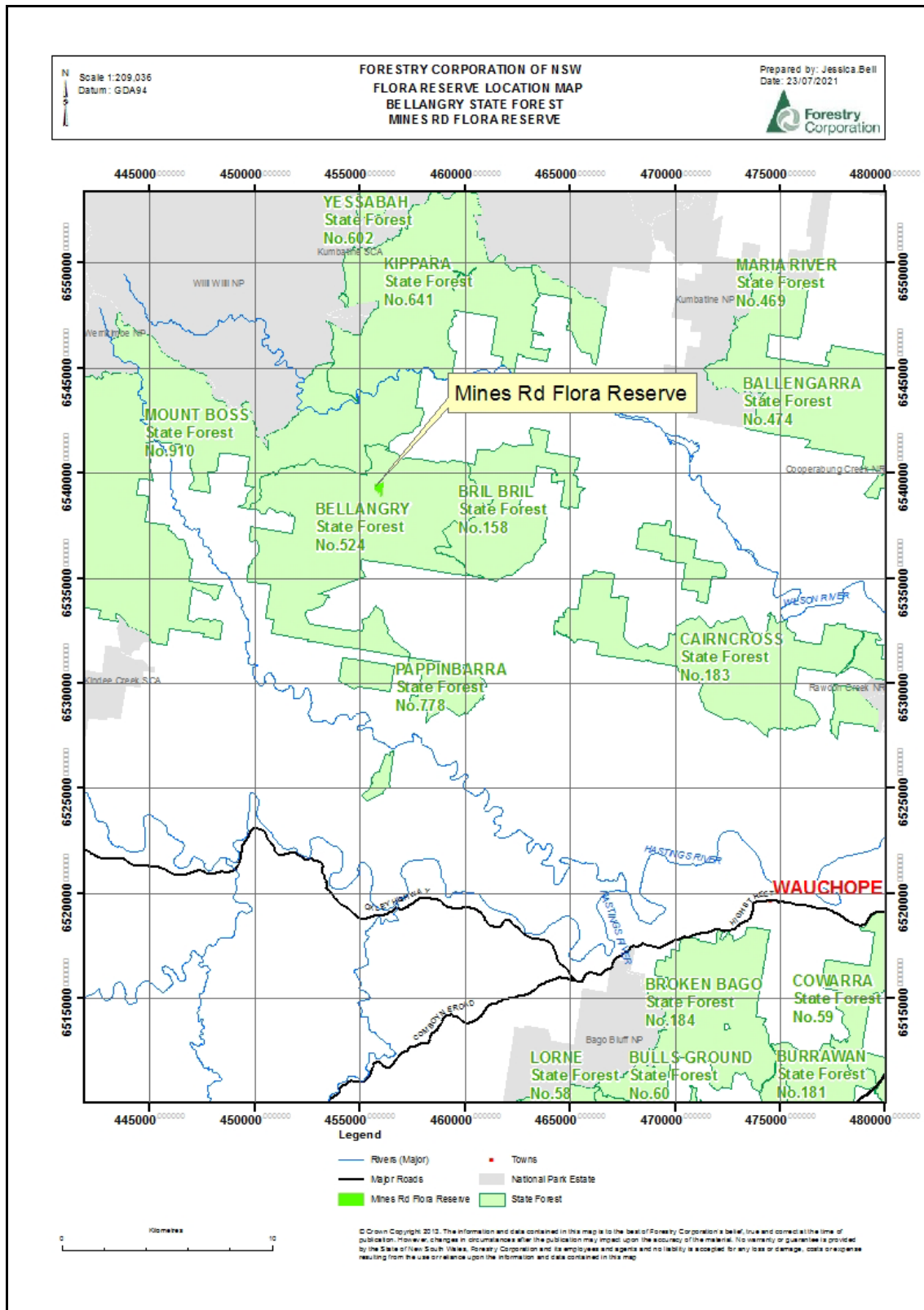
## 3. LIST OF APPENDICES

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# APPENDIX 1 – LOCALITY MAP



# APPENDIX 2 – TOPOGRAPHIC & FOREST TYPE MAP

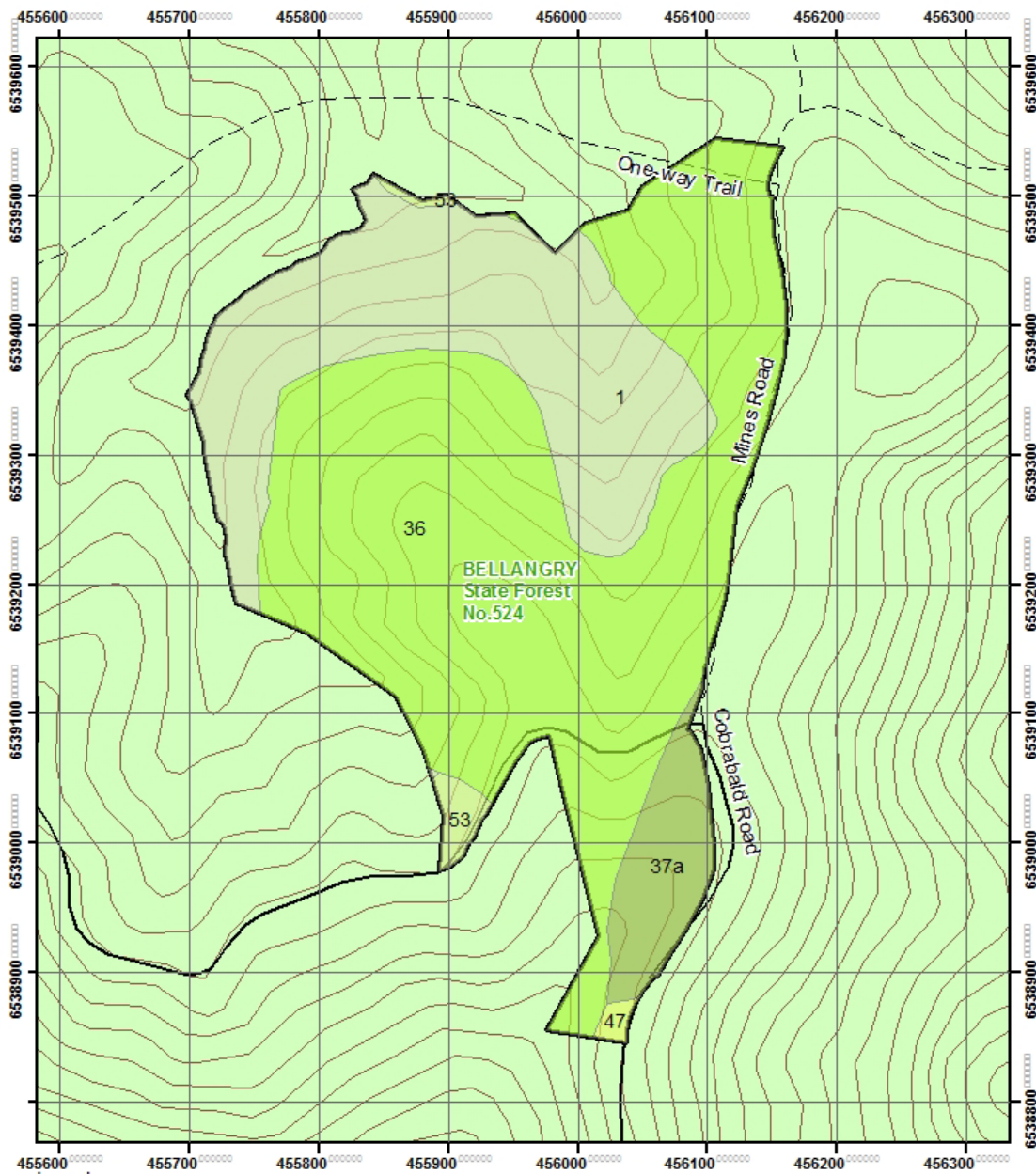
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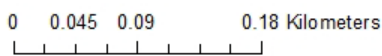
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Scale 1:4,115  
Datum: GDA94

FORESTRY CORPORATION OF NSW  
FLORA RESERVE TOPOGRAPHIC & FOREST TYPE MAP  
BELLANGRY STATE FOREST  
MINES RD FLORA RESERVE

Prepared by: Jessica Bell  
Date: 27/09/2021



- Legend
- Tracks
  - Roads
  - ▭ Mines Rd Flora Reserve
  - State Forest
  - Forest Type
  - 36 - Moist Blackbutt
  - 37a - Dry Blackbutt
  - 47 - Tallowood-Sydney Blue Gum
  - 53 - Brush Box
  - 1 - Booyong



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## 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 australasicum</i>	<i>Cissus antarctica</i>
<i>Acacia irrorata</i>	<i>Asplenium flaccidum</i> subsp. <i>flaccidum</i>	<i>Cissus hypoglauca</i>
<i>Acacia irrorata</i> subsp. <i>irrorata</i>	<i>Asplenium polyodon</i>	<i>Citronella moorei</i>
<i>Acacia maidenii</i>	<i>Astrotricha latifolia</i>	<i>Claoxylon australe</i>
<i>Acacia melanoxylon</i>	<i>Austrostipa pubescens</i>	<i>Clematicissus opaca</i>
<i>Acacia myrtifolia</i>	<i>Backhousia myrtifolia</i>	<i>Clematis aristata</i>
<i>Acacia nova-anglica</i>	<i>Backhousia sciadophora</i>	<i>Clerodendrum tomentosum</i>
<i>Acacia suaveolens</i>	<i>Baloghia inophylla</i>	<i>Commelina cyanea</i>
<i>Acacia ulicifolia</i>	<i>Banksia spinulosa</i> var. <i>collina</i>	<i>Commersonia fraseri</i>
<i>Acianthus fornicatus</i>	<i>Baumea planifolia</i>	<i>Conyza parva</i>
<i>Acmena smithii</i>	<i>Beilschmiedia elliptica</i>	<i>Cooperookia chisholmii</i>
<i>Acradenia euodiiformis</i>	<i>Benthamina alyxifolia</i>	<i>Cordyline stricta</i>
<i>Acronychia oblongifolia</i>	<i>Billardiera scandens</i>	<i>Corymbia gummifera</i>
<i>Adiantum aethiopicum</i>	<i>Blechnum cartilagineum</i>	<i>Corymbia intermedia</i>
<i>Adiantum formosum</i>	<i>Blechnum neohollandicum</i>	<i>Croton verreauxii</i>
<i>Adiantum hispidulum</i>	<i>Blechnum patersonii</i>	<i>Cryptocarya erythroxyton</i>
<i>Adiantum silvaticum</i>	<i>Boronia chartacea</i>	<i>Cryptocarya foveolata</i>
<i>Ajuga australis</i>	<i>Boronia microphylla</i>	<i>Cryptocarya glaucescens</i>
<i>Alangium villosum</i> subsp. <i>polyosmoides</i>	<i>Botrychium australe</i>	<i>Cryptocarya meissneriana</i>
<i>Alchornea ilicifolia</i>	<i>Breynia oblongifolia</i>	<i>Cryptocarya microneura</i>
<i>Alectryon subcinereus</i>	<i>Brunoniella australis</i>	<i>Cryptocarya rigida</i>
<i>Allocasuarina littoralis</i>	<i>Caesia parviflora</i>	<i>Cryptostylis erecta</i>
<i>Allocasuarina torulosa</i>	<i>Caladenia carnea</i>	<i>Cupaniopsis baileyana</i>
<i>Alocasia brisbanensis</i>	<i>Caldcluvia paniculosa</i>	<i>Cuttsia viburnea</i>
<i>Alphitonia excelsa</i>	<i>Callicoma serratifolia</i>	<i>Cyathea australis</i>
<i>Alpinia arundelliana</i>	<i>Callistemon salignus</i>	<i>Cyathea leichhardtiana</i>
<i>Alpinia caerulea</i>	<i>Calochlaena dubia</i>	<i>Cyclophyllum longipetalum</i>
<i>Alyxia ruscifolia</i>	<i>Capparis arborea</i>	<i>Cyclosorus dentatus</i>
<i>Amyema pendula</i> subsp. <i>pendula</i>	<i>Cardamine microthrix</i>	<i>Cymbidium suave</i>
<i>Amylothea dictyophleba</i>	<i>Carex appressa</i>	<i>Cymbopogon refractus</i>
<i>Andropogon virginicus</i>	<i>Cassinia trinerva</i>	<i>Cyperus tetraphyllus</i>
<i>Anopterus macleayanus</i>	<i>Cassytha glabella</i>	<i>Dampiera lanceolata</i> var. <i>lanceolata</i>
<i>Arachniodes aristata</i>	<i>Cassytha pubescens</i>	<i>Dampiera purpurea</i>
<i>Archirhodomyrtus beckleri</i>	<i>Celastrus subspicata</i>	<i>Daphnandra apatela</i>
<i>Archontophoenix cunninghamiana</i>	<i>Cephalalaria cephalobotrys</i>	<i>Daphnandra micrantha</i>
<i>Argyrodendron actinophyllum</i>	<i>Ceratopetalum apetalum</i>	<i>Davallia solida</i> var. <i>pyxidata</i>
<i>Aristida</i> spp.	<i>Cheilanthes austrotenuifolia</i>	<i>Daviesia umbellulata</i>
<i>Arthropteris tenella</i>	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	<i>Dendrobium aemulum</i>

Scientific name
<i>Dendrobium fairfaxii</i>
<i>Dendrobium gracilicaule</i>
<i>Dendrobium speciosum</i> var. <i>hillii</i>
<i>Dendrocnide excelsa</i>
<i>Denhamia silvestris</i>
<i>Deparia petersenii</i> subsp. <i>congrua</i>
<i>Desmodium rhytidophyllum</i>
<i>Desmodium varians</i>
<i>Dianella caerulea</i>
<i>Dianella caerulea</i> var. <i>producta</i>
<i>Digitaria parviflora</i>
<i>Dioscorea transversa</i>
<i>Diospyros australis</i>
<i>Diospyros pentamera</i>
<i>Diplazium dilatatum</i>
<i>Diploglottis australis</i>
<i>Dodonaea megazyga</i>
<i>Dodonaea triquetra</i>
<i>Doryphora sassafras</i>
<i>Drymophila moorei</i>
<i>Dysoxylum fraserianum</i>
<i>Dysoxylum rufum</i>
<i>Echinopogon caespitosus</i>
<i>Echinopogon caespitosus</i> var. <i>caespitosus</i>
<i>Elaeocarpus kirtonii</i>
<i>Elaeocarpus reticulatus</i>
<i>Embelia australiana</i>
<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>Eucalyptus agglomerata</i>
<i>Eucalyptus amplifolia</i>
<i>Eucalyptus biturbinata</i>
<i>Eucalyptus carnea</i>
<i>Eucalyptus eugenioides</i>
<i>Eucalyptus globoidea</i>
<i>Eucalyptus grandis</i>
<i>Eucalyptus microcorys</i>
<i>Eucalyptus moluccana</i>
<i>Eucalyptus oreades</i>
<i>Eucalyptus pilularis</i>

Scientific name
<i>Eucalyptus placita</i>
<i>Eucalyptus propinqua</i>
<i>Eucalyptus resinifera</i>
<i>Eucalyptus saligna</i>
<i>Eucalyptus siderophloia</i>
<i>Eucalyptus tereticornis</i>
<i>Eucalyptus umbra</i>
<i>Eupomatia laurina</i>
<i>Euroschinus falcatus</i> var. <i>falcatus</i>
<i>Eustrephus latifolius</i>
<i>Exocarpos cupressiformis</i>
<i>Ficus coronata</i>
<i>Ficus obliqua</i>
<i>Flagellaria indica</i>
<i>Gahnia aspera</i>
<i>Gahnia melanocarpa</i>
<i>Geissois benthamiana</i>
<i>Geitonoplesium cymosum</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>Gmelina leichhardtii</i>
<i>Gompholobium latifolium</i>
<i>Gompholobium pinnatum</i>
<i>Gompholobium virgatum</i>
<i>Gonocarpus humilis</i>
<i>Gonocarpus teucrioides</i>
<i>Goodenia fordiana</i>
<i>Goodenia hederacea</i> subsp. <i>hederacea</i>
<i>Goodia lotifolia</i>
<i>Grevillea linsmithii</i>
<i>Guioa semiglauc</i>
<i>Gymnostachys anceps</i>
<i>Gynochthodes jasminoides</i>
<i>Hardenbergia violacea</i>
<i>Hedycarya angustifolia</i>
<i>Hibbertia aspera</i>
<i>Hibbertia dentata</i>
<i>Hibbertia empetrifolia</i> subsp. <i>empetrifolia</i>
<i>Hibbertia scandens</i>
<i>Hovea pedunculata</i>

Scientific name
<i>Hybanthus stellarioides</i>
<i>Hydrocotyle acutiloba</i>
<i>Hydrocotyle bonariensis</i>
<i>Hydrocotyle geraniifolia</i>
<i>Hydrocotyle sibthorpioides</i>
<i>Hydrocotyle tripartita</i>
<i>Hypericum gramineum</i>
<i>Hypochaeris radicata</i>
<i>Imperata cylindrica</i>
<i>Indigofera australis</i>
<i>Jacksonia scoparia</i>
<i>Kennedia rubicunda</i>
<i>Kickxia elatine</i> subsp. <i>crinita</i>
<i>Lagenifera stipitata</i>
<i>Lantana camara</i>
<i>Lastreopsis acuminata</i>
<i>Lastreopsis decomposita</i>
<i>Lastreopsis microsora</i> subsp. <i>microsora</i>
<i>Lepidosperma laterale</i>
<i>Leptospermum polygalifolium</i>
<i>Leptospermum trinervium</i>
<i>Leucopogon juniperinus</i>
<i>Leucopogon lanceolatus</i>
<i>Lindsaea linearis</i>
<i>Lindsaea microphylla</i>
<i>Linospadix monostachyos</i>
<i>Litsea reticulata</i>
<i>Lobelia purpurascens</i>
<i>Lobelia trigonocaulis</i>
<i>Lomandra filiformis</i>
<i>Lomandra filiformis</i> subsp. <i>filiformis</i>
<i>Lomandra hystrix</i>
<i>Lomandra longifolia</i>
<i>Lomandra multiflora</i> subsp. <i>multiflora</i>
<i>Lomandra spicata</i>
<i>Lomatia silaifolia</i>
<i>Lophostemon confertus</i>
<i>Lycopodium deuterodensum</i>
<i>Mallotus philippensis</i>
<i>Melaleuca groveana</i>
<i>Melicope micrococca</i>
<i>Melodinus australis</i>

Scientific name
<i>Microlaena stipoides</i>
<i>Microsorium pustulatum</i> subsp.
<i>Microsorium scandens</i>
<i>Mirbelia rubiifolia</i>
<i>Monotoca scoparia</i>
<i>Myrsine howittiana</i>
<i>Myrsine variabilis</i>
<i>Neolitsea australiensis</i>
<i>Neolitsea dealbata</i>
<i>Notelaea longifolia</i>
<i>Notelaea longifolia</i> f. <i>intermedia</i>
<i>Notelaea longifolia</i> f. <i>longifolia</i>
<i>Notelaea venosa</i>
<i>Olearia tomentosa</i>
<i>Opercularia aspera</i>
<i>Opercularia hispida</i>
<i>Oplismenus aemulus</i>
<i>Oplismenus imbecillis</i>
<i>Orites excelsus</i>
<i>Oxalis corniculata</i>
<i>Oxalis exilis</i>
<i>Ozothamnus diosmifolius</i>
<i>Ozothamnus obovatus</i>
<i>Ozothamnus whitei</i>
<i>Palmeria scandens</i>
<i>Pandorea pandorana</i>
<i>Pandorea pandorana</i> subsp. <i>pandorana</i>
<i>Panicum simile</i>
<i>Parsonsia induplicata</i>
<i>Parsonsia lanceolata</i>
<i>Parsonsia straminea</i>
<i>Passiflora edulis</i>
<i>Passiflora herbertiana</i>
<i>Patersonia glabrata</i>
<i>Patersonia sericea</i>
<i>Pellaea paradoxa</i>
<i>Pennantia cunninghamii</i>
<i>Peperomia tetraphylla</i>
<i>Persoonia levis</i>
<i>Persoonia linearis</i>
<i>Persoonia media</i>
<i>Petrophile canescens</i>
<i>Petrophile pulchella</i>

Scientific name
<i>Philothea difformis</i> subsp. <i>smithiana</i>
<i>Phyllanthus gunnii</i>
<i>Phyllanthus hirtellus</i>
<i>Physalis peruviana</i>
<i>Pimelea ligustrina</i> subsp. <i>hypericina</i>
<i>Pimelea ligustrina</i> subsp. <i>ligustrina</i>
<i>Pimelea linifolia</i>
<i>Piper hederaceum</i> var. <i>hederaceum</i>
<i>Pittosporum multiflorum</i>
<i>Pittosporum revolutum</i>
<i>Pittosporum undulatum</i>
<i>Platynerium bifurcatum</i>
<i>Platynerium superbum</i>
<i>Platylobium formosum</i>
<i>Plectranthus graveolens</i>
<i>Plectranthus parviflorus</i>
<i>Poa labillardierei</i> var. <i>labillardierei</i>
<i>Poa sieberiana</i>
<i>Podolobium ilicifolium</i>
<i>Polyosma cunninghamii</i>
<i>Polyscias elegans</i>
<i>Polyscias murrayi</i>
<i>Polyscias sambucifolia</i>
<i>Pomax umbellata</i>
<i>Pothos longipes</i>
<i>Prostanthera lasianthos</i>
<i>Prostanthera ovalifolia</i>
<i>Pseudanthus pauciflorus</i> subsp. <i>pauciflorus</i>
<i>Pseuderanthemum variabile</i>
<i>Psychotria loniceroides</i>
<i>Pteridium esculentum</i>
<i>Pteris tremula</i>
<i>Pteris umbrosa</i>
<i>Pultenaea myrtoides</i>
<i>Pultenaea petiolaris</i>
<i>Pultenaea retusa</i>
<i>Pyrosia confluens</i> var. <i>confluens</i>
<i>Rhodamnia rubescens</i>
<i>Ripogonum discolor</i>
<i>Rubus moluccanus</i>
<i>Rubus moluccanus</i> var. <i>trilobus</i>

Scientific name
<i>Rubus nebulosus</i>
<i>Rubus parvifolius</i>
<i>Rubus rosifolius</i>
<i>Rytidosperma caespitosum</i>
<i>Sarcochilus falcatus</i>
<i>Sarcopetalum harveyanum</i>
<i>Sarcopteryx stipata</i>
<i>Schizomeria ovata</i>
<i>Scolopia braunii</i>
<i>Senecio amygdalifolius</i>
<i>Sloanea australis</i>
<i>Sloanea woollsii</i>
<i>Smilax australis</i>
<i>Smilax glycyphylla</i>
<i>Solanum aviculare</i>
<i>Solanum brownii</i>
<i>Solanum curvicutpe</i>
<i>Solanum densevestitum</i>
<i>Solanum hapalum</i>
<i>Solanum mauritanium</i>
<i>Solanum prinophyllum</i>
<i>Solanum stelligerum</i>
<i>Sorghum leiocladum</i>
<i>Stackhousia viminea</i>
<i>Stenocarpus salignus</i>
<i>Stephania japonica</i> var. <i>discolor</i>
<i>Syncarpia glomulifera</i>
<i>Synoum glandulosum</i> subsp.
<i>Tabernaemontana pandacaqui</i>
<i>Tasmania insipida</i>
<i>Tetrastigma nitens</i>
<i>Tetrateca thymifolia</i>
<i>Themeda triandra</i>
<i>Thysanotus tuberosus</i>
<i>Toona ciliata</i>
<i>Trimenia moorei</i>
<i>Tripladenia cunninghamii</i>
<i>Tristaniopsis collina</i>
<i>Tristaniopsis laurina</i>
<i>Trochocarpa laurina</i>
<i>Trophis scandens</i>
<i>Tylophora paniculata</i>
<i>Uredo rangelii</i>
<i>Vernonia cinerea</i>

<b>Scientific name</b>
<i>Viola betonicifolia</i>
<i>Viola hederacea</i>
<i>Vittaria elongata</i>

<b>Scientific name</b>
<i>Wilkiea huegeliana</i>
<i>Xanthosia pilosa</i>
<i>Zehneria cunninghamii</i>

<b>Scientific name</b>
<i>Zieria smithii</i>

## APPENDIX 4 – FAUNA SPECIES LIST

### Fauna found within 5000m of the Reserve, desktop search undertaken July 2021

Amphibians and reptiles	
Scientific name	Common name
<i>Crinia signifera</i>	Common Eastern Froglet
<i>Mixophyes iteratus</i>	Giant Barred Frog
<i>Litoria phyllochroa</i>	Leaf-green Tree Frog
<i>Adelotus brevis</i>	Tusked

Amphibians and reptiles	
Scientific name	Common name
	Frog
<i>Litoria wilcoxii</i>	
<i>Lampropholis delicata</i>	Dark-flecked Garden Sunskink
<i>Intellagama lesueurii</i>	Eastern Water Dragon

Amphibians and reptiles	
Scientific name	Common name
<i>Varanus varius</i>	Lace Monitor
<i>Tropidechis carinatus</i>	Rough-scaled Snake
<i>Egernia striolata</i>	Tree Skink

Birds	
Scientific name	Common name
<i>Aegotheles cristatus</i>	Australian Owlet-nightjar
<i>Acanthiza pusilla</i>	Brown Thornbill
<i>Accipiter cirrocephalus</i>	Collared Sparrowhawk
<i>Platycercus elegans</i>	Crimson Rosella
<i>Eopsaltria australis</i>	Eastern Yellow Robin
<i>Calyptorhynchus lathami</i>	Glossy Black-Cockatoo
<i>Colluricincla harmonica</i>	Grey Shrike-thrush
<i>Dacelo novaeguineae</i>	Laughing Kookaburra
<i>Phalacrocorax</i>	Little Black

Birds	
Scientific name	Common name
<i>sulcirostris</i>	Cormorant
<i>Hieraetus morphnoides</i>	Little Eagle
<i>Tyto novaehollandiae</i>	Masked Owl
<i>Phylidonyris novaehollandiae</i>	New Holland Honeyeater
<i>Philemon corniculatus</i>	Noisy Friarbird
<i>Strepera graculina</i>	Pied Currawong
<i>Climacteris erythroptis</i>	Red-browed Treecreeper
<i>Ptilinopus regina</i>	Rose-crowned Fruit Dove
<i>Tyto tenebricosa</i>	Sooty Owl

Birds	
Scientific name	Common name
<i>Ninox novaeseelandiae</i>	Southern Boobook
<i>Pardalotus punctatus</i>	Spotted Pardalote
<i>Acanthiza lineata</i>	Striated Thornbill
<i>Podargus strigoides</i>	Tawny Frogmouth
<i>Sericornis frontalis</i>	White-browed Scrubwren
<i>Melithreptus lunatus</i>	White-naped Honeyeater
<i>Cormobates leucophaea</i>	White-throated Treecreeper

Mammals	
Scientific name	Common name
<i>Canis lupus</i>	Dingo, domestic dog
<i>Macropus giganteus</i>	Eastern Grey Kangaroo
<i>Petauroides Volans</i>	Greater Glider
<i>Phascolarctos</i>	Koala

Mammals	
Scientific name	Common name
<i>cinereus</i>	
<i>Tachyglossus aculeatus</i>	Short-beaked Echidna
<i>Trichosurus caninus</i>	Short-eared Possum
<i>Myotis macropus</i>	Southern Myotis

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





Mines Road flora reserve, looking north-west from Cobrabald Road.

## 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 was approved by The Hon. Dugald Saunders MP, Minister for Agriculture and Western NSW.

Date of approval: 20 June 2022.

Version	Changes	Approval details
2.0	<ul style="list-style-type: none"><li>» Reference to the <i>Flora Reserve Plan: Background and General Management</i></li><li>» Periodic review and update</li></ul>	<ul style="list-style-type: none"><li>» The Hon. Dugald Saunders MP, Minister for Agriculture and Western NSW 20/6/22.</li></ul>