



PAPERBARK FLORA RESERVE

NO. 192

SITE SPECIFIC WORKING PLAN



Table of Contents

1. Details of the Reserve	3
1.1 Location	3
1.2 Key Attributes of the Reserve	3
1.3 General Description	3
1.4 History	4
1.5 Current Usage	5
2. System of Management	5
2.1 Objectives of Management	5
2.2 Management Strategies	5
2.3 Management Responsibility	7
2.4 Monitoring, Reporting and Review	7
3. List of Appendices	10
Appendix 1 – Locality Map	11
Appendix 2 – topographic and Forest Type Map	12
Appendix 3 – Flora Species List	13
Appendix 4 – Fauna Species List	24
Appendix 5 – Images	33
Appendix 6 – Biodiversity Offset Area Report Template	37
Appendix 7 – Approval and Amendments from previous version	38

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

Paperbark Flora Reserve is about 15 kilometres northwest of the town of Port Macquarie and is wholly contained in compartments 1, 2 and 3 of Cairncross State Forest. The reserve is the most easterly section of Cairncross State Forest and is the only section of this forest east of the Pacific Highway. Refer to Appendix 1 for a locality map.

1.2 KEY ATTRIBUTES OF THE RESERVE

Paperbark Flora Reserve has been set aside as a Biodiversity Offset Area (BOA) for the Pacific Highway upgrade. It contains Swamp Sclerophyll Forest on Coastal Floodplains of the NSW North Coast Bioregion and Subtropical Coastal Floodplain Forest of the NSW North Coast Bioregion Threatened Ecological Communities and also includes habitat for the Koala, Grey-headed Flying-fox, Spotted-tailed Quoll and Giant-Barred Frog.

1.3 GENERAL DESCRIPTION

Area

Paperbark Flora Reserve is a moderate sized reserve comprising 492.69 hectares, adjacent to and complementing the Rawdon Creek Nature Reserve. Surrounding land uses include a four-lane dual carriageway motorway, local council waste transfer station, Ti-tree plantation, commercial fruit growers, cattle grazing and rural residential housing.

The Hastings River is a major influence just to the south of the flora reserve, with semi regular minor to major flooding of the low-lying areas.

Topography

The reserve has gently undulating topography ranging from five to 20 metres above sea level. Refer to Appendix 2 for a topographic map.

Geology and soils

The northeastern section of the reserve is predominately quaternary sediments comprising outwash eluvium, stream alluvium and estuarine deposits. The remaining area is premium beechwood beds comprised of fissile blue-grey mudstone and quartz-mica sandstone.

Climate

Sub-tropical.

Flora Reserve Plan: Paperbark Site Specific Working Plan Document ID: D21/12094	Version No.: 1 Issue date: June 2022	Page 3 of 38 Review date: June 2031
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Vegetation/flora and fauna

Paperbark Flora Reserve is predominantly dry sclerophyll forest dominated by Blackbutt (*Eucalyptus pilularis*). The area is known to contain habitat and potential habitat for a range of threatened species with features such as large hollow bearing trees common throughout the forest. In addition, significant patches of swamp and heath exist offering habitat for amphibian species including the known occurrences of Swamp Sclerophyll and Subtropical Coastal Floodplain Endangered Ecological Communities. 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

As part of biodiversity offsetting requirements for the construction of the Pacific Motorway, which upgraded the existing two-lane, two-way, Pacific Highway, Paperbark Flora Reserve was set aside from harvesting in 2016 to offset the impact of the loss of forested habitat. An extension to the flora reserve was gazetted on 22/09/2021 to include two previously excluded parcels of land totalling an additional 37.98 hectares.

Aboriginal History and Cultural Values

Paperbark 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 reserve and surrounding area. The area is part of a cultural landscape, used for everyday and ceremonial activities including seasonal food and resource gathering along the Hastings River, 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

The flora reserve area has been harvested for timber and regrown multiple times over many years. There is evidence of more than 80 years of timber harvesting in this location. Formal records are held for more than 50 years of harvesting and regeneration, which are summarised below.

- » 1950-1957 - Timber Stand Improvement, which involved removal of poorer trees
- » 1965-1968 - Clear fall harvesting and burning of patches
- » 1974-1978 - A tea-tree oil operation occurred around Big Hill Road.
- » 1982-1984 - Mine timber operations occurred
- » 1985-1986 - Integrated harvesting operation for poles, quota logs and salvage logs
- » 1999 - Integrated harvesting operation
- » 2004 - Integrated harvesting operation.

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. Records of fires in this location are held dating back to the 1960s, as summarised below.

- » 1964-1965 - wildfire
- » 1965-1966 - post harvesting burns in patches
- » 1967-1968 - hazard reduction burn
- » 1972-1973 - hazard reduction burn

Flora Reserve Plan: Paperbark Site Specific Working Plan	Version No.: 1	Page 4 of 38
Document ID: D21/12094	Owner: FMS IC	Issue date: June 2022

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- » 1974-1975 - wildfire
- » 1977-1978 - wildfire
- » 1988 - wildfire.

Highway upgrades

- » 1964-1965 - Pacific Highway re-routed through the forest
- » 1991 - Single-lane highway upgrade
- » 2017- completion of Pacific Motorway, a four-lane dual carriageway, which dissects the reserve
- » Refer to Appendix 5 for photos.

1.5 CURRENT USAGE

Public usage of this area is moderate, with an established commercial paintball facility and roads being used to access neighbouring private property to the east of the reserve. A low level of unauthorised activity such as firewood collection, illegal-rubbish dumping, unauthorised paperbark collection and unauthorised hunting has also been observed.

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 Paperbark Flora Reserve are to:

- » enhance the ecological quality of the Swamp Sclerophyll Forest on Coastal Floodplains of the NSW North Coast Bioregion and Subtropical Coastal Floodplain Forest of the NSW North Coast Bioregion Threatened Ecological Communities found within the reserve
- » preserve native flora and fauna species, including habitat for the Koala, Grey-headed Flying-fox, Spotted-tailed Quoll and Giant-Barred Frog
- » protect Aboriginal cultural heritage sites and cultural values.
- » promote local communities' engagement in managing and protecting the flora reserve
- » 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 may include:

- » Property maintenance, through
 - establishment and maintenance of appropriate fences, gates and signs
 - removal of unnecessary fencing
 - removal of rubbish
 - 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

Flora Reserve Plan: Paperbark Site Specific Working Plan Document ID: D21/12094	Version No.: 1	Page 5 of 38
	Issue date: June 2022	Review date: June 2031

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- weed control
 - 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.

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

Cultural Values

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

Rubbish

Rubbish dumping is an issue for all public land managers. The proximity to the highway has led to a significant amount of rubbish being dumped in this forest at different periods.

Rubbish dumping will be managed as detailed in section 2.4.

Weeds

Lantana (*Lantana camara*) infestation to the north of the reserve is low to moderate.. Lantana growth can also inhibit native understorey species and out-compete native species..

Camphor laurel (*Cinnamomum camphora*) has been found in the reserve. Several young trees have been found associated with the recent highway upgrade. Left uncontrolled, camphor laurels grow to large trees and become a seed source for further infestation in the surrounding area. It is a highly invasive species that can form single species communities at the exclusion of other native plant species.

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, fire fighting, 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, Paperbark 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

Flora Reserve Plan: Paperbark Site Specific Working Plan Document ID: D21/12094	Version No.: 1 Issue date: June 2022	Page 6 of 38 Review date: June 2031
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- 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
 - » ongoing operation of the tourism establishment, within the established boundary, will be managed by Forestry Corporation of NSW under a permit.

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, 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

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 reported annually in the Paperbark Flora Reserve Report Template in Appendix 6.

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*.

Flora Reserve Plan: Paperbark Site Specific Working Plan Document ID: D21/12094	Version No.: 1 Issue date: June 2022	Page 7 of 38 Review date: June 2031
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Activity	Description	Performance Target	Timeframes for Targets	Responsible Parties
Fuel Management Plan	Identification of fuel management strategies including formal lodgement of Asset Protection Zones and Strategic Fire Advantage Zones (APZ/SFAZ) with Hastings Bush Fire Management Committee.	Formal lodgement of Forestry Corporation strategies into Hastings Bush Fire Risk Management Plan.	Completed 2019	Forestry Corporation
Vertebrate pest control	Dedicated monitoring of pest populations. Coordinated use of cameras to monitor wildlife, pests, and illegal activities. Coordinate with Local Land Services and neighbours.	Decrease fox and wild dog attacks on neighbouring properties. Monitor and control others feral animals e.g. cat, deer.	Annual pest monitoring and control program implemented (where required)	Forestry Corporation
Trail maintenance	Perimeter trails, major internal access and strategic trails	Maintain access for fire management. Apply Forest Practices Code and Environment Protection Licence (EPL) Schedule 5 conditions for roads and trail works.	Annual assessment and maintenance as required	Forestry Corporation
Weed control	Timing in conjunction with trail maintenance	Monitor weed populations. Apply appropriate control measures (mostly herbicide).	Annual assessment and maintenance as required in conjunction with trail maintenance program	Forestry Corporation
Illegal Rubbish dumping	Monitoring via remote cameras and inspections periodically	Monitor and ensure minimal rubbish is dumped in the flora reserve	Inspections identify need for additional monitoring and removal of material dumped	Forestry Corporation

Vegetation and habitat monitoring	Vegetation and habitat monitoring, comprising a monitoring program to be completed annually for a minimum of 20 years.	Monitor changes in vegetation and habitat.	3 x permanent vegetation / habitat feature plot in dominant forest type areas (Blackbutt / Grey Gum-Grey Ironbark / Scrub-Swamp)	Forestry Corporation
Threatened species survey	Targeted threatened species survey at year five to further confirm the presence and condition of occupied habitat.	Threatened species fauna survey.	1 x monitoring station (remote camera, song meter and ultrasonic bat detector) /forest type / year. At sites above.	Forestry Corporation

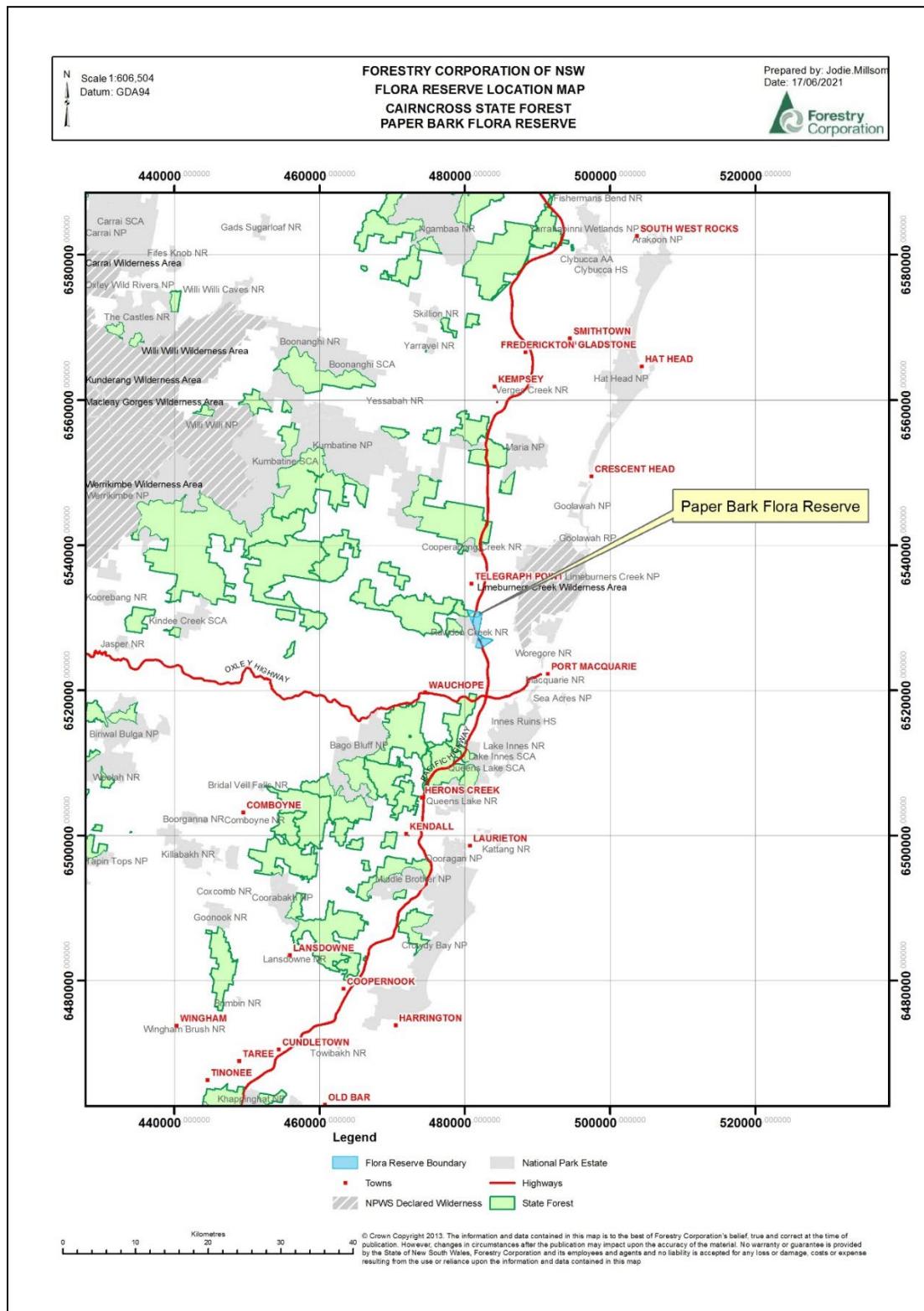
3. LIST OF APPENDICES

- » Appendix 1 – Locality Map
- » Appendix 2 – Topographic and Forest Type Map
- » Appendix 3 – Flora Species List
- » Appendix 4 – Fauna Species List
- » Appendix 5 – Images
- » Appendix 6 – Biodiversity Offset Area Report Template
- » Appendix 7 – Approval and amendments from previous version

Flora Reserve Plan: Paperbark Site Specific Working Plan	Version No.: 1	Page 10 of 38
Document ID: D21/12094	Owner: FMS IC	Issue date: June 2022

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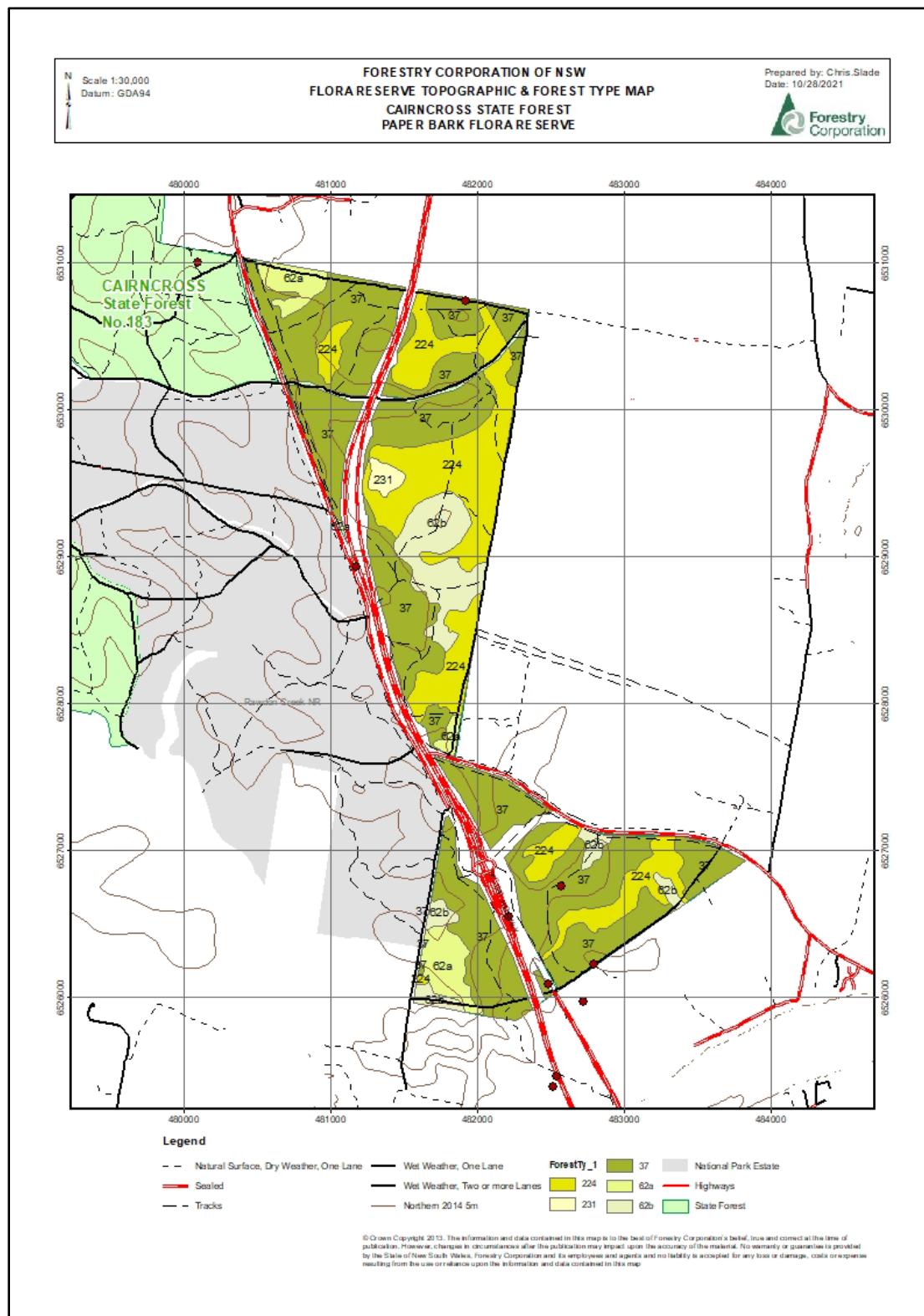
APPENDIX 1 – LOCALITY MAP



Flora Reserve Plan: Paperbark Site Specific Working Plan	Version No.: 1	Page 11 of 38
Document ID: D21/12094	Owner: FMS IC	Issue date: June 2022

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APPENDIX 2 – TOPOGRAPHIC AND 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>Andropogon virginicus</i>	<i>Gahnia sieberiana</i>	<i>Glochidion ferdinandi</i> var. <i>ferdinandi</i>
<i>Lepironia articulata</i>	<i>Acacia melanoxylon</i>	<i>Desmodium rhytidophyllum</i>
<i>Telmatoblechnum indicum</i>	<i>Cyperus polystachyos</i>	<i>Cissus hypoglauca</i>
<i>Juncus usitatus</i>	<i>Phlydrum lanuginosum</i>	<i>Melaleuca sieberi</i>
<i>Callistemon pachyphyllus</i>	<i>Persicaria strigosa</i>	<i>Eucalyptus robusta</i>
<i>Axonopus fissifolius</i>	<i>Setaria sphacelata</i>	<i>Syncarpia glomulifera</i> subsp. <i>glomulifera</i>
<i>Persicaria dichotoma</i>	<i>Isolepis inundata</i>	<i>Xanthorrhoea johnsonii</i>
<i>Melaleuca linariifolia</i>	<i>Allocasuarina torulosa</i>	<i>Eucalyptus carnea</i>
<i>Casuarina glauca</i>	<i>Lantana camara</i>	<i>Cyperus spp.</i>
<i>Parsonsia straminea</i>	<i>Eucalyptus siderophloia</i>	<i>Eucalyptus seeana</i>
<i>Viola hederacea</i>	<i>Eucalyptus resinifera</i> subsp. <i>resinifera</i>	<i>Gahnia clarkei</i>
<i>Baumea rubiginosa</i>	<i>Aphanopetalum resinosum</i>	<i>Eucalyptus pilularis</i>
<i>Baumea articulata</i>	<i>Corymbia maculata</i>	<i>Solanum stelligerum</i>
<i>Senecio madagascariensis</i>	<i>Imperata cylindrica</i>	<i>Eucalyptus propinqua</i>
<i>Juncus prismatocarpus</i>	<i>Themeda triandra</i>	<i>Daviesia ulicifolia</i> subsp. <i>ulicifolia</i>
<i>Melaleuca quinquenervia</i>	<i>Callistemon salignus</i>	<i>Blechnum neohollandicum</i>
<i>Liparophyllum exaltatum</i>	<i>Entolasia stricta</i>	<i>Cymbopogon refractus</i>
<i>Eleocharis acuta</i>	<i>Oplismenus imbecillis</i>	<i>Carex longebrachiata</i>
<i>Phragmites australis</i>	<i>Melaleuca styphelioides</i>	<i>Eucalyptus acmenoides</i>
<i>Cynodon dactylon</i>	<i>Ottochloa gracillima</i>	<i>Leucopogon juniperinus</i>
<i>Leptospermum juniperinum</i>	<i>Entolasia marginata</i>	<i>Eucalyptus microcorys</i>
<i>Paspalum orbiculare</i>		

Scientific name	Scientific name	Scientific name
<i>Lepidosperma laterale</i>	<i>Xanthorrhoea fulva</i>	<i>Scolopia braunii</i>
<i>Lophostemon confertus</i>	<i>Goodenia lancifolia</i>	<i>Elaeocarpus reticulatus</i>
<i>Eucalyptus globoidea</i>	<i>Eucalyptus bancroftii</i>	<i>Ripogonum discolor</i>
<i>Potamogeton tricarinatus</i>	<i>Chorizema parviflorum</i>	<i>Solanum hapalum</i>
<i>Cryptocarya meissneriana</i>	<i>Lepidosperma quadrangulatum</i>	<i>Zieria smithii</i>
<i>Celastrus subspicata</i>	<i>Ochrosperma citriodorum</i>	<i>Gahnia melanocarpa</i>
<i>Lotus corniculatus</i>	<i>Verbena bonariensis</i>	<i>Euroschinus falcatus var. falcatus</i>
<i>Potamophila parviflora</i>	<i>Euphorbia tannensis</i>	<i>Nymphaea caerulea subsp. zanzibarensis</i>
<i>Mischocarpus pyriformis</i>	<i>Boronia falcifolia</i>	<i>Polystichum australiense</i>
<i>Pimelea linifolia</i> subsp. <i>linifolia</i>	<i>Ranunculus inundatus</i>	<i>Quintinia verdonii</i>
<i>Gompholobium pinnatum</i>	<i>Cyathea australis</i>	<i>Megathyrsus maximus</i> var. <i>maximus</i>
<i>Rostellularia adscendens</i> var. <i>latifolia</i>	<i>Leucopogon rodwayi</i>	<i>Tabernaemontana pandacaqui</i>
<i>Dichanthium tenue</i>	<i>Swainsona fraseri</i>	<i>Ipomoea cairica</i>
<i>Banksia oblongifolia</i>	<i>Eragrostis benthamii</i>	<i>Acacia irrorata</i> subsp. <i>irrorata</i>
<i>Archidendron grandiflorum</i>	<i>Acacia concurrens</i>	<i>Pittosporum multiflorum</i>
<i>Tylophora paniculata</i>	<i>Leptospermum liversidgei</i>	<i>Persicaria hydropiper</i>
<i>Leptospermum brevipes</i>	<i>Acacia maidenii</i>	<i>Solanum pseudocapsicum</i>
<i>Leptocarpus tenax</i>	<i>Guioa semiglaucha</i>	<i>Hydrilla verticillata</i>
<i>Acacia floribunda</i>	<i>Eragrostis elongata</i>	<i>Eleocharis equisetina</i>
<i>Ozothamnus obovatus</i>	<i>Lespedeza striata</i>	<i>Oplismenus aemulus</i>
<i>Prostanthera ovalifolia</i>	<i>Jagera pseudorhus</i> var. <i>pseudorhus</i>	<i>Bentamina alyxifolia</i>
<i>Najas marina</i> subsp. <i>armata</i>	<i>Dianella crinoides</i>	<i>Cyperus haspan</i> subsp. <i>haspan</i>
<i>Xanthorrhoea glauca</i> subsp. <i>glauca</i>	<i>Dysoxylum fraserianum</i>	<i>Flindersia schottiana</i>
<i>Centratherum riparium</i>	<i>Pomaderris ligustrina</i> subsp. <i>ligustrina</i>	<i>Triglochin multiflucta</i>
<i>Elaeocarpus obovatus</i>	<i>Centella asiatica</i>	<i>Persoonia levis</i>
<i>Cleistanthus cunninghamii</i>	<i>Ripogonum fawcettianum</i>	<i>Glycine microphylla</i>

Scientific name	Scientific name	Scientific name
<i>Cymbidium suave</i>	<i>Daviesia genistifolia</i>	<i>Solanum mauritianum</i>
<i>Baumea juncea</i>	<i>Hybanthus stellaroides</i>	<i>Tricoryne elatior</i>
<i>Taraxacum officinale</i>	<i>Dendrobium linguiforme</i>	<i>Eleocharis sphacelata</i>
<i>Jacksonia scoparia</i>	<i>Flagellaria indica</i>	<i>Commersonia bartramia</i>
<i>Hypochaeris radicata</i>	<i>Schoenoplectus mucronatus</i>	<i>Xanthium occidentale</i>
<i>Marsdenia rostrata</i>	<i>Paspalum distichum</i>	<i>Juncus planifolius</i>
<i>Rubus parvifolius</i>	<i>Acmena smithii</i>	<i>Platycerium superbum</i>
<i>Panicum pygmaeum</i>	<i>Acronychia oblongifolia</i>	<i>Eustrephus latifolius</i>
<i>Adiantum aethiopicum</i>	<i>Amyema congener subsp. congener</i>	<i>Solanum nigrum</i>
<i>Lomandra longifolia</i>	<i>Acacia longissima</i>	<i>Sonchus oleraceus</i>
<i>Hibbertia scandens</i>	<i>Leptospermum polygalifolium</i>	<i>Calochlaena dubia</i>
<i>Alphitonia excelsa</i>	<i>Allocasuarina littoralis</i>	<i>Digitaria parviflora</i>
<i>Kennedia rubicunda</i>	<i>Gahnia aspera</i>	<i>Ottelia ovalifolia subsp. ovalifolia</i>
<i>Microlaena stipoides</i>	<i>Syncarpia glomulifera</i>	<i>Glochidion ferdinandi</i>
<i>Notelaea longifolia</i>	<i>Polyscias sambucifolia</i>	<i>Sarcopteryx stipata</i>
<i>Lobelia spp.</i>	<i>Aristida vagans</i>	<i>Eucalyptus resinifera</i>
<i>Glycine clandestina</i>	<i>Gamochaeta purpurea</i>	<i>Bidens pilosa</i>
<i>Sannantha pluriflora</i>	<i>Sida rhombifolia</i>	<i>Pseuderanthemum variable</i>
<i>Notelaea ovata</i>	<i>Gynochthodes jasminoides</i>	<i>Breynia oblongifolia</i>
<i>Trifolium repens</i>	<i>Phytolacca octandra</i>	<i>Lobelia purpurascens</i>
<i>Geitonoplesium cymosum</i>	<i>Tradescantia fluminensis</i>	<i>Dianella caerulea</i>
<i>Senna septemtrionalis</i>	<i>Hovea linearis</i>	<i>Hibiscus heterophyllus subsp. heterophyllus</i>
<i>Acacia falcata</i>	<i>Oxalis spp.</i>	<i>Hibbertia spp.</i>
<i>Platycerium bifurcatum</i>	<i>Conyza spp.</i>	<i>Commelina cyanea</i>
<i>Ozothamnus diosmifolius</i>	<i>Bromus catharticus</i>	<i>Paspalum dilatatum</i>
<i>Myrsine variabilis</i>	<i>Eucalyptus tereticornis</i>	<i>Hardenbergia violacea</i>
<i>Polymeria calycina</i>		

Scientific name	Scientific name	Scientific name
<i>Pittosporum undulatum</i>	<i>Gonocarpus micranthus</i> subsp. <i>ramosissimus</i>	<i>Poa sieberiana</i>
<i>Synoum glandulosum</i> subsp. <i>glandulosum</i>	<i>Passiflora edulis</i>	<i>Stephania japonica</i>
<i>Persoonia linearis</i>	<i>Paspalum urvillei</i>	<i>Mitrasacme alsinoides</i>
<i>Echinopogon ovatus</i>	<i>Eucalyptus saligna</i>	<i>Schenkia spicata</i>
<i>Solanum</i> spp.	<i>Ficus coronata</i>	<i>Euchiton japonicus</i>
<i>Asplenium australasicum</i>	<i>Corymbia gummifera</i>	<i>Goodenia hederacea</i>
<i>Carex appressa</i>	<i>Daviesia ulicifolia</i>	<i>Cyperus eragrostis</i>
<i>Pteridium esculentum</i>	<i>Smilax glyciphylla</i>	<i>Drosera peltata</i>
<i>Pandorea pandorana</i>	<i>Persoonia conjuncta</i>	<i>Lycopodium</i> spp.
<i>Carex inversa</i>	<i>Nymphaea gigantea</i>	<i>Desmodium varians</i>
<i>Eragrostis brownii</i>	<i>Cyperus tetraphyllum</i>	<i>Carex fascicularis</i>
<i>Cissus antarctica</i>	<i>Hibbertia riparia</i>	<i>Ranunculus</i> spp.
<i>Plectorrhiza tridentata</i>	<i>Passiflora subpeltata</i>	<i>Nymphaea</i> spp.
<i>Goodenia ovata</i>	<i>Cyperus laevigatus</i>	<i>Apium prostratum</i>
<i>Amyema pendula</i>	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	<i>Tagetes minuta</i>
<i>Cyperus congestus</i>	<i>Gomphocarpus physocarpus</i>	<i>Acacia elongata</i>
<i>Sporobolus fertilis</i>	<i>Billardiera scandens</i>	<i>Cassytha glabella</i>
<i>Acacia implexa</i>	<i>Cordyline stricta</i>	<i>Rubus ulmifolius</i>
<i>Smilax australis</i>	<i>Thelionema caespitosum</i>	<i>Ludwigia peploides</i> subsp. <i>montevidensis</i>
<i>Corymbia intermedia</i>	<i>Pimelea ligustrina</i>	<i>Maclura cochinchinensis</i>
<i>Amyema</i> spp.	<i>Ripogonum album</i>	<i>Thysanotus tuberosus</i>
<i>Goodenia paniculata</i>	<i>Cinnamomum camphora</i>	<i>Alternanthera denticulata</i>
<i>Bolboschoenus caldwellii</i>	<i>Senecio amygdalifolius</i>	<i>Populus alba</i>
<i>Lomandra hystrix</i>	<i>Fallopia convolvulus</i>	<i>Laxmannia gracilis</i>
<i>Blechnum cartilagineum</i>	<i>Syzygium</i> spp.	<i>Livistona australis</i>
<i>Cirsium vulgare</i>	<i>Cyperus haspan</i>	<i>Asplenium flabellifolium</i>

Scientific name	Scientific name	Scientific name
<i>Dodonaea triquetra</i>	<i>Plantago lanceolata</i>	<i>Wahlenbergia gracilis</i>
<i>Alchornea ilicifolia</i>	<i>Lepidosperma spp.</i>	<i>Passiflora spp.</i>
<i>Rubus fruticosus</i> sp. agg.	<i>Araujia sericifera</i>	<i>Toona ciliata</i>
<i>Eucalyptus signata</i>	<i>Paspalum mandiocanum</i>	<i>Sporobolus virginicus</i>
<i>Echinopogon caespitosus</i>	<i>Banksia ericifolia</i>	<i>Ptilothrix deusta</i>
<i>Goodenia bellidifolia</i> subsp. <i>bellidifolia</i>	<i>Duboisia myoporoides</i>	<i>Onopordum acanthium</i> subsp. <i>acanthium</i>
<i>Pultenaea retusa</i>	<i>Solanum prinophyllum</i>	<i>Verbena rigida</i> var. <i>rigida</i>
<i>Austrostipa pubescens</i>	<i>Prunella vulgaris</i>	<i>Cassytha pubescens</i>
<i>Cyclosorus dentatus</i>	<i>Acacia fimbriata</i>	<i>Hibbertia aspera</i> subsp. <i>aspera</i>
<i>Brunoniella australis</i>	<i>Pittosporum revolutum</i>	<i>Ipomoea indica</i>
<i>Myriophyllum aquaticum</i>	<i>Cotula australis</i>	<i>Sporobolus africanus</i>
<i>Hydrocotyle bonariensis</i>	<i>Geranium solanderi</i> var. <i>solanderi</i>	<i>Calochilus campestris</i>
<i>Rubus moluccanus</i>	<i>Passiflora herbertiana</i>	<i>Ranunculus plebeius</i>
<i>Hydrocotyle sibthorpioides</i>	<i>Lomatia silaifolia</i>	<i>Vittadinia</i> spp.
<i>Ligustrum sinense</i>	<i>Plectranthus parviflorus</i>	<i>Vicia sativa</i> subsp. <i>nigra</i>
<i>Jasminum volubile</i>	<i>Crinum pedunculatum</i>	<i>Acetosella vulgaris</i>
<i>Aegiceras corniculatum</i>	<i>Dichondra repens</i>	<i>Typha orientalis</i>
<i>Briza maxima</i>	<i>Lachnagrostis</i> spp.	<i>Dampiera stricta</i>
<i>Schizomeria ovata</i>	<i>Triglochin procera</i>	<i>Rubus moluccanus</i> var. <i>trilobus</i>
<i>Vernonia cinerea</i>	<i>Xanthorrhoea latifolia</i> subsp. <i>latifolia</i>	<i>Acacia myrtifolia</i>
<i>Glycine</i> spp.	<i>Melia azedarach</i>	<i>Cheilanthes sieberi</i>
<i>Juncus kraussii</i> subsp. <i>australiensis</i>	<i>Pultenaea villosa</i>	<i>Thelymitra pauciflora</i>
<i>Setaria parviflora</i>	<i>Panicum simile</i>	<i>Cyperus rotundus</i>
<i>Schoenus melanostachys</i>	<i>Hypolepis glandulifera</i>	<i>Tylophora barbata</i>
<i>Rytidosperma</i> spp.	<i>Mirbelia rubiifolia</i>	<i>Gymnoschoenus</i> <i>sphaerocephalus</i>
<i>Chloris gayana</i>	<i>Angophora floribunda</i>	<i>Eriochloa pseudoacrotricha</i>

Scientific name	Scientific name	Scientific name
<i>Cassinia</i> spp.	<i>Goodenia bellidifolia</i> subsp. <i>argentea</i>	<i>Persicaria decipiens</i>
<i>Dipodium punctatum</i>	<i>Cayratia clematidea</i>	<i>Cryptostylis erecta</i>
<i>Dichelachne micrantha</i>	<i>Lindsaea linearis</i>	<i>Opercularia diphylla</i>
<i>Arthropodium minus</i>	<i>Corybas aconitiflorus</i>	<i>Carex breviculmis</i>
<i>Hibbertia empetrifolia</i> subsp. <i>empetrifolia</i>	<i>Persoonia stradbrokeensis</i>	<i>Galinsoga parviflora</i>
<i>Hydrocotyle laxiflora</i>	<i>Syagrus romanzoffiana</i>	<i>Pellaea falcata</i>
<i>Lomandra filiformis</i> subsp. <i>filiformis</i>	<i>Isachne globosa</i>	<i>Senna pendula</i> var. <i>glabrata</i>
<i>Leptinella longipes</i>	<i>Atriplex prostrata</i>	<i>Hypolepis muelleri</i>
<i>Leptospermum</i> spp.	<i>Eucalyptus grandis</i>	<i>Hakea teretifolia</i>
<i>Paspalidium distans</i>	<i>Foeniculum vulgare</i>	<i>Mentha</i> spp.
<i>Poa labillardierei</i> var. <i>labillardierei</i>	<i>Melinis repens</i>	<i>Melaleuca nodosa</i>
<i>Geranium homeanum</i>	<i>Goodenia hederacea</i> subsp. <i>hederacea</i>	<i>Polypogon monspeliensis</i>
<i>Eucalyptus amplifolia</i>	<i>Hymenosporum flavum</i>	<i>Avena fatua</i>
<i>Wurmbea biglandulosa</i>	<i>Adiantum hispidulum</i>	<i>Cenchrus clandestinus</i>
<i>Ajuga australis</i>	<i>Lilium formosanum</i>	<i>Ambrosia artemisiifolia</i>
<i>Acacia longifolia</i>	<i>Comesperma ericinum</i>	<i>Syzygium oleosum</i>
<i>Dianella revoluta</i>	<i>Acacia terminalis</i> subsp. <i>longiaxialis</i>	<i>Banksia marginata</i>
<i>Xanthorrhoea macronema</i>	<i>Myoporum acuminatum</i>	<i>Cotula coronopifolia</i>
<i>Gonocarpus teucrioides</i>	<i>Hibbertia linearis</i>	<i>Hibiscus splendens</i>
<i>Eragrostis leptostachya</i>	<i>Bacopa monnieri</i>	<i>Ficus rubiginosa</i>
<i>Thelymitra ixioides</i> var. <i>ixioides</i>	<i>Dianella caerulea</i> var. <i>producta</i>	<i>Ageratina adenophora</i>
<i>Podolobium scandens</i>	<i>Stenotaphrum secundatum</i>	<i>Melaleuca alternifolia</i>
<i>Tristaniopsis laurina</i>	<i>Cassytha</i> spp.	<i>Briza minor</i>
<i>Viola betonicifolia</i>	<i>Persicaria praetermissa</i>	<i>Mangifera indica</i>
<i>Histiopteris incisa</i>	<i>Dianella revoluta</i> var. <i>revoluta</i>	<i>Lagenophora gracilis</i>
<i>Hibbertia serpyllifolia</i>		<i>Melaleuca decora</i>
		<i>Typha</i> spp.

Scientific name	Scientific name	Scientific name
<i>Paspalum quadrifarium</i>	<i>Daviesia ulicifolia</i> subsp. <i>stenophylla</i>	<i>Ochna serrulata</i>
<i>Salix babylonica</i>	<i>Sarcopetalum harveyanum</i>	<i>Aphananthe philippinensis</i>
<i>Trema tomentosa</i> var. <i>aspera</i>	<i>Daviesia umbellulata</i>	<i>Sporobolus virginicus</i> var. <i>minor</i>
<i>Lomandra multiflora</i> subsp. <i>multiflora</i>	<i>Ranunculus repens</i>	<i>Phoenix canariensis</i>
<i>Fimbristylis dichotoma</i>	<i>Triglochin striata</i>	<i>Hibbertia obtusifolia</i>
<i>Grevillea robusta</i>	<i>Euphorbia peplus</i>	<i>Peperomia tetraphylla</i>
<i>Acacia longifolia</i> subsp. <i>longifolia</i>	<i>Crotalaria lanceolata</i> subsp. <i>lanceolata</i>	<i>Amyema gaudichaudii</i>
<i>Pultenaea myrtoides</i>	<i>Erythrina x sykesii</i>	<i>Opercularia aspera</i>
<i>Hovea</i> spp.	<i>Azolla filiculoides</i>	<i>Ageratum houstonianum</i>
<i>Patersonia glabrata</i>	<i>Dioscorea transversa</i>	<i>Ozothamnus argophyllus</i>
<i>Stylium graminifolium</i>	<i>Verbena quadrangularis</i>	<i>Myrsine howittiana</i>
<i>Ranunculus sceleratus</i>	<i>Ripogonum brevifolium</i>	<i>Eragrostis curvula</i>
<i>Oxalis perennans</i>	<i>Gomphocarpus fruticosus</i>	<i>Ligustrum lucidum</i>
<i>Homalanthus populifolius</i>	<i>Sarcomelicope simplicifolia</i> subsp. <i>simplicifolia</i>	<i>Myriophyllum</i> spp.
<i>Melaleuca thymifolia</i>	<i>Einadia hastata</i>	<i>Philodendron bipinnatifidum</i>
<i>Verbena litoralis</i>	<i>Melicytus dentatus</i>	<i>Zoysia macrantha</i>
<i>Brachyscome microcarpa</i>	<i>Cupaniopsis parvifolia</i>	<i>Daucus carota</i>
<i>Pimelea</i> spp.	<i>Gymnostachys anceps</i>	<i>Capsella bursa-pastoris</i>
<i>Ricinus communis</i>	<i>Ehrharta erecta</i>	<i>Backhousia myrtifolia</i>
<i>Pomax umbellata</i>	<i>Lobelia anceps</i>	<i>Conyza sumatrensis</i>
<i>Banksia spinulosa</i> var. <i>collina</i>	<i>Echinopogon caespitosus</i> var. <i>caespitosus</i>	<i>Chloris virgata</i>
<i>Oxalis corniculata</i>	<i>Gonocarpus micranthus</i> subsp. <i>micranthus</i>	<i>Alocasia brisbanensis</i>
<i>Callitris rhomboidea</i>	<i>Isolepis cernua</i>	<i>Melaleuca ericifolia</i>
<i>Ageratina riparia</i>	<i>Echium plantagineum</i>	<i>Pomaderris aspera</i>
<i>Glycine tabacina</i>		<i>Erechtites valerianifolia</i>
<i>Hovea longifolia</i>		<i>Digitaria ciliaris</i>
		<i>Soliva sessilis</i>

Scientific name	Scientific name	Scientific name
<i>Commersonia fraseri</i>	<i>Eurychorda complanata</i>	<i>Cyperus lucidus</i>
<i>Cryptocarya glaucescens</i>	<i>Desmodium gunnii</i>	<i>Dampiera sylvestris</i>
<i>Wilkiea huegeliana</i>	<i>Lagenophora stipitata</i>	<i>Lepyrodia scariosa</i>
<i>Poa poiformis</i> var. <i>poiformis</i>	<i>Convolvulus erubescens</i>	<i>Hemarthria uncinata</i> var. <i>uncinata</i>
<i>Stellaria media</i>	<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	<i>Exocarpos cupressiformis</i>
<i>Juncus polyanthemus</i>	<i>Vernonia cinerea</i> var. <i>cinerea</i>	<i>Eleocharis</i> spp.
<i>Cyclosorus interruptus</i>	<i>Lomandra confertifolia</i> subsp. <i>pallida</i>	<i>Viola banksii</i>
<i>Litsea reticulata</i>	<i>Trochocarpa laurina</i>	<i>Schoenoplectus</i> spp.
<i>Microlaena stipoides</i> var. <i>stipoides</i>	<i>Oxytes brachypoda</i>	<i>Cyperus sesquiflorus</i>
<i>Syzygium francisii</i>	<i>Dianella caerulea</i> var. <i>assera</i>	<i>Acianthus</i> spp.
<i>Bursaria spinosa</i> subsp. <i>spinosa</i>	<i>Notelaea longifolia</i> f. <i>longifolia</i>	<i>Astroloma humifusum</i>
<i>Melinis minutiflora</i>	<i>Acacia linifolia</i>	<i>Opercularia hispida</i>
<i>Austrosteenisia blackii</i> var. <i>blackii</i>	<i>Hypoxis hygrometrica</i> var. <i>villosisepala</i>	<i>Leucopogon lanceolatus</i>
<i>Conyzza bonariensis</i>	<i>Pterostylis</i> spp.	<i>Drosera spatulata</i>
<i>Senna barronfieldii</i>	<i>Arthropodium</i> sp. B	<i>Eucalyptus piperita</i>
<i>Melicope micrococca</i>	<i>Logania pusilla</i>	<i>Marsdenia suaveolens</i>
<i>Zieria arborescens</i> subsp. <i>arborescens</i>	<i>Gonocarpus tetragynus</i>	<i>Eragrostis leptocarpa</i>
<i>Juncus continuus</i>	<i>Setaria</i> spp.	<i>Rubus rosifolius</i>
<i>Pomaderris elliptica</i> subsp. <i>elliptica</i>	<i>Baumea teretifolia</i>	<i>Chorizandra sphaerocephala</i>
<i>Marsdenia lloydii</i>	<i>Juncus</i> spp.	<i>Lomandra filiformis</i>
<i>Notothixos incanus</i>	<i>Utricularia gibba</i>	<i>Acacia</i> spp.
<i>Eleusine indica</i>	<i>Carex brownii</i>	<i>Carex</i> spp.
<i>Eucalyptus umbra</i>	<i>Juncus mollis</i>	<i>Brunoniella pumilio</i>
<i>Avicennia marina</i> subsp. <i>australasica</i>	<i>Lomandra confertifolia</i>	<i>Pultenaea</i> spp.
<i>Citrus x taitensis</i>	<i>Utricularia australis</i>	<i>Panicum effusum</i>
		<i>Aristida ramosa</i>
		<i>Eucalyptus eugenoides</i>

Scientific name	Scientific name	Scientific name
<i>Lissanthe strigosa</i>	<i>Desmodium nemorosum</i>	<i>Acacia suaveolens</i>
<i>Adiantum formosum</i>	<i>Indigofera australis</i>	<i>Panicum repens</i>
<i>Asperula conferta</i>	<i>Lepyrodia muelleri</i>	<i>Lindsaea microphylla</i>
<i>Hibbertia aspera</i>	<i>Acacia ulicifolia</i>	<i>Cassinia sifton</i>
<i>Empodium minus</i>	<i>Boronia pinnata</i>	<i>Eragrostis tenuifolia</i>
<i>Corymbia tessellaris</i>	<i>Murdannia graminea</i>	<i>Centaurium erythraea</i>
<i>Senecio linearifolius</i>	<i>Ambrosia tenuifolia</i>	<i>Daviesia corymbosa</i>
<i>Xanthorrhoea media</i>	<i>Dillwynia retorta</i>	<i>Schoenus apogon</i>
<i>Oxalis exilis</i>	<i>Lysimachia arvensis</i>	<i>Eucalyptus planchoniana</i>
<i>Carex maculata</i>	<i>Banksia aemula</i>	<i>Acianthus fornicatus</i>
<i>Eucalyptus resinifera</i> subsp. <i>hemilampra</i>	<i>Monotoca scoparia</i>	<i>Boronia polygalifolia</i>
<i>Hakea salicifolia</i> subsp. <i>salicifolia</i>	<i>Hypericum japonicum</i>	<i>Epacris pulchella</i>
<i>Eclipta platyglossa</i>	<i>Nematolepis squamea</i> subsp. <i>squamea</i>	<i>Chrysanthemoides monilifera</i> subsp. <i>monilifera</i>
<i>Pimelea linifolia</i>	<i>Acacia binervata</i>	<i>Cheilanthes austrotenuifolia</i>
<i>Pomaderris</i> spp.	<i>Baeckea imbricata</i>	<i>Erythrorchis cassythoides</i>
<i>Ischaemum australe</i>	<i>Paspalum notatum</i>	<i>Pinus radiata</i>
<i>Poa annua</i>	<i>Baloskion tetraphyllum</i>	<i>Caladenia catenata</i>
<i>Hydrocotyle acutiloba</i>	<i>Goodenia bellidifolia</i>	<i>Brachychiton populneus</i> subsp. <i>populneus</i>
<i>Schoenus brevifolius</i>	<i>Platylobium formosum</i>	<i>Pomaderris lanigera</i>
<i>Chorizandra cymbalaria</i>	<i>Caustis recurvata</i>	<i>Cayratia eurynema</i>
<i>Leptospermum polygalifolium</i> subsp. <i>cismontanum</i>	<i>Hybanthus monopetalus</i>	<i>Trachymene incisa</i>
<i>Cryptostylis</i> spp.	<i>Maundia triglochinoides</i>	<i>Pandorea pandorana</i> subsp. <i>pandorana</i>
<i>Banksia spinulosa</i>	<i>Pultenaea spinosa</i>	<i>Archontophoenix cunninghamiana</i>
<i>Hypoxis hygrometrica</i>	<i>Cupaniopsis anacardioides</i>	<i>Solanum densevestitum</i>
<i>Sporobolus laxus</i>	<i>Lachnagrostis filiformis</i>	<i>Sambucus australasica</i>
<i>Gonocarpus</i> spp.	<i>Daviesia squarrosa</i>	

Scientific name	Scientific name	Scientific name
<i>Gratiola pedunculata</i>	<i>Eragrostis spp.</i>	<i>Poranthera microphylla</i>
<i>Digitaria ramularis</i>	<i>Acacia irrorata</i>	<i>Clerodendrum tomentosum</i>
<i>Dianella caerulea var. caerulea</i>	<i>Medicago polymorpha</i>	<i>Hibbertia dentata</i>
<i>Pseudoraphis paradoxa</i>	<i>Nassella trichotoma</i>	<i>Lagenophora spp.</i>
<i>Botrychium austale</i>	<i>Medicago lupulina</i>	<i>Corymbia spp.</i>
<i>Sannantha collina</i>	<i>Baccharis halimifolia</i>	<i>Ochrosperma lineare</i>
<i>Veronica plebeia</i>	<i>Leucaena leucocephala</i>	<i>Ranunculus lappaceus</i>
<i>Hydrocotyle tripartita</i>	<i>Bromus molliformis</i>	<i>Pterostylis nutans</i>
<i>Dendrobium melaleucophilum</i>	<i>Acetosa sagittata</i>	<i>Spiranthes australis</i>
<i>Leucopogon lanceolatus var. gracilis</i>	<i>Thysanotus juncifolius</i>	<i>Ageratum conyzoides subsp. conyzoides</i>
<i>Carex gaudichaudiana</i>	<i>Psychotria loniceroidea</i>	<i>Juncus bufonius</i>
<i>Angophora spp.</i>	<i>Passiflora herbertiana subsp. herbertiana</i>	<i>Deparia petersenii subsp. congrua</i>
<i>Alisma plantago-aquatica</i>	<i>Cryptocarya rigida</i>	<i>Conium maculatum</i>
<i>Callistemon citrinus</i>	<i>Streblus brunonianus</i>	<i>Hibiscus spp.</i>
<i>Calystegia marginata</i>	<i>Oxalis chnoodes</i>	<i>Philodendron spp.</i>
<i>Uredo rangelii</i>	<i>Tripladenia cunninghamii</i>	<i>Cerastium glomeratum</i>
<i>Asclepias curassavica</i>	<i>Clematicissus opaca</i>	<i>Agapanthus praecox subsp. orientalis</i>
<i>Hibbertia pedunculata</i>	<i>Pyrrosia rupestris</i>	<i>Portulaca oleracea</i>
<i>Lolium spp.</i>	<i>Pellaea paradoxa</i>	<i>Alternanthera nana</i>
<i>Trifolium arvense</i>	<i>Cryptocarya microneura</i>	<i>Euryops chrysanthemoides</i>
<i>Leucopogon ericoides</i>	<i>Phyllanthus gunnii</i>	<i>Bryophyllum delagoense</i>
<i>Hordeum murinum</i>	<i>Adiantum atroviride</i>	<i>Macadamia integrifolia</i>
<i>Platylobium parviflorum</i>	<i>Senecio vagus</i>	<i>Rhodamnia rubescens</i>
<i>Sigesbeckia orientalis subsp. orientalis</i>	<i>Pterostylis curta</i>	<i>Arundo donax</i>
<i>Polypogon lutosus</i>	<i>Eupomatia laurina</i>	<i>Oplismenus spp.</i>
<i>Stylium spp.</i>	<i>Davallia solida var. pyxidata</i>	

Scientific name	Scientific name	Scientific name
<i>Caustis flexuosa</i>	<i>Monotoca elliptica</i>	<i>Hemarthria uncinata</i>
<i>Brachychiton acerifolius</i>	<i>Parsonsia velutina</i>	<i>Erythrina spp.</i>
<i>Strelitzia nicolai</i>	<i>Clematis aristata</i>	<i>Banksia integrifolia</i>
<i>Schefflera actinophylla</i>	<i>Oxalis radicosa</i>	<i>Suaeda australis</i>
<i>Chenopodium album</i>	<i>Cassytha filiformis</i>	<i>Geranium solanderi</i>
<i>Cyathea cooperi</i>	<i>Pterostylis grandiflora</i>	<i>Pyrrosia spp.</i>
<i>Jacaranda mimosifolia</i>	<i>Hybanthus vernonii subsp. scaber</i>	<i>Eucalyptus racemosa</i>
<i>Dianella spp.</i>	<i>Dianella longifolia</i>	<i>Baumea spp.</i>
<i>Asparagus plumosus</i>	<i>Patersonia sericea</i>	<i>Cordyline australis</i>
<i>Asparagus aethiopicus</i>	<i>Tetrastigma nitens</i>	<i>Glycine tomentella</i>
<i>Nephrolepis cordifolia</i>	<i>Imbristylis ferruginea</i>	<i>Wikstroemia indica</i>
<i>Cordyline spp.</i>	<i>Blandfordia grandiflora</i>	<i>Carex polyantha</i>
<i>Dipodium variegatum</i>	<i>Drosera auriculata</i>	<i>Mischocarpus spp.</i>
<i>Rosa spp.</i>	<i>Platysace lanceolata</i>	<i>Euchiton spp.</i>
<i>Cryptostylis subulata</i>	<i>Geranium spp.</i>	<i>Hibbertia villosa</i>
<i>Pterostylis baptistii</i>	<i>Cyperus difformis</i>	<i>Melaleuca groveana</i>
<i>Pterostylis longifolia</i>	<i>Sporadanthus interruptus</i>	<i>Aotus ericoides</i>
<i>Pomaderris ferruginea</i>	<i>Caustis blakei subsp. blakei</i>	<i>Cissus sterculiifolia</i>
<i>Lastreopsis decomposita</i>	<i>Poaceae indeterminate</i>	<i>Eucalyptus spp.</i>
<i>Arachniodes aristata</i>	<i>Tetragonia tetragonoides</i>	<i>Notothixos cornifolius</i>
<i>Lastreopsis acuminata</i>	<i>Polyscias sambucifolia subsp. sambucifolia</i>	<i>Sannantha similis</i>
<i>Haloragis heterophylla</i>	<i>Gonocarpus humilis</i>	<i>Dichondra spp.</i>
<i>Dendrobium spp.</i>	<i>Daviesia arborea</i>	<i>Lophostemon suaveolens</i>
<i>Denhamia silvestris</i>	<i>Isolepis spp.</i>	<i>Callistemon spp.</i>
<i>Lycopodiella lateralis</i>	<i>Bursaria spinosa</i>	<i>Acacia disparrima subsp. disparrima</i>
<i>Opuntia stricta</i>	<i>Corymbia citriodora</i>	<i>Acacia leiocalyx subsp. leiocalyx</i>
<i>Eucalyptus crebra</i>		

Scientific name	Scientific name	Scientific name
<i>Digitaria</i> spp.	<i>Leptospermum semibaccatum</i>	<i>Patersonia fragilis</i>
<i>Oxylobium arborescens</i>	<i>Hibbertia vestita</i>	<i>Selaginella uliginosa</i>
<i>Leptospermum laevigatum</i>	<i>Pultenaea dentata</i>	<i>Cassytha glabella f. glabella</i>
<i>Hypericum gramineum</i>	<i>Darwinia leptantha</i>	<i>Caustis recurvata var. recurvata</i>
<i>Clerodendrum floribundum</i> var. <i>floribundum</i>	<i>Schizaea bifida</i>	<i>Schoenus scabripes</i>
<i>Leucopogon</i> spp.	<i>Kunzea capitata</i>	<i>Persoonia virgata</i>
<i>Paspalum</i> spp.	<i>Gonocarpus micranthus</i>	<i>Hibbertia salicifolia</i>
<i>Rytidosperma caespitosum</i>	<i>Burchardia umbellata</i>	<i>Hypolaena fastigiata</i>
<i>Banksia serrata</i>	<i>Utricularia lateriflora</i>	<i>Pseudanthus orientalis</i>
<i>Passiflora caerulea</i>	<i>Persoonia lanceolata</i>	<i>Banksia ericifolia</i> subsp. <i>macrantha</i>
<i>Persoonia sericea</i>	<i>Sprengelia sprengelioides</i>	<i>Leucopogon leptospermoides</i>
<i>Dillwynia floribunda</i>	<i>Lepidosperma filiforme</i>	<i>Baumea muelleri</i>
<i>Boronia ledifolia</i>	<i>Schoenus lepidosperma</i> subsp. <i>pachylepis</i>	<i>Actus lanigera</i>
<i>Boronia safrolifera</i>	<i>Sowerbaea juncea</i>	<i>Carex loblepis</i>
<i>Kunzea</i> sp. 'Middle Brother Mtn'	<i>Epacris obtusifolia</i>	<i>Dampiera purpurea</i>
<i>Verbena</i> spp.	<i>Baloskion pallens</i>	<i>Lagenifera stipitata</i>
<i>Cheilanthes distans</i>	<i>Hibbertia fasciculata</i>	<i>Artanema fimbriatum</i>
<i>Epacris microphylla</i>	<i>Xyris juncea</i>	<i>Oxalis debilis</i> var. <i>corymbosa</i>
<i>Epacris longiflora</i>	<i>Styliodium paniculatum</i>	<i>Mentha x piperita</i>
<i>Caleana major</i>	<i>Baeckea frutescens</i>	<i>Pinus elliottii</i>
<i>Bauera capitata</i>	<i>Mitrasacme polymorpha</i>	<i>Samolus repens</i>

APPENDIX 4 – FAUNA SPECIES LIST

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

Frogs and Reptiles		Frogs and Reptiles		Frogs and Reptiles	
Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name	Common Name
<i>Pseudophryne bibronii</i>	Bibron's Toadlet	<i>Litoria peronii</i>	Peron's Tree Frog	<i>Dendrelaphis punctulatus</i>	Common Tree Snake
<i>Litoria dentata</i>	Bleating Tree Frog	<i>Pseudophryne coriacea</i>	Red-backed Toadlet	<i>Lampropholis delicata</i>	Dark-flecked Garden Sunskink
<i>Litoria latopalmata</i>	Broad-palmed Frog	<i>Litoria revelata</i>	Revealed Frog	<i>Tiliqua scincoides</i>	Eastern Blue-tongue
<i>Limnodynastes peronii</i>	Brown-striped Frog	<i>Litoria nasuta</i>	Rocket Frog	<i>Pseudonaja textilis</i>	Eastern Brown Snake
<i>Crinia signifera</i>	Common Eastern Froglet	<i>Uperoleia laevigata</i>	Smooth Toadlet	<i>Egernia mcpheeii</i>	Eastern Crevice Skink
<i>Litoria gracilenta</i>	Dainty Green Tree Frog	<i>Adelotus brevis</i>	Tusked Frog	<i>Chelodina longicollis</i>	Eastern Snake-necked Turtle
<i>Uperoleia fusca</i>	Dusky Toadlet	<i>Litoria tyleri</i>	Tyler's Tree Frog	<i>Intellagama lesueurii</i>	Eastern Water Dragon
<i>Limnodynastes dumerilii</i>	Eastern Banjo Frog	<i>Litoria verreauxii</i>	Verreaux's Frog	<i>Cacophis squamulosus</i>	Golden-crowned Snake
<i>Litoria fallax</i>	Eastern Dwarf Tree Frog	<i>Crinia tinnula</i>	Wallum Froglet	<i>Varanus gouldii</i>	Gould's Goanna
<i>Crinia parinsignifera</i>	Eastern Sign-bearing Froglet	<i>Crinia sp.</i>		<i>Amphibolurus muricatus</i>	Jacky Lizard
<i>Mixophyes iteratus</i>	Giant Barred Frog	<i>Concinnia tenuis</i>	Barred-sided Skink	<i>Varanus varius</i>	Lace Monitor
<i>Mixophyes fasciolatus</i>	Great Barred Frog	<i>Pogona barbata</i>	Bearded Dragon	<i>Emydura macquarii</i>	Macquarie Turtle
<i>Litoria aurea</i>	Green and Golden Bell Frog	<i>Hemiaspis signata</i>	Black-bellied Swamp Snake	<i>Diporiphora nobbi</i>	Nobbi Dragon
<i>Litoria caerulea</i>	Green Tree Frog	<i>Anilius nigrescens</i>	Blackish Blind Snake	<i>Lampropholis guichenoti</i>	Pale-flecked Garden Sunskink
<i>Litoria brevipalmata</i>	Green-thighed Frog	<i>Morelia spilota</i>	Carpet & Diamond Pythons		
		<i>Acanthophis antarcticus</i>	Common Death Adder		

Frogs and Reptiles		Frogs and Reptiles		Frogs and Reptiles	
Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name	Common Name
<i>Cyclodomorphus gerrardii</i>	Pink-tongued Lizard	<i>Tropidechis carinatus</i>	Rough-scaled Snake	<i>Demansia psammophis</i>	Yellow-faced Whip Snake
<i>Pseudechis porphyriacus</i>	Red-bellied Black Snake	<i>Saiphos equalis</i>	Three-toed Skink		
<i>Calyptotis ruficauda</i>	Red-tailed Calyptotis	<i>Lygisaurus foliorum</i>	Tree-base Litter-skink		

Mammals	
Scientific Name	Common Name
<i>Vombatus ursinus</i>	Bare-nosed Wombat
<i>Pteropus alecto</i>	Black Flying-fox
<i>Rattus rattus</i>	Black Rat
<i>Antechinus stuartii</i>	Brown Antechinus
<i>Rattus norvegicus</i>	Brown Rat
<i>Trichosurus</i> sp.	brushtail possum
<i>Phascogale tapoatafa</i>	Brush-tailed Phascogale
<i>Rattus fuscipes</i>	Bush Rat
<i>Felis catus</i>	Cat
<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

Mammals	
Scientific Name	Common Name
<i>Canis familiaris</i>	Dog
<i>Equus asinus</i>	Donkey
<i>Scotorepens orion</i>	Eastern Broad-nosed Bat
<i>Vespadelus troughtoni</i>	Eastern Cave Bat
<i>Pseudomys gracilicaudatus</i>	Eastern Chestnut Mouse
<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat
<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle
<i>Vespadelus pumilus</i>	Eastern Forest Bat
<i>Ozimops ridei</i>	Eastern Free-tailed Bat
<i>Macropus giganteus</i>	Eastern Grey Kangaroo
<i>Rhinolophus megaphyllus</i>	Eastern Horseshoe-bat
<i>Bos taurus</i>	European cattle
<i>Acrobates pygmaeus</i>	Feathertail Glider

Mammals	
Scientific Name	Common Name
<i>Pteropus</i> sp.	Flying-fox
<i>Vulpes vulpes</i>	Fox
<i>Capra hircus</i>	Goat
<i>Nyctophilus gouldi</i>	Gould's Long-eared Bat
<i>Chalinolobus gouldii</i>	Gould's Wattled Bat
<i>Melomys burtoni</i>	Grassland Melomys
<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat
<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox
<i>Equus caballus</i>	Horse
<i>Mus musculus</i>	House Mouse
<i>Macropus</i> sp.	kangaroo / wallaby
<i>Phascolarctos cinereus</i>	Koala
<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat
<i>Vespadelus darlingtoni</i>	Large Forest Bat
<i>Nyctophilus geoffroyi</i>	Lesser Long-eared Bat
<i>Miniopterus australis</i>	Little Bent-winged Bat
<i>Vespadelus vulturinus</i>	Little Forest Bat
<i>Pteropus scapulatus</i>	Little Red Flying-fox
<i>Nyctophilus</i> sp.	long-eared bat
<i>Perameles nasuta</i>	Long-nosed Bandicoot
<i>Antechinus mimetes</i>	Mainland Dusky Antechinus

Mammals	
Scientific Name	Common Name
<i>Isoodon macrourus</i>	Northern Brown Bandicoot
<i>Sus scrofa</i>	Pig
<i>Oryctolagus cuniculus</i>	Rabbit
<i>Rattus</i> sp.	rat
<i>Cervus elaphus</i>	Red Deer
<i>Notamacropus rufogriseus</i>	Red-necked Wallaby
<i>Cervus timorensis</i>	Rusa Deer
<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 norfolkensis</i>	Squirrel Glider
<i>Petaurus breviceps</i>	Sugar Glider
<i>Petaurus breviceps\norfolkensis</i>	Sugar\Squirrel Glider
<i>Rattus lutreolus</i>	Swamp Rat
<i>Wallabia bicolor</i>	Swamp Wallaby
<i>Antechinus</i> sp.	Unidentified Antechinus
<i>Isoodon/Perameles</i> sp.	unidentified Bandicoot
<i>Scotorepens</i> sp.	Unidentified broad-nosed bat
<i>Cervus</i> sp.	Unidentified Deer

Mammals	
Scientific Name	Common Name
<i>Vespadelus</i> sp.	Unidentified Eptesicus
<i>Austronomus australis</i>	White-striped Freetail-bat
<i>Petaurus australis</i>	Yellow-bellied Glider

Mammals	
Scientific Name	Common Name
<i>Saccoaimus flaviventris</i>	Yellow-bellied Sheathtail-bat
<i>Antechinus flavipes</i>	Yellow-footed Antechinus

Birds	
Scientific Name	Common Name
<i>Macropygia phasianella</i>	Brown Cuckoo-Dove
<i>Falco berigora</i>	Brown Falcon
<i>Gerygone mouki</i>	Brown Gerygone
<i>Lichmera indistincta</i>	Brown Honeyeater
<i>Synoicus ypsilophora</i>	Brown Quail
<i>Acanthiza pusilla</i>	Brown Thornbill
<i>Climacteris picumnus victoriae</i>	Brown Treecreeper (eastern subspecies)
<i>Cacomantis variolosus</i>	Brush Cuckoo
<i>Hypotaenidia philippensis</i>	Buff-banded Rail
<i>Acanthiza reguloides</i>	Buff-rumped Thornbill
<i>Bubulcus ibis</i>	Cattle Egret
<i>Scythrops novaehollandiae</i>	Channel-billed Cuckoo

Birds	
Scientific Name	Common Name
<i>Anas castanea</i>	Chestnut Teal
<i>Lonchura castaneothorax</i>	Chestnut-breasted Mannikin
<i>Hylacola pyrrhopygia</i>	Chestnut-rumped Heathwren
<i>Edolisoma tenuirostris</i>	Cicadabird
<i>Accipiter cirrocephalus</i>	Collared Sparrowhawk
<i>Irediparra gallinacea</i>	Comb-crested Jacana
<i>Tringa nebularia</i>	Common Greenshank
<i>Acridotheres tristis</i>	Common Myna
<i>Actitis hypoleucus</i>	Common Sandpiper
<i>Sturnus vulgaris</i>	Common Starling
<i>Sterna hirundo</i>	Common Tern

Birds	
Scientific Name	Common Name
<i>Ocyphaps lophotes</i>	Crested Pigeon
<i>Thalasseus bergii</i>	Crested Tern
<i>Platycercus elegans</i>	Crimson Rosella
<i>Eurystomus orientalis</i>	Dollarbird
<i>Gallinula tenebrosa</i>	Dusky Moorhen
<i>Tyto javanica</i>	Eastern Barn Owl
<i>Numenius madagascariensis</i>	Eastern Curlew
<i>Tyto longimembris</i>	Eastern Grass Owl
<i>Casmerodius modesta</i>	Eastern Great Egret
<i>Pezoporus wallicus wallicus</i>	Eastern Ground Parrot
<i>Eudynamys orientalis</i>	Eastern Koel
<i>Pandion cristatus</i>	Eastern Osprey

Birds		Birds		Birds	
Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name	Common Name
<i>Platycercus eximius</i>	Eastern Rosella	<i>Colluricinclla harmonica</i>	Grey Shrike-thrush	<i>Orthonyx temminckii</i>	Logrunner
<i>Acanthorhynchus tenuirostris</i>	Eastern Spinebill	<i>Chalcites basalis</i>	Horsfield's Bronze-Cuckoo	<i>Anseranas semipalmata</i>	Magpie Goose
<i>Psophodes olivaceus</i>	Eastern Whipbird	<i>Passer domesticus</i>	House Sparrow	<i>Grallina cyanoleuca</i>	Magpie-lark
<i>Eopsaltria australis</i>	Eastern Yellow Robin	<i>Ardea intermedia</i>	Intermediate Egret	<i>Gerygone levigaster</i>	Mangrove Gerygone
<i>Petrochelidon ariel</i>	Fairy Martin	<i>Microeca fascinans</i>	Jacky Winter	<i>Vanellus miles</i>	Masked Lapwing
<i>Cacomantis flabelliformis</i>	Fan-tailed Cuckoo	<i>Synoicus chinensis</i>	King Quail	<i>Tyto novaehollandiae</i>	Masked Owl
<i>Todiramphus macleayii</i>	Forest Kingfisher	<i>Gallinago hardwickii</i>	Latham's Snipe	<i>Artamus personatus</i>	Masked Woodswallow
<i>Corvus tasmanicus</i>	Forest Raven	<i>Dacelo novaeguineae</i>	Laughing Kookaburra	<i>Dicaeum hirundinaceum</i>	Mistletoebird
<i>Eolophus roseicapilla</i>	Galah	<i>Myiagra rubecula</i>	Leaden Flycatcher	<i>Glossopsitta concinna</i>	Musk Lorikeet
<i>Calyptorhynchus lathami</i>	Glossy Black-Cockatoo	<i>Meliphaga lewinii</i>	Lewin's Honeyeater	<i>Falco cenchroides cenchroides</i>	Nankeen Kestrel
<i>Plegadis falcinellus</i>	Glossy Ibis	<i>Lewinia pectoralis</i>	Lewin's Rail	<i>Nycticorax caledonicus</i>	Nankeen Night Heron
<i>Pachycephala pectoralis</i>	Golden Whistler	<i>Phalacrocorax sulcirostris</i>	Little Black Cormorant	<i>Phylidonyris novaehollandiae</i>	New Holland Honeyeater
<i>Cisticola exilis</i>	Golden-headed Cisticola	<i>Hieraetus morphnoides</i>	Little Eagle	<i>Philemon corniculatus</i>	Noisy Friarbird
<i>Phalacrocorax carbo</i>	Great Cormorant	<i>Glossopsitta pusilla</i>	Little Lorikeet	<i>Manorina melanocephala</i>	Noisy Miner
<i>Cracticus torquatus</i>	Grey Butcherbird	<i>Eudyptula minor</i>	Little Penguin	<i>Oriolus sagittatus</i>	Olive-backed Oriole
<i>Rhipidura albiscapa</i>	Grey Fantail	<i>Microcarbo melanoleucos</i>	Little Pied Cormorant	<i>Aviceda subcristata</i>	Pacific Baza
<i>Accipiter novaehollandiae</i>	Grey Goshawk	<i>Anthochaera chrysoptera</i>	Little Wattlebird	<i>Anas superciliosa</i>	Pacific Black Duck

Birds		Birds		Birds	
Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name	Common Name
<i>Turnix varius</i>	Painted Button-quail	<i>Ptilinopus regina</i>	Rose-crowned Fruit-Dove	<i>Dicrurus bracteatus</i>	Spangled Drongo
<i>Heteroscenes pallidus</i>	Pallid Cuckoo	<i>Platalea regia</i>	Royal Spoonbill	<i>Acanthagenys rufogularis</i>	Spiny-cheeked Honeyeater
<i>Geopelia striata</i>	Peaceful Dove	<i>Rhipidura rufifrons</i>	Rufous Fantail	<i>Circus assimilis</i>	Spotted Harrier
<i>Centropus phasianinus</i>	Pheasant Coucal	<i>Cincloramphus mathewsi</i>	Rufous Songlark	<i>Pardalotus punctatus</i>	Spotted Pardalote
<i>Cracticus nigrogularis</i>	Pied Butcherbird	<i>Pachycephala rufiventris</i>	Rufous Whistler	<i>Spilopelia chinensis</i>	Spotted Turtle-Dove
<i>Phalacrocorax varius</i>	Pied Cormorant	<i>Todiramphus sanctus</i>	Sacred Kingfisher	<i>Lophoictinia isura</i>	Square-tailed Kite
<i>Strepera graculina</i>	Pied Currawong	<i>Ptilonorhynchus violaceus</i>	Satin Bowerbird	<i>Threskiornis spinicollis</i>	Straw-necked Ibis
<i>Ninox strenua</i>	Powerful Owl	<i>Myiagra cyanoleuca</i>	Satin Flycatcher	<i>Butorides striata</i>	Striated Heron
<i>Porphyrio porphyrio</i>	Purple Swamphen	<i>Trichoglossus chlorolepidotus</i>	Scaly-breasted Lorikeet	<i>Acanthiza lineata</i>	Striated Thornbill
<i>Merops ornatus</i>	Rainbow Bee-eater	<i>Myzomela sanguinolenta</i>	Scarlet Honeyeater	<i>Plectrohyncha lanceolata</i>	Striped Honeyeater
<i>Trichoglossus haematodus</i>	Rainbow Lorikeet	<i>Chalcites lucidus</i>	Shining Bronze-Cuckoo	<i>Coturnix pectoralis</i>	Stubble Quail
<i>Anthochaera carunculata</i>	Red Wattlebird	<i>Chroicocephalus novaehollandiae</i>	Silver Gull	<i>Cacatua galerita</i>	Sulphur-crested Cockatoo
<i>Malurus melanocephalus</i>	Red-backed Fairy-wren	<i>Zosterops lateralis</i>	Silvereye	<i>Malurus cyaneus</i>	Superb Fairy-wren
<i>Neochmia temporalis</i>	Red-browed Finch	<i>Ardenna grisea</i>	Sooty Shearwater	<i>Circus approximans</i>	Swamp Harrier
<i>Sericulus chrysocephalus</i>	Regent Bowerbird	<i>Ninox novaeseelandiae</i>	Southern Boobook	<i>Podargus strigoides</i>	Tawny Frogmouth
<i>Anthochaera phrygia</i>	Regent Honeyeater	<i>Stipiturus malachurus</i>	Southern Emu-wren	<i>Cincloramphus timoriensis</i>	Tawny Grassbird
<i>Myiagra inquieta</i>	Restless Flycatcher				

Birds		Birds		Birds	
Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name	Common Name
<i>Gliciphila melanops</i>	Tawny-crowned Honeyeater	<i>Haliaeetus leucogaster</i>	White-bellied Sea-Eagle	<i>Hirundapus caudacutus</i>	White-throated Needletail
<i>Corvus orru</i>	Torresian Crow	<i>Artamus leucoryn</i>	White-breasted Woodswallow	<i>Eurostopodus mystacalis</i>	White-throated Nightjar
<i>Petrochelidon nigricans</i>	Tree Martin	<i>Sericornis frontalis</i>	White-browed Scrubwren	<i>Cormobates leucophaea</i>	White-throated Treecreeper
<i>Corvus sp.</i>	Unidentified Corvid	<i>Phylidonyris niger</i>	White-cheeked Honeyeater	<i>Rhipidura leucophrys</i>	Willie Wagtail
<i>Daphoenositta chrysoptera</i>	Varied Sittella	<i>Nesoptilotis leucotis</i>	White-eared Honeyeater	<i>Ptilinopus magnificus</i>	Wompo Fruit-Dove
<i>Lalage leucomela</i>	Varied Triller	<i>Egretta novaehollandiae</i>	White-faced Heron	<i>Leucosarcia melanoleuca</i>	Wonga Pigeon
<i>Malurus lamberti</i>	Variegated Fairy-wren	<i>Columba leucomela</i>	White-headed Pigeon	<i>Acanthiza nana</i>	Yellow Thornbill
<i>Aquila audax</i>	Wedge-tailed Eagle	<i>Melithreptus lunatus</i>	White-naped Honeyeater	<i>Caligavis chrysops</i>	Yellow-faced Honeyeater
<i>Smicrornis brevirostris</i>	Weebill	<i>Ardea pacifica</i>	White-necked Heron	<i>Acanthiza chrysorrhoa</i>	Yellow-rumped Thornbill
<i>Hirundo neoxena</i>	Welcome Swallow	<i>Gerygone olivacea</i>	White-throated Gerygone	<i>Zanda funereus</i>	Yellow-tailed Black-Cockatoo
<i>Haliastur sphenurus</i>	Whistling Kite				
<i>Coracina papuensis</i>	White-bellied Cuckoo-shrike				

Fish	
Scientific name	Common name
<i>Cyprinus carpio</i>	Carp
<i>Gambusia holbrooki</i>	Mosquito Fish

APPENDIX 5 – IMAGES



Lantana infestation

Flora Reserve Plan: Paperbark Site Specific Working Plan Document ID: D21/12094	Version No.: 1 Issue date: June 2022	Page 33 of 38 Review date: June 2031
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Drier more open Blackbutt dominated forest type

Flora Reserve Plan: Paperbark Site Specific Working Plan	Version No.: 1	Page 34 of 38
Document ID: D21/12094	Owner: FMS IC	Issue date: June 2022
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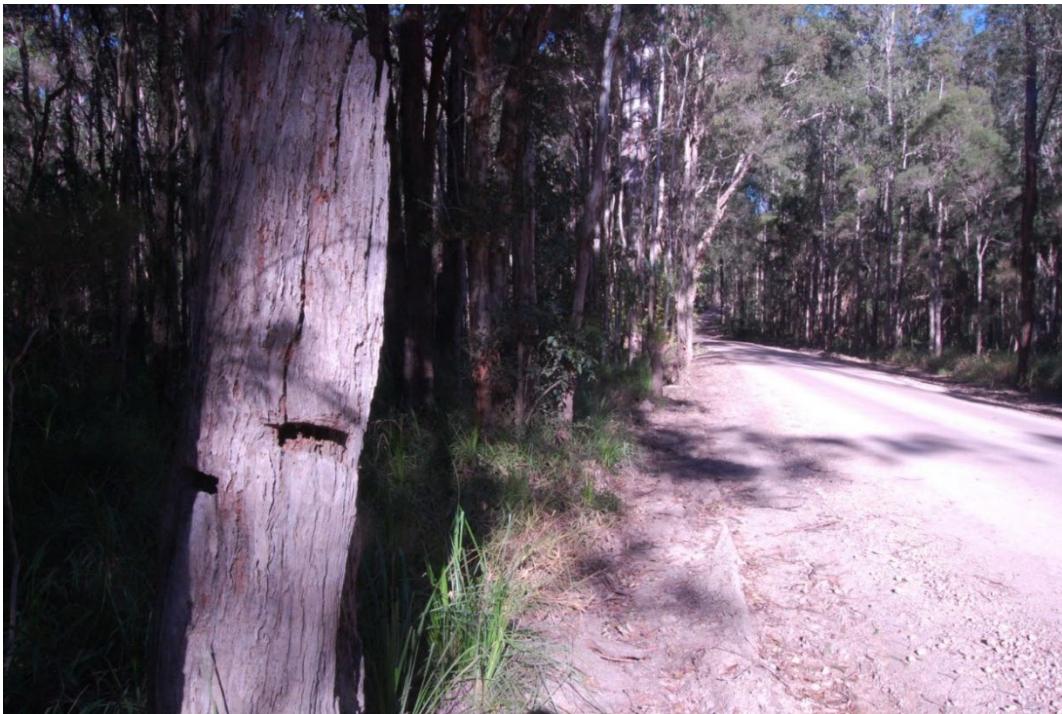


Paper bark wetland – Subtropical Coastal Floodplain Forest

Flora Reserve Plan: Paperbark Site Specific Working Plan	Version No.: 1	Page 35 of 38
Document ID: D21/12094	Owner: FMS IC	Issue date: June 2022
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Pacific Motorway dissecting the flora reserve including the vegetated Island between north and southbound lanes. Note the fauna crossing 'ladder' and glider poles to facilitate fauna movement and mature blackbutt forest.



Historic harvesting evidence, northern portion of flora reserve.

APPENDIX 6 – BIODIVERSITY OFFSET AREA REPORT TEMPLATE

Paperbark Flora Reserve Annual Report (20)		
Activity	Description	Annual update
Vertebrate pest control	Annual pest monitoring and control program implemented (where required).	
Trail maintenance	Annual fire trail assessment and maintenance as required.	
Weed control	Annual weed assessment and maintenance as required in conjunction with trail maintenance program.	
Vegetation and habitat monitoring	1 x permanent plot / forest type.	
Threatened Fauna Species Survey	1 x monitoring station (remote camera, song meter and anabat meter) /forest type / year.	

APPENDIX 7 – 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
1.0	» First version of the Paperbark Flora Reserve Working Plan	» The Hon. Dugald Saunders MP, Minister for Agriculture and Western NSW 20/6/22