



# Byron Shire

## Development Control Plan 2014

### Chapter B2

### Tree and Vegetation Management



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# Chapter B2 – Tree and Vegetation Management

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### ***Document History***

<b>Doc No.</b>	<b>Date Amended</b>	<b>Details (e.g. Resolution No.)</b>
#E2020/67970	September 2020	Draft 6 for attachment to Council report 19 November 2020
#E2020/67970	November 2020	Draft 7 Res 20-617 Public Exhibition Version
E2020/102196	February 2021	Final for adoption – attachment to Council report 11 March 2021



## B2.1 Introduction

Byron Shire's natural environment is one of the most biodiverse areas of Australia. Home to 145 threatened plant and 160 threatened animal species, 43% of our Shire is mapped as High Environmental Value vegetation. The unique ecosystems found here bring 2 million visitors a year making tourism our most valuable industry. However, our biodiversity, the very thing which makes Byron exceptional, is under increasing pressure due to escalating development and tourist visitation.

Of particular concern are the viability of Byron's coastal koala population and the recognition of koalas in urban areas, as the impacts of a changing climate become more prevalent. For the first time, Byron's rainforest burned in the unprecedented Black Summer fires which saw 60% of the States National Parks and State forests decimated. For Byron to remain the 'green jewel' of the North, there is a need to identify and protect our intrinsic values.

This DCP Chapter recognises Byron Shire's unique biodiversity and outlines controls for Tree and Vegetation Management to increase resilience and support climate adaptation.

### B2.1.1 Purpose of this Chapter

The purpose of this DCP Chapter is to declare vegetation under Part 3 of State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017 (Veg SEPP). Where vegetation is declared in this Chapter a person must not remove such vegetation without a permit granted by Council (Clause 10(1) Veg SEPP).

For the purposes of this DCP Chapter vegetation means:

- (a) trees (including any sapling or shrub or any scrub),
- (b) understory plants,
- (c) groundcover (being any type of herbaceous vegetation),
- (d) plants occurring in a wetland.

Native vegetation (*as defined by the Local Land Services Act 2013 s60B (1),(2)*) means:

A plant is native to New South Wales if it was established in New South Wales prior to European settlement.

For the purpose of this DCP Chapter, remove means (*the same as clearing as defined by the Local Land Services Act 2013 s60C*):

- Cutting down, felling, uprooting, killing, poisoning, ringbarking, burning or otherwise destroying the vegetation, or
- Lopping or otherwise removing a substantial part of the vegetation.

Pruning is defined as all other pruning which is not 'crown maintenance pruning' and includes 'crown modification' as defined in *Australian Standard AS 4373-2007*, "Pruning of Amenity Trees".

Council may only issue a permit for the removal or pruning of vegetation that is below the Biodiversity Offsets Scheme (BOS) threshold.

## B2.1.2 Application of this Chapter

This DCP chapter applies to the removal or pruning of vegetation that is under the BOS threshold on all non-rural land (land in any zone other than RU1 and RU2) within the Byron Shire local government area.

## B2.1.3 Objectives of this Chapter

1. To ensure the protection and preservation of local native vegetation that contributes to the biodiversity, social and amenity value of Byron Shire.
2. To recognise and conserve very large trees and hollow bearing trees of habitat, amenity or heritage value.
3. To avoid and minimise wherever possible the unnecessary removal of native vegetation.
4. To minimise the risks of destabilisation of foreshore, riparian or agricultural land.
5. To provide information ensuring land holders are aware when a permit is required for the removal or pruning of vegetation.
6. To provide a consistent framework for assessing permits to remove or prune vegetation.
7. To recognise the **biodiversity values** of vegetation that supports and provides **refugia** to native fauna.
8. To recognise the importance and retention of vegetation for carbon sequestration at a local scale.
9. To facilitate the removal of undesirable exotic, declared invasive or otherwise inappropriate plant species, and replace them with suitable local native species that contribute to ecological, environmental or habitat value.



**Note:** For the purpose of this DCP Chapter, **avoid** means “to keep away from”. Evidence of avoidance may be illustrated through the use of ecological buffers, the design of a development footprint, or by regulating the timing or location of activities. If it is not possible to avoid impacts, then opportunities should be sought to minimise the impacts. **Minimise** means “reduce to the smallest possible amount or degree”.

### Tree and Vegetation Management Pathways

To remove / prune vegetation in Byron Shire the following pathways shown in Figure 1 apply.

The pathways within Figure 1 are described below:

If the proposal to remove or prune vegetation involves development now or in the future, then Chapter B1 Biodiversity applies.

If the proposal doesn't involve development and the vegetation is in a rural zone, then the Local Land Services (LLS) Act applies. If the vegetation is dead or dangerous, then Council's Dead or Dangerous form and an arborist report are required.

If the proposal doesn't involve development and the vegetation is neither in a rural zone or dead or dangerous, and the removal of the vegetation triggers the Biodiversity Offsets Scheme (BOS) threshold, then BOS applies and a Biodiversity Development Assessment Report (BDAR) must be prepared and approval from the Native Vegetation Panel is required.

If the proposal doesn't involve development and the vegetation is neither in a rural zone or dead or dangerous, and the removal of the vegetation does not trigger the BOS threshold, then Chapter B2 Tree and Vegetation Management applies.

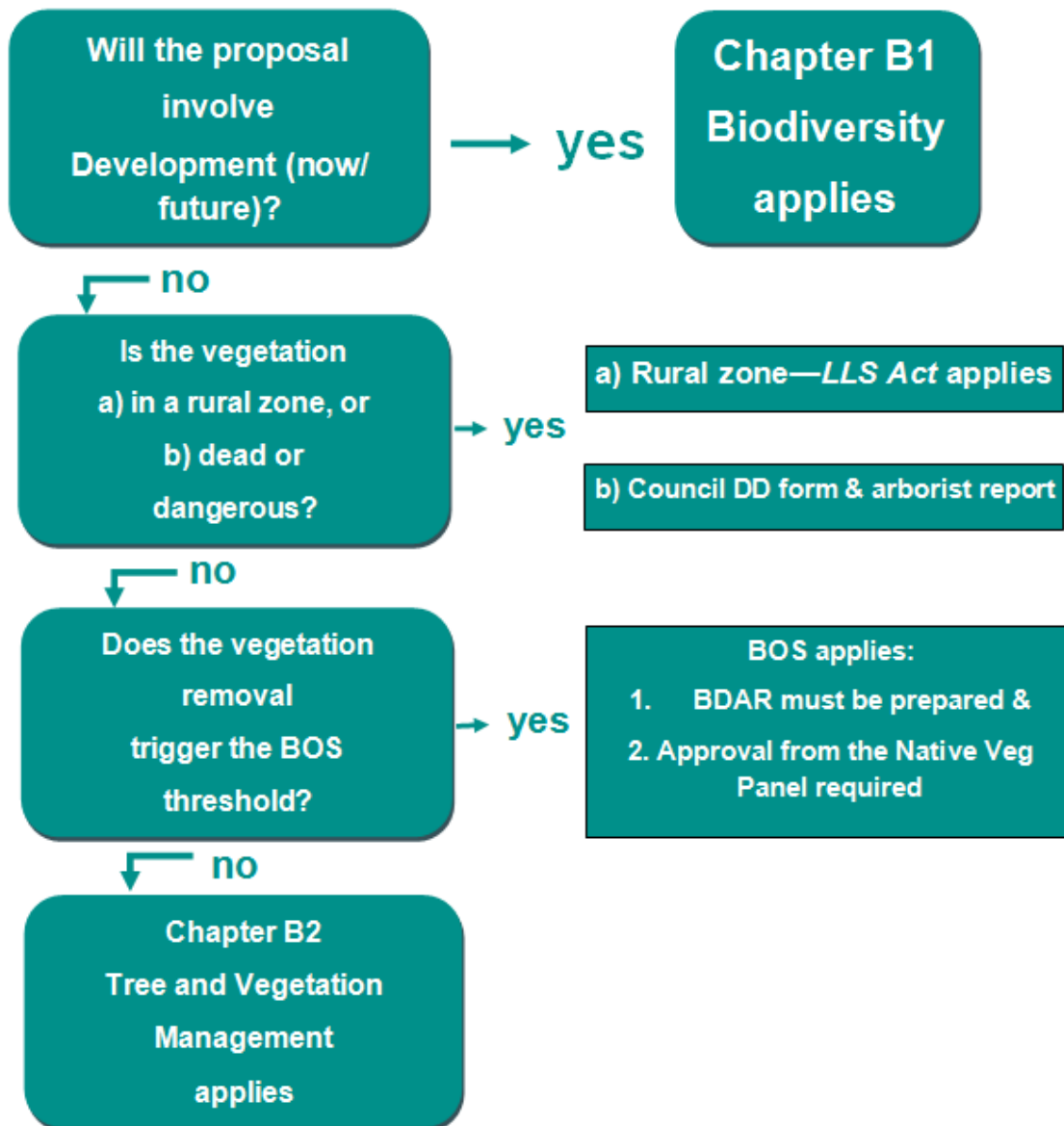


Figure 1: Vegetation removal pathways.



## B2.2 Declared Trees and Vegetation

### **State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017 (Veg SEPP)**

This chapter of the DCP addresses [State Environmental Planning Policy \(Vegetation in Non-Rural Areas\) 2017](#) (Veg SEPP) specifically relating to the *removal or pruning of vegetation in non-rural areas*, and declares such vegetation under Part 3 *clause 9(1),(2)*.

In accordance with Part 2 *clause 7(1)* of the Veg SEPP a person may not remove vegetation that is declared within a DCP without a permit granted by Council.

#### **Prescriptive measures**

The following vegetation is declared under Part 3 *clause 9(1), (2)* of the State Environmental Planning Policy (Vegetation in non-rural areas) 2017;

1. All vegetation mapped as High Environmental Value (HEV);
2. All red flags within Table 3 of DCP Chapter B1 Biodiversity (Appendix 1);
3. All **koala use tree** species found in Schedule 2 of the Koala Habitat Protection SEPP specific to the North Coast Koala Management Area (Appendix 2);
4. All vegetation on land zoned E2 or E3;
5. All native vegetation within 50m of a fourth order stream or river, or within 20m of a second or third order stream;
6. All native trees within a non-rural area >150cm diameter at breast height (DBH);
7. Any tree (native or non-native) that contains a [hollow](#);
8. Very large trees (non native) of significant cultural or amenity value (e.g. Norfolk pine);
9. All native vegetation that supports **threatened species** and their habitat (e.g. **koala use trees** that provide linkages within urban areas);
10. All native vegetation on publically owned or managed land including road reserve;
11. Where the native vegetation is a heritage item or within a heritage conservation area under the BLEP 2014 and does not otherwise require development consent as per the BLEP 2014;

### B2.2.1 Exemptions

#### **Prescriptive measures**

The following trees or other vegetation are exempt from applying for a permit from Council for the removal or pruning of vegetation;

1. The removal of vegetation that is authorised under Section 60O of the *Local Land Services Act 2013*.



2. Native vegetation that Council or the Native Vegetation Panel is satisfied is dead and is not required as habitat for native animals (see B2.2.4).
3. Native vegetation that Council is satisfied poses an unacceptable risk to human life or property (see B2.2.4).
4. Vegetation affected by works under State Environmental Planning Policy (Infrastructure) 2007 defined as exempt development.
5. Any tree where the nearside trunk is 3 metres from the nearest external wall of a lawfully approved existing permanent **dwelling** or manufactured home that is located on the same property. This does not apply to listed **threatened species** and **ecological communities** or areas mapped as **koala habitat** identified within the Byron Coast Comprehensive Koala Plan of Management or identified under the Koala Habitat Protection SEPP. A permit will be required in those instances.
6. Any non-native and /or invasive tree species listed in Appendix 3, regardless of size.
7. Vegetation declared under the *Biosecurity Act 2015* as a Mandatory Measure or above (see [BSC Invasive Plant Species list](#))
8. Trees or saplings of Camphor laurel (*Cinnamomum camphora*) **if under 5m tall**.
9. Vegetation removal that is subject to works under an approved Vegetation Management Plan or Biodiversity Conservation Management Plan.
10. Restoration activities undertaken by landholders applying current 'best practice' camphor conversion techniques (e.g. Subtropical Rainforest Restoration 3<sup>rd</sup> Edition, Big Scrub Landcare).

## **B2.2.2 Exclusion from Exemptions – Environmental Heritage including Aboriginal Heritage**

The exemptions listed in B2.2.1 do not apply to any native vegetation located on a heritage item, Aboriginal object, Aboriginal place of heritage significance or on land within a heritage conservation area as per BLEP 2014 Part 5 clause 5.10.

### **Prescriptive measures**

1. In accordance with BLEP 2014 Council may only grant a permit for the removal or pruning of native vegetation on land that is defined under Part 5 clause 5.10 if;
  - a. It is of a minor nature; or
  - b. It is for the maintenance of the heritage item, Aboriginal object, Aboriginal place of heritage significance or heritage conservation area and would not adversely affect the heritage significance of the heritage item, Aboriginal object, Aboriginal place of heritage significance or heritage conservation area.
2. Council requires a permit application for any removal or pruning of native vegetation that is minor in nature or is for the maintenance of a heritage item, Aboriginal object, Aboriginal place of heritage significance or heritage conservation area.

3. Council requires a development application for any other removal or pruning of native vegetation.

### **B2.2.3 Exclusion from Exemptions – Consent conditions and 88B instruments**

The exemptions listed in B2.2.1 do not apply to any native vegetation required to be retained by the conditions of development consent under the *Environmental Planning and Assessment Act 1979* or a restriction to user instrument. The Veg SEPP and subsequently this chapter of the DCP do not affect authorisations under other Acts that are required to be obtained regarding the clearing of vegetation.

### **B2.2.4 Dead or Dangerous vegetation**

Where the removal or pruning of vegetation is thought to be dead, or presents an unacceptable risk to life or property and is not required as habitat for hollow-dependant fauna;

1. A Dead, or Dangerous Tree Removal form must be filled out, and
2. It must be supported by an Arborist's Report prepared by an AQ Level 5 arborist (as outlined in Appendix 4).

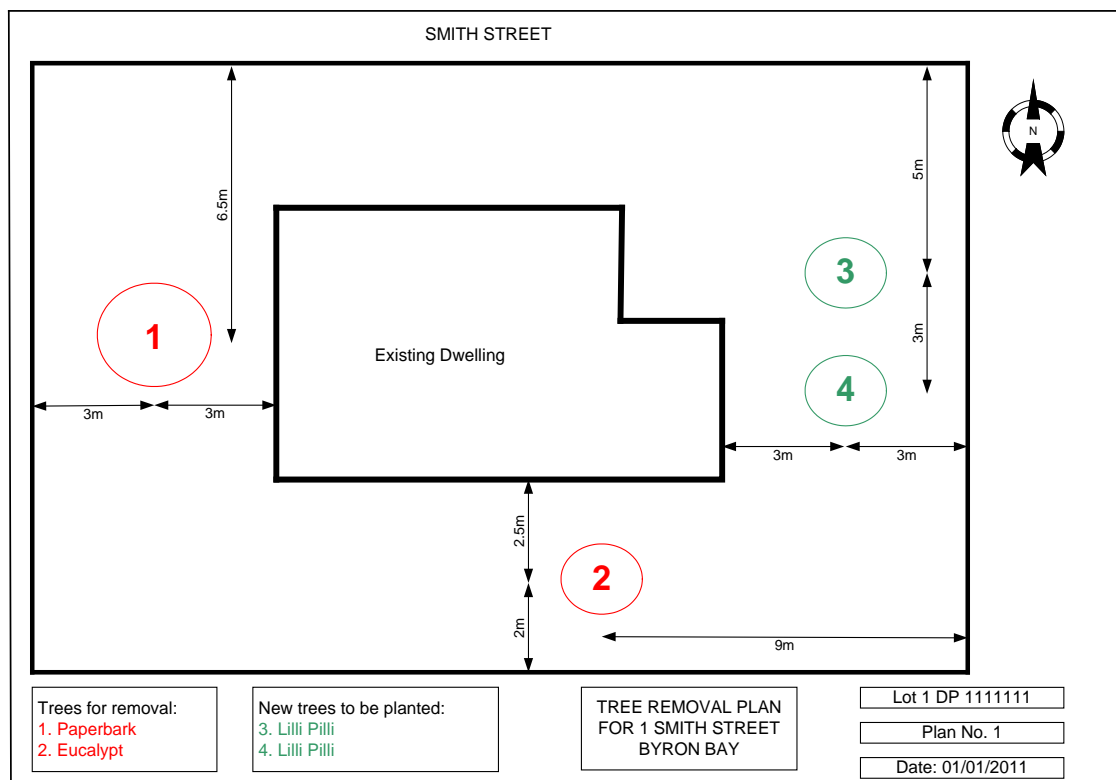
## **B2.3 Tree Removal Permit Requirements**

### **B2.3.1 Information to Accompany Tree Removal Permit Applications**

Applications for vegetation removal or pruning are to be made on the Tree Removal Permit form (available from Council) and must be supported by the following:

#### **Prescriptive measures**

1. Payment of the prescribed fee (in accordance with Council's adopted fees and charges).
2. Description of the property on which the vegetation is located (street address, lot, deposited plan).
3. Applicant's name and contact details.
4. Written consent of the landowner.
5. A site plan (Figure 2) providing the following details:
  - a. all property boundaries, street frontage(s), name of street(s) and any services/easements;
  - b. any existing structures, driveways and access roads;
  - c. an allocated number for each tree proposed for removal/pruning or proposed to be planted and the common and/or botanical species name for each numbered tree;
  - d. the location(s) of the vegetation proposed for removal/pruning or to be planted and its position in relation to the boundaries of the site and any existing buildings, structures, driveways, etc. Dimensions between the centre of the subject tree(s)/vegetation and property boundaries and buildings should be included;
  - e. a title, property address, Lot and Deposited Plan number, north point, scale, date, legend and author.



**Figure 2: Example of a Site Plan accompanying a Tree Permit for Vegetation Removal/Pruning**

6. A description of each numbered tree/vegetation detailing the following:
  - a. species of tree/vegetation (common name and botanical name);
  - b. quantity affected;
  - c. approximate height and DBH (diameter at breast height); and
  - d. colour photo(s) of the tree/vegetation to assist in identification (whole tree, bark, leaves) and a colour photo(s) to establish the context, location and position of the vegetation on the property.
7. The reasons why removal/pruning is required.
8. Any application for vegetation removal/pruning of the following should be supported by an Ecological assessment (Appendix 5) prepared by a suitably qualified ecological consultant:
  - a. Large locally indigenous trees of over 80 cm DBH (diameter at breast height),
  - b. Trees identified in Appendix 2,
  - c. Trees within High Environmental Value (HEV) vegetation and habitats,
  - d. Trees (whether dead or alive) containing tree [hollow](#)(s),
  - e. **Threatened species.**



**Note:** a preliminary desktop assessment of the site's **biodiversity values** is available on [Councils website](#) and the [SEED portal](#). Pending availability, Council staff can assist with some of this information and provide advice on its implications for preparing the information referred to above.

Conditions are likely to be placed on a tree removal permit regarding compensatory planting and survival rates where trees are proposed to be removed. The following compensatory ratios apply:

**1:10 for trees of high environmental value;**

e.g. **local indigenous** trees in **high environmental value vegetation and habitat**, **local indigenous** rainforest trees, trees within a **wildlife corridor**, trees with habitat value for local wildlife, trees with a **diameter at breast height** >50cm.

**1:5 for trees of medium environmental value;**

e.g. **local indigenous** trees not located in **high environmental value vegetation and habitat**, a **wildlife corridor** or which do not have habitat value for local wildlife.

**1:1 for trees of low environmental value;**

e.g. other trees not located in **high environmental value vegetation and habitat**, a **wildlife corridor** or which do not have habitat value for local wildlife.

**Survival rates**

These ratios apply to survival rates after 2 years, therefore it is recommended to plant additional trees (10 - 20% more) to accommodate for a survival rate of less than 100% of the planted trees.

## Appendix 1

## Red flags

Red flag <sup>a</sup>
<b>HEV vegetation<sup>b</sup></b>
<b>Threatened Ecological Communities</b> (includes Critically Endangered, Endangered or Vulnerable listed under <a href="#">State</a> or <a href="#">Commonwealth</a> legislation).
<b>Over-cleared vegetation types</b>  (A vegetation type of which more than 70% has been cleared in the Catchment Management Area).
<b>Over-cleared landscapes</b>  (A Mitchell landscape in which more than 70% native vegetation cover has been cleared. NSW is divided into 580 relatively homogeneous landscape units in terms of geomorphology, soils and broad vegetation types mapped at a scale of 1: 250000 (Mitchell 2002, 2003), which are colloquially termed “Mitchell Landscapes” after their author).
<b>Old growth</b>  ( <a href="#">old-growth forests</a> are ecologically mature forests, often diverse in structure and species with relatively large old trees, some of which may contain tree hollows).
<b>Important wetlands</b>  (Wetlands protected under NSW State or Commonwealth legislation or policy. Includes wetlands mapped under the NSW State Environmental Planning Policy (SEPP) Coastal Management 2018, previously SEPP 14 Wetlands).
<b>Other wetlands</b>  (Any other wetland other than an Important wetland. Wetland has the same meaning as defined within <a href="#">NSW Wetland Policy</a> ): <ul style="list-style-type: none"><li>• Wetlands are areas of land that are wet by surface water or groundwater, or both, for long enough periods that the plants and animals in them are adapted to, and depend upon moist conditions for at least part of their lifecycle. They include areas that are inundated cyclically, intermittently or permanently with fresh, brackish, or saline water, which is generally still or slow moving except in distributary channels such as tidal creeks which may have higher peak flows.</li><li>• Examples of wetlands include; mangroves, backwaters, sedgeland, wet heathlands, lakes, lagoons, estuaries, rivers, floodplains, swamps, bogs, billabongs, marshes,</li></ul>



## Red flag<sup>a</sup>

coral reefs and seagrass beds).

Other bushland on a slope >18 degrees

Pre-existing protected habitat

(Areas of existing habitat (or other land) provided with formal long-term protection designed to limit further development.

Protected habitat can be established by various mechanisms including but not limited to; restrictive covenants, rezoning, voluntary planning agreements, formal conservation agreements, biodiversity stewardship agreements, or in some cases dedication to Council or other public authority. The mechanism(s) to establish protected habitat must be conditioned or otherwise approved by Council).

Land within a defined **wildlife corridor**

(Refers to linear areas that link wildlife habitat and provide a crucial role in maintaining connectivity between plant and animal populations that would otherwise be at greater risk of extinction. Such corridors are critical for the maintenance of ecological processes, enabling migration, colonisation and interbreeding of plants and animals).

Areas with a species polygon for threatened fauna or other significant fauna that are known or predicted to occur at the site.

(Threatened fauna or flora is any species listed as critically endangered, endangered or vulnerable under NSW State or Commonwealth legislation).

Areas with a species polygon for threatened flora or other significant flora that are known or predicted to occur at the site.

(A species polygon is an area of land enclosing the known or predicted habitat of targeted flora or fauna. In most cases known records will be used for flora and predicted habitat will be used for fauna).

**Koala habitat** outside of areas defined within a Comprehensive Koala Plan of Management.

Isolated or scattered **koala use trees** with evidence of koala activity

Any other areas where koalas are present and/or **koala habitat** is planted with public monies.

**Waterways and Riparian areas (from the top of the bank)**

## Red flag<sup>a</sup>

### Stream order

First order stream

Second order stream

Third order stream

Fourth order stream

Estuarine area

(Any part of a river, lake, lagoon or coastal creek whose level is periodically or intermittently affected by coastal tides, up to the highest astronomical tide).

Flying fox camps -Year round or intermittent

Very large native trees

(Local native trees that have a trunk diameter of greater than or equal to 0.8 metres at 1.4 metres above the natural ground level. Local native trees are trees that existed in the Byron Shire before European settlement).

Stags and [hollow-bearing](#) trees

Raptor nests

<sup>a</sup> an area of land with high biodiversity conservation value which should be excluded from any [development envelope](#).

<sup>b</sup> see [Council website](#) for HEV Mapping



## Appendix 2

## Schedule 2: Koala Use Tree species

### North Coast koala management area

Common name	Scientific name
Forest Oak	<i>Allocasuarina torulosa</i>
Rough-barked Apple	<i>Angophora floribunda</i>
Red Bloodwood	<i>Corymbia gummifera</i>
Large-leaved Spotted Gum	<i>Corymbia henryi</i>
Pink Bloodwood	<i>Corymbia intermedia</i>
Spotted Gum	<i>Corymbia maculata</i>
White Mahogany	<i>Eucalyptus acmenoides</i>
Cabbage Gum	<i>Eucalyptus amplifolia</i>
Orange Gum	<i>Eucalyptus bancroftii</i>
Grey Gum	<i>Eucalyptus biturbinata</i>
New England Blackbutt	<i>Eucalyptus campanulata</i>
Large-fruited Grey Gum	<i>Eucalyptus canaliculata</i>
Thick-leaved Mahogany	<i>Eucalyptus carnea</i>
Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>
Narrow-leaved stringybark	<i>Eucalyptus eugenoides</i>
Broad-leaved Red Ironbark	<i>Eucalyptus fibrosa</i>

Common name	Scientific name
Slaty Red Gum	<i>Eucalyptus glaucina</i>
White Stringybark	<i>Eucalyptus globoidea</i>
Flooded Gum	<i>Eucalyptus grandis</i>
Silver-top Stringybark	<i>Eucalyptus laevopinea</i>
Craven Grey Box	<i>Eucalyptus largeana</i>
Tallowwood	<i>Eucalyptus microcorys</i>
Grey Box	<i>Eucalyptus moluccana</i>
Forest Ribbon Gum	<i>Eucalyptus nobilis</i>
Blackbutt	<i>Eucalyptus pilularis</i>
Grey Ironbark	<i>Eucalyptus placita</i>
Bastard Tallowwood	<i>Eucalyptus planchoniana</i>
Small-fruited Grey Gum	<i>Eucalyptus propinqua</i>
Bastard White Mahogany	<i>Eucalyptus psammitica</i>
Grey Gum	<i>Eucalyptus punctata</i>
Red Mahogany	<i>Eucalyptus resinifera</i>
Swamp Mahogany	<i>Eucalyptus robusta</i>
Steel Box	<i>Eucalyptus rummeryi</i>
Sydney Blue Gum	<i>Eucalyptus saligna</i>

Common name	Scientific name
Large-fruited Red Mahogany	<i>Eucalyptus scias</i>
Narrow-leaved Red Gum	<i>Eucalyptus seeana</i>
Grey Ironbark	<i>Eucalyptus siderophloia</i>
Scribbly Gum/Narrow-leaved Scribbly Gum	<i>Eucalyptus signata/Eucalyptus racemosa</i>
Forest Red Gum	<i>Eucalyptus tereticornis</i>
Stringybark	<i>Eucalyptus tindaliae</i>
Bastard White Mahogany	<i>Eucalyptus umbra</i>
Broad-leaved Paperbark	<i>Melaleuca quinquenervia</i>

## Appendix 3 Non native and or invasive tree species

**Table 3: Non-native and/or invasive tree species:**

Common name	Scientific name
Queensland Silver Wattle	<i>Acacia podalyriifolia</i>
Cootamundra Wattle	<i>Acacia baileyana</i>
Golden Wreath Wattle	<i>Acacia saligna</i>
Himalayan Cedar	<i>Acrocarpus fraxinifolius</i>
Tree of Heaven	<i>Ailanthus altissima</i>
Bunya Pine	<i>Araucaria bidwillii</i>
Alexander Palm	<i>Archontophoenix alexandrae</i>
Creeping Bamboo	<i>Arundinaria spp.</i>
Running Bamboo	<i>Bambusa sp</i>
Paper Mulberry	<i>Broussonetia papyrifera</i>
Datura	<i>Brugmansia suaveolens</i>
Butterfly bush	<i>Buddleja madagascariensis</i>
Cecropia	<i>Cecropia peltata</i>
Cigar Box Cedar	<i>Cedrela odorata</i>
Chinese Elm, Hackberry	<i>Celtis sinensis</i>
Bush lemon	<i>Citrus limonia</i>

Common name	Scientific name
Coffee	<i>Coffea arabica</i>
Coreopsis	<i>Coreopsis lanceolata</i>
Cadaghi	<i>Corymbia torelliana (syn Eucalyptus)</i>
Cotoneaster	<i>Cotoneaster glycophylla</i>
Rubber Vine	<i>Cryptostegia grandiflora</i>
Duranta	<i>Duranta repens</i>
Common Horsetail	<i>Equisetum arvense</i>
Loquat	<i>Eriobotrya japonica</i>
Cockspur Coral Tree	<i>Erythrina crista-galli</i>
Orange Coral tree	<i>Erythrina nigra</i>
Coral Tree	<i>Erythrina x sykesii</i>
Coral tree	<i>Erythrina indica</i>
Grumichama	<i>Eugenia brasiliensis</i>
Brazilian Cherry	<i>Eugenia uniflora</i>
Weeping Fig	<i>Ficus benjamina</i>
Rubber Tree	<i>Ficus elastica</i>
Malay Banyan	<i>Ficus microcarpa</i>
Queensland Maple	<i>Flindersia brayleyana</i>

Common name	Scientific name
Himalayan Ash	<i>Fraxinus griffithii</i>
Honey Locust	<i>Gleditsia triacanthos</i>
Icecream Bean	<i>Inga edulis</i>
Jacaranda	<i>Jacaranda mimosifolia</i>
Golden Rain Tree	<i>Koelreuteria paniculata</i>
Coastal tea tree	<i>Leptospermum laevigatum</i>
Lead Tree, Coffee Bush	<i>Leucaena leucocephala</i>
Large-leaved Privet	<i>Ligustrum lucidum</i>
Small-leaved Privet	<i>Ligustrum sinense</i>
African Box-thorn	<i>Lycium ferocissimum</i>
Curry Leaf Tree	<i>Murraya koenigii</i>
Murraya	<i>Murraya paniculata</i>
Oleander	<i>Nerium oleander</i>
Mickey Mouse plant	<i>Ochna serrulata</i>
African Olive	<i>Olea africana</i>
Wild olive	<i>Olea europaea subsp. cuspidata</i>
Common Olive	<i>Olea europaea subsp. Europea</i>
Paulownia	<i>Paulownia tomentosa</i>

Common name	Scientific name
Date Palm	<i>Phoenix canariensis</i>
Caribbean Pine	<i>Pinus caribaea</i>
Slash Pine	<i>Pinus elliottii</i>
Monterey Pine	<i>Pinus radiata</i>
Cherry Guava	<i>Psidium cattleianum</i>
Guava	<i>Psidium guajava</i>
Indian Hawthorn	<i>Raphiolepis indica</i>
Yeddo Hawthorn	<i>Raphiolepis umbellata</i> 'Ovata'
Castor Oil Plant	<i>Ricinus communis</i>
Black Locust	<i>Robinia pseudoacacia</i>
Black Willow	<i>Salix nigra</i>
Willows	<i>Salix spp.</i>
Umbrella Tree	<i>Schefflera actinophylla</i>
Dwarf Umbrella Tree	<i>Schefflera arboricola</i>
Pepper Tree	<i>Schinus areira</i>
Broad-leaf Pepper Tree	<i>Schinus terebinthifolius</i>
Tower Tree, Schizolobium	<i>Schizolobium parahyba</i>
Winter Senna	<i>Senna pendula var. glabrata</i>

Common name	Scientific name
Smooth Senna	<i>Senna septemtrionalis</i> (syn <i>X floribunda</i> )
Turkey Berry	<i>Solanum torvum</i>
Devils Apple	<i>Solanum capsicoides</i>
Devil's Fig, Thorn Apple	<i>Solanum chrysotrichum</i>
Tobacco Bush	<i>Solanum mauritianum</i>
Jerusalem Cherry	<i>Solanum pseudocapsicum</i>
African Tulip Tree	<i>Spathodea campanulata</i> subsp. <i>rotundata</i>
Cocos Palm	<i>Syagrus romanzoffiana</i>
Golden Trumpet Tree	<i>Tabebuia chrysantha</i>
Tecoma	<i>Tecoma stans</i>
Rhus	<i>Toxicodendron succedanea</i>
Chinese Tallow	<i>Triadica sebifera</i>



## Appendix 4 Guidelines and Requirements for Arborist's Reports

An arborist's report required under this DCP Chapter shall:

1. Be prepared in accordance with the requirements of Australian Standard 4373:2007 Pruning of Amenity Trees, AS 4970:2009 Protection of Trees on Development Sites and competencies outlined in the Australian Qualifications Framework (AQF), and
2. Be prepared by an arborist with a minimum AQF Level 5 qualification in arboriculture, and
3. In addition to the requirements of the Australian Standards, an arborist's report must contain the following information:
  - a) the name, business address, telephone number of the company/ proprietor;
  - b) evidence of Industry Body Membership, technical qualifications and experience of the arborist who undertakes the tree inspection, diagnosis and prepares the report;
  - c) the name of the person or company for whom the report is prepared;
  - d) An assessment of the health and/or risk proposed by the tree and the proposed measures to address that risk.



**Note:** Council will not accept arborist's reports with inadequate information or reports that have been prepared by persons who do not hold the qualifications detailed above.

## Appendix 5 Guidelines and Requirements for an Ecological Assessment

An ecological assessment is to be prepared by a suitably qualified ecologist with tertiary qualifications in environmental science (or equivalent) and a minimum of 2 years experience.

Where an ecological assessment is required, assessment of the subject site and where appropriate, the adjoining land, must include the following information;

1. Identification of any of the following:
  - a. High Environmental Value (HEV) vegetation and habitats on or adjoining the subject site.
  - b. Land zoned W1 or W2.
  - c. Areas identified under the *Biodiversity Conservation Act 2016*.

- d. Areas identified under the *Local Land Services Act 2013*.
  - e. Areas identified under the Coastal Management SEPP 2018 (e.g. Coastal wetlands, Littoral rainforest and proximity areas).
  - f. Areas identified under the Koala Habitat Protection SEPP.
  - g. Any adjoining National Parks or Nature Reserves.
  - h. **Threatened Ecological Communities** (TECs) on or adjoining the subject site.
  - i. **Threatened species** records within 1 km of the subject site.
  - j. Identified **wildlife corridors**
  - k. Threatened fauna habitat
  - l. Koala habitat**
  - m. **Koala use tree** species including; Species name, height, location and DBH (Diameter at breast height).
  - n. **Hollow** bearing trees including; Species name, height, location, DBH, use and or potential use evaluation.
  - o. Flying fox colony on or adjacent to the subject site.
  - p. Waterways (including **stream order**), wetlands and riparian vegetation.
2. A site plan based on a recent aerial photo at a scale of 1:200 (or better) that illustrates the following details:
    - a. The location of the ecological values identified on the site including those listed in point 1 (above), and
    - b. The extent and type of vegetation community present on site.
  3. Where the removal of any **koala use tree** species (Appendix 2) is proposed, an assessment of koala activity must be included. Such an assessment must be undertaken by a suitably qualified person utilising current best practice techniques e.g. detection dog, SAT etc.
  4. Where an assessment does not identify any additional ecological values on the site a statement to that effect must be provided with the permit application and should include details of the assessment undertaken to reach this conclusion.

## Appendix 6 Definitions & Acronyms

**Amenity:** Characteristics that influence and enhance people's appreciation of a particular area.

**BDAR:** Biodiversity Development Assessment Report prepared in accordance with the *Biodiversity Conservation Act 2016*

**BOS: Biodiversity Offsets** Scheme established under the *Biodiversity Conservation Act 2016*

**Biodiversity values:** as defined in s1.5 of the *Biodiversity Conservation Act 2016*:

- (a) vegetation integrity – being the degree to which the composition, structure and function of vegetation at a particular site and surrounding landscape has been altered from a near natural state,
- (b) habitat suitability – being the degree to which the habitat needs of **threatened species** are present at a particular site,
- (c) **biodiversity values**, or biodiversity-related values, prescribed by the regulations.

**Development envelope:** an area of land inclusive of all existing or proposed buildings and other associated infrastructure including but not limited to roads, driveways, waste water systems, landscaping, bushfire protection zones, **ecological setbacks**, other **development setbacks** and easements for telephone, electricity and other services. It does not include lands retained for extensive agriculture or nature conservation.

**Dwelling:** means a room or suite of rooms occupied or used or so constructed or adapted as to be capable of being occupied or used as a separate domicile.

**Note:** a dwelling does not include a detached garage, carport, pergola, deck or caravan.

**Ecological values:** includes the composition, structure and function of ecosystems and includes (but is not limited to) species, populations, ecological communities and their habitats.

**Koala habitat:** Areas of native vegetation mapped and identified as per Clause 7 of the Koala Habitat Protection SEPP 2019; or

1. Areas identified within the Byron Coast Comprehensive Koala Plan of Management; or
2. Areas of native vegetation, including plantings, that comprise **koala use tree** species found in Schedule 2 of the Koala Habitat Protection SEPP 2019 specific to the North Coast Koala Management Area (Appendix 1), and
3. Sightings and or records of koalas (within a 2.5km range of **koala habitat**) persistent over 3 koala generations that may be evidenced by breeding females and or historical records and or survey.

**Koala use trees:** as outlined in State Environmental Planning Policy Koala Habitat Protection 2019, Schedule 2: Koala Use Trees for the North Coast Koala Management Area.

**Native vegetation:** for the purposes of this DCP Chapter, native vegetation means any of the following types of plants;

- (a) trees (including any sapling or shrub or any scrub),
- (b) understory plants,
- (c) groundcover (being any type of herbaceous vegetation),
- (d) plants occurring in a wetland

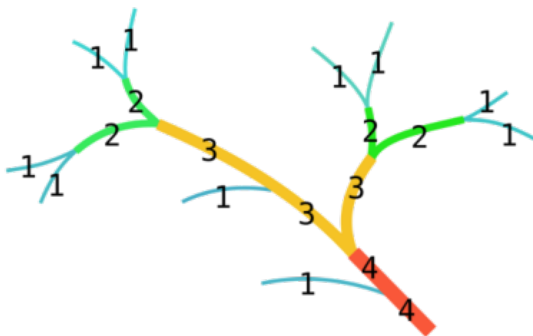
A plant is native to New South Wales if it was established in New South Wales prior to European settlement.

**Other significant fauna/flora:** Fauna or flora that have local significance but are not yet determined as threatened under NSW State or Commonwealth legislation.

**Refugia:** an area that species can retreat to, persist in and potentially expand from under changing climatic conditions and or disturbance.

**Resilience:** the capacity of an entity or entities to recover from or adapt to disturbance or change.

**Stream order:** the topmost sections of a dendritic waterway network mapped at 1:25000 scale as defined by the Strahler stream classification (see diagram below). Where two flow paths of a first order stream join, the section downstream of their junction becomes a second order stream. Where two second order streams join, the waterway downstream of the junction becomes a third order stream and so on. **Ecological setbacks** associated with specific stream orders are measured from the top of the highest bank.



**Strahler stream order**

**Suitably qualified person:** means a person who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

**Threatened Ecological Communities:** an ecological community facing a high risk of extinction in the near future, listed as critically endangered, endangered or vulnerable under NSW State or Commonwealth legislation. For example, the Critically Endangered Ecological Community ([Commonwealth](#)): Lowland Rainforests of Subtropical Australia.

**Threatened species:** any individual species facing a high risk of extinction in the near future, listed as critically endangered, endangered or vulnerable under NSW State or Commonwealth legislation. For example, the Critically endangered ([Commonwealth](#)):

Mitchell's Rainforest Snail (*Thersites mitchellae*) and Critically endangered ([NSW State](#)):  
Scrub Turpentine (*Rhodamnia rubescens*).

**Wildlife corridor:** refers to linear areas that link wildlife habitat and provide a crucial role in maintaining connectivity between plant and animal populations that would otherwise be at greater risk of extinction. Such corridors are critical for the maintenance of ecological processes, enabling migration, colonisation and interbreeding of plants and animals.

