

Working Plan for Bruxner Park Flora Reserve No 3 Upper North East Forest Agreement Region North East Region

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1. Details of the Reserve

1.1 Introduction

This plan has been prepared as a supplementary plan under the Nature Conservation Strategy of the Upper North East Ecologically Sustainable Forest Management (ESFM) Plan. It is prepared in accordance with the terms of section 25A (5) of the *Forestry Act 1916* with the objective to provide for the future management of that part of Orara East State Forest No 536 set aside as Bruxner Park Flora Reserve No 3.

The plan was approved by the Minister for Forests on 16.5.2011 and will be reviewed in 2021.

1.2 Location

The Reserve lies in the southeastern part of Orara East State Forest, adjoining compartments 68, 71-73, 75, 76 and 128. Part of the Reserve is also within Orara National Forest No 8. It is situated within Parish of Moonee, County of Fitzroy and the Coffs Harbour City Council Local Government Area. It is located approximately 4 kilometres north west of Coffs Harbour.

See Locality Map in Appendix 1 Map 1.

1.3 Key Attributes of the Reserve

Bruxner Park Flora Reserve possesses the following identified attributes:

- Lowland rainforest endangered ecological community (123 ha);
- High conservation value old growth forest (28 ha);
- Fine examples of Blackbutt, Tallowwood- Blue Gum, Brushbox and Flooded Gum Forest Types;
- The Reserve forms the eastern most part of a significant forested corridor linking ranges to the west and the coast;
- Vantage points that afford spectacular views of Coffs Harbour and the coast from Sealy Lookout over the Solitary Islands to Smoky Cape.

1.4 General Description

Area and Connectivity with National Park

The area of the Reserve is 429 ha. The eastern and southern boundary of the Reserve is the State forest boundary while the western boundary is formed by various ridge lines and gullies that now form the boundary with the adjoining Ulidarra National Park declared in 1998 following the revocation of part of Orara East State Forest. The northern boundary is formed by Bucca Creek and Bex Fire Trail to the Coast Range and Orara East State Forest boundary.

Survey shield trees have been established at key points along the boundary.

The Public Road from Coffs Harbour to Central Bucca runs through the Reserve entering the Reserve on the crest of the range at The Gap.

Bruxner Park Flora Reserve and the adjoining Ulidarra National Park provide a vegetated corridor linking the Dorrigo Plateau and the ranges to the west with coastal forests. The eastern most point of the Reserve is less than two kilometres from the Pacific Ocean and is one of few areas where there is a vegetated linkage from the Dividing range extending to within a few kilometres of the coastline.

Climate

The climate of the Reserve is subtropical maritime with a typically late summer autumn rainfall peak and late winter/spring period of low rainfall. There are occasional frosts in winter and

cyclonic storms may be experienced between December and March. Annual rainfall in the Reserve is expected to average about 2000mm.

Topography

The Reserve is moderately undulating with the most southern section forming part of the very steep flank of the Coast Range. Most of this section drains into Jordan Creek while a small part drains into Coffs Creek. Both of these creeks drain easterly into the Pacific Ocean. The balance of the Reserve forms part of the upper catchment of an arm of Bucca Bucca Creek, a tributary of the Orara River that flows northwards to the Clarence River. The Reserve is an integral part of the forest that originally covered the Coast range, dividing the coastal streams north of Coffs Harbour from the Clarence River system.

The elevation of the Reserve ranges from 317 metres above sea level just west of Sealy Lookout to about 120 metres where Bucca Bucca Creek drains out of the Reserve. While aspect is generally north westerly, all aspects are represented in the Reserve.

Geology and Soils

The geology of the Reserve comprises the Carboniferous or Lower Permian Coramba Beds. These beds consist of greywacke, slate and siliceous argillite with calcareous siltstone and acid and basic volcanic present in small quantities. The beds are often steeply dipping and folded, overlain by soils up to four metres deep, resulting from weathering of the bedrock due to the permeability of some rock strata.

A fairly typical catena grades from shallow ridgetop lithosols, down slope through deeper red duplex soils which may have low subsoil permeability. These soils grade into yellow duplex soils and drainage may deteriorate down slope. Alluvial yellow earths occur in the gullies.

These soils are of relatively high fertility for forest soils.

Floristics, Forest Types and Forest Ecosystems

The forest communities present in the Reserve vary in composition from closed rainforests in gullies and the tall Flooded Gum (*Eucalyptus grandis*) stands of the lower slopes and gullies to the wet and dry sclerophyll forests of the upper slopes. The mosaic of forest types reflects the varying influences of aspect, soil conditions and fire frequency and the structure of the types reflect in part the influence of logging histories. Forest Types in accordance with Forestry Commission Research Note 17 classification within the Reserve are shown in Appendix 1 (Map 2).

Five major groups of forest types can be recognized in the Reserve:

(i) Rainforest (123 ha)

The gullies and lower slopes of the area are occupied by rainforest types. This reflects sites which are suboptimal for the development of subtropical rainforest but are better than those typical of the warm temperate rainforest stands resulting in a merging of species from both communities. Because of this, as well as logging disturbance in the early 20th century, the rainforest in the Reserve contains a high diversity of species.

The community, classified as Forest Type No 5 (Booyong-Coachwood) in Research Note 17, often has an overstorey of veteran Brushbox (*Lophostemon confertus*), Flooded Gum and Strangler Fig (*Ficus watkinsiana*). The presence in the the overstorey of fire dependent species, such as Brushbox and Flooded Gum, without similar representation in the lower strata indicates that major fires do occur but are very infrequent on the moist lower slopes. These fires would result in some retreat and subsequent advance of the rainforest boundary and this is also reflected in the presence of Flooded Gum within the broad area of rainforest. Rainforest species are also common in the understorey of some of the moister eucalypt stands in the Reserve. The present boundary of the main rainforest stands appear to have been relatively static for a long period with the absence of large specimens of fire resistant rainforest trees, such as Corkwood (*Caldcluvia paniculosa*) and Murrogun (*Cryptocaryya microneura*), on the rainforest margin indicates that the boundary is not retreating, while the presence of large Strangler Figs and Yellow Carabeen (*Sloanea woollsii*) close to the rainforest margin indicates that it is not advancing.

The main canopy contains a complex mixture of Yellow Carabeen, Black and White Booyongs (*Argyrodendron actinophyllum* and *A. trifoliolatum*), Coachwood (*Ceratoptetalum apetalum*) and Crabapple (*Schizomeria ovata*). All five species have a wide distribution in rainforests but have different requirements and tolerances for such factors as soil fertility, soil moisture, temperature and fire history. Mature Coachwood has only been recorded in the broadest section of the main gully where fires are least likely to penetrate, while a little further upstream on the north eastern slopes of Bucca Bucca Creek there is a well developing stand of Coachwood resulting from earlier logging. Yellow Carabeen is visually prominent throughout the Reserve because of its large buttressing and its broad spreading crown. There are scattered trees of both Black and White Booyongs with Black Booyong predominating in side gullies. Groves of Bangalow Palms (*Archontophoenix cunninghamiana*) are found on moister creek banks sometimes reaching to the canopy.

The understorey contains small Walking Stick Palms (*Linospadix monostachyus*), tangles of Lawyer Cane (Calamus muelleri), small Palm Lily (Cordyline stricta) as well as many ferns.

Strangler Figs at various stages of growth from young plants to independent trees that have killed their hosts are found with their fruit providing an important source of food for many birds and other fauna. The Booyongs, Yellow Carrabeen and some other large trees have distinctive buttressing at the base of stems while Black Apple (*Planchonella australe*) has a characteristically fluted stem. Epiphytes including the Birds Nest Fern (*Asplenium australiasicum*), Elk-horn Fern (*Platycerium aliocorne*) and Rock Lilly (*Dendrobium speciosum*) are common in the tree tops. Stem climbers and small vines including Pothos (*Pothos loureiri*) and Native Pepper (*Piper novae-hollandiae*) clothe many of the tree trunks. Loops of large lianes, such as Water Vines (*Cissus Antarctica*) hang down from the canopy. Other species include the Climbing Bamboo (*Flagellaria indica*), and the Large Leaved Cunjevoi (*Colocasia macrorrhiza*) is frequently found on road edges.

Because of the extensive clearing of lowland rainforest, rainforest stands below 600 metres elevation on the NSW North Coast are listed as an endangered ecological community under the *Threatened Species Conservation Act*.

(ii) Blackbutt Types (213 ha)

Stands dominated by Blackbutt (Eucalyptus pilularis) and classed as either Moist or Dry Blackbutt Forest Types (Forest Type 36 or 37) cover much of the area and range in composition from almost pure Blackbutt stands to mixed species stands on sites where Blackbutt loses its competitive edge but still forms approximately 50% of the overstorey. Associated species vary with soil moisture and fertility. On the less fertile ridgetop sites, Smoothbarked Apple (Angophora costata) and Red Mahogany (Eucalyptus resinifera) may form up to 20% of the overstorey. On the more fertile ridges and mid slopes, Sydney Blue Gum (E. saligna), Tallowwood (E. microcorys), Brush Box and Turpentine (Syncarpia glomulifera) are frequent associates. On the less fertile sites, White Mahogany (E. acmeniodes) and Grey Ironbark (E. paniculata) occur, while Brush Box is a frequent associate on the more fertile moist sites. The second storey of these types is generally made up young eucalypts, Forest Oak (Allocasuarina torulosa), Turpentine and on the moister sites, various mesophytic species, often also present in the rainforest. The dry blackbutt type has a grassy understorey with sparsely distributed shrubs. Burrawong (Lepidozamia peroffskyana) and Grasstree (Xanthorrhoea australis) are common and distinctive understorey species in the dry blackbutt type near Sealy Lookout and on the ridge running west from the lookout. These forests are classified as Tall Open or Open Forests and are largely made up of a mosaic of even aged stands of varying size reflecting past logging and fire history. Large old growth Blackbutt trees occur as only scattered stems among the younger regrowth stands which have been heavily logged in the past. These trees form a more significant component on less accessible sites subject to only light past logging.

(iii) Moist Hardwood Types (55 Ha)

Two forest types, Tallowwood –Sydney Blue Gum (Forest Type No 47) and Brush Box (Forest Type No 53) make up this group which occurs on mid to lower slopes where the proportion of Blackbutt decreases. In the former, Tallowwood and Sydney Blue Gum make up more than 50% of the canopy. Brush Box, Flooded Gum and other eucalypts, Turpentine, Forest Oak, palms, and various rainforest species contribute more downslope where Brush Box may predominate in the latter forest type.

(iv) Flooded Gum Type (26 Ha)

The Flooded Gum type (Forest Type No 48) is typically dominated by the single species. It normally occurs in distinct single aged stands, ranging from patches carrying trees less than 60 cm diameter at breast height (DBH) to patches containing scattered relics believed to be about 300 years old. One of the more notable of these veteran trees has been named the Vincent Tree and stands amid rainforest adjacent to the Central Bucca Road. This tree has a total height of 65m and a DBH of 2.27m. Many of the younger are the result of logging disturbance that occurred in the area from about 1890.

Occasional stems of Blackbutt, Tallowwood, Sydney Blue Gum and Brush Box may occur in association with Flooded Gum. Below the taller trees, there may be a layer of smaller suppressed eucalypts and rainforest species. The understorey may change downslope, from a mesic assemblage to an immature gully rainforest type above which Flooded Gum and Brush Box are emergent trees.

(v) Other (12 ha)

A limited area of Spotted Gum - Ironbark/Grey Gum type (Forest Type 74) occurs on the eastern edge of the Reserve while there are small areas of cleared land in the southern part of the Reserve.

During the Comprehensive Regional Assessment, a forest ecosystem classification system that reflects the diversity of the region at a relatively large spatial scale was developed. The table below shows the extent of CRA Forest Ecosystems present within the Reserve as well as the reservation status of the Forest Ecosystems within dedicated reserves as well as in the Comprehensive Adequate and Representative Reserve system at the time of completion of the Comprehensive Regional Assessment.

CRA Forest Ecosystem (FE)	Area(Ha)	Extant FE in CAR Reserve System%	Extant FE in CAR Reserve System%
		Dedicated	CAR Reserve
		Reserve	
32 Dry Foothills Blackbutt-Turpentine	91	8.1	12.9
55 Foothills Grey Gum-Spotted Gum	2	5.9	14.1
106 Open Coastal Brushbox	43	11.1	21.7
154 Wet Flooded Gum-Tallowwood	26	2.2	3.9
155 Wet Foothills Blackbutt-Turpentine	106	16.0	25.6

A list of flora species known to occur within the Flora Reserve is provided in Appendix 2.

Old Growth Forest

As part of the Comprehensive Regional Assessment, the mapping of high conservation old growth resulted in 28 ha being identified generally within Blackbutt forest type in the southern part of the Reserve. Other growth stages mapped within the Reserve are mature dominant stands with less than 10% senescent crown form with either less than 10% regrowth (tC) or 10-30% regrowth (sC).

Vegetation growth stages and rainforest as mapped in the Comprehensive Regional Assessment are shown in Appendix 1 Map 3.

Fauna

The Reserve supports a broad array of fauna. Details of birds and other fauna recorded within the Reserve are contained in Appendix 3. These include a number of historical records and the source of some of these records cannot be confirmed.

The rainforest areas within the Reserve are a food source for fruit eating fauna, such as bowerbirds and possums. These rainforests, along with patches near the Reserve, also provide a low elevation coastal supplement to the fruit resources of the Clarence Valley and the Dorrigo Plateau for migratory and nomadic frugivores, such as cuckoos, fruit bats and fruit pigeons.

The Reserve also provides nesting sites in the large hollow bearing eucalypts with the Powerful Owl, Sooty Owl, Masked Owl, Barking Owl as well as a local dense population of Boobook Owl being observed within the Reserve.

All arboreal marsupials that occur in Central Eastern Australia have been recorded within the Reserve. Macropods are rare reflecting the dense understorey, lack of grazing areas or predation by nearby feral and domestic dogs from nearby agricultural and urban areas.

The Southern Angle-headed Dragon which has a patchy distribution mainly because of discontinuous habitat and extensive clearing for agricultural and other purposes is found in the Reserve. It is primarily an arboreal species but forages in rainforest leaf litter for insects and other food.

Weeds

The introduced Lantana (*Lantana camara*) is common in parts of the Reserve and is particularly aggressive in the moister Flooded Gum type.

1.5 History

Aboriginal Heritage and Historic Heritage

Aboriginal communities have a strong association and connection with the land. The escarpment was used as a travel route from the Orara Valley to the coast at Coffs Harbour. There are several recorded sites within the Reserve and the adjacent National Park.

A logging tramline built by the British Australian Timber Company in 1908 traversed the Reserve and cuttings associated with the line are evident in some areas.

A weir was constructed for irrigation of bananas in the mid 1950's.

High Conservation Value Old Growth Forest in Upper North East Region, some of which occurs in the Reserve, is recorded on the State Heritage Register.

Forest Management History

The Coast Range area was logged from the 1880's. The logging was initially very selective with only the best trees being removed. A logging tramline from Coffs Harbour to Orara East State Forest was constructed through the present Reserve and was used to extract logs from within the area now within the Reserve. The line was built by the British Australian Timber Company (BAT) and supplied logs to its sawmill on the site now occupied by Coffs Harbour High School near the Jetty. The line climbed the Coast range from Korora, entering the Reserve at the Gap. The route with its steep but even grade is now used by the Public Road. After The Gap the line veered to the right and the engine entered a dead end where it would reverse and push the trucks down the hill into the Reserve. This meant that the engine faced the route home when it arrived at the loading ramps near the creeks close to the Vincent Tree. At each of the ramps, a steam operated winch hauled in logs from the bush up to 800 metres away. Four bullocks hauled a heavy wire rope along bush tracks to the logs. During the period 1908 to 1914, when the mill burnt down, the engine was able to move two loads comprising 6 logs per day.

Logging was particularly heavy for timber and fuel near the tramline. Logging operations in the area continued spasmodically after the BAT mill was destroyed. It is probable that a road leading through the Reserve was first established by some of the early log cutters. This road was properly formed and gravelled in the early 1930's and in 1969 the section from the Gap to the Halfway Picnic Point was realigned and sealed.

At about the same time as the road was improved, there was some local agitation "to have an area of this beautiful scrub scenery reserved for all time" because there were some concerns that the improved access would result in heavy logging, particularly in the rainforest stands adjacent to the road. The Minister for Forests, The Honourable Ray Vincent, MLA, who was also the Local Member, was sympathetic and in 1933 directed that a suitable area should be reserved as "Bruxner Park", named after Lt Col M F Bruxner, MLA, who at the time was Deputy Premier of NSW. In 1936, Parliament approved the revocation of an area of about 57 ha from Orara East State Forest to allow for the transfer of the land to the Department of Lands. However, before the gazettal of the revocation had been effected, the Minister decided that it should be declared as a Flora Reserve under the amendments to the *Forestry Act* passed by Parliament in 1935.

Notification of the area as a Flora Reserve was delayed, apparently due to problems over the procedures to be adopted in notifying a Flora reserve, and some logging occurred in the area before it was stopped by the Forestry Commission. The area proposed for the Flora Reserve was specifically excluded from the declaration of Orara National Forest in 1938. The notification of the Reserve was further delayed by World War 2 and after the war it was apparently not realized that the Reserve had still not been formally notified. A working plan, the first such plan to be prepared, was finally drafted. It was also the first to involve local organizations in the management of a Reserve. The Flora Reserve of 57 ha was finally gazetted on 6 June 1958.

In 1963, a buffer area covering rainforest areas close to the Reserve was approved by the Commission and in 1977 a major extension to the Reserve incorporating the 1963 buffer area and associated hardwood stands was approved in principle. The extension was to include Sealy Lookout, located on the range south of the reserve that provided views over Coffs Harbor and southward down the coast to Smokey Cape. While the area had been managed as part of the Reserve since the mid 1960's, action towards notifying the extension was delayed until 1984 pending the finalisation of a roading plans for the adjoining State forest areas. The extension was gazetted on 27 July 1984 and revision of the working plan was necessary.

No logging has occurred in the area of the extension since the early 1950's, except for the felling of two trees along the road to Sealy Lookout as a demonstration during the Royal visit of 1970. Some silvicultural treatment comprising culling of unmerchantable trees occurred in the area in 1956.

A weir and pipeline was constructed in the mid-1950's in the area subsequently included in the extension to the Reserve. The weir provides water for irrigation of bananas on property adjacent to the Reserve.

An advisory committee established under the original working plan began to function in 1957 and about the same time the first picnic facilities were provided along Central Bucca Road and the walking trail along Bucca Bucca Creek was established.

On 14 January 1961, a large Flooded Gum tree along Central Bucca Road was officially named the "Vincent Tree" in recognition of the role played by the Honorable RS Vincent in the establishment of the Reserve. This ceremony was the first official function of the Coffs Harbour Centenary Year.

Work commenced on the provision of facilities at the Lookout south of the Reserve in 1967. Considerable assistance was provided by the Coffs Harbour Lions Club, and the area was eventually recognized as Sealy Lookout, in memory of Harold Sealy, a local forester who had been a leading member of the Lions movement.

The Flora Reserve and Sealy Lookout were visited by HM Queen Elizabeth II and members of the Royal family during the visit to Australia as part of the Captain Cook Bicentenary celebrations in 1970.

In 1984 action was taken to remove the Reserve from the provisions of the Mining Act with the exemption being gazetted on 25 July 1986.

State forest adjoining the Reserve was revoked and declared as Ulidarra National Park under the provisions of the *Forestry and National Park Estate Act* in 1998.

Previous Working Plans

The first Working Plan for the Reserve was drafted for the original Reserve prior to its notification as a Flora Reserve in 1958. The Working Plan was revised prior to the gazettal of the significant

extension of the Reserve in 1984. The current plan has been developed following the development of new guidelines for formal reserves in 2010.

Other

The Reserve forms part of the Orara Ornithological Area listed on the Register of the National Estate. The statement of significance notes that the area has very high bird diversity and is particularly rich in raptor and tree hollow-using species. Species listed include Glossy Black-cockatoo, White-eared Monarch, Painted Honeyeater, Wompoo Fruit-dove, Rose-crowned Fruit-dove, Yellow-tailed Black-cockatoo, Powerful Owl, Masked Owl, Sooty Owl and Yellow-eyed Cuckoo-shrike. The register was frozen in 2007 following amendments to the *Australian Heritage Council Act 2003* but continues as a statutory register until February 2012 with a transitional period allowing for review, and where appropriate, transfer of places to other heritage registers.

1.6 Current Usage

Recreation

The major recreational facility within the Reserve is Sealy Lookout where an observation platform with a plaque identifying landscape features from the lookout, picnic facilities and toilets have been provided. There are three small picnic areas adjacent to the public road where tables and fireplaces have been installed.

A series of walking trails follow Bucca Bucca Creek from The Gap to the Park Creek picnic area on Swans Road near the boundary of the Reserve. A marked nature trail has been developed near the Gap.

The reserve is an extremely popular recreation area with large numbers of visitors being attracted to the scenic lookout and other facilities.

Access

The Coffs Harbour-Central Bucca Road bisects the Reserve. This Road is a public road and is not covered by the provisions of this plan. The Scenic Road leads south from the public road at The Gap running along the Coast Range to Sealy Lookout.

Towards the north of the Reserve, another road runs to the west from the public road and crosses Bucca Bucca Creek before dividing into two roads, Swans Road running south and Cross Road going west with Swans Road extending beyond the Reserve into the adjoining Ulidarra National Park.

Scenic Road and Swans Road provide practical, but not legal access to a number of adjacent properties. Swans Road and Shelter Road provide dry weather two wheel drive access through the National Park.

Several other fire trails occur mainly around the boundaries but these are not open to vehicular access by the public. However these trails may be used for walking and mountain biking.

Other uses

A number of Occupation Permits have been issued over parts of the Reserve.

An Occupation Permit for a dam and pipeline (OP 9909) has been in existence since the mid 1950's and is located in the extension to the Reserve to the south of original Reserve. It is used to irrigate bananas to the east of the Reserve.

Several occupation permits have been issued to cover the construction and use of telecommunication facilities on the ridge running east from Scenic Road. OP 13535 is held by a commercial television station for a translator tower and equipment building and was issued in 1981 prior to the notification of this section as an extension to the Reserve. Coffs Harbour City Council also holds an occupation permit for this site (OP 14041) approved by the Minister in 1986 for an underground power line to this site to provide power to a beacon erected on the television translator tower as part of the upgrade to Coffs Harbour Regional Airport. A mobile phone carrier also holds an occupation permit (OP CX0003) adjacent to these facilities for a separate building and transmission pole.

Three occupation permits are current within a small cleared area immediately adjacent to the north eastern boundary of the Reserve. These occupation permits cover radio transmission and communications facilities for a local radio station and several private companies.

There are a number of other users that have co-located on the towers under agreements with the infrastructure owners and Forests NSW.

2. System of Management

2.1 Objectives of Management

The objects of management will be to:

- Protect existing flora and fauna;
- Protect representative examples of forest ecosystems in the area;
- Protect Aboriginal and other cultural and archaeological values of the reserve;
- Maintain reference stands and provide for limited scientific study consistent with the protection of the area, including the development of an understanding of successional growth processes after disturbance and as a reference for assessing the effects of alternative land use in surrounding areas;
- Provide for recreational and ecotourism use of the Reserve while limiting risks to the safety of users and impacts on the identified attributes of the Reserve to an acceptably low level;
- Promote a knowledge and understanding of the ecosystems and history of the Reserve and surrounding areas;
- Protect the Reserve and neighbouring areas from damaging wildfire and other agents.

2.2 Management Strategies

Management will seek to achieve the objectives outlined above by:

- Excluding the area from disturbance from harvesting and other forest product operations;
- Suppressing wildfire threatening the Reserve as a priority and ensuring that any hazard reduction within the Reserve is restricted to low intensity burning within sclerophytic stands and;
- Maintaining and improving recreation, ecotourism, interpretive and educational facilities;
- Ensuring that any new proposals for increasing recreational, ecotourism, interpretative or educational opportunities are subject to safety and environmental assessment and that any potential adverse impacts are monitored and controlled.

Under the Forest Management Zoning (FMZ) system, Bruxner Park Flora Reserve is zoned FMZ 1 and therefore contributes to the dedicated reserve system in the North East Region. Management will be consistent with the requirements of JANIS dedicated reserves and the area cannot be revoked except by an Act of Parliament.

Consistent with FMZ 1, the following activities are not permitted:

- Timber harvesting;
- Removal of forest products and materials;
- Grazing by domestic stock;
- Beekeeping;
- Gravel or hard rock quarrying;

• Mineral and petroleum exploration and mining when exempted by the Minister administering the Mining Act 1992.

The following activities may be permitted subject to standard conditions contained in Codes of Practice, Forest Practices Circulars, protocols, Licenses and Recovery Plans after approval by the Regional Manager:

- Scientific studies (eg, fauna surveys including trapping);
- Maintenance of existing roads and fire trails;
- Maintenance and improvements of existing recreation facilities comprising picnic facilities, observation platform, toilets, signposting and car parks including upgrading where necessary at Sealy Lookout, The Gap and walking trails to meet demand while protecting the attributes of the Reserve;
- Limited tree and or limb removal for safety, maintaining views or maintenance of existing infrastructure used for recreation or communications;
- Pest animal and weed control (as far as practicable noxious weeds and other exotic species will be eliminated from the Reserve);
- General access for activities such as picnicking, bush walking, photography and nature study;
- Aboriginal use of forest products in instances where there is no other suitable land that is
 reasonably accessible to the Aboriginal person and the scale and intensity of the activity
 is consistent with the maintenance of the conservation attributes to be protected in the
 Reserve;
- Prescribed burning in a manner consistent with maintaining the health of forest ecosystems. Fuel management within the Reserve will be undertaken as part of the District Fire Committee considerations and consistent with the *Rural Fires Act*. Any proposed prescribed burning within or surrounding the Reserve will take into consideration public comment obtained through advertisement in the local newspapers and will be consistent with the Regional Fuel Management Plan;
- Maintenance of existing communication towers and associated infrastructure such as guy wires, compounds, buildings and vegetation control on existing sites by the permit holders and the installation of improvements on existing infrastructure.

The following activities may only be permitted after environmental impact assessment under the *Environmental Planning and Assessment Act* including the opportunity for public comment obtained through advertising the proposal in local newspapers. Any approval will require the implementation of special conditions to ensure that the identified attributes of the Reserve are not significantly affected by the activity:

- Construction of additional communication towers and associated buildings but only in circumstances where it is not possible to co-locate on existing facilities and the proposal, including provision of power and access has negligible impact on vegetation, soil disturbance, recreational use and aesthetics;
- Development of facilities and activities to enhance education, sustainable ecotourism and recreation by Forests NSW, in association with interagency partners or by third parties. These facilities and activities may include:
 - Extended day or overnight walks within the Reserve or in association with Department of Environment Climate Change and Water in the Reserve and adjoining National park;
 - Interpretative Centre for forest management, timber industry, environmental and/or cultural heritage themes;
 - New visitor experiences such as skywalks, canopy activities, ecotours and ecoadventure opportunities;
 - > New car parks adjacent to existing roads to service these developments.
- Construction of new roads and fire trails but only in exceptional instances and consistent with the following principles:

- There is no practical alternative available;
- The attributes of the Reserve will not be significantly affected by the road or fire trail.
- Ministerial approval is given for the proposal.

2.3 Management Responsibility

The Reserve will be administered by the Regional Manager of Forests NSW North East Region, who shall ensure:

- The boundaries of the Reserve are maintained in a clearly marked condition. The state of the boundary marking will be checked, and if necessary clarified, before any operations are carried out in the vicinity of the Reserve;
- Operations in adjacent areas are performed in a manner so as not to cause damage or disturbance to the Reserve;
- Occupation and Special Purposes permits are issued only for activities consistent with the management objectives for the Reserve;
- Public participation when considering any changes to the management objectives or boundaries of the Reserve.

2.4 Monitoring, Reporting and Review

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

The results of this monitoring, review and management response will be reported in the Annual ESFM Report for the Region and will contribute to the five-yearly review of the Forest Agreement.

The provisions of this Working Plan will be amended, if necessary, in light of the results of monitoring and will be subject to approval by the Minister for Forests in accordance with provisions of S25A(5) of the *Forestry Act*.

3. List of Appendices

Appendix 1 – Maps

Map 1 – Locality Map

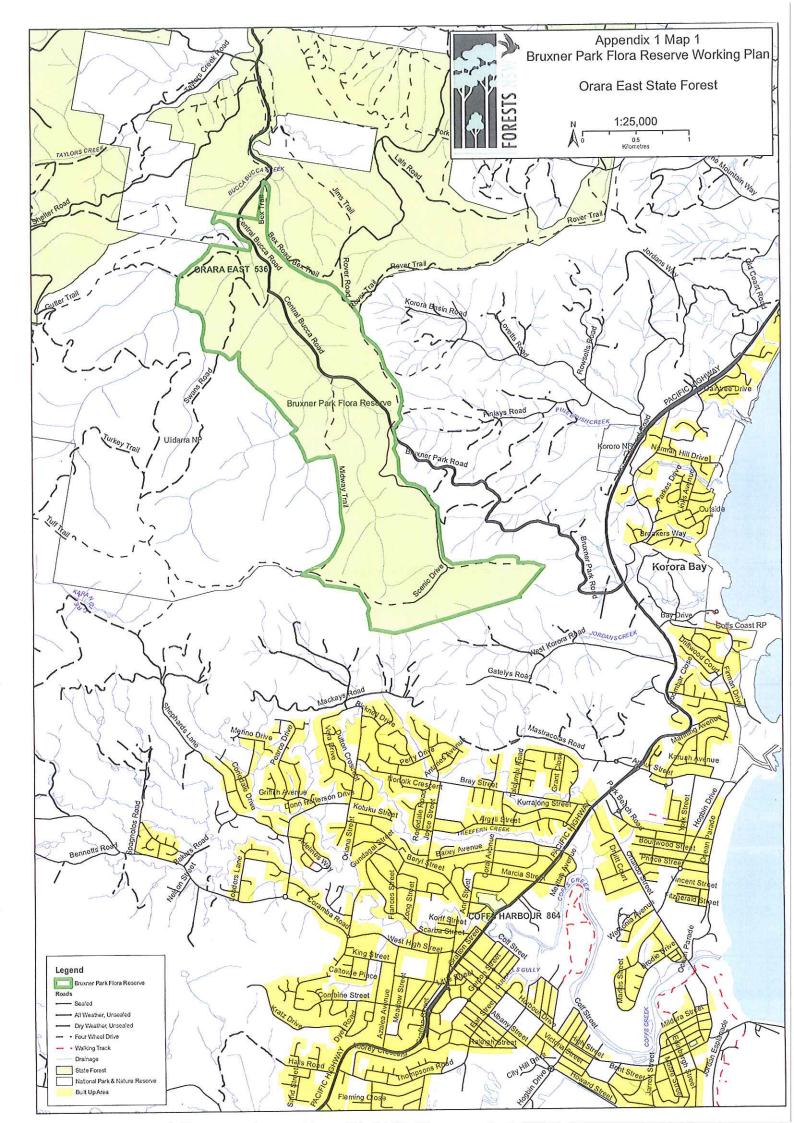
Map 2 – Cadastral Boundaries, Forest Types and Streams

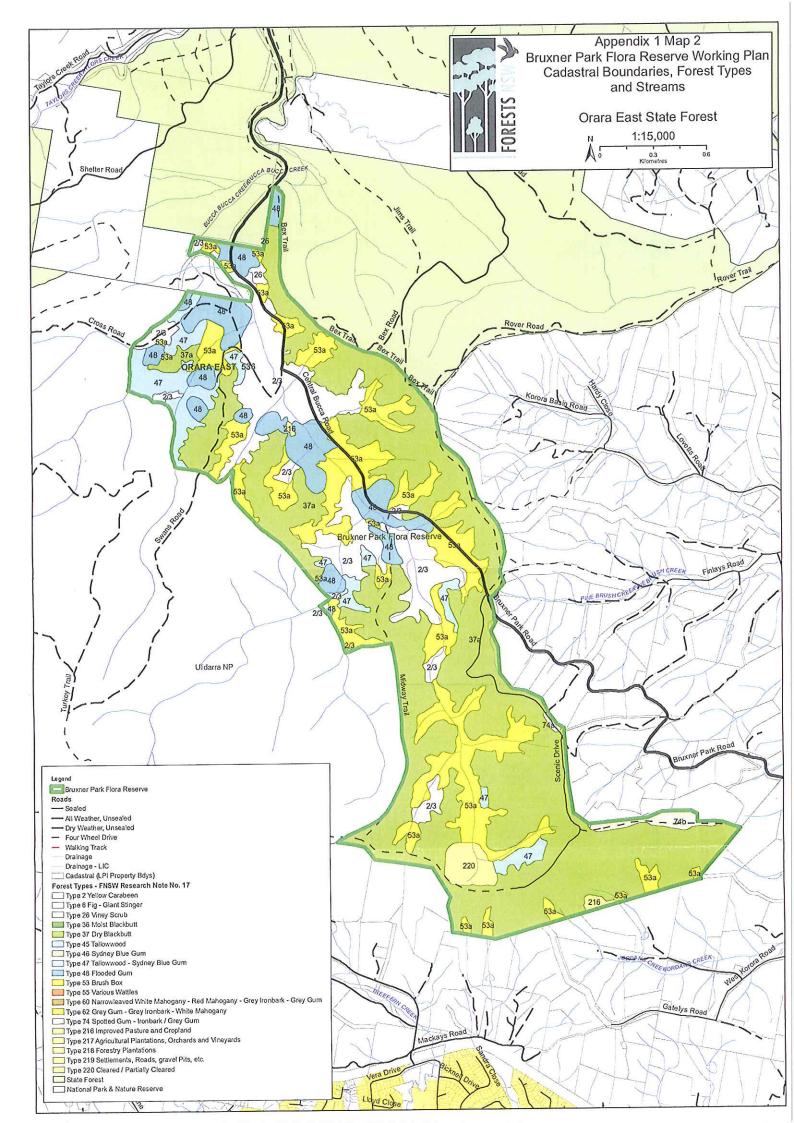
Map 3 – Vegetation Growth Stages

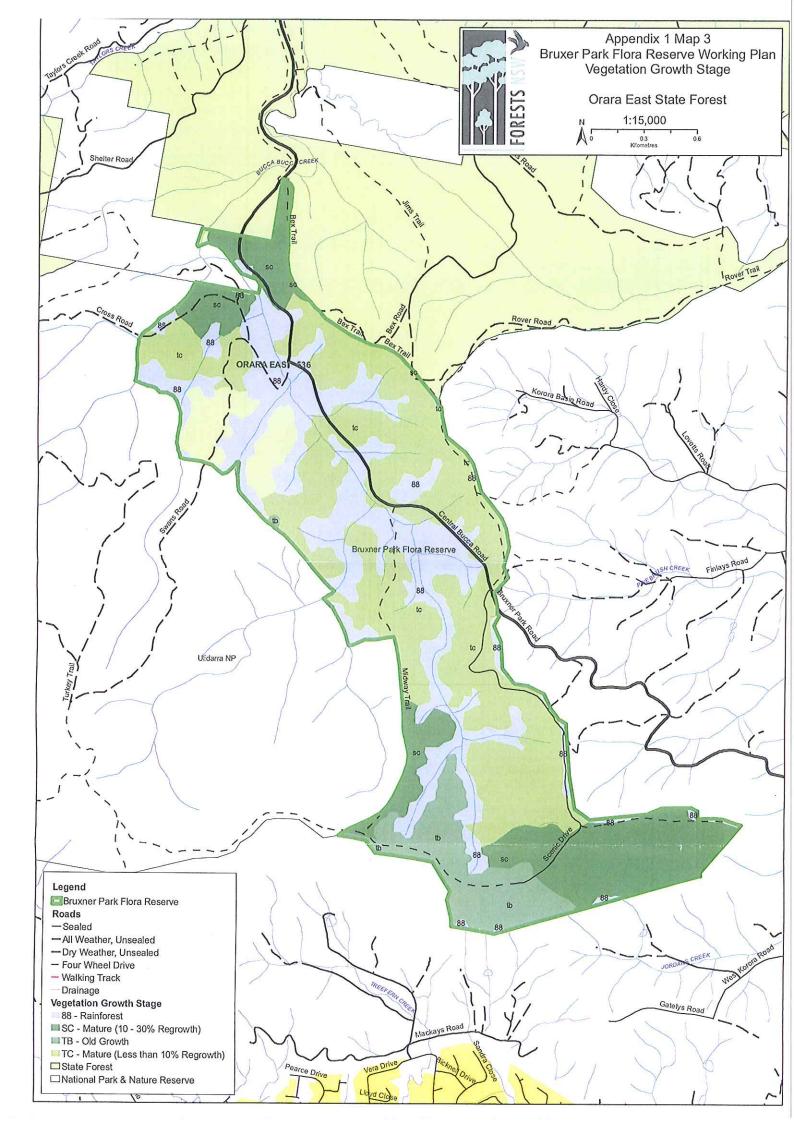
Map 4 – Existing Occupation Permits and Recreation Facilities

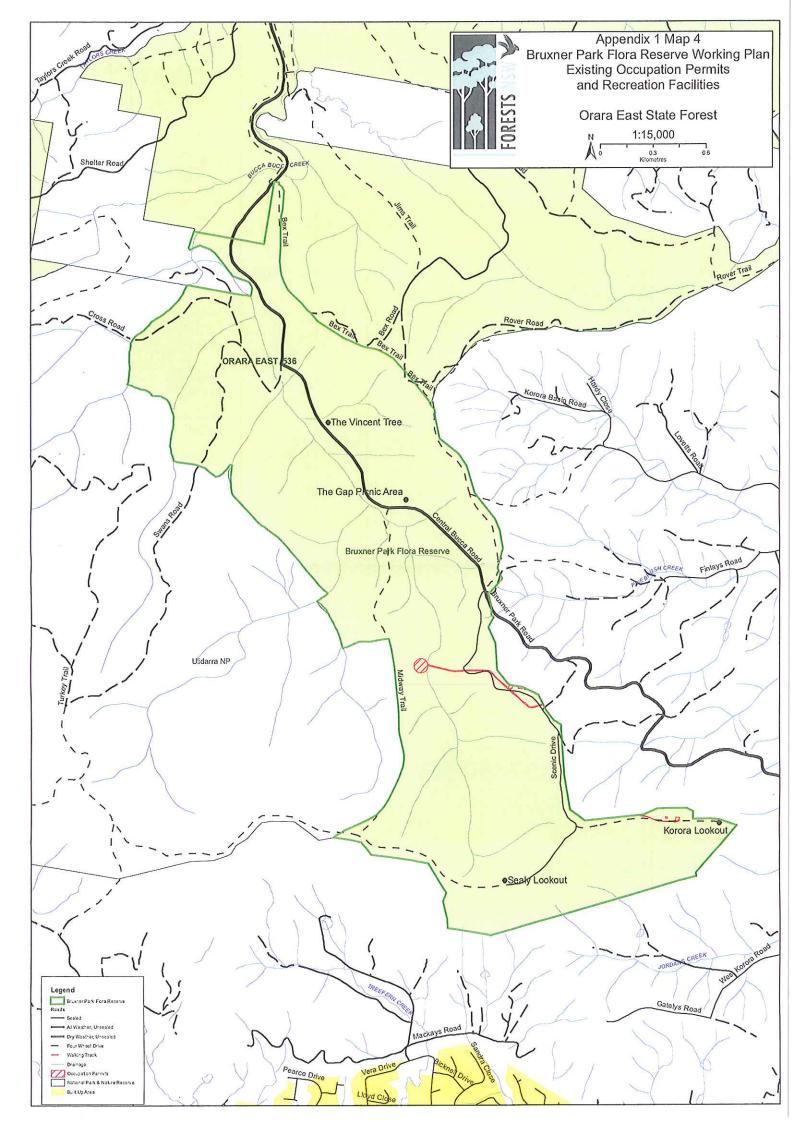
Appendix 2 – Flora species known to occur in the Reserve

Appendix 3 – Fauna Species recorded on or within 2km of the Reserve









Appendix 2 – Flora species known to occur in the Reserve

Source data: T. D. Tweedie, S. Bruskin, W. S. Chapman, and R. W. Heyward. 1995. *Flora Survey of the Urunga and Coffs Harbour Management Areas. Northern Region, State Forests of NSW.* Coffs Harbour /Urunga Management Area EIS. Supporting Document No.5.

Family	Species	Common Name
Adiantaceae	Ādiantum hispidulum	Rough Maidenhair Fern
Adiantaceae	Adiantum silvaticum	Maidenhair Fern
Akaniaceae	Akania bidwillii	Turnipwood
Anacardiaceae	Euroschinus falcatus var. falcatus	Ribbonwood
Annonaceae	Melodorum leichhardtii	Zig- zag Vine
Apocynaceae	Ervatamia angustisepala	Banana Bush
Apocynaceae	Marsdenia flavescens	Hairy Milk Vine
Apocynaceae	Marsdenia longiloba*	Slender Marsdenia
Apocynaceae	Melodinus australis	Rubber Vine
Apocynaceae	Parsonsia fulva	Rusty Silkpod
Apocynaceae	Parsonsia straminea	Ivy Silkpod
Apocynaceae	Parsonsia velutina	Hairy Silkpod
Apocynaceae	Parsonsia ventricosa	Acuminate Silkpod
Apocynaceae	Tabernaemontana pandacaqui	Banana Bush
Araceae	Alocasia brisbanensis	Cunjevoi
Araceae	Gymnostachys anceps	Settlers Flax
Araceae	Pothos longipes	Pothos
Araliaceae	Astrotricha floccosa	Sneeze Bush
Araliaceae	Cephalaralia cephalobotrys	Climbing Panax
Araliaceae	Polyscias elegans	Celerywood
Araliaceae	Polyscias murrayi	Pencil Cedar
Arecaceae	Archontophoenix cunninghamiana	Bangalow Palm
Arecaceae	Calamus muelleri	Lawer Cane
Arecaceae	Linospadix monostachya	Walking-stick Palm
Arecaceae	Livistona australis	Cabbage Tree Palm
Aspleniaceae	Asplenium australasicum	Birds-nest Fern
Aspleniaceae	Asplenium flaccidum subsp. flaccidum	Weeping Spleenwort
Aspleniaceae	Asplenium polyodon	Sickle Spleenwort
Asteliaceae	Cordyline stricta	Erect Palm Lily
Bignoniaceae	Pandorea baileyana	Large-leaved Wonga Vine
Blechnaceae	Blechnum cartilagineum	Soft Water Fern
Blechnaceae	Blechnum nudum	Fishbone Water Fern
Blechnaceae	Blechnum patersonii	Strap Water Fern
Boraginaceae	Ehretia acuminata var. acuminata	Koda
Casuarinaceae	Allocasuarina torulosa	Forest Oak
Celastraceae	Denhamia celastroides	Orange Boxwood
Celastraceae	Denhamia pittosporoides	Orange Boxwood
Cucurbitaceae	Sicyos australis	Star Cucumber
Cucurbitaceae	Zehneria cunninghamii	Wild Cucumber
Cunoniaceae	Aphanopetalum resinosum	Gum Vine
Cunoniaceae	Caldcluvia paniculosa	Corkwood
Cunoniaceae	Callicoma serratifolia	Callicoma
Cunoniaceae	Ceratopetalum apetalum	Coachwood
Cunoniaceae	Geissois benthamiana	Red Carabeen
Cunoniaceae	Schizomeria ovata	Crab Apple
Cupressaceae	Callitris macleayana	Brush Cypress Pine

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	Lauraceae	Cryptocarya microneura
Lauraceae Cryptocarya rigida	Lauraceae	Cryptocarya obovata
	Lauraceae	Cryptocarya rigida

Tall Sedge Black Fruit Saw-sedge **Button Grass** Hare's Foot Fern Bat's Wing Fern Rainbow Fern False Braken Trailing Guinea Flower Twining Guinea Flower Yam Creeping Shield Fern Black Myrtle Blueberry Ash Maiden's Blush Yellow Carabeen Tree Heath Native Hydrangea Macleay Laurel Elderberry Featherwood Brown Possumwood Grey Possumwood Actephila Scrub Bloodwood Coffee Bush Brittlewood Green Native Casarilla Cheese Tree **Bleeding Heart** Native Poplar Sally Wattle Myrtle Wattle Pink Laceflower Blood Vine Derris Vine Arsenic Bush Flintwood Whip Vine Jungle Bristle Fern Soap Box Common Rush White Beech Grey Walnut Hard Bolly Gum Camphor Laurel Oliver's Sassafras Jackwood Murrogun Pepperberry Forest Maple

Prickly Tree Fern

Lauraceae Lauraceae Lauraceae Lauraceae Lauraceae Lauraceae Lomandraceae Lomandraceae Lomandraceae Loranthaceae Lycopodiaceae Malvaceae Meliaceae Meliaceae Menispermaceae Menispermaceae Monimiaceae Monimiaceae Monimiaceae Monimiaceae Moraceae Moraceae Moraceae Myrsinaceae Myrtaceae Orchidaceae Orchidaceae Orchidaceae Orchidaceae Orchidaceae Orchidaceae Orchidaceae Cymbidium suave

Endiandra crassiflora Endiandra discolor Endiandra muelleri subsp. muelleri Endiandra virens Litsea australis Neolitsea dealbata Lomandra longifolia Lomandra multiflora subsp. multiflora Lomandra spicata Amylotheca dictyophleba Lycopodium myrtifolium Hibiscus splendens Dysoxylum rufum Synoum glandulosum subsp. glandulosum Stephania japonica var. discolor Tinospora tinosporoides* Doryphora sassafras Palmeria scandens Trimenia moorei Wilkiea huegeliana Ficus coronata Ficus watkinsiana Trophis scandens Embelia australiana Acmena smithii Angophora costata Archirhodomyrtus beckleri Backhousia myrtifolia Corymbia intermedia Eucalyptus acmenoides Eucalyptus grandis Eucalyptus microcorys Eucalyptus paniculata Eucalyptus pilularis Eucalyptus resenifera Eucalyptus saligna Eucalyptus siderophloia Gossia acmenoides Gossia bidwillii Lophostemon confertus Pilidiostigma glabrum Rhodamnia argentea Rhodamnia rubescens Syncarpia glomulifera Syzygium coolminianum Syzygium corynanthum Syzygium crebrinerve Syzygium oleosum Bulbophyllum exiguum Bulbophyllum schillerianum Bulbophyllum shepherdii Caladenia carnea Caladenia catenata Calanthe triplicata

Dorrigo Maple Rose Walnut Mueller's Walnut White Apple Brown Bolly Gum White Bolly Gum Spiny-headed Mat-rush Many-flowered Mat-rush Jungle Mat-rush **Brush Mistletoe** Tassel Fern Pink Cottonwood Hairy Rosewood Scentless Rosewood Tape Vine Arrow-head Vine Sassafras Anchor Vine Bitter Vine Veiny Wilkiea Creek Sandpaper Fig Strangler Fig Burny Vine Embelia Lilly Pilly Smooth Barked Aplle Rose Myrtle Grey Myrtle Pink Bloodwood White Mahogony Flooded Gum Tallowood Grey Ironbark Blackbutt Red Mahogony Sydney Blue Gum Northern Grey Ironbark Scub Ironwood Python Tree Brush Box Plum Myrtle Malletwood **Brush Turpentine** Turpentine Blue cherry Sour Cherry Purple Cherry Blue Lilly Pilly Creeping Orchid Red Rope Orchid Stonecrop Orchid **Pink Fingers** White Fingers Christmas Orchid Snake Orchid

Orchidaceae Passifloraceae Peperomiaceae Philydraceae Phormiaceae Picrodendraceae Piperaceae Pittosphoraceae Pittosphoraceae Poaceae Poaceae Poaceae Poaceae Polypodiaceae Polypodiaceae Polypodiaceae Polypodiaceae Polypodiaceae Proteacae Proteacae Proteacae Proteacae Ranunculaceae Restionaceae Restionaceae Restionaceae Restionaceae Restionaceae Restionaceae Rhamnaceae Rhamnaceae Rosaceae Rosaceae Rosaceae Rosaceae Rosaceae Rubiaceae Rubiaceae Rubiaceae Rutaceae Rutaceae Acronychia octandra

Dendrobium aemulum Dendrobium gracilicaule Dendrobium kingianum Dendrobium pugioniforme Dendrobium schoeninum Dendrobium speciosum Dendrobium tetragonum Erythrorchis cassythoides Liparis reflexa Plectorrhiza tridentata Pterostylis curta Rhinerrhiza divitiflora Sarcochilus falcatus Sarcochilus olivaceus Thelymitra aristata Passiflora subpeltata Peperomia tetraphylla Philydrum lanuginosum Dianella caerulea Austrobuxus swainii Piper novae-hollandiae Hymenosporum flavum Pittosporum revolutum Imperata cylindrica **Oplismenus** aemulus **Oplismenus** compositus Phragmites australis Microsorum scandens Platycerium bifurcatum Platycerium superbum Pyrrosia confluens var. confluens Pyrrosia rupestris Helicia glabriflora Orites excelsus Stenocarpus salignus Stenocarpus sinuatus Clematis glycinoides **Baloskion** pallens Baloskion tetraphyllum Eurychorda complanata Hypolaena fastigiata Leptocarpus tenax Sporadanthus interruptus Alphitonia excelsa Emmenosperma alphitonioides Rubus molluccanus var. Moluccanus Rubus molluccanus var. trilobus Rubus moorei Rubus nebulosus Rubus rosifolius Atractocarpus benthamianus Morinda jasminoides Randia benthamiana Acradenia euodiiformis

Ironbark Orchid Spotted Orchid Pink Rork Orchid Dagger Orchid Pencil Orchid Rock Lily Tree Spider Orchid Climbing Orchid Yellow Rock Orchid Tangle Orchid Blunt Greenhood Rapsy-root Orchid Orange Blossom Orchid Lawer Orchid Great Sun Orchid White Passion Fruit Four-leaved Peperomia Wooly Water Lily Rough Flax Lily Pink Cherry Pepper Vine Native Frangipani Yellow Pittosporum Blady Grass Common Reed Fragrant Fern Elk Horn Fern Stag Horn Fern Pale Oak Prickly Ash Scrub Beefwood Firewheel Tree Forest Clematis Pale Cord Rush Feather Plant Flat Cord Rush Tassel Rope Rush Slender Twine Rush **Twisting Scale Rush** Red Ash Yellow Ash Molucca Bramble Molucca Bramble Silky Bramble Green-leaved Rambler Rose-leaved Rambler Native Gardenia Jasmine Morinda Native Gardenia Bonewood Doughwood

Rutaceae	Flindersia schottiana	Bumpy Ash
Sapindaceae	Alectryon subcinereus	Wild Quince
Sapindaceae	Arytera divaricata	Rose Tamarind
Sapindaceae	Diploglottis cunninghamii	Native Tamarind
Sapindaceae	Elattostachys nervosa	Beetroot
Sapindaceae	Guioa semiglauca	Wild Quince
Sapindaceae	Jagera pseudorhus var. pseudorhus	Foambark
Sapindaceae	Mischocarpus pyriformis subsp. pyriformis	Brush Apple
Sapindaceae	Sarcopteryx stipata	Steelwood
Sapotacae	Niemeyera whitei*	Rusty Plum
Sapotacae	Pouteria australis	Black Apple
Smilaceae	Ripogonum album	White Supplejack
Smilaceae	Ripogonum discolor	Two-tone Supplejack
Smilaceae	Ripogonum fawcettianum	Small Supplejack
Smilaceae	Smilax australis	Lawer Vine
Solanaceae	Solanum mauritianum	Wild Tabacco
Sterculiaceae	Brachychiton acerifolius	Flame Tree
Sterculiaceae	Heritiera actinophylla	Black Booyong
Sterculiaceae	Heritiera trifoliolata	White Booyong
Thelypteridaceae	Christella dentata	Binung
Ulmaceae	Trema tomentosa var. viridis	Poison Peach
Umbellifera	Hydrocotyle pedicellosa	Pennywort
Urticaeae	Elatostema reticulatum	Smooth Nettle
Urticaeae	Elatostema stipitatum	Small Smooth Nettle
Verbenaceae	Clerodendrum tomentosum	Hairy Clerodendron
Verbenaceae	Lantana camara	Lantana
Violaceae	Viola hederacea	Ivy-leaved Violet
Viscaceae	Notothixos cornifolius	Kurrajong Mistletoe
Vitaceae	Cissus antarctica	Simple Water Vine
Vitaceae	Cissus hypoglauca	White-leaved Water Vine
Vitaceae	Cissus sterculiifolia	Kurrajong-leaved Grape
Vittariaceae	Vittaria elongata	Ribbon Fern
Winteraceae	Tasmannia insipida	Tasteless Peper Bush
Xanthorrhoeaceae	Xanthorrhoea macronema	Bottlebrush Grass-tree
Zamiaceae	Lepidozamia peroffskyana	Burrawang
Zingiberaceae	Alpinia caerulea	Wild Ginger

 Zingiberaceae
 Alpinia caerulea
 Wild Ginger

 * An asterisk after the name of a species indicates that the species is listed as Threatened under the NSW

 Threatened Species Conservation Act 1995.

Appendix 3 – Fauna Species recorded on or within 2km of the Reserve

Common Family Name	Family	Common Name	Scientific Name	Legal Status	Source
Platypus	Ornithorhynchidae	Platypus	Ornithorhynchus anatinus	Protected	NP Atlas
Echidnas	Tachyglossidae	Short-beaked Echidna	Tachyglossus aculeatus	Protected	NP Atlas
Dasyurids	Dasyuridae	Brush-tailed Phascogale	Phascogale tapoatafa	Vulnerable	Forests Historical Not
Bandicoots	Peramelidae	Long-nosed Bandicoot	Perameles nasuta	Protected	Forests Historical Not
Koala	Phascolarctidae	Koala	Phascolarctos cinereus	Vulnerable	Forests Biodata
Pygmy- possums	Burramyidae	Eastern Pygmy Possum	Cercartetus nanus	Vulnerable	Forests Historical Note
Possums and Gliders	Petauridae	Sugar Glider	Petaurus breviceps	Protected	Forests Historical Note
		Squirrel Glider	Petaurus norfolcensis	Vulnerable	Forests Historical Note
		Yellow- bellied Glider	Petaurus australis	Vulnerable	Forests Historical Note
Feathertail Glider	Acrobatidae	Feathertail Glider	Acrobates pygmaeus	Protected	Forests Historical Not
Ringtail Possums and Greater Glider	Pseudocheiridae	Ringtail Possum	Pseudocheirus peregrinus	Protected	Forests Historical Note
oreater onder		Greater Glider	Petauroides volans	Protected	Forests Historical Note
Brushtail Posums	Phalangeridae	Mountain Brushtail Possum	Trichosurus caninus	Protected	Forests Historical Not
		Common Brushtail	Trichosurus vulpecula	Protected	Forests Historical Not
Wallabies, Kangaroos and Tree- kangaroos	Macropodidae	Swamp Wallaby	Wallabia bicolor	Protected	NP Atlas
kaliyaloos		Red-necked Wallaby	Macropus rufogriseus	Protected	Forests Historical Not
		Red-legged Pademelon	Thylogale stigmatica	Protected	Forests Historical Not
Murid Rodents	Muridae	Bush Rat	Rattus fuscipes	Protected	Forests Historical Not
		Water-rat	Hydromys chrysogaster	Protected	Forests Historical Not
Flying Foxes, Fruit Bats, Blossom bats	Pteropodidae	Grey-headed Flying-fox	Pteropus poliocephalus	Vulnerable	NP Atlas
Dingo, Dog and Fox	Canidae	Dingo, domestic dog	Canis lupus	Unprotected	NP Atlas
		Cat	Felis catus	Unprotected	Forests Historical Not

Table 1. Mammals recorded in Bruxner Park Flora Reserve

Deer	Cervidae	Unidentified Deer	Cervus sp.	Unprotected NP Atla	s

Bruxner Park Flora Reserve Working Plan	Bruxner	Park	Flora	Reserve	Working Plan	n
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Common Family Name	Family	Common Name	Scientific Name	Legal Status	Source
Tree Frogs	Hylidae	Eastern Dwarf Tree Frog	Litoria fallax	Protected	Forests Historical Notes
		Green Tree Frog	Litoria caerulea	Protected	Forests Historical Notes
		Red-eyed Tree Frog	Litoria chloris	Protected	NP Atlas
		Dainty Green Tree Frog	Litoria gracilenta	Protected	Forests Historical Notes
		Broad-palmed Frog	Litoria latopalmata	Protected	Forests Historical Notes
		Lesueur's Frog	Litoria lesueuri	Protected	NP Atlas
		Rocket Frog	Litoria nasuta	Protected	Forests Historical Notes
		Ornate Burrowing Frog	Litoria ornatus	Protected	Forests Historical Notes
		Peron's Tree Frog	Litoria peronii	Protected	NP Atlas
		Leaf-green Tree Frog	Litoria phyllochroa	Protected	NP Atlas
		Tyler's Tree Frog	Litoria tyleri	Protected	NP Atlas
		Spotted Marsh Frog	Limnodynastes tasmaniensis	Protected	Forests Historical Notes
Ground & Burrowing Frogs	Myobatrachidae	Tusked Frog	Adelotus brevis	Protected	NP Atlas
		Great Barred Frog	Mixophyes fasciolatus	Protected	NP Atlas
		Giant Barred Frog	Mixophyes iteratus	Endangered	NP Atlas
		Brown Toadlet	Pseudophryne bibronii	Protected	Forests Historical Notes
		Red-backed Toadlet	Pseudophryne coriacea	Protected	NP Atlas

Table 2. Frogs recorded in Bruxner Park Flora Reserve

Common Family Name	Family	Common Name	Scientific Name	Legal Status	Source
Geckos	Gekkonidae	Northern Leaf-tailed Gecko	Phyllurus cornutus		
Snake Lizards	Pygopodidae	Burton's Snake-lizard	Lialis burtonis	Protected	NP Atlas
	i ygopodidae				Forests Historical Note
		Common Scaly-foot	Pygopus lepidopodus	Protected	
Goannas	Varanidae	Lace Monitor	Varanus varius	Protected	Forests Historical Note
Dragons	Agamidae	Southern Angle-headed Dragon	Hypsilurus spinipes	Protected	Forests Historical Note
		Eastern Water Dragon	Physignathus lesueurii	Protected	NP Atlas
		Eastern Bearded Dragon	Pogona barbata	Protected	Forests Historical Not
Skinks	Scincidae	Major Skink	Bellatorias frerei	Protected	NP Atlas
		Red-tailed Calyptotis	Calyptotis ruficauda	Protected	NP Atlas
		Land Mullet	Egernia major	Protected	Forests Historical Not
		Murray's Skink	Eulamprus murrayi	Protected	NP Atlas
		Pink-tongued Skink	Hemisphaeriodon	Protected	Forests Historical Not
		Dark-flecked Garden Sunskink	gerrardii Lampropholis delicata	Protected	NP Atlas
		Short-limbed Snake-skink	Ophioscincus truncatus	Protected	NP Atlas
		Three-toed Skink	Saiphos equalis	Protected	NP Atlas
		A Skink	Saproscincus challengeri	Protected	Forests Historical Not
		Weasel Skink	Saproscincus mustelina	Protected	Forests Historical Not
		Pale-lipped Shadeskink	Saproscincus spectabilis	Protected	NP Atlas
		Eastern Blue-tongue	Tiliqua scincoides	Protected	NP Atlas
Blind or Worm Snakes	Typhlopidae	A Blind Snake	Ramphotyphlops nigrescens	Protected	Forests Historical Not
		A Blind Snake	Ramphotyphlops proximus	Protected	Forests Historical Not
Pythons	Boidao	Carpet & Diamond Duthons		Protoctod	ND Atlac
ryulous	Boidae	Carpet & Diamond Pythons	Morelia spilota	Protected	NP Atlas
Colubrid Snakes	Colubridae	Brown Tree Snake	Boiga irregularis	Protected	NP Atlas
		Green Tree Snake	Dendrelaphis punctulatus	Protected	Forests Historical No
Elapid Snakes	Elapidae	Krefft's Dwarf Snake	Cacophis krefftii	Protected	Forests Historical Not
		Golden-crowned Snake	Cacophis squamulosus	Protected	NP Atlas
		Eastern Small-eyed Snake	Cryptophis nigrescens	Protected	NP Atlas
		Yellow-faced Whip Snake	Demansia psammophis	Protected	NP Atlas
		Marsh Snake	Hemiaspis signata	Protected	Forests Historical No
		Stephens' Banded Snake	Hoplocephalus stephensii	Vulnerable	NP Atlas
		Red-bellied Black Snake	Pseudechis porphyriacus	Protected	Forests Historical No
		Rough-scaled Snake	Tropidechis carinatus	Protected	NP Atlas
		Bandy Bandy	Vermicella annulata	Protected	Forests Historical No

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Common Family Name	Family	Common Name	Scientific Name	Legal Status	Source
Mound-builders	Megapodiidae	Australian Brush-turkey	Alectura lathami	Protected	NP Atlas
Herons, Egrets & Bitterns	Ardeidae	White-faced Heron	Ardea novaehollandiae	Protected	Forests Historical Notes
Kites, Hawks, Eagles & Harriers	Accipitridae	Collared Sparrowhawk	Accipiter cirrhocephalus	Protected	Forests Historical Notes
		Grey Goshawk	Accipiter novaehollandiae	Protected	NP Atlas
		Brown Goshawk	Accipiter fasciatus	Protected	Forests Historical Notes
		Pacific Baza	Aviceda subcristata	Protected	NP Atlas
		Little Eagle	Hieraaetus morphnoides	Vulnerable	Forests Historical Notes
		White-bellied Sea-eagle	Hieraaetus leucogaster	Protected	Forests Historical Notes
		Wedge-tailed Eagle	Aquila audax	Protected	Forests Historical Notes
Falcons & Kestrels	Falconidae	Brown Falcon	Falco berigora	Protected	Forests Historical Notes
Button-quails	Turnicidae	Painted Button-quail	Turnix varia	Protected	Forests Historical Notes
Pigeons & Doves	Columbidae	Emerald Dove	Chalcophaps indica	Protected	Forests Historical Notes
		White-headed Pigeon	Columba leucomela	Protected	NP Atlas
		Bar-shouldered Dove	Geopelia humeralis	Protected	Forests Historical Notes
		Wonga Pigeon	Leucosarcia picata	Protected	NP Atlas
		Topknot Pigeon	Lopholaimus antarcticus	Protected	NP Atlas
		Brown Cuckoo-Dove	Macropygia amboinensis	Protected	NP Atlas
		Wompoo Fruit-Dove	Ptilinopus magnificus	Vulnerable	NP Atlas
		Rose-crowned Fruit-Dove	Ptilinopus regina	Vulnerable	NP Atlas
Cockatoos	Cacatuidae	Yellow-tailed Black-Cockatoo	Calyptorhynchus funereus	Protected	NP Atlas
		Glossy Black-Cockatoo	Calyptorhynchus lathami	Vulnerable	Forests Historical Notes
Parrots, Lorikeets &	Psittacidae	Australian King-Parrot	Alisterus scapularis	Protected	NP Atlas
Rosellas		Musk Lorikeet	Glossopsitta concinna	Protected	NP Atlas
		Little Lorikeet	Glossopsitta pusilla	Vulnerable	Forests Historical Notes
		Crimson Rosella	Platycercus elegans	Protected	NP Atlas
		Eastern Rosella	Platycercus eximius	Protected	Forests Historical Notes
		Scaly-breasted Lorikeet	Trichoglossus	Protected	NP Atlas
		Rainbow Lorikeet	chlorolepidotus Trichoglossus	Protected	NP Atlas
			haematodus		
Cuckoos	Cuculidae	Fan-tailed Cuckoo	Cacomantis flabelliformis	Protected	NP Atlas
		Brush Cuckoo	Cacomantis variolosus	Protected	NP Atlas
		Pheasant Coucal	Centropus phasianinus	Protected	NP Atlas
		Horsfield's Bronze-Cuckoo	Chalcites basalis	Protected	NP Atlas
		Shining Bronze-Cuckoo	Chalcites lucidus	Protected	NP Atlas

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		Koel	Eudynamys scolopacea	Protected	Forests Historical Notes
		Channel-billed Cuckoo	Scythrops novaehollandiae	Protected	Forests Historical Notes
Hawk Owls	Strigidae	Barking Owl	Ninox connivens	Vulnerable	Forests Historical Notes
		Southern Boobook	Ninox novaeseelandiae	Protected	NP Atlas
		Powerful Owl	Ninox strenua	Vulnerable	Forests Historical Notes
Masked Owls	Tytonidae	Masked Owl	Tyto novaehollandiae	Vulnerable	Forests Historical Notes
		Sooty Owl	Tyto tenebricosa	Vulnerable	NP Atlas
Frogmouths	Podargidae	Tawny Frogmouth	Podargus strigoides	Protected	Forests Historical Notes
Owlet-Nightjars	Aegothelidae	Australian Owlet-nightjar	Aegotheles cristatus	Protected	NP Atlas
Nightjars	Caprimulgidae	White-throated Nightjar	Eurostopodus mystacalis	Protected	Forests Historical Notes
Swifts	Apodidae	White-throated Needletail	Hirundapis	Protected	Forests Historical Notes
			caudacutus		
Kingfishers &	Alcedinidae	Azure Kingfisher	Ceyx azureus	Protected	NP Atlas
Kookaburras		Laughing Kookaburra	Dacelo novaeguineae	Protected	NP Atlas
		Forest Kingfisher	Todiramphus	Protected	Forests Historical Notes
		Sacred Kingfisher	macleayii Todiramphus sanctus	Protected	NP Atlas
		3 1 1	,		
Rollers	Coraciidae	Dollarbird	Eurystomus orientalis	Protected	NP Atlas
Pittas	Pittidae	Noisy Pitta	Pitta versicolor	Protected	NP Atlas
Lyrebirds	Menuridae	Superb Lyrebird	Menura	Protected	NP Atlas
			novaehollandiae		
Treecreepers	Climacteridae	White-throated Treecreeper	Cormobates	Protected	NP Atlas
			leucophaea		
Fairy-wrens	Maluridae	Variegated Fairy-wren	Malurus lamberti	Protected	NP Atlas
		Superb Fairy-wren	Malurus cyaneus	Protected	Forests Historical Notes
		Red-backed Fairy-wren	Malurus	Protected	Forests Historical Notes
			melanocephalus		
Pardolotes,	Pardalotidae	Spotted Pardalote	Pardalotus punctatus	Protected	NP Atlas
Scrubwrens &			. ardarotas puriotatas	. 10100104	
Thornbills		Striated Pardalote	Pardalotus striatus	Protected	Forests Historical Notes
		Striated Thornbill	Acanthiza lineata	Protected	NP Atlas
		Yellow Thornbill	Acanthiza nana	Protected	Forests Historical Notes
		Brown Thornbill	Acanthiza pusilla	Protected	NP Atlas
		Brown Gerygone	Gerygone mouki	Protected	NP Atlas
		Yellow-throated Scrubwren	Sericornis	Protected	NP Atlas
		White-browed Scrubwren	citreogularis Sericornis frontalis	Protected	NP Atlas

		Lange bills d C	O a mila a mula	Durite t	
		Large-billed Scrubwren	Sericornis magnirostra	Protected	NP Atlas
Honeyeaters	Meliphagidae	Eastern Spinebill	Acanthorhynchus tenuirostris	Protected	NP Atlas
		Yellow-faced Honeyeater	Lichenostomus chrysops	Protected	NP Atlas
		Lewin's Honeyeater	Meliphaga lewinii	Protected	NP Atlas
		Scarlet Honeyeater	Myzomela sanguinolenta	Protected	NP Atlas
		Noisy Friarbird	Philemon corniculatus	Protected	NP Atlas
Robins	Petroicidae	Eastern Yellow Robin	Eopsaltria australis	Protected	NP Atlas
		Rose Robin	Petroica rosea	Protected	Forests Historical Notes
		Pale-yellow Robin	Tregellasia capito	Protected	NP Atlas
Logrunner	Orthonychidae	Logrunner	Orthonyx temminckii	Protected	NP Atlas
Whipbirds & Quail- thrush	Cinclosomatidae	Eastern Whipbird	Psophodes olivaceus	Protected	NP Atlas
Whistlers & Shrike-	Pachycephalidae	Grey Shrike-thrush	Colluricincla	Protected	NP Atlas
thrush	T achycophalidae		harmonica		
		Little Shrike-thrush	Colluricincla megarhyncha	Protected	NP Atlas
		Eastern Shrike-tit	Falcunculus frontatus frontatus	Protected	NP Atlas
		Golden Whistler	Pachycephala pectoralis	Protected	NP Atlas
		Rufous Whistler	Pachycephala rufiventris	Protected	Forests Historical Notes
Monarchs, Flycatchers &Fantails	Dicruridae	Spangled Drongo	Dicrurus bracteatus	Protected	NP Atlas
arunano		Magpie-lark	Grallina cyanoleuca	Protected	Forests Historical Notes
		Black-faced Monarch	Monarcha melanopsis	Protected	NP Atlas
		Spectacled Monarch	Monarcha trivirgatus	Protected	NP Atlas
		Grey Fantail	Rhipidura albiscapa	Protected	NP Atlas
		Rufous Fantail	Rhipidura rufifrons	Protected	NP Atlas
Cuckoo-shrikes &	Campephagidae	Black-faced Cuckoo-shrike	Coracina	Protected	NP Atlas
Trillers		Cicadabird	novaehollandiae Coracina tenuirostris	Protected	NP Atlas
		Varied Triller	Lalage leucomela	Protected	NP Atlas
Orioles & Figbirds	Oriolidae	Olive-backed Oriole	Oriolus sagittatus	Protected	NP Atlas
		Australasian Figbird	Sphecotheres vieilloti	Protected	NP Atlas
Woodswallows, Butcherbirds & Currawongs	Artamidae	Grey Butcherbird	Cracticus torquatus	Protected	Forests Historical Notes
		Magpie	Gymnorhina tibicen	Protected	Forests Historical Notes
		Pied Currawong	Strepera graculina	Protected	Forests Historical Notes
Paradise Riflebird	Paradisaeidae	Paradise Riflebird	Ptiloris paradiseus	Protected	Forests Historical Notes

Ravens & Crows	Corvidae	Torresian Crow	Corvus orru	Protected	NP Atlas
Bowerbirds	Ptilonorhynchidae	Green Catbird	Ailuroedus crassirostris	Protected	NP Atlas
		Satin Bowerbird	Ptilonorhynchus violaceus	Protected	NP Atlas
		Regent Bowerbird	Sericulus chrysocephalus	Protected	NP Atlas
Finches	Passeridae	Red-browed Finch	Neochmia temporalis	Protected	NP Atlas
Mistletoebird	Dicaeidae	Mistletoebird	Dicaeum hirundinaceum	Protected	NP Atlas
Swallows & Martins	Hirundinidae	Welcome Swallow	Hirundo neoxena	Protected	Forests Historical Notes
White-eyes	Zosteropidae	Silvereye	Zosterops lateralis	Protected	NP Atlas