

PROPOSED CHANGES TO THREATENED SPECIES LICENCES FOR EASTERN NSW.

North East Forest Alliance, June 2017

This summary of proposed changes in the general landscape and threatened species provisions of the Threatened Species Licences (TSLs) for Upper North East, Lower North East, Southern and Eden Integrated Forestry Operational Approval (IFOA) regions is based on draft documents obtained by NEFA, and only represents decisions up until that time. These TSLs are to be combined into one for the new coastal IFOA. There may have been subsequent changes, and some provisions were only tentative, though at this stage it is likely to fairly accurately identify the intended outcomes.

Perhaps the most significant change to the IFOAs will be the intensification of logging in most coastal forests. The Forestry Corporation have been rorting the definition of selective logging in the current IFOAs for the past decade, the proposed changes will entrench this intensified logging throughout coastal forests. The intent is to retain the Eden alternate coupe clearfelling regime and expand it to a new 140,000 ha North Coast Intensive Zone, where alternative coupes of 50-80ha are virtually clearfelled at 5-10 year intervals.

The most significant change in the TSLs is the removal of the need to undertake pre-logging surveys for most threatened species and the removal of most species-specific exclusions and modified logging requirements around records. This will make numerous existing species-specific exclusion areas available for logging. The proposal is also to reduce riparian buffers on first order streams from 10m to 5m, and to move the measurement of buffers from the top of the bank to the centre of streams, significantly increasing riparian areas available for logging. Taken together these will make large areas of forests protected for decades available for logging. This follows significant releases of once protected habitat by changes to the TSLs in 2013 (ie removal of exclusion zones for Large-footed Myotis, White-Crowned Snake and Pale-headed Snake, and reduced exclusion zones for Hastings River Mouse from up to 200ha down to 12ha).

After the introduction of the Endangered Fauna (Interim Protection) Act 1991 the then Forestry Commission were issued with interim licences for taking or killing threatened species. It took years of lobbying and blockades to get species-specific requirements added to the licences, with the hardest battle being to get requirements to look before they log. It wasn't until 1997 that comprehensive licences were issued, including detailed requirements for pre-logging surveys. The Upper North East TSL notes "*An integral part of the licence is the requirement for [the Forestry Corporation] to conduct operational and pre-logging and pre-roading surveys to assess presence of species requiring species-specific or site-specific conditions*". This will no longer be the case.

As identified by the General Purpose Standing Committee No. 5 (2015) inquiry into The performance of the NSW Environment Protection Authority in relation to Royal Camp State Forest (8.21):

The EPA identified the root cause of the breaches to be the Corporation's failure to undertake searches for evidence of koalas – 'that is, if you don't look, you don't find and if you don't find, you don't protect'

Now there will be no requirements to look, find or protect most threatened species, including Koalas.

In 2013 the then NSW Environment Minister, Robyn Parker (Letter to NCC, 29 October 2013) assured conservation groups of the Government's commitment to "*maintaining or improving environmental values through the remake of the coastal IFOAs*", advising that there would be "*no erosion of environmental outcomes*". In 2014 then NSW Environment Minister, Rob Stokes (Letter to NCC, 22 September 2014), reiterated "*the Government is committed to ensuring the IFOA is remade with no erosion of environmental values*". In 2016 the then NSW Environment Minister, Mark Speakman (Letter to NCC, 20 May 2016) stated that he was "*advocating strongly to ensure that there is no erosion of environmental values*".

Despite this succession of promises, there can be no doubt that the changes to the IFOA revealed to date do represent a significant reduction in environmental protections that will inevitably cause an erosion of environmental values as logging proceeds across the forest estate.



Fleay's Barred Frog is one of 3 species of barred frogs that currently require 30m exclusion areas on all streams (measured from the top of bank) within 200m of records. This nationally endangered species is known to forage widely in leaf litter away from streams and to be threatened by logging. It is one of those species proposed to lose all protection, including all existing exclusion areas. (Photo Dailan Pugh, Koreelah State Forest).

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1. LANDSCAPE EXCLUSIONS

The landscape exclusions of rainforest, oldgrowth, other FMZ2, rare non-commercial forest types, ridge and headwater habitat, and heath and scrub will be retained. Wetlands and rock outcrops will be retained as exclusions subject to *"review and refine definitions"*.

One of the most significant changes will be to riparian buffers. Currently stream buffers are based on "stream order" derived from old mapping, where half the headwater streams remained "unmapped". Streams have been remapped using Lidar (which is more accurate) and are to be reclassified on a catchment basis: <20ha, 20-100ha, 100-400ha and >400ha, with corresponding buffers of 5m, 20m, 30m and 50m respectively. Most 1st order and previously "unmapped" streams are in catchments <20ha, so existing 10m protections for first order streams will mostly be reduced to 5m. It seems that 10m buffers will still apply to both first order and unmapped streams in the Eden and Tumut areas and the new "North Coast Intensive Zone". There is also an intent to measure exclusion zones from the centre of streams rather than the top of banks, which will result in greatly reduced buffers on larger streams. This will be a resource bonanza for the loggers, though it will come at significant environmental cost.

Some 15 Threatened Ecological Communities (TECs) have been mapped and will presumably be excluded, *"unless an Ecological Harvest Plan approved by the EPA/DPI Fisheries is applied or if specifically exempted under various licence protocols"*. It is unknown which TECs will be opened up for logging and what will happen to unmapped TECs.

The need to retain up to 5 hollow-bearing trees and 5 recruitment trees per hectare will be maintained in a modified form. The requirements to retain 8 hollow-bearing trees per hectare where more than one Greater Glider per hectare exists within 3km of a Powerful Owl record or 5km of a Tiger Quoll record (south), will be replaced with a general requirement to retain 8 hollow-bearing trees per hectare in the non-regrowth zone. "Giant Trees" >1.5m diameter will need to be retained. There will also be a requirement to protect 5 eucalypt or casuarina feed trees per hectare (with reduced selection criteria).

Logging intensity is proposed to be dramatically increased across coastal forests. Eden is to retain the current alternative coup regime, and this will be expanded to the north coast with a new 140,000 ha North Coast Intensive Zone from Grafton to Taree, where alternative coupes of 50-80ha are virtually clearfelled at 5-10 year intervals. For the rest of the coastal forests the intent is to remove the requirements to retain 60% of tree basal area and limit clearfells to 0.25 hectares, replacing these with a requirement to retain a minimal basal area averaging somewhere between 10-16 square metres (likely 12) per hectare, with few limits on the extent of clearfelled patches. It seems the only silvicultural limit in the non-regrowth zone will be a basal area retention of 16m² per hectare.

The intent is to compensate for the loss of species-specific exclusions and modified logging by creating "wildlife clumps" >0.1 ha, with the average size >0.5 ha, encompassing some 1-2% of the net logging area. These are to be located at least 100m from riparian and other exclusion areas. Unlike current exclusions they can be used to meet tree retention requirements. They will be selected by the Forestry Corporation according to unidentified guidelines and are unlikely to provide any meaningful protection.

2. THREATENED FAUNA PRESCRIPTIONS

There are currently some 87 species and populations of animals that require surveys and the implementation of species specific protections under the Threatened Species Licences for Upper North East (UNE), Lower North East (LNE), Southern and Eden IFOAs. Survey requirements are to be drastically reduced.

Protection for 24 of these species are limited to buffers around nests (18 birds) and roosts (6 bats), which will be retained, though are rarely found, and are even less likely to be found with the significantly reduced survey effort. A further 6 birds require nest protection as well as other measures.

Of the remaining 63 species and populations with species specific prescriptions (Appendix 1), some 14 are to retain their current protection, 26 are to have their protection significantly reduced and 23 are to have their species-specific protection removed.

There will only be species specific prescriptions potentially requiring surveys for Rufous Scrub Bird, Alberts Lyrebird, Pouched Frog, Sphagnum frogs (*Phyllorhina* sp.), Spotted-tailed Quoll, and wombat (reduced area). The proposal for Hastings River Mouse retains 12ha protection (which can be moved between loggings) though seems to focus on modelled habitat and microhabitat while not specifying survey requirements. Increased riparian protection is required for Boorolong Frog and Northern Corroboree Frog in specific areas. Species specific management plans are relied upon for Giant Burrowing Frog. Southern Brown Bandicoot, Yellow-bellied Glider (Bago Plateau only), and Smoky Mouse.

Animal species that are intended to have all species-specific protection removed are Broad-toothed Rat, Golden-tipped Bat, Marbled Frogmouth, Black-breasted Button-quail, Coxen's Fig Parrot, Red Goshawk, Fleay's Barred Frog, Giant Barred Frog, Stuttering Frog, Green and Golden Bell Frog, Red-crowned Toadlet and Green-thighed Frog, including all exclusion zones identified in surveys over the past 20 years.

Modified logging requirements in the vicinity of specific species will also be removed for Black-striped Wallaby, Yellow-bellied Glider (most areas), Eastern Pygmy Possum, Common Blossom Bat, Red Goshawk, Rosenberg's Monitor, and Stephens Banded Snake.

For Koalas in north-east NSW, the documents identify that survey effort for Koalas will be "*reduced*" and that future prescriptions are "*to be developed*". A proposal is to retain all feed trees in modelled high quality habitat and 6 feed trees per hectare in modelled moderate habitat, with no scat searches or protection for Koala High Use Areas.

Both Squirrel Glider and Brush-tailed Phascogale will be allowed to keep their existing exclusion zones (8 and 20ha respectively) identified in pre-logging surveys, though no new ones will be able to be added. Many other species will have their protections reduced in various ways, such as protection for wombat burrows in northern areas being moved from north of the Oxley Highway near Walcha to north of the Waterfall Way near Dorrigo, exclusions around maternal dens and latrines of Spotted-tailed quolls in northern areas being reduced from 12ha to 3ha, and the Forestry Corporation having the option of protecting 20m around rainforest or riparian areas rather than surveying for and establishing 50m exclusion zones around records of Sphagnum Frog, *Phyllorhina richmondensis*, *Phyllorhina pughii*, Mountain Frog, Loveridge's Frog, and Pouched Frog.

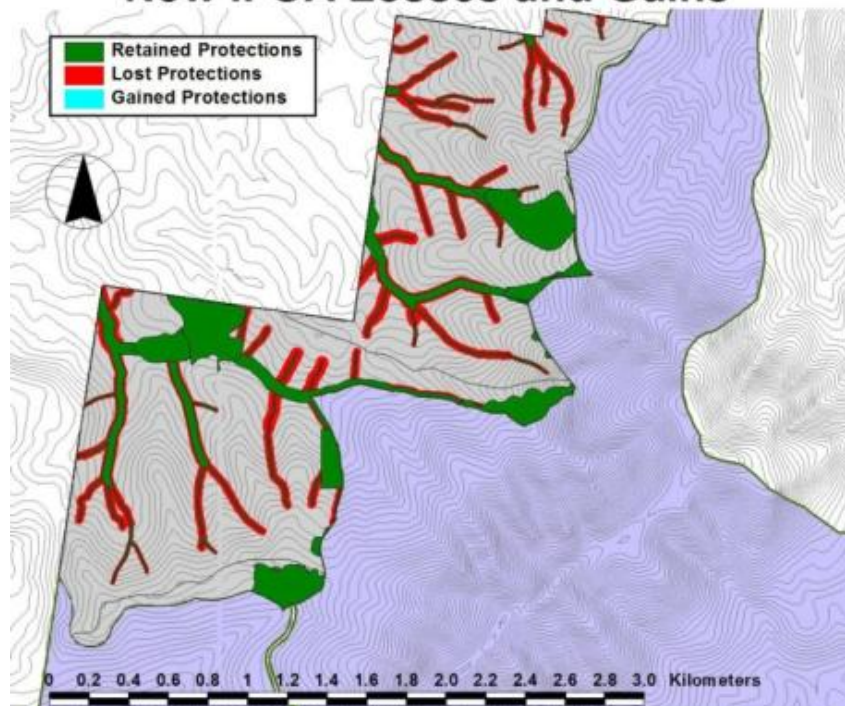
There is a particular focus on removing requirements for increased protection of riparian habitat, with removal or reduction of the requirements for increased protection of riparian habitat for 17 animal species.

For example in June 2013 NEFA asked the EPA to require surveys for the nationally Endangered Fleay's Barred Frog and NSW Vulnerable Marbled Frogmouth in compartment 30 of Koreelah State Forest, given they had been recorded in the adjacent compartment 31. The EPA maintained that the Forestry Corporation had met their survey obligations. In August NEFA gave up asking and undertook surveys themselves in compartment 30, recording 4 Endangered Fleay's Barred Frog and 3 Vulnerable Marbled Frogmouths, along with one Sooty Owl and 2 Yellow-bellied Gliders.. The Marbled Frogmouth required buffers on first order streams to be increased from 10 to 20m, and on second order streams to be increased from 20 to 30m, within the compartment. Fleay's Barred Frog required 30m buffers be placed on all streams within 200m of records.

Along with requirements for Marbled Frogmouth and Fleay's Barred Frog, a record of a Golden-tipped Bat in compartment 31 required buffers on first and second order streams to be increased to 30m within 200m. Records of Eastern Freshwater Cod downstream also required "unmapped" drainage lines to be protected with 10m buffers.

When these compartments (totalling 397ha) were logged under existing rules in 2013 the total area excluded from logging due to TSL requirements was 165ha (42%). With application of the proposed reduced stream buffers, coupled with removal of all protection for Marbled Frogmouth, Fleay's Barred Frog and Golden-tipped Bat, the area excluded from logging under the new rules reduces down to 73ha (18%). This is a loss of protection for 92ha of riparian habitat known to be occupied by 3 threatened species identified as particularly vulnerable to logging and known to forage widely near streams. There will also be a loss of modified logging required around numerous records of the Yellow-bellied Glider.

Koreelah State Forest, cmpts 30,31&32 New IFOA Losses and Gains



3. PLANT PRESCRIPTIONS

In the Threatened Species Licences for Upper North East (UNE), Lower North East (LNE), Southern and Eden IFOAs there are currently 428 threatened plant species or distinct populations that require pre-logging surveys and the implementation of prescriptions if found (Appendix 2). An "*integral part of the licence*" is for pre-logging and pre-roading surveys and compartment mark-up surveys for threatened plants to be undertaken by suitably experienced and trained people, with minimum survey effort and required surveyor experience specified.

Proposed changes to current prescriptions in eastern NSW.

Current Prescription	No. species/pops	Proposed Changes (no. species/pops)			
		Prescription Retained (?)	Protection Reduced	Protection Removed	Survey still Required
Protect 90-100% individuals	60	12	2	46	2
Establish 20m exclusion zone 90-100% individuals.	186	39	14	133	9
Establish 10m exclusion and 10m buffer, 100% individuals	80	17	4	59	5
Establish 50m exclusion 90-100% individuals	91		12	79	1
Prepare Management Plan	11	2		9	
TOTALS	428	77	32	326	17

The proposal is to remove the need to survey for or protect most threatened plant species, with protection being removed from 76% of threatened plants, leaving some 102 species requiring some form of protection, with it already evident that prescriptions will be reduced for at least 31% of these. Strangely it is those species identified as requiring the highest level of protection - 50m exclusion zones - that will be most significantly affected, with 87% having all protection removed and the 12 species to maintain some protection will all have their protection reduced (exclusion zones reduced to 20m, with some limited to near roading).

Though reduction in protection for threatened plants will effectively be far greater than these statistics indicate because there will no longer be a requirement to undertake pre-logging and pre-roading surveys to identify most threatened plants. Surveys will only be required for 17 species at a limited number of locations. Experience shows that most locations for individual threatened plants have not been identified, meaning that relying on existing records effectively removes protection from most individuals.

It took years of effort for NEFA to convince the NSW Government of the need for pre-logging surveys for threatened plants. In 1995, after State Forests had undertaken its pre-logging assessments of compartment 79 of Whian Whian State Forest, and after logging had commenced, an assessment by conservationists found a new population of Minyon Quandong (*Elaeocarpus* sp. "*minyon*") within the logging area. Until then it was only known by one individual. Further investigations revealed a population of 30 individuals.

After conservationists stopped logging in compartment 79, State Forests shifted logging to compartment 61 of the adjacent Nullum State Forest where protests by concerned locals once again stopped logging. A subsequent inspection of that area (Pugh 1995) found that State Forests had unwittingly shifted operations into the middle of an even larger population of Minyon Quandong, killing or severely damaging fifty seven Minyon Qandong and moderately damaging a further 3. Nineteen appeared to have been directly damaged by machinery, 38 by having trees dropped on them (including where trees were dropped across creeks) and 3 had been felled with a chainsaw (for no apparent reason).

On 9 November 1995 NEFA called “upon the public to go out into the forests and peacefully stop all logging in the Murwillumbah Management Area until such time as the Government takes action to stop the wanton vandalism being practiced by State Forests”. Blockades followed in Mebbin and Wollumbin State Forests and all logging operations in the Murwillumbah Management Area were stopped.

Subsequent negotiations with the Minister for Forests in December 1995 reached an agreement that pre-logging flora and fauna surveys would be undertaken throughout the Murwillumbah Management Area and that a Harvest Planning Advisory Panel for the Management Area would be established. The Forestry Corporation immediately broke the agreement by logging in habitat of threatened plants outside agreed areas in Wollumbin SF.

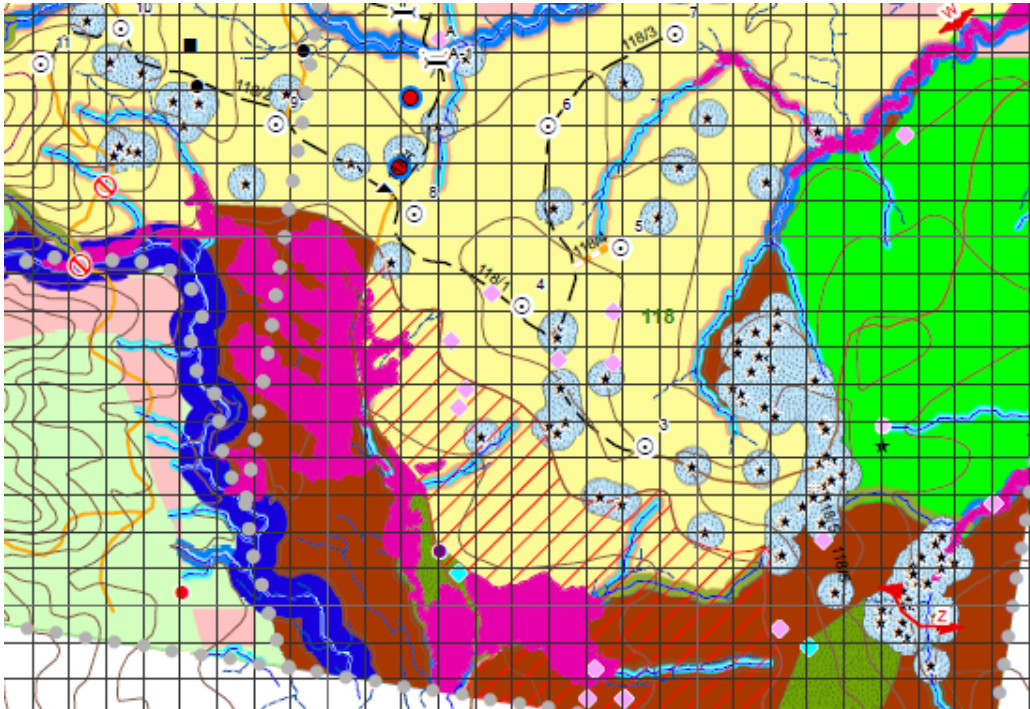
The flora surveys proved their worth when the Narrow-leaf Melichrus (*Melichrus sp.* Gibberagee) was discovered during pre-logging surveys in Gibberagee State Forest in 1997. It is only known from a single population in compartment 118, Gibberagee State Forest, and adjacent private property, about 40 km south of Casino. The entire population occurs over an area of around 1 km².

The Forestry Corporation identified an exclusion zone for Narrow-leaf Melichrus, and they were told not to reopen a road through the exclusion area, so they did, eliminating 23 Narrow-leaf Melichrus and damaging another 7 in the process. They also left numerous plants out of the exclusion area, which they were told to place 10m buffers around, in 1998 NEFA documented 194 individuals that had disturbance (tree heads and machinery disturbance) within 10m of them.

Narrow-leaf Melichrus is now listed under both State and Federal legislation as Endangered and requires a 50m exclusion zone be created around it. The Forestry Corporation are once again logging in Gibberagee SF, though have had to undertake pre-logging surveys, identifying some 120 Narrow-leaf Melichrus (where their harvesting plan only had one record) which they have had to establish 50m exclusion zones around. The exclusion zones identified total 42ha, though an additional 40ha was excluded due to inaccessibility and the likely presence of more individuals. They are once again illegally re-opening roads through their exclusion zones and logging into their boundaries, though at least large areas of habitat have survived (Pugh 2017).

This protection was only applied because NEFA have had a concerted campaign to enforce Threatened Species Licence requirements over the past 7 years, repeatedly exposing cases where surveys were not being undertaken and exclusion areas around threatened plants were not being applied, for example around the endangered Slender Screw Fern in Doubleduke State Forest and the vulnerable Onion Cedar in Cherry Tree State Forest.

Unfortunately Narrow-leaf Melichrus is one of those species that the EPA and Forestry are claiming as "adequately protected" and so are going to remove any need for pre-logging surveys or buffers. Once the new rules are adopted the Forestry Corporation will be able to return and log the current exclusion zones.



Extract from Harvesting Plan for Compartment 118 Gibberagee SF showing 50m exclusion zones (stippled blue circles) around records of the nationally Endangered Narrow-leaf Melichrus. It is one of those species proposed to lose all protection, including all these existing exclusion areas.



The nationally Endangered Narrow-leaf Melichrus is only known from compartment 118 of Gibberagee SF and adjoining private lands. Both logging and roading are identified threats. It was first discovered in a TSL pre-logging survey. (Photo Dailan Pugh)

APPENDIX 1. SPECIFIC CHANGES TO FAUNA
PRESCRIPTIONS (excluding nests and roosts)

Common Name	NSW Region	Current Prescription	Proposed Prescription
Albert's Lyrebird	North	300m record - 20m 1st order streams, 30m 2nd order. Nest 100m	20m stream buffers within 300m of record, or 20 m rainforest exclusion in known localities. Nest 100m
Barking Owl	All	Nest 50m, Roost 30m, Current Mapped EZ	Nest 50m, Roost 30m, Current Mapped EZ
Black-chinned Honeyeater	All	10 euc. Feed trees/2ha, active feed trees, Nest 20m	Nest 20m
Glossy Black-Cockatoo	All	Nest 50m, Active Feed trees	Nest 50m, Feed trees.
Powerful Owl	All	Nest 50m, Roost 30m, Current Mapped EZ	Nest 50m, Roost 30m, Current Mapped EZ
Regent Honeyeater	All	10 euc. Feed trees/2ha, active feed trees, Nest 20m	Nest 20m
Common Blossom Bat	North	Modelled habitat-retain >75% Banksia/Melaleuca/Grevillea/Callistemon	Adequately Protected
Golden-tipped Bat	All	200m record-30m 1st/2nd order streams	Adequately Protected
Black-breasted Button-quail	North	Site Specific Condition	Adequately Protected
Black-throated Finch	North	Site Specific Condition	Site Specific Conditions
Coxen's Fig-Parrot	North	Site Specific Condition	Adequately Protected
Eastern Bristlebird	South	Site Specific Condition	Adequately Protected
Eastern Bristlebird	North	Site Specific Condition	Site Specific Conditions
Marbled Frogmouth	North	Compartment - 20m 1st order, 30m second order	Adequately Protected
Masked Owl	All	Nest 50m, Roost 30m, Current Mapped EZ	Nest 50m, Roost 30m, Current Mapped EZ
Red Goshawk	North	Site Specific Condition	
Red-tailed black cockatoo	North	Site Specific Condition	Site Specific Conditions
Rufous Scrub-bird	North	300m record- all microhabitat plus 20m buffer	Retain
Swift Parrot	All	10 euc. Feed trees/2ha, active feed trees	Adequately Protected
Boorolong Frog	South	Site Specific Condition	Additional creek exclusions in Maragle catchment
Fleay's Frog / Fleay's Barred Frog	North	200m of record - 30m stream buffers	Adequately Protected

Giant Barred Frog	All	200m of record - 30m stream buffers	Adequately Protected
Giant Burrowing Frog	South (SMP area)	Species Management Plan (SMP)	SMP
Giant Burrowing Frog	All (outside SMP)	500m of record (78ha), LNE Monitoring Program,	Adequately Protected
Green and Golden Bell Frog	All	50m records/dams/wetlands	Adequately Protected
Green-thighed Frog	North	30m records/breeding site	Adequately Protected
Littlejohn's Tree Frog	North	50m records/dams/wetlands	Adequately Protected
Littlejohn's Tree Frog	South	50m records/dams/wetlands	Site Specific Conditions
Loveridge's Frog	North	50m records	Mapped EZ, of 50m of record or 20m riparian and wetland buffers in modelled habitat.
Mountain Frog	North	50m records	Mapped EZ, of 50m of record or 20m riparian and wetland buffers in modelled habitat.
Peppered Frog	North	Site Specific Condition	Site Specific Conditions
Philoria pughi	North	50m records	Mapped EZ, of 50m of record or 20m riparian and wetland buffers in modelled habitat.
Philoria richmondensis	North	50m records	Mapped EZ, of 50m of record or 20m riparian and wetland buffers in modelled habitat.
Pouched Frog	North	50m records	50m records, or 20m rainforest
Red-crowned Toadlet	All	Site Specific Condition (south)	
Sphagnum Frog	North	50m records	Mapped EZ
Stuttering Frog (north)	North	200m of record - 30m stream buffers	Adequately Protected
Stuttering Frog	South	1000m of record - 300m buffer on stream recorded on, 30m on all connected mapped streams	Site Specific Conditions
Stuttering Frog	South (Eden)	200ha around record	Site Specific Conditions
Yellow-spotted Tree Frog	All	Site Specific Condition	Site Specific Conditions
Black-striped Wallaby	North	Site Specific Condition - 50% canopy cover	Adequately Protected
Broad-toothed Rat	All	Site Specific Condition	Adequately Protected
Broad-toothed Rat	North	suitable habitat outside exclusion zones-20m exclusion	Adequately Protected
Brush-tailed Phascogale	North	500m record - 20ha	Current Mapped Ezs
Brush-tailed Phascogale	South	800m record - 50ha/600m -50ha	Current Mapped Ezs?
Eastern Pygmy-	All	Site Specific Condition (South)	Adequately Protected

possum			
Eastern Quoll	All	Site Specific Condition	Site Specific Conditions
Hastings River Mouse	North	12ha around records	12 ha within 500m of records, moveable.
Koala	North	Koala High Use areas +20m buffer, intermediate- 10 primary browse/2ha	Retain all feed trees in high quality habitat, 6 feed trees per ha in moderate habitat.
Koala	South	Koala High Use areas +50m buffer+linkage, 1,500m - 150ha, 10 primary browse/1ha in compartment	Retain all feed trees in high quality habitat, 6 feed trees per ha in moderate habitat
Long-footed Potoroo	South	Site Specific Condition	Site Specific Conditions
Long-nosed Potoroo	All	where there is a record, 5m buffers around 12 trees/2ha (south)	Adequately Protected
Smoky Mouse	South (SMP Area)	Specified Exclusion Areas	SMP
Smoky Mouse	South (outside SMP Area)	100 hectares around each record	Site Specific Conditions
Southern Brown Bandicoot	South	Specified Exclusion Area, 200 hectares around each record	SMP
Spotted-tailed Quoll	South	Maternal Den sites-12ha, Den sites-3.5ha, latrines-12ha	3.5 and 12 ha EZ in south
Spotted-tailed Quoll	North	Maternal Den sites-12ha, Den sites-3.5ha, latrines-12ha	1 and 3 ha EZ in north
Squirrel Glider	All	250m record-8ha, Sap Feed Tree	Current Mapped EZ, Sap feed tree
Wombat	North	Burrows-20m north of Oxley Highway	20 m exclusion on burrows north of Waterfall Way
Yellow-bellied Glider	All (North/Eden)	Dens-50m exclusion, 100m of Sap Feed Tree/observation/den-15 feed trees, 200m call record-15 feed trees.	Sap feed tree
Yellow-bellied Glider	South (Bago Plateau)	Dens-50m exclusion, 100m of Sap Feed Tree -15 feed trees.	SMP
Rosenberg's Monitor (Goanna)	All	Site Specific Condition (south)	Adequately Protected
Stephens' Banded Snake	North	100m record-all hollow-bearing trees	Adequately Protected

APPENDIX 2. SPECIFIC CHANGES TO PLANT

PRESCRIPTIONS (Note that the proposed prescriptions left blank are assumed to be removed)

CURRENT PRESCRIPTION			PROPOSED PRESCRIPTION	
	Region	Prescription	Condition	Target survey (month)
NORTHERN				
50 metres Exclusion Zone, all individuals				
KNOWN				
Belvisia mucronata	N	50m	Adequately Protected	
Dendrobium melaleucaphilum	N	50m	Adequately Protected	
Elaeocarpus sp Rocky Creek	N	50m		
Grevillea obtusiflora spp. Obtusiflora	N	50m		
Lindsaea fraseri	N	50m		
Melichrus sp. Gibberagee	N	50m	Adequately Protected	
Prostanthera askania	N	50m	Adequately Protected	
Uromyrtus australis	N	50m		
NOT KNOWN				
Acalypha eremorum	N	50m	Site Specific	
Acronychia littoralis	N	50m	Site Specific	
Aldrovanda vesiculosa	N	50m	Adequately Protected	
Niemeyera (Amorphospermum) whitei - North Metapopulation Unit	N	50m	Adequately protected	
Amyema plicatula	N	50m		
Angiopteris evecta	N	50m		
Apatophyllum constablei	N	50m		
Archidendron hendersonii	N	50m	1. Protection of all individuals 20m	No target survey
Arthropteris palisotii	N	50m	Adequately Protected	
Baloghia marmorata	N	50m		
Bosistoa selwynii	N	50m		
Bosistoa transversa	N	50m		
Bulbophyllum globuliforme	N	50m	Adequately Protected	
Cadellia pentastylis	N	50m		
Caesalpinia bonduc	N	50m	Adequately Protected	
Cassia brewsteri var. marksiana	N	50m		
Choricarpia subargentea	N	50m		
Corynocarpus rupestris subsp. rupestris	N	50m		
Cryptocarya foetida	N	50m		
Cupaniopsis serrata	N	50m		
Davidsonia jerseyana	N	50m		
Davidsonia johnsonii	N	50m		

<i>Diospyros mabacea</i>	N	50m		
<i>Diospyros major</i> var. <i>ebenus</i>	N	50m		
<i>Diploglottis campbellii</i>	N	50m		
<i>Eidothea hardeniana</i>	N	50m		
<i>Elaeocarpus williamsianus</i>	N	50m		
<i>Eleocharis tetraquetra</i>	N	50m	Adequately Protected	
<i>Endiandra floydii</i>	N	50m		
<i>Endiandra muelleri</i> subsp. <i>bracteata</i>	N	50m		
<i>Eucalyptus pachycalyx</i> subsp. <i>banyabba</i>	N	50m		
<i>Euphrasia bella</i>	N	50m		
<i>Euphrasia collina</i> subsp. <i>muelleri</i>	N	50m		
<i>Euphrasia ruptura</i> (syn. <i>E. sp. Tamworth</i>) nit	N	50m		
<i>Eucalyptus camphora</i> subsp. <i>relicta</i>	N	50m		
<i>Floydia praealta</i>	N	50m		
<i>Fontainea oraria</i>	N	50m		
<i>Geijera paniculata</i>	N	50m		
<i>Gentiana wissmannii</i>	N	50m	Adequately Protected	
<i>Gossia fragrantissima</i>	N	50m		
<i>Grevillea hilliana</i>	N	50m		
<i>Hypolepis elegans</i>	N	50m		
<i>Lepiderema pulchella</i>	N	50m		
<i>Lepidium hyssopifolium</i>	N	50m		
<i>Lepidium peregrinum</i>	N	50m	Site Specific	
<i>Macadamia tetraphylla</i>	N	50m		
<i>Melicope vitiflora</i>	N	50m		
<i>Micromelum minutum</i>	N	50m		
<i>Muellerina myrtifolia</i>	N	50m	Adequately Protected	
<i>Myriophyllum implicatum</i>	N	50m		
<i>Myrsine richmondensis</i>	N	50m	1. Protection of all individuals, 20m	Cherry Tree, Sugarloaf SFs
<i>Neoastelia spectabilis</i>	N	50m	1. Protection of all individuals, 20m	No target survey
<i>Niemeyera chartacea</i>	N	50m		
<i>Oberonia complanata</i>	N	50m	1. Protection of all individuals, 20m	Existing records
<i>Ochrosia moorei</i>	N	50m	1. Protection of all individuals, 20m	Existing records
<i>Olox angulata</i>	N	50m		
<i>Peristeranthus hillii</i>	N	50m		
<i>Persicaria elatior</i>	N	50m	3. Road management plan	No target survey
<i>Phaius australis</i>	N	50m	Adequately Protected	
<i>Phaius tankervilleae</i>	N	50m		
<i>Phyllanthus microcladus</i>	N	50m	1. Protection of all	No target survey

			individuals, 20m	
<i>Plectranthus alloplectus</i>	N	50m	Adequately Protected	
<i>Prostanthera palustris</i> (sp. Bundjalung)	N	50m	Adequately protected	
<i>Psilotum complanatum</i>	N	50m		
<i>Randia moorei</i>	N	50m		
<i>Sarcochilus dilatatus</i>	N	50m	Adequately Protected	
<i>Sarcochilus fitzgeraldii</i>	N	50m	Adequately Protected	
<i>Sarcochilus hartmannii</i>	N	50m	Adequately Protected	
<i>Syzygium paniculatum</i>	N	50m	Adequately Protected	
<i>Syzygium hodgkinsoniae</i>	N	50m		
<i>Syzygium moorei</i>	N	50m		
<i>Tarenna cameronii</i>	N	50m		
<i>Tasmania glaucifolia</i> - North Metapopulation Unit	N	50m	Adequately Protected	
<i>Tinospora tinosporoides</i>	N	50m	Adequately Protected	
<i>Triflorensia cameronii</i>	N	50m	Adequately Protected	
<i>Xylosma terrae-reginae</i>	N	50m		
<i>Zieria floydii</i>	N	50m		
<i>Zieria prostrata</i>	N	50m		
20 metres Exclusion Zones, all individuals				
KNOWN				
<i>Acacia pubescens</i>	N	20m		
<i>Angophora inopina</i>	N	20m	Adequately Protected	
<i>Asterolasia</i> sp. "Dungowan Creek"	N	20m	1. Protection of all individuals	Tuggolo SF
<i>Banksia conferta</i> subsp. <i>conferta</i>	N	20m		
<i>Bertya</i> sp. Clouds Creek	N	20m	Adequately Protected	
<i>Callitris baileyi</i>	N	20m	1. Protection of all individuals	Existing records
<i>Chiloglottis platyptera</i>	N	20m	Adequately Protected	
<i>Corybas dowlingii</i>	N	20m	Adequately Protected	
<i>Cryptostylis hunteriana</i>	N	20m	1. Protection of all individuals	Existing records
<i>Dendrocnide moroides</i>	N	20m		
<i>Diuris disposita</i>	N	20m	1. Protection of all individuals	Skillion Flat SF (Oct)
<i>Diuris flavescens</i>	N	20m	1. Protection of all individuals	Kiarrak SF (Oct)
<i>Diuris pedunculata</i>	N	20m		
<i>Dracophyllum macranthum</i>	N	20m	3. Road management plan	No target survey
<i>Drynaria rigidula</i>	N	20m	1. Protection of all individuals	Existing records
<i>Eucalyptus fracta</i>	N	20m	Adequately Protected	
<i>Eucalyptus glaucina</i> - Southern Metapopulation Unit	N	20m	4. Protection of mature trees	No target survey
<i>Eucalyptus rubida</i> subsp.	N	20m	4. Protection of mature	No target survey

barbigerorum			trees	
<i>Eucalyptus scoparia</i>	N	20m	Adequately Protected	
<i>Geodorum densiflorum</i>	N	20m	1. Protection of all individuals	Camira, Royal Camp SFs
<i>Grevillea guthrieana</i> - Booral Metapopulation	N	20m	1. Protection of all individuals	Existing records
<i>Grevillea masonii</i>	N	20m	1. Protection of all individuals	Whiporie SF
<i>Hakea fraseri</i>	N	20m	Adequately Protected	
<i>Hedyotis galioides</i>	N	20m		
<i>Hibbertia procumbens</i>	N	20m		
<i>Hicksbeachia pinnatifolia</i> - Southern Metapopulation Unit	N	20m		
<i>Leucopogon confertus</i>	N	20m		
<i>Lindsaea brachypoda</i>	N	20m		
<i>Lindsaea incisa</i>	N	20m	1. Protection of all individuals	Existing records
<i>Melaleuca biconvexa</i>	N	20m	1. Protection of all individuals	Existing records
<i>Melichrus hirsutus</i> (syn. <i>M. sp. A</i>)	N	20m	1. Protection of all individuals	Existing records
<i>Oberonia titania</i>	N	20m	1. Protection of all individuals	Existing records
<i>Olearia cordata</i>	N	20m	1. Protection of all individuals	Existing records
<i>Phebalium glandulosum</i> subsp. <i>eglandulosum</i>	N	20m		
<i>Philothea myoporoides</i> subsp. <i>Obovatifolia</i> (syn. <i>P. obovatifolia</i>)	N	20m		
<i>Pomaderris brunnea</i>	N	20m	1. Protection of all individuals	Existing records
<i>Pomaderris notata</i>	N	20m	Adequately Protected	
<i>Pomaderris queenslandica</i>	N	20m	1. Protection of all individuals	Existing records
<i>Pterostylis cucullata</i>	N	20m	1. Protection of all individuals	No target survey
<i>Pterostylis elegans</i> (LNE) #	N	20m	1. Protection of all individuals	Existing records (Mar-Apr)
<i>Pterostylis gibbosa</i> (LNE)	N	20m	1. Protection of all individuals	Currambene SF (Sep-Oct)
<i>Rhizanthella slateri</i>	N	20m	1. Protection of all individuals	No target survey
<i>Rhynchosia acuminatissima</i>	N	20m	1. Protection of all individuals	Existing records
<i>Rotala tripartita</i>	N	20m	Adequately Protected	
<i>Rutidosia heterogama</i> - Inland Metapopulation Unit	N	20m		
<i>Solanum limitare</i>	N	20m	3. Road management	

			plan	
<i>Sophora fraseri</i>	N	20m	3. Road management plan	
<i>Styphelia perileuca</i>	N	20m	1. Protection of all individuals	Existing records
<i>Triplarina imbricata</i>	N	20m	Adequately Protected	
<i>Tylophora linearis</i>	N	20m		
<i>Tylophora woollsii</i>	N	20m	1. Protection of all individuals (only records confirmed by flowering)	No target survey
<i>Typhonium sp. aff. Brownii</i>	N	20m	2. Species management plan	No target survey
<i>Zieria lasiocaulis</i>	N	20m	1. Protection of all individuals	Existing records
NOT KNOWN				
<i>Acacia acronastes</i>	N	20m	1. Protection of all individuals	Existing records
<i>Acacia bakeri</i>	N	20m		
<i>Acacia dangarensis</i>	N	20m		
<i>Acacia macnuttiana</i>	N	20m	Adequately Protected	
<i>Acacia pubifolia</i>	N	20m		
<i>Acacia pycnostachya</i>	N	20m		
<i>Alexfloydia repens</i>	N	20m	Adequately Protected	
<i>Allocasuarina simulans</i>	N	20m	Adequately Protected	
<i>Almaleea cambagei</i>	N	20m	Adequately Protected	
<i>Angophora exul</i>	N	20m		
<i>Arthraxon hispidus</i> #	N	20m	Adequately Protected	
<i>Asperula asthenes</i>	N	20m	Adequately Protected	
<i>Babingtonia granitica</i>	N	20m		
<i>Bertya sp. Chambigne NR</i>	N	20m	Adequately Protected	
<i>Bertya ingramii</i>	N	20m		
<i>Blumea lacera</i>	N	20m		
<i>Boronia boliviensis</i>	N	20m		
<i>Boronia granitica</i>	N	20m		
<i>Boronia repanda</i>	N	20m		
<i>Brachyscome ascendens</i>	N	20m		
<i>Caesia parviflora var. minor</i>	N	20m	Site Specific	
<i>Caladenia tessellata</i>	N	20m		
<i>Callistemon linearifolius</i>	N	20m	Adequately Protected	
<i>Chamaesyce psammogeton</i>	N	20m	Adequately Protected	
<i>Chiloglottis anatriceps</i>	N	20m	1. Protection of all individuals	Existing records
<i>Cyperus rupicola</i>	N	20m		
<i>Cyperus semifertilis</i>	N	20m	1. Protection of all individuals 3. Road management plan	Existing records No target survey
<i>Dillwynia tenuifolia</i>	N	20m		
<i>Diuris arenaria</i>	N	20m		
<i>Diuris sp. aff. chrysantha</i>	N	20m		

(Byron Bay)(syn. D.byronensis)				
Diuris venosa	N	20m	Adequately Protected	
Elyonurus citreus	N	20m	Site Specific	
Eucalyptus approximans	N	20m		
Eucalyptus boliviana	N	20m		
Eucalyptus castrensis	N	20m	Adequately Protected	
Eucalyptus dissita	N	20m		
Eucalyptus nicholii	N	20m	Adequately Protected	
Eucalyptus magnificata	N	20m	4. Protection of mature trees	No target survey
Eucalyptus microcodon	N	20m		
Eucalyptus parramattensis subsp. Decadens	N	20m	Adequately Protected	
Eucalyptus pumila	N	20m	Adequately Protected	
Euphrasia orthocheila subsp. peraspera	N	20m	Adequately Protected	
Galium australe	N	20m	1. Protection of all individuals	Currambene SF
Gaultheria viridicarpa subsp. merinoensis	N	20m		
Gaultheria viridicarpa subsp. viridicarpa	N	20m		
Genoplesium baueri	N	20m		
Genoplesium insignis	N	20m		
Gingidia montana	N	20m		
Grevillea mollis	N	20m		
Hibbertia superans	N	20m	Adequately Protected	
Hibbertia tenuifolia	N	20m		
Homoranthus binghiensis	N	20m		
Homoranthus bornhardtensis	N	20m		
Homoranthus croftianus	N	20m		
Homoranthus lunatus	N	20m		
Isoglossa eranthemoides	N	20m		
Knoxia sumatrensis	N	20m		
Lindernia alsinoides	N	20m	Adequately Protected	
Maundia triglochoides	N	20m	Adequately Protected	
Melaleuca deanei	N	20m		
Mitrasacme pygmaea	N	20m		
Monotaxis macrophylla	N	20m	Adequately Protected	
Owenia cepiodora	N	20m	1. Protection of all individuals	Existing records
Ozothamnus tessellatus	N	20m		
Persoonia pauciflora	N	20m	Adequately Protected	
Picris evae	N	20m		
Pimelea venosa	N	20m		
Pomaderris reperta	N	20m		
Pomaderris sericea	N	20m	1. Protection of all individuals	No target survey

<i>Prostanthera cineolifera</i>	N	20m	Site Specific	
<i>Prostanthera cryptandroides</i>	N	20m		
<i>Prostanthera junonis</i>	N	20m	1. Protection of all individuals	Existing records
<i>Pseudanthus ovalifolius</i>	N	20m	Site Specific	
<i>Pultenaea maritima</i>	N	20m		
Rutidosis heterogama - Coastal Metapopulation Unit	N	20m		
<i>Senecio linearifolius</i> var. <i>dangarensis</i>	N	20m		
<i>Sophora tomentosa</i>	N	20m		
<i>Thelymitra</i> sp. 'adorata'	N	20m		
<i>Wahlenbergia scopulicola</i>	N	20m		
<i>Zannichellia palustris</i>	N	20m		
<i>Zieria adenodonta</i>	N	20m		
50 metres Exclusion Zone, 90% of individuals				
KNOWN				
Hicksbeachia pinnatifolia - Northern Metapopulation Unit	N	50m/90%	1. Protection of all individuals	No target survey
UNKNOWN				
<i>Endiandra hayesii</i>	N	50m/90%		
<i>Fontainea australis</i>	N	50m/90%	3. Road management plan	Existing records where road maintenance is proposed
<i>Sarcochilus weinthalii</i>	N	50m/90%	Adequately Protected	
<i>Symplocos baeuerlenii</i>	N	50m/90%		
20 metres Exclusion Zone, 90% of individuals				
KNOWN				
<i>Acacia bynoeana</i>	N	20m/90%	1. Protection of all individuals	Existing records
<i>Acacia courtii</i>	N	20m/90%	Adequately Protected	
<i>Allocasuarina defungens</i>	N	20m/90%	Adequately Protected	
<i>Ancistrachne maidenii</i> #	N	20m/90%	Adequately Protected	
<i>Asterolasia elegans</i>	N	20m/90%		
<i>Callitris oblonga</i>	N	20m/90%	Adequately Protected	
<i>Clematis fawcettii</i> #	N	20m/90%	Adequately Protected	
<i>Corokia whiteana</i> - Rhyolite Metapopulation Unit	N	20m/90%		
<i>Cymbidium canaliculatum</i> (PNP)	N	20m/90%		
<i>Cynanchum elegans</i>	N	20m/90%	Adequately Protected	
<i>Dichanthium setosum</i>	N	20m/90%	1. Protection of all individuals	Existing records

Dipodium atropurpureum (PNP)	N	20m/90%	1. Protection of all individuals	Existing records
Dipodium pulchellum (PNP)	N	20m/90%		
Eucalyptus mckieana	N	20m/90%	4. Protection of mature trees	No target survey
Eucalyptus oresbia	N	20m/90%	Adequately Protected	
Grevillea banyabba	N	20m/90%	Adequately Protected	
Grevillea guthrieana - Carrai Metapopulation	N	20m/90%	1. Protection of all individuals	Existing records
Grevillea guthrieana	N	20m/90%	Adequately Protected	
Grevillea parviflora	N	20m/90%	Adequately Protected	
Grevillea scortechinii subsp. sarmentosa	N	20m/90%	Adequately Protected	
Gastrodia sesamoides (PNP)	N	20m/90%	Adequately Protected	
Hibbertia hexandra - Southern Metapopulation Unit	N	20m/90%	Adequately Protected	
Leptospermum deanei	N	20m/90%		
Melaleuca irbyana (tamariscina)	N	20m/90%	Adequately protected	
Plectranthus nitidus	N	20m/90%	Adequately Protected	
Prostanthera densa	N	20m/90%		
Pterostylis nigricans	N	20m/90%		
Tasmania glaucifolia - Southern Metapopulation Unit	N	20m/90%	Adequately Protected	
Tetradlea glandulosa (LNE)	N	20m/90%	Adequately Protected	
Tetradlea juncea	N	20m/90%	2. Species management plan	Existing records (Sep-Nov)
Quassia sp. Moonee Creek (syn. Q. sp. B)	N	20m/90%	1. Protection of all individuals	Existing records
Tinospora smilacina	N	20m/90%	Adequately Protected	
Zieria involucrata	N	20m/90%		
UNKNOWN				
Acacia flocktoniae	N	20m/90%		
Boronia hapalophylla	N	20m/90%	Site Specific	
Corokia whiteana - Coastal Sands Metapopulation Unit	N	20m/90%		
Corokia whiteana - Metasediments Metapopulation Unit	N	20m/90%		
Darwinia biflora	N	20m/90%		
Diuris praecox	N	20m/90%	1. Protection of all individuals	McPherson SF (Aug)
Eucalyptus camfieldii	N	20m/90%		
Eucalyptus caleyi subsp. ovenanii	N	20m/90%	Adequately Protected	
Grevillea beadleana	N	20m/90%	1. Protection of all individuals	Existing records
Grevillea evansiana	N	20m/90%		

Grevillea shiressii	N	20m/90%		
Homoranthus prolixus	N	20m/90%		
Indigofera baileyi	N	20m/90%	1. Protection of all individuals	Wilson's Downfall SF
Kunzea rupestris	N	20m/90%		
Lasiopetalum longistamineum	N	20m/90%		
Philotheca ericifolia	N	20m/90%	Adequately Protected	
Prostanthera staurophylla	N	20m/90%		
Thesium australe	N	20m/90%		
Velleia perfoliata	N	20m/90%	Adequately Protected	
Protection of 90% of individuals				
KNOWN				
Acacia chrysotricha #	N	90%	Adequately Protected	
Astrotricha cordata #	N	90%	Adequately Protected	
Kardomia (Babingtonia) prominens	N	90%	Adequately protected	
Kardomia (Babingtonia) silvestris	N	90%	Adequately protected	
Boronia umbellate #	N	90%		
Harnieria (Calophanoides) hygrophiloides #	N	90%	1. Protection of all individuals	Existing records
Commersonia rosea	N	90%	Adequately Protected	
Corchorus cunninghamii #	N	90%	2. Species management plan	No target survey
Cyperus aquatilis #	N	90%	3. Road management plan	No target survey
Eucalyptus tetrapleura #	N	90%	Adequately Protected	
Euphrasia arguta #	N	90%	2. Species management plan	No target survey
Euphrasia ciliolata #	N	90%	Adequately Protected	
Grevillea rhizomatosa	N	90%	1. Protection of all individuals	Existing records
Hakea archaeoides	N	90%	Adequately Protected	
Hibbertia hexandra - Northern Metapopulation Unit	N	90%		
Marsdenia longiloba #	N	90%	1. Protection of all individuals (only records confirmed by flowering)	No target survey
Macrozamia johnsonii	N	90%	Adequately Protected	
Olearia flocktoniae	N	90%	2. Species management plan	No target survey
Paspalidium grandispiculatum #	N	90%	Adequately Protected	
Polygala linariifolia #	N	90%	Adequately Protected	
Senna acclinis #	N	90%	3. Road management plan	No target survey
Tephrosia filipes #	N	90%	Adequately Protected	

UNKNOWN				
<i>Centranthera cochinchinensis</i>	N	90%	2. Species management plan	No target survey
<i>Desmodium acanthocladum</i>	N	90%	1. Protection of all individuals	Bungabee SF
<i>Doryanthes palmeri</i> (PNP)	N	90%	Adequately Protected	
<i>Eriostemon myoporoides</i> ssp. <i>conduplicatus</i> (PNP)	N	90%		
<i>Haloragis exalata</i> subsp. <i>exalata</i>	N	90%		
<i>Haloragis exalata</i> subsp. <i>velutina</i>	N	90%	Adequately Protected	
<i>Muehlenbeckia costata</i>	N	90%	Adequately Protected	
Monitoring program				
<i>Acacia ruppelii</i> *	N	MP	Site Specific	
<i>Amorphospermum whitei</i> - Southern Metapopulation Unit	N	MP		
<i>Angophora robur</i> *	N	MP	Adequately Protected	
<i>Eriostemon myoporoides</i> ssp. <i>conduplicatus</i> (PNP) (LNE)	N	MP		
<i>Eucalyptus glaucina</i> - Northern Metapopulation Unit *	N	MP	4. Protection of mature trees	No target survey
<i>Grammitis stenophylla</i> *	N	MP	Adequately Protected	
<i>Grevillea quadricauda</i> *	N	MP	Adequately Protected	
<i>Hibbertia marginata</i> *	N	MP	Adequately Protected	
<i>Melaleuca groveana</i> *	N	MP	Adequately Protected	
<i>Parsonsia dorrigoensis</i> *	N	MP	Adequately Protected	
<i>Tasmania purpurascens</i> *	N	MP	Adequately Protected	
SOUTHERN				
Protection 100% individuals				
<i>Acacia georgensis</i>	S	100%	Adequately protected	
<i>Allocasuarina diminuta</i> subsp. <i>annectans</i>	S	100%		
<i>Astroloma pinifolium</i>	S	100%		
<i>Boronia nana</i> var. <i>hyssopifolia</i>	S	100%		
<i>Botrychium australe</i>	S	100%		
<i>Bracteantha viscosa</i>	S	100%		
<i>Caustit recurvata</i>	S	100%		
<i>Correa baeuerlenii</i>	S	100%	1. Protection of all individuals	Existing records
<i>Eucalyptus aggregata</i>	S	100%	Adequately protected	
<i>Eucalyptus ignorabilis</i>	S	100%		
<i>Eucalyptus kartzoffiana</i>	S	100%	1. Protection of all individuals	No target survey
<i>Eucalyptus macarthuri</i>	S	100%		

<i>Eucalyptus robertsonii</i> ssp <i>hemisphaerica</i>	S	100%		
<i>Eucalyptus tereticornis</i>	S	100%		
<i>Galium australe</i>	S 20m buffer in Eden	100%	1. Protection of all individuals	Currambene SF
<i>Irenepharsus magicus</i>	S	100%	Adequately protected	
<i>Irenepharsus trypherus</i>	S	100%		
<i>Lasiopetalum parvifolium</i>	S	100%		
<i>Logania pusilla</i>	S	100%		
<i>Lysimachia vulgaris</i> var. <i>davurica</i>	S	100%	Adequately protected	
<i>Mazus pumilio</i>	S	100%		
<i>Monotaxis macrophylla</i>	S	100%	Adequately protected	
<i>Persoonia glaucescens</i>	S	100%	Adequately protected	
<i>Pomaderris bodalla</i>	S	100%	1. Protection of all individuals	Existing records
<i>Pomaderris walshii</i>	S	100%		
<i>Prostanthera densa</i>	S	100%		
<i>Psoralea adscendens</i>	S	100%		
<i>Pultenaea humilis</i>	S	100%		
<i>Santalum obtusifolium</i>	S	100%		
<i>Solanum celatum</i>	S	100%		
<i>Trachymene humilis</i>	S	100%		
Protection 100% individuals, 10m exclusion, 10m buffer				
<i>Acacia bynoeana</i>	S	10+10m	1. Protection of all individuals	Existing records
<i>Acacia clunies-rossiae</i>	S	10+10m		
<i>Acacia flocktoniae</i>	S	10+10m		
<i>Acacia lucasii</i>	S	10+10m		
<i>Astrotricha</i> sp. <i>Wallagaraugh</i>	S	10+10m	Adequately protected	
<i>Bossiaea bombayensis</i>	S	10+10m		
<i>Bossiaea oligosperma</i>	S	10+10m	Adequately protected	
<i>Caladenia tessellata</i>	S	10+10m		
<i>Callitris oblonga</i> ssp. <i>corangensis</i>	S	10+10m	Adequately protected	
<i>Calochilus pulchellus</i>	S	10+10m		
<i>Calotis glandulosa</i>	S	10+10m	Adequately protected	
<i>Callistemon forresterae</i>	S	10+10m		
<i>Carex klaphakei</i>	S	10+10m	Adequately protected	
<i>Chamaesyce psammogeton</i>	S	10+10m		
<i>Correa lawrenceana</i> subsp. <i>Genoensis</i>	S	10+10m		
<i>Corybas undulatus</i>	S	10+10m		
<i>Cryptostylis hunteriana</i>	S	10+10m	1. Protection of all individuals	Existing records
<i>Cynanchum elegans</i>	S (N)	10+10m	Adequately protected.	

<i>Dampiera fusca</i>	S	10+10m		
<i>Daphnandra</i> sp C (sp 1 Illawarra)	S	10+10m		
<i>Davallia pyxidata</i>	S	10+10m		
<i>Dillwynia glauca</i>	S	10+10m	1. Protection of all individuals	Existing records
<i>Distichlis distichophylla</i>	S	10+10m	Adequately protected	
<i>Diuris aequalis</i>	S	10+10m	1. Protection of all individuals	No target survey
<i>Diurus ochroma</i>	S	10+10m	3. Road management plan	No target survey
<i>Diuris pedunculata</i>	S	10+10m		
<i>Eucalyptus langleyi</i>	S	10+10m	Adequately protected	
<i>Eucalyptus parvula</i>	S	10+10m	1. Protection of all individuals	No target survey
<i>Eucalyptus pulverulenta</i>	S	10+10m		
<i>Eucalyptus recurva</i>	S	10+10m		
<i>Eucalyptus sturgissiana</i>	S	10+10m		
<i>Euphrasia scabra</i>	S	10+10m	Adequately protected	
<i>Genoplesium plumosum</i>	S	10+10m		
<i>Genoplesium vernalis</i>	S	10+10m		
<i>Gentiana baeuerlenii</i>	S	10+10m		
<i>Gentiana wingecarribiensis</i>	S	10+10m		
<i>Grevillea molyneuxii</i>	S	10+10m	Adequately protected	
<i>Grevillea rivularis</i>	S	10+10m		
<i>Grevillea wilkinsonii</i>	S	10+10m		
<i>Hakea dohertyi</i> (sp B Kowmung River)	S	10+10m		
<i>Haloragis exalata</i> subsp. <i>exalata</i>	S	10+10m	Adequately protected	
<i>Leptospermum thompsonii</i>	S	10+10m		
<i>Melaleuca biconvexa</i>	S	10+10m	1. Protection of all individuals	Existing records
<i>Monotoca rotundifolia</i>	S	10+10m	1. Protection of all individuals	Existing records
<i>Pimelia axiflora</i>	S	10+10m	Adequately protected	
<i>Pimelea spicata</i>	S	10+10m		
<i>Plintanthesis rodwayi</i>	S	10+10m	Adequately protected	
<i>Pomaderris cotoneaster</i>	S	10+10m	1. Protection of all individuals	Existing records
<i>Pomaderris elachophylla</i>	S	10+10m	1. Protection of all individuals	Existing records
<i>Pomaderris gilmourii</i> var <i>cana</i>	S	10+10m		
<i>Pomaderris pallida</i>	S	10+10m		
<i>Pomaderris parrisiae</i>	S No exclusion Eden	10+10m	1. Protection of all individuals	Existing records
<i>Pomaderris sericea</i>	S	10+10m	1. Protection of all individuals	No target survey

<i>Prasophyllum affine</i>	S	10+10m	Adequately protected	
<i>Prasophyllum canaliculatum</i>	S	10+10m	Adequately protected	
<i>Prasophyllum fuscum</i>	S	10+10m	Adequately protected	
<i>Prasophyllum</i> sp. Majors Creek (Jones 11084)	S	10+10m		
<i>Prostanthera rugosa</i>	S	10+10m	1. Protection of all individuals	Belanglo SF
<i>Pseudanthus ovalifolius</i>	S	10+10m	Site Specific	
<i>Pterostylis gibbosa</i>	S	10+10m	1. Protection of all individuals	Currambene SF (Sep-Oct)
<i>Pterostylis hians</i>	S	10+10m	Site Specific	
<i>Pterostylis ventricosa</i>	S	10+10m		
<i>Pterostylis vernalis</i>	S	10+10m		
<i>Pultenaea parrisiae</i> (ssp <i>parrisiae</i>)	S	10+10m	1. Protection of all individuals	Nungatta SF
<i>Pultenaea pedunculata</i>	S	10+10m	1. Protection of all individuals	No target survey
<i>Restio longipes</i>	S	10+10m		
<i>Rulingia</i> (Commersonia) <i>prostrata</i>	S	10+10m	2. Species management plan	Penrose SF
<i>Rutidosis leirolepis</i>	S	10+10m		
<i>Rutidosis leptorrhynchoides</i>	S No buffer Eden	10+10m		
<i>Syzygium paniculatum</i>	S (N)	10+10m	Adequately Protected	
<i>Thesium australe</i>	S	10+10m		
<i>Thelymitra atronitida</i>	S	10+10m	1. Protection of all individuals	No target survey
<i>Triplarina nowraensis</i>	S	10+10m		
<i>Westringia kydrensis</i>	S	10+10m		
<i>Zieria adenophora</i>	S	10+10m		
<i>Zieria baeuerlenii</i>	S	10+10m	Adequately protected	
<i>Zieria citriodora</i>	S	10+10m	Adequately protected	
<i>Zieria granulata</i>	S	10+10m	Adequately protected	
<i>Zieria murphyi</i>	S	10+10m		
<i>Zieria tuberculata</i>	S	10+10m	1. Protection of all individuals	Bodalla, Mumbulla SFs