



MOUNT ALLYN FLORA RESERVE NO. 173

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 Allyn Flora Reserve is in Chichester State Forest, about 42 kilometers northwest of the town of Dungog. The reserve occupies western and eastern falls into the upper reaches of the Paterson River, the Mount Allyn range and the western fall into the Allyn River. 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:

- » mature stands of Blue Gum and Silvertop Stringybark (of which substantial areas are mapped as of high conservation value old growth forest)
- » stands of subtropical rainforest and cool temperate rainforest
- » habitat for native fauna, including the Sooty Owl and Rufous Scrub-bird
- » representative examples of forest ecosystems in the area.

1.3 GENERAL DESCRIPTION

Area

Mount Allyn Flora Reserve is a large reserve comprising of 2,478 hectares, adjacent to and complimenting the Barrington Tops National Park.

Topography

The reserve is strongly dissected and includes ridge-top to gully. Slopes are generally steep, with east facing aspect areas most common while northerly aspects are the least common.

Geology and Soils

The soils of the reserve are deep and relatively fertile. The reserve has two main soil types, rich krasnozems derived from remnants of the Tertiary basalt flows, and red and yellow podsolics derived from the underlying shales of the Carboniferous period. Most soils have developed to good depth and are rich in organic matter. Soils on steep exposed ridges are shallower but still fertile.

Climate

The reserve has a cool temperate climate with an average annual rainfall of about 1300mm. Due to the altitude frosts are common in winter and snow is experienced on Mount Allyn in most years.

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Vegetation/Flora and Fauna

Mount Allyn Flora Reserve has a complex mosaic of vegetation and forest ecosystems reflecting species requirements and interaction with edaphic factors, climate aspect, and competition and management intervention.

The two main hardwood forest types are Blue Gum and Silvertop Stringybark – Gum, and the two main rainforest types are Antarctic Beech (cool temperate rainforest) and Corkwood – Sassafras – Crabapple – Silver Sycamore (subtropical rainforest).

Particular features of the reserve are the old growth rainforest and hardwood stands and the various succession stages reflecting development since harvesting.

The reserve is located within a large block of forested country, which supports a broad array of fauna, threatened species such as Sooty Owl (*Tyto tenebricosa*), Rufous Scrub-bird (*Atrichornis rufescens*), and Wompoo Fruit Dove (*Ptilinopus magnificus*) have been recorded in or within 5 kilometres of the reserve. Appendices 2 and 3 outline a list of flora and fauna species known to occur within the Reserve.

1.4 HISTORY

Aboriginal History and Cultural Values

The Mt Allyn region encompasses the traditional lands of the Gurigai, Worimi, Geawegal, Wonaruah and Biripi, peoples, while Mt Allyn flora reserve is located within the boundary of Karuah Local Aboriginal Land Council. 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 Paterson River and Allyn 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 trees and places created at the beginning of time.

Post European Settlement

Harvesting

Light selective logging for hardwood occurred in the Allyn River catchment of Chichester State Forest in 1920 and from 1936 in Masseys Creek State Forest. Logging of brushwood from the rainforests occurred from about 1940. Logging became more intensive for hardwood from the early 1950s and for brushwood's from 1965.

In much of the area now covered by the reserve logging occurred from 1964 to 1991. Logging has varied in intensity dependent on forest site quality, species, markets, forest accessibility and regeneration requirements. Steep areas and areas distant from roads tended to be less intensively disturbed. Fire was used to reduce fire hazard, provide a seed bed and control mesic understory competition. High intensity post-logging burning promoted good regeneration and removed sufficient overstorey competition to ensure good growth. Where good regeneration was not anticipated seedlings of Silvertop Stringybark were planted (155ha).

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 west of the reserve was impacted by wildfire in the 2019/2020 summer season, resulting in a partially burnt canopy.

Establishment of Flora Reserve

Part of the reserve was initially set aside to protect stands of Antarctic Beech and alpine swamps when parts of Barrington Tops National Park were State Forest.

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The conservation values of the reserve were highlighted in the Comprehensive Regional Assessment of the forests of North East NSW. The area was set aside as Mount Allyn Flora Reserve No 173 in the Forestry and National Parks Estates Act 1998. The extent of the reserve was settled by negotiation with National Parks and Wildlife Service of NSW and was gazetted on 1st January 1999.

1.5 CURRENT USAGE

The reserve receives significant recreational use, primarily to the lookout on the summit of Mount Allyn but also for access to hiking in the rough terrain of the wilderness area containing peaks and escarpment to the north in the Barrington Tops National Park. Visitors are often associated with camping activities in the Allyn River camping area, but day visitors are also common. Recreational facilities including picnic tables and barbecues have been constructed on Mount Allyn and there are additional facilities provided at the camping grounds on the Allyn River.

2. SYSTEM OF MANAGEMENT

2.1 OBJECTIVES OF MANAGEMENT

The objects of management will be to:

- » protect mature stands of Blue Gum and Silvertop Stringybark (of which substantial areas are high conservation value old growth)
- » enhance the ecological quality of stands of subtropical rainforest and cool temperate rainforest
- » preserve native flora and fauna species, including habitat for the Sooty Owl and Rufous Scrub-bird
- » protect Aboriginal cultural heritage sites and cultural values
- » maintain reference stands and provide for limited scientific study consistent with the protection of the area.

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 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
 - weed control

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- removal of rubbish
 - 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 Allyn 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, codes of practice, forest practices/operational circulars, protocols, licenses and management/recovery plans:

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

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- » 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
 - opportunity is provided for public comment on the proposal, obtained through advertising in the local newspaper.

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*.

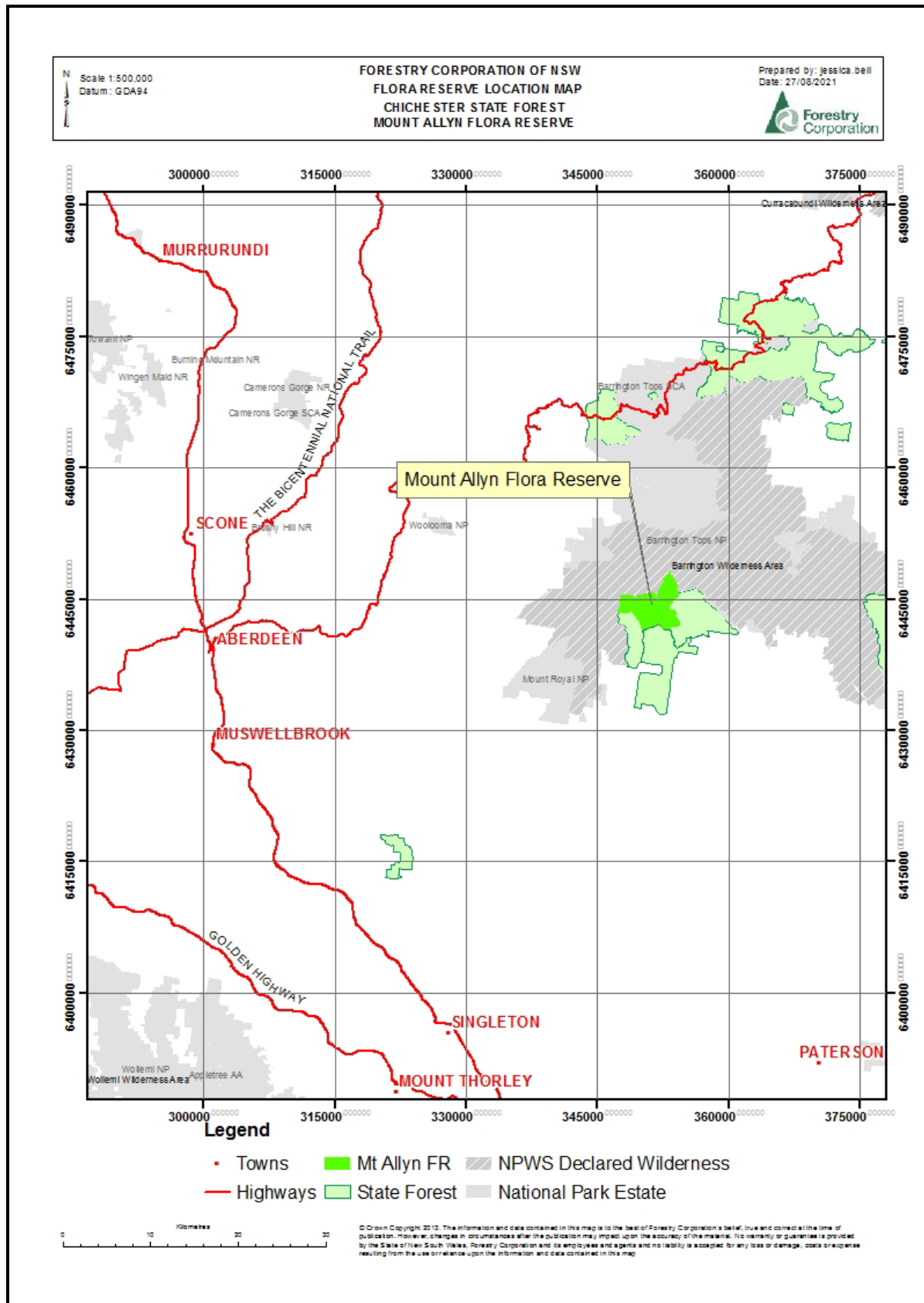
3. LIST OF APPENDICES

- » Appendix 1 – Locality Map
- » Appendix 2 – Flora Species List
- » Appendix 3 – Fauna Species List
- » Appendix 4 – Approval and Amendments from previous version

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APPENDIX 1 – LOCALITY MAP



APPENDIX 2 – FLORA SPECIES LIST

Flora found within 5000m of flora reserve – desktop search undertaken August 2021

Scientific name
<i>Acacia floribunda</i>
<i>Acacia implexa</i>
<i>Acacia irrorata</i>
<i>Acacia irrorata</i> subsp. <i>irrorata</i>
<i>Acacia longifolia</i>
<i>Acacia maidenii</i>
<i>Acacia mearnsii</i>
<i>Acacia melanoxylon</i>
<i>Acacia obtusifolia</i>
<i>Acacia</i> spp.
<i>Acaena novae-zelandiae</i>
<i>Acianthus fornicatus</i>
<i>Acianthus</i> spp.
<i>Acmena smithii</i>
<i>Acradenia euodiiformis</i>
<i>Acronychia oblongifolia</i>
<i>Acrothamnus hookeri</i>
<i>Acrotiche latifolia</i>
<i>Adenochilus nortonii</i>
<i>Adiantum aethiopicum</i>
<i>Adiantum diaphanum</i>
<i>Adiantum formosum</i>
<i>Adiantum hispidulum</i>
<i>Adiantum hispidulum</i> var. <i>hispidulum</i>
<i>Ajuga australis</i>
<i>Alangium villosum</i> subsp. <i>polyosmoides</i>
<i>Alectryon subcinereus</i>
<i>Allocasuarina torulosa</i>
<i>Alocasia brisbanensis</i>
<i>Alphitonia excelsa</i>
<i>Amyema cambagei</i>
<i>Amyema pendula</i>
<i>Amylothea dictyophleba</i>
<i>Aneilema acuminatum</i>
<i>Angophora floribunda</i>
<i>Angophora subvelutina</i>
<i>Aphanopetalum resinatum</i>
<i>Araujia sericifera</i>

Scientific name
<i>Archirhodomyrtus beckleri</i>
<i>Arthropodium milleflorum</i>
<i>Arthropteris beckleri</i>
<i>Arthropteris tenella</i>
<i>Asperula gunnii</i>
<i>Asplenium australasicum</i>
<i>Asplenium bulbiferum</i> subsp. <i>gracillimum</i>
<i>Asplenium flabellifolium</i>
<i>Asplenium polyodon</i>
<i>Astrotricha latifolia</i>
<i>Atherosperma moschatum</i>
<i>Australina pusilla</i>
<i>Austrostipa ramosissima</i>
<i>Austrostipa rudis</i> subsp. <i>nervosa</i>
<i>Backhousia myrtifolia</i>
<i>Backhousia sciadophora</i>
<i>Baloghia inophylla</i>
<i>Banksia integrifolia</i>
<i>Banksia integrifolia</i> subsp. <i>monticola</i>
<i>Barbarea grayi</i>
<i>Benthamina alyxifolia</i>
<i>Berberidopsis beckleri</i>
<i>Billardiera macrantha</i>
<i>Billardiera scandens</i>
<i>Blechnum cartilagineum</i>
<i>Blechnum fluviatile</i>
<i>Blechnum minus</i>
<i>Blechnum neohollandicum</i>
<i>Blechnum patersonii</i>
<i>Blechnum patersonii</i> subsp. <i>patersonii</i>
<i>Blechnum penna-marina</i> subsp. <i>alpina</i>
<i>Blechnum spinulosum</i>
<i>Blechnum watsii</i>
<i>Botrychium australe</i>
<i>Brachychiton acerifolius</i>
<i>Breynia oblongifolia</i>

Scientific name
<i>Brunoniella australis</i>
<i>Bulbophyllum exiguum</i>
<i>Bulbophyllum shepherdii</i>
<i>Bulbophyllum</i> spp.
<i>Caldcluvia paniculosa</i>
<i>Callicoma serratifolia</i>
<i>Callistemon pallidus</i>
<i>Callistemon salignus</i>
<i>Callitriche muelleri</i>
<i>Calochilus</i> spp.
<i>Calochlaena dubia</i>
<i>Cardamine astoniae</i>
<i>Carex appressa</i>
<i>Carex breviculmis</i>
<i>Carex brunnea</i>
<i>Carex declinata</i>
<i>Carex hubbardii</i>
<i>Carex inversa</i>
<i>Carex lobolepis</i>
<i>Carex longebrachiata</i>
<i>Carex</i> spp.
<i>Cassinia trinerva</i>
<i>Casuarina cunninghamiana</i> subsp. <i>cunninghamiana</i>
<i>Cayratia clematidea</i>
<i>Cayratia eurynema</i>
<i>Celastrus australis</i>
<i>Celastrus subspicata</i>
<i>Centella asiatica</i>
<i>Cephalalaria cephalobotrys</i>
<i>Cephalomanes caudatum</i>
<i>Ceratopetalum apetalum</i>
<i>Cestichis coelogyoides</i>
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>
<i>Chiloglottis reflexa</i>
<i>Chiloglottis trilabra</i>
<i>Cinnamomum oliveri</i>
<i>Cirsium vulgare</i>
<i>Cissus antarctica</i>

Scientific name
<i>Cissus hypoglauca</i>
<i>Citronella moorei</i>
<i>Claoxylon australe</i>
<i>Clematis aristata</i>
<i>Clematis glycinoides</i>
<i>Clerodendrum tomentosum</i>
<i>Commersonia fraseri</i>
<i>Conyza sumatrensis</i>
<i>Coprosma hirtella</i>
<i>Coprosma nitida</i>
<i>Coprosma quadrifida</i>
<i>Corybas aconitiflorus</i>
<i>Corybas pruinosis</i>
<i>Crassula sieberiana</i>
<i>Crepidomanes venosum</i>
<i>Croton verreauxii</i>
<i>Cryptocarya erythroxylon</i>
<i>Cryptocarya foveolata</i>
<i>Cryptocarya glaucescens</i>
<i>Cryptocarya microneura</i>
<i>Cryptocarya obovata</i>
<i>Cryptocarya rigida</i>
<i>Cyathea australis</i>
<i>Cyathea leichhardtiana</i>
<i>Cyclophyllum longipetalum</i>
<i>Cymbidium suave</i>
<i>Cymbopogon refractus</i>
<i>Cynanchum elegans</i>
<i>Cyperus lucidus</i>
<i>Cyperus spp.</i>
<i>Cyperus tetraphyllus</i>
<i>Daphnandra apatela</i>
<i>Daphnandra micrantha</i>
<i>Daucus glochidiatus</i>
<i>Davallia solida</i> var. <i>pyxidata</i>
<i>Daviesia genistifolia</i>
<i>Deeringia amaranthoides</i>
<i>Dendrobium falcorostrum</i>
<i>Dendrobium gracilicaule</i>
<i>Dendrobium mortii</i>
<i>Dendrobium pugioniforme</i>
<i>Dendrobium schoeninum</i>
<i>Dendrobium speciosum</i>
<i>Dendrobium speciosum</i> var. <i>hillii</i>

Scientific name
<i>Dendrobium teretifolium</i>
<i>Dendrocnide excelsa</i>
<i>Denhamia silvestris</i>
<i>Dennstaedtia davallioides</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>caerulea</i>
<i>Dianella longifolia</i>
<i>Dianella tasmanica</i>
<i>Dichondra repens</i>
<i>Dicksonia antarctica</i>
<i>Dicksonia spp.</i>
<i>Dictymia brownii</i>
<i>Digitaria parviflora</i>
<i>Dioscorea transversa</i>
<i>Diospyros australis</i>
<i>Diospyros pentamera</i>
<i>Diplazium australe</i>
<i>Diploglottis australis</i>
<i>Dipodium punctatum</i>
<i>Diuris spp.</i>
<i>Dodonaea megazyga</i>
<i>Doodia australis</i>
<i>Doryphora sassafras</i>
<i>Duboisia myoporoides</i>
<i>Dysoxylum fraserianum</i>
<i>Echinopogon ovatus</i>
<i>Ehretia acuminata</i> var. <i>acuminata</i>
<i>Elaeocarpus holopetalus</i>
<i>Elaeocarpus kirtonii</i>
<i>Elaeocarpus obovatus</i>
<i>Elaeocarpus reticulatus</i>
<i>Elaeodendron australe</i>
<i>Elaeodendron australe</i> var. <i>australe</i>
<i>Elatostema reticulatum</i>
<i>Elattostachys nervosa</i>
<i>Embelia australiana</i>
<i>Emmenosperma alphonitonioides</i>
<i>Endiandra discolor</i>

Scientific name
<i>Endiandra sieberi</i>
<i>Entolasia marginata</i>
<i>Entolasia stricta</i>
<i>Epilobium billardierianum</i> subsp. <i>cinereum</i>
<i>Eragrostis leptostachya</i>
<i>Eucalyptus acmenoides</i>
<i>Eucalyptus amplifolia</i> subsp. <i>amplifolia</i>
<i>Eucalyptus cameronii</i>
<i>Eucalyptus campanulata</i>
<i>Eucalyptus canaliculata</i>
<i>Eucalyptus crebra</i>
<i>Eucalyptus eugenioides</i>
<i>Eucalyptus laevopinea</i>
<i>Eucalyptus largeana</i>
<i>Eucalyptus nitens</i>
<i>Eucalyptus nobilis</i>
<i>Eucalyptus obliqua</i>
<i>Eucalyptus pauciflora</i>
<i>Eucalyptus punctata</i>
<i>Eucalyptus quadrangulata</i>
<i>Eucalyptus resinifera</i>
<i>Eucalyptus saligna</i>
<i>Eucalyptus siderophloia</i>
<i>Eucalyptus spp.</i>
<i>Eucalyptus tereticornis</i>
<i>Euchiton japonicus</i>
<i>Eupomatia laurina</i>
<i>Euroschinus falcatus</i> var. <i>falcatus</i>
<i>Eustrephus latifolius</i>
<i>Ficus coronata</i>
<i>Ficus obliqua</i>
<i>Gahnia aspera</i>
<i>Gahnia melanocarpa</i>
<i>Gahnia sieberiana</i>
<i>Gahnia spp.</i>
<i>Galium ciliare</i>
<i>Galium gaudichaudii</i>
<i>Galium propinquum</i>
<i>Gaultheria appressa</i>
<i>Geitonoplesium cymosum</i>
<i>Geranium neglectum</i>
<i>Geranium potentilloides</i>

Scientific name
<i>Geranium potentilloides</i> var. <i>abditum</i>
<i>Geranium potentilloides</i> var. <i>potentilloides</i>
<i>Geranium solanderi</i>
<i>Glochidion ferdinandi</i>
<i>Glycine clandestina</i>
<i>Gmelina leichhardtii</i>
<i>Gomphocarpus fruticosus</i>
<i>Gonocarpus tetragynus</i>
<i>Gonocarpus teucroides</i>
<i>Goodenia heterophylla</i>
<i>Gossia acmenoides</i>
<i>Gratiola peruviana</i>
<i>Grevillea granulifera</i>
<i>Guioa semiglauca</i>
<i>Gymnostachys anceps</i>
<i>Gynochthodes jasminoides</i>
<i>Hackelia latifolia</i>
<i>Hardenbergia violacea</i>
<i>Hedycarya angustifolia</i>
<i>Hibbertia dentata</i>
<i>Hibbertia scandens</i>
<i>Hibbertia</i> spp.
<i>Histiopteris incisa</i>
<i>Homalanthus populifolius</i>
<i>Hovea heterophylla</i>
<i>Howittia trilocularis</i>
<i>Hydrocotyle acutiloba</i>
<i>Hydrocotyle geraniifolia</i>
<i>Hydrocotyle laxiflora</i>
<i>Hydrocotyle sibthorpioides</i>
<i>Hymenophyllum cupressiforme</i>
<i>Hymenophyllum flabellatum</i>
<i>Hymenophyllum peltatum</i>
<i>Hymenosporum flavum</i>
<i>Hypericum gramineum</i>
<i>Hypericum japonicum</i>
<i>Hypochaeris radicata</i>
<i>Hypolepis glandulifera</i>
<i>Hypolepis rugosula</i>
<i>Imperata cylindrica</i>
<i>Indigofera australis</i>
<i>Isolepis subtilissima</i>

Scientific name
<i>Juncus alexandri</i> subsp. <i>melanobasis</i>
<i>Juncus sandwithii</i>
<i>Juncus</i> spp.
<i>Juncus usitatus</i>
<i>Kennedia rubicunda</i>
<i>Lagenifera stipitata</i>
<i>Lastreopsis acuminata</i>
<i>Lastreopsis decomposita</i>
<i>Lastreopsis microsora</i> subsp. <i>microsora</i>
<i>Legnephora moorei</i>
<i>Lepidosperma elatius</i>
<i>Lepidosperma laterale</i>
<i>Leptospermum polygalifolium</i> subsp. <i>montanum</i>
<i>Leucopogon lanceolatus</i>
<i>Leucopogon lanceolatus</i> var. <i>lanceolatus</i>
<i>Libertia pulchella</i>
<i>Litsea reticulata</i>
<i>Lobelia pedunculata</i>
<i>Lobelia purpurascens</i>
<i>Lomandra hystrix</i>
<i>Lomandra longifolia</i>
<i>Lomandra spicata</i>
<i>Lomatia arborescens</i>
<i>Lomatia fraseri</i>
<i>Lotus corniculatus</i>
<i>Maclura cochinchinensis</i>
<i>Macrozamia communis</i>
<i>Marsdenia flavescens</i>
<i>Marsdenia liisae</i>
<i>Marsdenia longiloba</i>
<i>Marsdenia rostrata</i>
<i>Marsilea mutica</i>
<i>Melicope micrococca</i>
<i>Melicytus dentatus</i>
<i>Melodinus australis</i>
<i>Mentha diemenica</i>
<i>Microlaena stipoides</i>
<i>Microlaena stipoides</i> var. <i>stipoides</i>
<i>Microsorium pustulatum</i>
<i>Microsorium pustulatum</i>

Scientific name
subsp. <i>pustulatum</i>
<i>Microsorium scandens</i>
<i>Microtis unifolia</i>
<i>Mischocarpus australis</i>
<i>Muellerina celastroides</i>
<i>Myoporum</i> spp.
<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</i> sp. A
<i>Notelaea venosa</i>
<i>Nothofagus moorei</i>
<i>Oenothera affinis</i>
<i>Olearia nernstii</i>
<i>Opercularia aspera</i>
<i>Oplismenus aemulus</i>
<i>Oplismenus imbecillis</i>
<i>Orites excelsus</i>
<i>Oxalis chnoodes</i>
<i>Ozothamnus argophyllus</i>
<i>Ozothamnus diosmifolius</i>
<i>Ozothamnus ferrugineus</i>
<i>Ozothamnus rufescens</i>
<i>Ozothamnus</i> spp.
<i>Palmeria scandens</i>
<i>Pandorea pandorana</i>
<i>Pandorea pandorana</i> subsp. <i>pandorana</i>
<i>Panicum simile</i>
<i>Panicum</i> spp.
<i>Papillilabium beckleri</i>
<i>Parsonsia brownii</i>
<i>Parsonsia purpurascens</i>
<i>Parsonsia straminea</i>
<i>Parsonsia velutina</i>
<i>Passiflora herbertiana</i>
<i>Passiflora subpeltata</i>
<i>Pellaea falcata</i>
<i>Pellaea nana</i>
<i>Pennantia cunninghamii</i>
<i>Peperomia tetraphylla</i>

Scientific name
<i>Persoonia linearis</i>
<i>Phalaris canariensis</i>
<i>Phyllanthus gunnii</i>
<i>Phyllanthus similis</i>
<i>Picris angustifolia</i>
<i>Pimelea ligustrina</i>
<i>Pimelea ligustrina</i> subsp. <i>ligustrina</i>
<i>Piper hederaceum</i> var. <i>hederaceum</i>
<i>Pittosporum multiflorum</i>
<i>Pittosporum revolutum</i>
<i>Pittosporum undulatum</i>
<i>Planchonella australis</i>
<i>Plantago debilis</i>
<i>Platyterium bifurcatum</i>
<i>Plectorrhiza tridentata</i>
<i>Plectranthus parviflorus</i>
<i>Poa labillardierei</i> var. <i>labillardierei</i>
<i>Poa queenslandica</i>
<i>Poa sieberiana</i>
<i>Podolobium ilicifolium</i>
<i>Pollia crispata</i>
<i>Polyosma cunninghamii</i>
<i>Polyscias elegans</i>
<i>Polyscias murrayi</i>
<i>Polyscias sambucifolia</i>
<i>Polystichum proliferum</i>
<i>Pomaderris aspera</i>
<i>Pomaderris ligustrina</i>
<i>Pomaderris ligustrina</i> subsp. <i>ligustrina</i>
<i>Poranthera microphylla</i>
<i>Prostanthera lasianthos</i>
<i>Prunella vulgaris</i>
<i>Pseuderanthemum variabile</i>
<i>Psychotria loniceroides</i>
<i>Pteridium esculentum</i>
<i>Pteris comans</i>
<i>Pteris tremula</i>
<i>Pteris umbrosa</i>
<i>Pterostylis coccinea</i>
<i>Pterostylis furcata</i>
<i>Pterostylis hildae</i>

Scientific name
<i>Pterostylis laxa</i>
<i>Pterostylis longifolia</i>
<i>Pterostylis nutans</i>
<i>Pultenaea retusa</i>
<i>Pyrrosia confluens</i> var. <i>confluens</i>
<i>Pyrrosia rupestris</i>
<i>Quintinia sieberi</i>
<i>Ranunculus inundatus</i>
<i>Ranunculus lappaceus</i>
<i>Ranunculus plebeius</i>
<i>Ranunculus</i> spp.
<i>Rhinerrhiza divitiflora</i>
<i>Rhodamnia rubescens</i>
<i>Rhodomyrtus psidioides</i>
<i>Ripogonum album</i>
<i>Rubus moluccanus</i> var. <i>moluccanus</i>
<i>Rubus moluccanus</i> var. <i>trilobus</i>
<i>Rubus nebulosus</i>
<i>Rubus parvifolius</i>
<i>Rubus rosifolius</i>
<i>Salix cinerea</i>
<i>Sambucus australasica</i>
<i>Sarcochilus falcatus</i>
<i>Sarcochilus hillii</i>
<i>Sarcochilus parviflorus</i>
<i>Sarcochilus spathulatus</i>
<i>Sarcochilus</i> spp.
<i>Sarcomelicope simplicifolia</i> subsp. <i>simplicifolia</i>
<i>Sarcopetalum harveyanum</i>
<i>Schizomeria ovata</i>
<i>Scleranthus biflorus</i>
<i>Scolopia braunii</i>
<i>Scutellaria mollis</i>
<i>Senecio amygdalifolius</i>
<i>Senecio bipinnatisectus</i>
<i>Senecio diaschides</i>
<i>Senecio lautus</i>
<i>Senecio linearifolius</i>
<i>Senecio linearifolius</i> var. <i>arachnoideus</i>
<i>Senecio pinnatifolius</i> var. <i>lanceolatus</i>

Scientific name
<i>Senna barronfieldii</i>
<i>Senna septemtrionalis</i>
<i>Sigesbeckia orientalis</i> subsp. <i>orientalis</i>
<i>Sloanea australis</i>
<i>Smilax australis</i>
<i>Solanum aviculare</i>
<i>Solanum brownii</i>
<i>Solanum nigrum</i>
<i>Solanum opacum</i>
<i>Solanum prinophyllum</i>
<i>Solanum pseudocapsicum</i>
<i>Solanum stelligerum</i>
<i>Solanum vicinum</i>
<i>Sorghum leiocladum</i>
<i>Spiranthes australis</i>
<i>Stellaria flaccida</i>
<i>Stenocarpus salignus</i>
<i>Stephania japonica</i> var. <i>discolor</i>
<i>Streblus brunonianus</i>
<i>Swainsona galegifolia</i>
<i>Symplocos thwaitesii</i>
<i>Syncarpia glomulifera</i>
<i>Synoum glandulosum</i> subsp. <i>glandulosum</i>
<i>Syzygium australe</i>
<i>Syzygium oleosum</i>
<i>Tasmannia glaucifolia</i>
<i>Tasmannia insipida</i>
<i>Tasmannia purpurascens</i>
<i>Tetrastigma nitens</i>
<i>Teucrium corymbosum</i>
<i>Thelymitra ixiioides</i> var. <i>ixiioides</i>
<i>Themeda triandra</i>
<i>Todea barbara</i>
<i>Toona ciliata</i>
<i>Trema tomentosa</i> var. <i>aspera</i>
<i>Tristaniopsis collina</i>
<i>Tristaniopsis laurina</i>
<i>Trochocarpa laurina</i>
<i>Trochocarpa montana</i>
<i>Trophis scandens</i>
<i>Tylophora barbata</i>

Scientific name
<i>Tylophora paniculata</i>
<i>Urtica incisa</i>
<i>Verbena bonariensis</i>
<i>Vernonia cinerea</i>
<i>Veronica grosseserrata</i>
<i>Veronica notabilis</i>
<i>Veronica plebeia</i>

Scientific name
<i>Veronica sobolifera</i>
<i>Vesselowskyia rubifolia</i>
<i>Vesselowskyia venusta</i>
<i>Viola betonicifolia</i>
<i>Viola hederacea</i>
<i>Wahlenbergia ceracea</i>
<i>Wahlenbergia littoricola</i>

Scientific name
<i>Wahlenbergia stricta</i>
<i>Wilkiea huegeliana</i>
<i>Xanthorrhoea glauca</i>
<i>Xanthorrhoea glauca</i> subsp. <i>glauca</i>
<i>Xerochrysum bracteatum</i>
<i>Xerochrysum bracteatum</i> subsp. <i>barringtonense</i>

APPENDIX 3 – FAUNA SPECIES LIST

Fauna found within 5000m of flora reserve – desktop search undertaken August 2021

Amphibians and reptiles	
Scientific name	Common name
<i>Litoria latopalmata</i>	Broad-palmed Frog
<i>Limnodynastes peronii</i>	Brown-striped Frog
<i>Crinia signifera</i>	Common Eastern Froglet
<i>Uperoleia fusca</i>	Dusky Toadlet
<i>Limnodynastes dumerilii</i>	Eastern Banjo Frog
<i>Litoria fallax</i>	Eastern Dwarf Tree Frog
<i>Lechriodus fletcheri</i>	Fletcher's Frog
<i>Litoria freycineti</i>	Freycinet's Frog
<i>Litoria pearsoniana/ phyllochroa</i>	Leaf Green Tree Frog species complex
<i>Litoria phyllochroa</i>	Leaf-green Tree Frog
<i>Litoria lesueuri</i>	Lesueur's Frog
<i>Litoria pearsoniana</i>	Pearson's Green Tree Frog
<i>Litoria peronii</i>	Peron's Tree Frog
<i>Pseudophryne coriacea</i>	Red-backed Toadlet

Amphibians and reptiles	
Scientific name	Common name
<i>Litoria chloris</i>	Red-eyed Tree Frog
<i>Uperoleia laevigata</i>	Smooth Toadlet
<i>Mixophyes balbus</i>	Stuttering Frog
<i>Adelotus brevis</i>	Tusked Frog
<i>Litoria barringtonensis</i>	
<i>Eulamprus kosciuskoi</i>	Alpine Water Skink
<i>Hemiaspis signata</i>	Black-bellied Swamp Snake
<i>Lampropholis delicata</i>	Dark-flecked Garden Sunskink
<i>Morelia spilota spilota</i>	Diamond Python
<i>Chelodina longicollis</i>	Eastern Snake-necked Turtle
<i>Intelligama lesueurii</i>	Eastern Water Dragon
<i>Eulamprus quoyii</i>	Eastern Water-skink
<i>Cacophis squamulosus</i>	Golden-crowned Snake
<i>Amphibolurus muricatus</i>	Jacky Lizard

Amphibians and reptiles	
Scientific name	Common name
<i>Varanus varius</i>	Lace Monitor
<i>Bellatorias major</i>	Land Mullet
<i>Cyclodomorphus michaeli</i>	Mainland She-oak Skink
<i>Silvascincus murrayi</i>	Murray's Skink
<i>Saproscincus rosei</i>	Orange-tailed Shadeskink
<i>Lampropholis guichenoti</i>	Pale-flecked Garden Sunskink
<i>Pseudechis porphyriacus</i>	Red-bellied Black Snake
<i>Calyptotis ruficauda</i>	Red-tailed Calyptotis
<i>Lophosaurus spinipes</i>	Southern Angle-headed Dragon
<i>Hoplocephalus stephensii</i>	Stephens' Banded Snake
<i>Saiphos equalis</i>	Three-toed Skink
<i>Notechis scutatus</i>	Tiger Snake
<i>Eulamprus heatwolei</i>	Yellow-bellied Water-skink

Birds	
Scientific name	Common name
<i>Alectura lathamii</i>	Australian Brush-turkey
<i>Alisterus scapularis</i>	Australian King-Parrot
<i>Gymnorhina tibicen</i>	Australian Magpie
<i>Aegotheles</i>	Australian

Birds	
Scientific name	Common name
<i>cristatus</i>	Owlet-nightjar
<i>Corvus coronoides</i>	Australian Raven
<i>Chenonetta jubata</i>	Australian Wood Duck
<i>Zoothera lunulata</i>	Bassian Thrush

Birds	
Scientific name	Common name
<i>Manorina melanophrys</i>	Bell Miner
<i>Coracina novaehollandiae</i>	Black-faced Cuckoo-shrike
<i>Monarcha melanopsis</i>	Black-faced Monarch
<i>Macropygia</i>	Brown

Birds	
Scientific name	Common name
<i>phasianella</i>	Cuckoo-Dove
<i>Gerygone mouki</i>	Brown Gerygone
<i>Accipiter fasciatus</i>	Brown Goshawk
<i>Acanthiza pusilla</i>	Brown Thornbill
<i>Platycercus elegans</i>	Crimson Rosella
<i>Eurystomus orientalis</i>	Dollarbird
<i>Acanthorhynchus tenuirostris</i>	Eastern Spinebill
<i>Psophodes olivaceus</i>	Eastern Whipbird
<i>Eopsaltria australis</i>	Eastern Yellow Robin
<i>Chalcophaps indica</i>	Emerald Dove
<i>Cacomantis flabelliformis</i>	Fan-tailed Cuckoo
<i>Petroica phoenicea</i>	Flame Robin
<i>Corvus tasmanicus</i>	Forest Raven
<i>Pachycephala pectoralis</i>	Golden Whistler
<i>Ailuroedus crassirostris</i>	Green Catbird
<i>Cracticus torquatus</i>	Grey Butcherbird
<i>Rhipidura albiscapa</i>	Grey Fantail
<i>Accipiter novaehollandiae</i>	Grey Goshawk
<i>Colluricincla harmonica</i>	Grey Shrike-thrush
<i>Sericornis magnirostra</i>	Large-billed Scrubwren
<i>Gallinago hardwickii</i>	Latham's Snipe
<i>Dacelo novaeguineae</i>	Laughing Kookaburra
<i>Meliphaga lewinii</i>	Lewin's Honeyeater
<i>Dicaeum hirundinaceum</i>	Mistletoebird

Birds	
Scientific name	Common name
<i>Nycticorax caledonicus</i>	Nankeen Night Heron
<i>Pitta versicolor</i>	Noisy Pitta
<i>Pachycephala olivacea</i>	Olive Whistler
<i>Oriolus sagittatus</i>	Olive-backed Oriole
<i>Aviceda subcristata</i>	Pacific Baza
<i>Ptiloris paradiseus</i>	Paradise Riflebird
<i>Falco peregrinus</i>	Peregrine Falcon
<i>Strepera graculina</i>	Pied Currawong
<i>Neochmia temporalis</i>	Red-browed Finch
<i>Sericulus chrysocephalus</i>	Regent Bowerbird
<i>Petroica rosea</i>	Rose Robin
<i>Rhipidura rufifrons</i>	Rufous Fantail
<i>Atrichornis rufescens</i>	Rufous Scrub-bird
<i>Pachycephala rufiventris</i>	Rufous Whistler
<i>Zosterops lateralis</i>	Russet-tailed Thrush
<i>Todiramphus sanctus</i>	Sacred Kingfisher
<i>Ptilonorhynchus violaceus</i>	Satin Bowerbird
<i>Myzomela sanguinolenta</i>	Scarlet Honeyeater
<i>Chalcites lucidus</i>	Shining Bronze-Cuckoo
<i>Zosterops lateralis</i>	Silvereye
<i>Tyto tenebricosa</i>	Sooty Owl
<i>Ninox novaeseelandiae</i>	Southern Boobook
<i>Symposiachrus trivirgatus</i>	Spectacled Monarch
<i>Pardalotus punctatus</i>	Spotted Pardalote

Birds	
Scientific name	Common name
<i>Pardalotus striatus</i>	Striated Pardalote
<i>Acanthiza lineata</i>	Striated Thornbill
<i>Malurus cyaneus</i>	Superb Fairy-wren
<i>Menura novaehollandiae</i>	Superb Lyrebird
<i>Podargus strigoides</i>	Tawny Frogmouth
<i>Lopholaimus antarcticus</i>	Topknot Pigeon
<i>Malurus lamberti</i>	Variiegated Fairy-wren
<i>Hirundo neoxena</i>	Welcome Swallow
<i>Sericornis frontalis</i>	White-browed Scrubwren
<i>Nesoptilotis leucotis</i>	White-eared Honeyeater
<i>Columba leucomela</i>	White-headed Pigeon
<i>Melithreptus lunatus</i>	White-naped Honeyeater
<i>Ardea pacifica</i>	White-necked Heron
<i>Cormobates leucophaea</i>	White-throated Treecreeper
<i>Ptilinopus magnificus</i>	Wompoo Fruit-Dove
<i>Leucosarcia melanoleuca</i>	Wonga Pigeon
<i>Caligavis chrysops</i>	Yellow-faced Honeyeater
<i>Zanda funereus</i>	Yellow-tailed Black-Cockatoo
<i>Neosericornis citreogularis</i>	Yellow-throated Scrubwren

Mammals

Scientific name	Common name
<i>Vombatus ursinus</i>	Bare-nosed Wombat
<i>Antechinus stuartii</i>	Brown Antechinus
<i>Trichosurus sp.</i>	brushtail possum
<i>Rattus fuscipes</i>	Bush Rat
<i>Chalinolobus morio</i>	Chocolate Wattled Bat
<i>Trichosurus vulpecula</i>	Common Brushtail Possum
<i>Sminthopsis murina</i>	Common Dunnart
<i>Pseudocheirus peregrinus</i>	Common Ringtail Possum
<i>Canis lupus</i>	Dingo, domestic dog
<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle
<i>Vespadelus pumilus</i>	Eastern Forest Bat
<i>Rhinolophus megaphyllus</i>	Eastern Horseshoe-bat
<i>Bos taurus</i>	European cattle
<i>Vulpes vulpes</i>	Fox
<i>Phoniscus papuensis</i>	Golden-tipped Bat
<i>Nyctophilus gouldi</i>	Gould's Long-eared Bat

Mammals	
Scientific name	Common name
<i>Chalinolobus gouldii</i>	Gould's Wattled Bat
<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat
<i>Petauroides volans</i>	Greater Glider
<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox
<i>Equus caballus</i>	Horse
<i>Mus musculus</i>	House Mouse
<i>Phascolarctos cinereus</i>	Koala
<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat
<i>Vespadelus darlingtoni</i>	Large Forest Bat
<i>Vespadelus vulturnus</i>	Little Forest Bat
<i>Perameles nasuta</i>	Long-nosed Bandicoot
<i>Isodon macrourus</i>	Northern Brown Bandicoot
<i>Macropus parma</i>	Parma Wallaby
<i>Sus scrofa</i>	Pig
<i>Ornithorhynchus anatinus</i>	Platypus
<i>Rattus sp.</i>	rat
<i>Thylogale stigmatica</i>	Red-legged Pademelon
<i>Thylogale thetis</i>	Red-necked

Mammals	
Scientific name	Common name
	Pademelon
<i>Notamacropus rufogriseus</i>	Red-necked Wallaby
<i>Aepyprymnus rufescens</i>	Rufous Bettong
<i>Tachyglossus aculeatus</i>	Short-beaked Echidna
<i>Trichosurus caninus</i>	Short-eared Possum
<i>Vespadelus regulus</i>	Southern Forest Bat
<i>Myotis macropus</i>	Southern Myotis
<i>Dasyurus maculatus</i>	Spotted-tailed Quoll
<i>Petaurus breviceps</i>	Sugar Glider
<i>Wallabia bicolor</i>	Swamp Wallaby
<i>Isodon/Perameles sp.</i>	unidentified Bandicoot
<i>Cervus sp.</i>	Unidentified Deer
<i>Mormopterus norfolkensis/sp 1</i>	Unidentified Mastiff-bat
<i>Hydromys chrysogaster</i>	Water-rat
<i>Austronomus australis</i>	White-striped Freetail-bat
<i>Petaurus australis</i>	Yellow-bellied Glider

APPENDIX 4 – 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