

Regional Ecosystem (RE) Management Principles

for

Gatton and Laidley Shires South-East Queensland

**Appendix A to the Biodiversity Recovery Plan
for Gatton and Laidley Shires
South-East Queensland 2003-2008**

Version 2, 5 March 2004

**Revised to be compatible with Version 4.0 of the
Queensland Herbarium Vegetation Mapping**



Lockyer

Catchment

Association

**A project of the Lockyer Catchment Association (LCA) Inc.
supported by funding from the Threatened Species Network (TSN)
Community Grants Program, which is a joint program of the
World Wide Fund For Nature Australia (WWF) and the
Commonwealth Government Natural Heritage Trust (NHT)**



A project of the Lockyer Catchment Association (LCA) Inc. supported by funding from the Threatened Species Network (TSN) Community Grants Program, which is a joint program of the World Wide Fund For Nature Australia (WWF) and the Commonwealth Government Natural Heritage Trust (NHT).

Printed and distributed with the assistance of Gatton Shire Council.

Boyes, B. (2004). *Regional Ecosystem Management Principles for Gatton and Laidley Shires, South-East Queensland*. Appendix A to the Biodiversity Recovery Plan for Gatton and Laidley Shires, South-East Queensland 2003-2008. Version 2, 5 March 2004. Lockyer Catchment Association (LCA) Inc., Forest Hill.

© Bruce Boyes 2004.

Contents

1. Using this document.....	3
2. Regional Ecosystem 12.3.2.....	6
3. Regional Ecosystem 12.3.3.....	7
4. Regional Ecosystem 12.3.7.....	8
5. Regional Ecosystem 12.3.8 (and other wetland areas).....	9
6. Regional Ecosystem 12.3.11.....	10
7. Regional Ecosystem 12.5.1.....	11
8. Regional Ecosystem 12.5.6.....	12
9. Regional Ecosystem 12.8.1.....	13
10. Regional Ecosystem 12.8.4.....	14
11. Regional Ecosystem 12.8.9.....	15
12. Regional Ecosystem 12.8.14.....	16
13. Regional Ecosystem 12.8.16.....	17
14. Regional Ecosystem 12.8.17.....	18
15. Regional Ecosystem 12.8.19.....	19
16. Regional Ecosystem 12.8.21.....	20
17. Regional Ecosystem 12.9/10.2.....	21
18. Regional Ecosystem 12.9/10.3.....	22
19. Regional Ecosystem 12.9/10.5.....	23
20. Regional Ecosystem 12.9/10.6.....	24
21. Regional Ecosystem 12.9/10.7.....	25
22. Regional Ecosystem 12.9/10.11.....	26
23. Regional Ecosystem 12.9/10.14.....	27
24. Regional Ecosystem 12.9/10.15.....	28
25. Regional Ecosystem 12.9/10.19.....	29
26. Regional Ecosystem 12.11.3.....	30
27. Regional Ecosystem 12.11.5.....	31
28. Regional Ecosystem 12.11.6.....	32
29. Regional Ecosystem 12.11.9.....	33
30. Regional Ecosystem 12.12.3.....	34
31. Regional Ecosystem 12.12.5.....	35
32. Regional Ecosystem 12.12.15.....	36

1. Using this document

1.1 Introduction

This document should be used in conjunction with *Descriptions, Habitat and Threats for the Significant Species and Ecological Communities of Gatton and Laidley Shires, South-East Queensland* (Appendix B to the Biodiversity Recovery Plan for Gatton and Laidley Shires, South-East Queensland 2003-2008), which can be viewed or purchased at the Lockyer Catchment Centre.

This document has been prepared to:

- Assist landholders in Gatton and Laidley Shires to better manage the biodiversity on their properties; and
- Assist the preparation and assessment of development and vegetation clearing applications in Gatton and Laidley Shires.

This document has been prepared as Appendix A to the *Biodiversity Recovery Plan for Gatton and Laidley Shires South-East Queensland 2003-2008*. The full *Biodiversity Recovery Plan* can be viewed or purchased at the Lockyer Catchment Centre.

1.2 How to use this document

This document should be used as follows:

Step 1	Obtain <u>Version 4.0 of the Queensland Herbarium Regional Ecosystem mapping</u> for the subject land from Gatton Shire Council, Laidley Shire Council, the Lockyer Catchment Centre, or an office of the Queensland Department of Natural Resources, Mines and Energy (fees may apply for access to, or the copying of, mapping products).
Step 2	From the Queensland Herbarium Regional Ecosystem mapping, identify which Regional Ecosystems are present on the subject land.
Step 3	Refer to the relevant <u>Regional Ecosystem profiles</u> in this document.
Step 4	Consult the <u>Vegetation mapping & assessment references</u> given for each Regional Ecosystem, using the following reports and accompanying maps (fees may apply for access to, or the copying of, mapping and report products): <ul style="list-style-type: none">• In Gatton Shire - <i>Gatton Shire Vegetation Mapping Report</i>, which can be viewed at Gatton Shire Council or the Lockyer Catchment Centre.• In Laidley Shire - <i>An Assessment of Native Vegetation Areas within Laidley Shire</i>, which can be viewed at Laidley Shire Council or the Lockyer Catchment Centre.

Step 5	Obtain <u>Significant Species mapping</u> for the subject land from Gatton Shire Council or Laidley Shire Council (fees may apply for access to, or the copying of, mapping products).
Step 6	<p><u>Conserve known populations</u> of the significant species listed for each Regional Ecosystem. Where possible, carry out surveys to identify any <u>additional populations</u> of the significant species and conserve these populations.</p> <p>The significant species listed for each Regional Ecosystem are the species that are known to utilise that Regional Ecosystem habitat within the Gatton and Laidley Shire area. These species may or may not be present in patches of that Regional Ecosystem on a given property at a given time. However, the presence or absence of a particular species at any given time does not mean that it is not using the Regional Ecosystem habitat at other times. For example, a particular bird species may utilise several scattered patches of the same Regional Ecosystem habitat. It may be found in only one patch at a given time, but need all of the patches for its survival. In another example, a particular plant species may appear to be absent, but is actually present as seeds that will germinate after the next fire.</p> <p>Any species shown as having a ‘potential occurrence’ has not been recorded in that Regional Ecosystem habitat within the Gatton and Laidley Shire area, but is likely to be present.</p> <p>For more detailed information in regard to the conservation of particular significant species, refer to the accompanying document <i>Descriptions, Habitat and Threats for the Significant Species and Ecological Communities of Gatton and Laidley Shires, South-East Queensland</i> (Appendix B to the Biodiversity Recovery Plan for Gatton and Laidley Shires, South-East Queensland 2003-2008).</p>
Step 7	<p><u>If development or vegetation clearing is proposed</u>, determine whether approval is required from the relevant Council, and whether the clearing is permissible under State and Commonwealth legislation. In the first instance, consult the relevant Council (either Gatton or Laidley Shire Council) and the Queensland Department of Natural Resources, Mines and Energy.</p> <p>Both Gatton and Laidley Shire Councils have policies in place that restrict vegetation clearing in certain circumstances. The Department of Natural Resources, Mines and Energy administers State land clearing legislation. Approval from the Commonwealth Government may be required prior to clearing the habitat of any nationally listed threatened species - refer to the ‘Status EPBC’ column in the tables in Section 2 of the accompanying document <i>Descriptions, Habitat and Threats for the Significant Species and Ecological Communities of Gatton and Laidley Shires, South-East Queensland</i> (Appendix B to the Biodiversity Recovery Plan for Gatton and Laidley Shires, South-East Queensland 2003-2008).</p>

<p>Step 8</p>	<p>Prepare a <u>property management plan</u> that conserves the habitat of the significant species listed for each Regional Ecosystem. The property management plan should address:</p> <ul style="list-style-type: none"> • <u>Vegetation assessment reference information</u> from Step 4 above. • <u>Habitat and threat information</u> from the accompanying document <i>Descriptions, Habitat and Threats for the Significant Species and Ecological Communities of Gatton and Laidley Shires, South-East Queensland</i> (Appendix B to the Biodiversity Recovery Plan for Gatton and Laidley Shires, South-East Queensland 2003-2008). • <u>Appropriate land use and management</u>. See (a) <i>Land Use Planning Handbook for the Lockyer Catchment</i>, (b) <i>Living in the Lockyer - A Landholders Guide to Land, Water, Wildlife and Vegetation Management in the Lockyer Catchment and Surrounds</i> and (c) <i>Living in the Lockyer - Property Management Planning Kit</i>, all of which can be viewed or purchased at the Lockyer Catchment Centre. • <u>Appropriate fire regimes</u>. See the products and materials from the South-East Queensland Fire and Biodiversity Consortium, which can be downloaded from http://www.gu.edu.au/school/asc/fire2/home.html • <u>Appropriate grazing practices</u>. See the CSIRO publication <i>Balancing Conservation and Production: Understanding and Using Landscape Thresholds in Property Planning</i>, which can be downloaded from http://www.cse.csiro.au/research/Program3/SR/Learning%20Module.PDF • <u>Appropriate timber harvesting and thinning practices</u>. Consult the Department of Natural Resources, Mines and Energy. • <u>Actions for pest plant and animal control</u>. See the Department of Natural Resources, Mines and Energy fact sheets at http://www.nrm.qld.gov.au/factsheets/index.phtml <p><u>Note:</u> Fees may apply for access to, or the copying of, some of the above information.</p>
<p>Step 9</p>	<p>Where possible, establish a Nature Refuge Agreement, Voluntary Conservation Covenant (VCC), Voluntary Conservation Agreement (VCA) and/or Land for Wildlife registration. For further information on these programs consult Gatton Shire Council, Laidley Shire Council, the Lockyer Catchment Centre.</p>

The Lockyer Catchment Centre is located at the corner of Hunt and Railway Streets, Forest Hill and can be contacted on 07 5465 4400. Full reference listings for the above information sources can be found in the *Biodiversity Recovery Plan for Gatton and Laidley Shires South-East Queensland 2003-2008*, which can be viewed or purchased at the Lockyer Catchment Centre.

2. Regional Ecosystem 12.3.2

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 3d • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus pilularis (Blackbutt), Eucalyptus microcorys (Tallow wood) ± <i>Eucalyptus tereticornis</i>, <i>Corymbia intermedia</i>, <i>Lophostemon confertus</i>, <i>Lophostemon suaveolens</i>, <i>Archontophoenix cunninghamiana</i> (occasional), <i>Callistemon viminalis</i> and rainforest tree and shrub species</i></p>
<p>General structure</p> <p>Extremely/very tall open forest/woodland</p>
<p>Significant RE status</p> <p>No concern at present</p>
<p>Significant plants</p> <p><i>Macrozamia lucida</i> (Pineapple zamia)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p><i>Adelotus brevis</i> (Tusked frog)</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Phascolarctos cinereus</i> (Koala)</p>

3. Regional Ecosystem 12.3.3

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 3b, 3c • Laidley Shire vegetation code(s) 1a, 1b, 11, 11b
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus tereticornis</i> (Queensland blue gum, Forest red gum) ± <i>Eucalyptus crebra</i> ± <i>Corymbia citriodora</i> ± <i>Corymbia intermedia</i> ± <i>Angophora subvelutina/floribunda</i> ± <i>Corymbia clarksoniana</i> ± <i>Corymbia tessellaris</i></p>
<p>General structure</p> <p>Grassy open forest to woodland</p>
<p>Significant RE status</p> <p>Endangered</p>
<p>Significant plants</p> <p><i>Picris evae</i> (Hawk weed) (potential occurrence)</p> <p><i>Stemmacantha australis</i> (Native thistle) (potential occurrence)</p> <p><i>Thesium australe</i> (Thesium) (potential occurrence)</p> <p><i>Wahlenbergia scopulicola</i> (A herb with no common name) (potential occurrence)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p><i>Adelotus brevis</i> (Tusked frog)</p> <p><i>Cyclorana alboguttata</i> (Greenstripe frog)</p> <p><i>Cyclorana brevipes</i> (Superb collared-frog)</p> <p><i>Cyclorana verrucosa</i> (Warty water-holding frog, Rough frog)</p> <p><i>Limnodynastes salmini</i> (Salmon-striped frog)</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrorchis radiatus</i> (Red goshawk)</p>
<p>Significant mammals</p> <p><i>Phascolarctos cinereus</i> (Koala)</p>

4. Regional Ecosystem 12.3.7

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 3a • Laidley Shire vegetation code(s) 2
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus tereticornis</i> (Queensland blue gum, Forest red gum), <i>Casuarina cunninghamiana</i> (River she-oak), <i>Callistemon viminalis</i> (Weeping bottlebrush) ± <i>Waterhousea floribunda</i> ± <i>Castanospermum australe</i> ± <i>Lomandra hystrix/longifolia</i> ± <i>Melaleuca bracteata</i> ± <i>Lophostemon suaveolens</i> ± <i>Maclura cochinchinensis</i></p>
<p>General structure Shrubby open forest to woodland sometimes with closed understorey</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants Nil</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians <i>Adelotus brevis</i> (Tusked frog) <i>Cyclorana alboguttata</i> (Greenstripe frog) <i>Cyclorana brevipes</i> (Superb collared-frog) <i>Cyclorana verrucosa</i> (Warty water-holding frog, Rough frog) <i>Limnodynastes salmini</i> (Salmon-striped frog)</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl) <i>Rallus pectoralis</i> (Lewin's rail) <i>Rostratula benghalensis</i> (Painted snipe)</p>
<p>Significant mammals <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Phascolarctos cinereus</i> (Koala)</p>

5. Regional Ecosystem 12.3.8 (and other wetland areas)

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • <i>Lockyer Wetlands Directory</i>, which can be viewed or purchased at the Lockyer Catchment Centre.
<p>Floristic description (constant characteristic species in bold type) Natural and artificial wetlands including Regional Ecosystem 12.3.8</p>
<p>General structure Natural and artificial wetlands</p>
<p>Significant RE status Of-concern</p>
<p>Significant plants <i>Brasenia schreberi</i> (Watershield) <i>Carex lophocarpa</i> (A sedge) <i>Cyperus gunnii</i> subsp. <i>novae-hollandiae</i> (Flecked flatsedge) <i>Cyperus squarrosus</i> (Bearded flatsedge) <i>Damasonium minus</i> (Starfruit) <i>Eryngium vesiculosum</i> (Prostrate blue devil) <i>Potamogeton pectinatus</i> (Sago pondweed)</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians <i>Cyclorana alboguttata</i> (Greenstripe frog) <i>Cyclorana brevipes</i> (Superb collared-frog) <i>Cyclorana verrucosa</i> (Warty water-holding frog, Rough frog) <i>Limnodynastes salmini</i> (Salmon-striped frog)</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Accipiter novaehollandiae</i> (Grey goshawk) <i>Ephippiorhynchus asiaticus</i> (Black-necked stork) <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Falco hypoleucos</i> (Grey falcon) <i>Melithreptus gularis</i> (Black-chinned honeyeater) <i>Nettapus coromandelianus</i> (Cotton pygmy-goose) <i>Rallus pectoralis</i> (Lewin's rail) <i>Rostratula benghalensis</i> (Painted snipe) <i>Stictonetta naevosa</i> (Freckled duck)</p>
<p>Significant mammals Nil</p>

6. Regional Ecosystem 12.3.11

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 3e • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus tereticornis</i> (Queensland blue gum, Forest red gum), <i>Melaleuca quinquenervia</i> (Coastal paperbark) ± <i>Corymbia intermedia</i></p>
<p>General structure Tall woodland to tall open forest</p>
<p>Significant RE status Of concern</p>
<p>Significant plants <i>Picris euae</i> (Hawk weed) (potential occurrence) <i>Thesium australe</i> (Thesium) (potential occurrence) <i>Wahlenbergia scopulicola</i> (A herb with no common name) (potential occurrence)</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians <i>Adelotus brevis</i> (Tusked frog) <i>Cyclorana alboguttata</i> (Greenstripe frog) <i>Cyclorana brevipes</i> (Superb collared-frog) <i>Cyclorana verrucosa</i> (Warty water-holding frog, Rough frog) <i>Limnodynastes salmini</i> (Salmon-striped frog)</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk)</p>
<p>Significant mammals <i>Phascolarctos cinereus</i> (Koala)</p>

7. Regional Ecosystem 12.5.1

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 5c, 5d, 5e • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Corymbia trachyphloia</i> (Brown bloodwood), <i>Corymbia citriodora/henryi</i> (Spotted gum/Large-leaved spotted gum) ± <i>Eucalyptus helidonica</i> ± <i>Eucalyptus taurina</i> ± <i>Eucalyptus dura</i> ± <i>Eucalyptus fibrosa</i> subsp. <i>fibrosa</i> ± <i>Corymbia gummifera</i> ± <i>Angophora woodsiana</i> ± <i>Eucalyptus planchoniana</i> ± <i>Lysicarpus angustifolius</i></p>
<p>General structure</p> <p>Shrubby open forest to woodland</p>
<p>Significant RE status</p> <p>No concern at present</p>
<p>Significant plants</p> <p><i>Acacia leichhardtii</i> (A shrub with no common name) <i>Caustis blakei</i> subsp. <i>macrantha</i> (Foxtails, 'Koala fern') <i>Eucalyptus helidonica</i> (Helidon Hills white mahogany) <i>Eucalyptus taurina</i> (Helidon Hills ironbark) <i>Grevillea quadricauda</i> (A shrub with no common name) <i>Grevillea singuliflora</i> (Single-flower grevillea) <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence) <i>Leionema obtusifolium</i> (Helidon Hills phebalium) <i>Lysicarpus angustifolius</i> (Budgeroo) <i>Paspalidium grandispiculatum</i> (Helidon Hills panic) <i>Poranthera</i> sp. (Mt. Ballow G. Leiper AQ502886) (Mt. Beerwah poranthera)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p><i>Delma torquata</i> (Collared delma)</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Phascolarctos cinereus</i> (Koala) <i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo) <i>Pseudomys novaehollandiae</i> (New Holland mouse)</p>

8. Regional Ecosystem 12.5.6

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 5a, 5b, 8c • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus pilularis (Blackbutt)</i> ± <i>Eucalyptus microcorys</i> ± <i>Eucalyptus helidonica</i> ± <i>Corymbia trachyphloia</i> ± <i>Corymbia intermedia</i> ± <i>Eucalyptus biturbinata</i> ± <i>Angophora woodsiana</i></p>
<p>General structure</p> <p>Shrubby to grassy open forest</p>
<p>Significant RE status</p> <p>Endangered</p>
<p>Significant plants</p> <p><i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Accipiter novaehollandiae</i> (Grey goshawk)</p> <p><i>Calyptorhynchus lathami</i> (Glossy black-cockatoo)</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk)</p> <p><i>Ninox strenua</i> (Powerful owl)</p> <p><i>Tyto novaehollandiae</i> (Masked owl (southern subsp.))</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p> <p><i>Phascolarctos cinereus</i> (Koala)</p> <p><i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo)</p> <p><i>Pseudomys novaehollandiae</i> (New Holland mouse)</p>

9. Regional Ecosystem 12.8.1

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gattton Shire map unit(s) 8h • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus saligna</i> (Sydney blue gum), <i>Eucalyptus campanulata</i> (New England blackbutt) ± <i>Eucalyptus eugenioides</i> ± <i>Eucalyptus laevopinea</i></p>
<p>General structure Shrubby to grassy open forest</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence)</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians <i>Litoria brevipalmata</i> (Green-thighed frog) (potential occurrence) <i>Litoria pearsoniana</i> (Cascade treefrog) (potential occurrence) <i>Mixophyes fleayi</i> (Fleay's barred-frog)</p>
<p>Significant reptiles <i>Coeranoscincus reticulatus</i> (Three-toed snake-toothed skink) <i>Hoplocephalus stephensii</i> (Stephen's banded snake) (potential occurrence)</p>
<p>Significant birds <i>Climacteris erythroptera</i> (Red-browed treecreeper) <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl) <i>Tyto tenebricosa</i> (Sooty owl) (potential occurrence)</p>
<p>Significant mammals <i>Chalinolobus dwyeri</i> (Large-eared pied bat) <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Kerivoula papuensis</i> (Golden-tipped bat) <i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo) <i>Pseudomys oralis</i> (Hasting's River mouse) (potential occurrence)</p>

10. Regional Ecosystem 12.8.4

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 8n • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Argyrodendron actinophyllum</i> (Black jack, Black booyong), <i>Sloanea woollsii</i> (Yellow carabeen), <i>Elaeocarpus kirtonii</i> (Silver quandong), <i>Ficus</i> spp. (Fig species), <i>Orites excelsa</i> (Prickly ash, White beefwood), <i>Dysoxylum fraserianum</i> (Rosewood, Rose mahogany), <i>Araucaria cunninghamii</i> (Hoop pine)</p>
<p>General structure Complex notophyll closed forest</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants Nil</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians <i>Kyarranus kundagungan</i> (Red-and-yellow mountain-frog) <i>Lechriodus fletcheri</i> (Black-soled frog) <i>Litoria brevipalmata</i> (Green-thighed frog) (potential occurrence) <i>Litoria pearsoniana</i> (Cascade treefrog) (potential occurrence) <i>Mixophyes fleayi</i> (Fleay's barred-frog)</p>
<p>Significant reptiles <i>Coeranoscincus reticulatus</i> (Three-toed snake-toothed skink) <i>Hoplocephalus stephensii</i> (Stephen's banded snake) (potential occurrence)</p>
<p>Significant birds <i>Accipiter novaehollandiae</i> (Grey goshawk) <i>Atrichornis rufescens</i> (Rufous scrub-bird) (potential occurrence) <i>Cyclopsitta diophthalma coxeni</i> (Coxen's fig-parrot) (potential occurrence) <i>Menura alberti</i> (Albert's lyrebird) <i>Podargus ocellatus plumiferous</i> (Plumed frogmouth) (potential occurrence) <i>Tyto tenebricosa</i> (Sooty owl) (potential occurrence)</p>
<p>Significant mammals <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Kerivoula papuensis</i> (Golden-tipped bat)</p>

11. Regional Ecosystem 12.8.9

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 8e • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Lophostemon confertus (Brush box)</i> ± (<i>Eucalyptus tereticornis</i>, <i>Eucalyptus biturbinata</i>, <i>Eucalyptus eugenioides</i>, <i>Eucalyptus melliodora</i>, emergents) ± <i>Allocasuarina torulosa</i>, with mixed rainforest/riparian species and fern species</p>
<p>General structure Tall open forest</p>
<p>Significant RE status Of concern</p>
<p>Significant plants <i>Hibbertia monticola</i> (potential occurrence)</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians <i>Kyarranus kundagungan</i> (Red-and-yellow mountain-frog) <i>Lechriodus fletcheri</i> (Black-soled frog) <i>Litoria brevipalmata</i> (Green-thighed frog) (potential occurrence) <i>Litoria pearsoniana</i> (Cascade treefrog) (potential occurrence) <i>Mixophyes fleayi</i> (Fleay's barred-frog)</p>
<p>Significant reptiles <i>Coeranoscincus reticulatus</i> (Three-toed snake-toothed skink) <i>Hoplocephalus stephensii</i> (Stephen's banded snake) (potential occurrence)</p>
<p>Significant birds <i>Calyptorhynchus lathami</i> (Glossy black-cockatoo) <i>Climacteris erythroptera</i> (Red-browed treecreeper) <i>Cyclopsitta diophthalma coxeni</i> (Coxen's fig-parrot) (potential occurrence) <i>Menura alberti</i> (Albert's lyrebird) <i>Podargus ocellatus plumiferous</i> (Plumed frogmouth) (potential occurrence) <i>Tyto tenebricosa</i> (Sooty owl) (potential occurrence)</p>
<p>Significant mammals <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Kerivoula papuensis</i> (Golden-tipped bat) <i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo) <i>Pseudomys oralis</i> (Hasting's River mouse) (potential occurrence)</p>

12. Regional Ecosystem 12.8.14

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 8a, 8b, 8c, 8i • Laidley Shire vegetation code(s) 4c
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus eugenioides</i> (Thin-leaved stringybark, White stringybark), <i>Eucalyptus biturbinata</i> (Grey gum), <i>Eucalyptus melliodora</i> (Yellow box, Honey box), <i>Eucalyptus tereticornis</i> (Queensland blue gum, Forest red gum) ± <i>Eucalyptus crebra</i> ± <i>Angophora floribunda/subvelutina</i> ± <i>Eucalyptus quadrangulata</i> ± <i>Allocasuarina torulosa</i></p>
<p>General structure Grassy open forest</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants <i>Bothriochloa bunyensis</i> (Bunya bluegrass) <i>Dichanthium setosum</i> (Bristly bluegrass) <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence) <i>Picris evae</i> (Hawk weed) (potential occurrence) <i>Stemmacantha australis</i> (Native thistle) (potential occurrence) <i>Wahlenbergia scopulicola</i> (A herb with no common name) (potential occurrence)</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles <i>Hoplocephalus stephensii</i> (Stephen's banded snake) (potential occurrence)</p>
<p>Significant birds <i>Calyptorhynchus lathami</i> (Glossy black-cockatoo) <i>Climacteris erythropters</i> (Red-browed treecreeper) <i>Dasyornis brachypterus</i> (Eastern bristlebird) (potential occurrence) <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl) <i>Xanthomyza phrygia</i> (Regent honeyeater)</p>
<p>Significant mammals <i>Chalinolobus dwyeri</i> (Large-eared pied bat) <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Phascolarctos cinereus</i> (Koala) <i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo) <i>Pseudomys novaehollandiae</i> (New Holland mouse) <i>Pseudomys oralis</i> (Hasting's River mouse) (potential occurrence)</p>

13. Regional Ecosystem 12.8.16

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 8k • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus albens</i> (White box), <i>Eucalyptus crebra</i> (Narrow-leaved ironbark) ± <i>Eucalyptus tereticornis</i> ± <i>Eucalyptus melliodora</i> ± <i>Eucalyptus melanophloia</i> ± <i>Angophora floribunda</i> ± <i>Corymbia clarksoniana</i></p>
<p>General structure Grassy woodland</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants <i>Callitris baileyi</i> (Bailey's cypress pine) <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence)</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles <i>Hoplocephalus stephensii</i> (Stephen's banded snake) (potential occurrence)</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl) <i>Tyto novaehollandiae</i> (Masked owl (southern subsp.)) <i>Xanthomyza phrygia</i> (Regent honeyeater)</p>
<p>Significant mammals <i>Chalinolobus dwyeri</i> (Large-eared pied bat) <i>Chalinolobus picatus</i> (Little pied bat) <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Phascolarctos cinereus</i> (Koala) <i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo) <i>Pseudomys oralis</i> (Hasting's River mouse) (potential occurrence)</p>

14. Regional Ecosystem 12.8.17

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gattton Shire map unit(s) 8d • Laidley Shire vegetation code(s) 4c
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus crebra</i> (Narrow-leaved ironbark), <i>Eucalyptus melanophloia</i> (Silver leaf ironbark, Broad leaf ironbark) ± <i>Corymbia clarksoniana</i> ± <i>Corymbia tessellaris</i> ± <i>Eucalyptus tereticornis</i> ± <i>Angophora floribunda</i> ± <i>Eucalyptus melliodora</i> ± <i>Brachychiton populneus</i></p>
<p>General structure</p> <p>Grassy woodland</p>
<p>Significant RE status</p> <p>No concern at present</p>
<p>Significant plants</p> <p><i>Callitris baileyi</i> (Bailey's cypress pine)</p> <p><i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence)</p> <p><i>Picris evae</i> (Hawk weed) (potential occurrence)</p> <p><i>Stemmacantha australis</i> (Native thistle)</p> <p><i>Wahlenbergia scopulicola</i> (A herb with no common name) (potential occurrence)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p><i>Hoplocephalus stephensii</i> (Stephen's banded snake) (potential occurrence)</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk)</p> <p><i>Ninox strenua</i> (Powerful owl)</p> <p><i>Tyto novaehollandiae</i> (Masked owl (southern subsp.))</p>
<p>Significant mammals</p> <p><i>Chalinolobus dwyeri</i> (Large-eared pied bat)</p> <p><i>Chalinolobus picatus</i> (Little pied bat)</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p> <p><i>Phascolarctos cinereus</i> (Koala)</p> <p><i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo)</p> <p><i>Pseudomys novaehollandiae</i> (New Holland mouse)</p> <p><i>Pseudomys oralis</i> (Hasting's River mouse) (potential occurrence)</p>

15. Regional Ecosystem 12.8.19

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gattton Shire map unit(s) 8j • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p>Heterogeneous mix of trees (stunted), shrubs, forbs and grasses including <i>Eucalyptus tereticornis</i> (Queensland blue gum, Forest red gum), <i>Eucalyptus melliodora</i> (Yellow box, Honey box), <i>Angophora floribunda</i> (Rough barked apple), <i>Acacia</i> spp., <i>Bursaria spinosa</i> var. <i>macrophylla</i>, <i>Xanthorrhoea glauca</i>, <i>Hovea</i> spp., <i>Doryanthes palmeri</i>, <i>Cassinia</i> spp., <i>Pimelia linifolia</i>, <i>Plectranthus graveolens</i>, <i>Sorghum leiocladum</i>, <i>Poa</i> spp., <i>Themeda triandra</i>, <i>Asperula conferta</i> etc.</p>
<p>General structure</p> <p>Mid-high woodland/ open woodland or tall shrubland</p>
<p>Significant RE status</p> <p>Of concern</p>
<p>Significant plants</p> <p><i>Bothriochloa bunyensis</i> (Bunya bluegrass) <i>Dichanthium setosum</i> (Bristly bluegrass) <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence) <i>Picris evae</i> (Hawk weed) (potential occurrence) <i>Stemmacantha australis</i> (Native thistle) (potential occurrence) <i>Wahlenbergia scopulicola</i> (A herb with no common name) (potential occurrence)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Petrogale penicillata</i> (Brush-tailed rock wallaby) <i>Pseudomys novaehollandiae</i> (New Holland mouse) <i>Pseudomys oralis</i> (Hasting's River mouse) (potential occurrence)</p>

16. Regional Ecosystem 12.8.21

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 8m • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Brachychiton rupestris</i> (Narrow-leaved bottletree), <i>Flindersia australis</i> (Crow's ash), <i>Flindersia collina</i> (Broad-leaved leopard tree), <i>Vitex lignumvitae</i> (Lignum vitae), <i>Elattostachys xylocarpa</i> (White tamarind), <i>Ficus</i> spp. (Fig species), <i>Dendrocnide excelsa</i> (Giant stinging tree), <i>Arytera foveolata</i> (Pitted coogera) ± <i>Pouteria cotinifolia</i> var. <i>cotinifolia</i> ± <i>Erythroxylum australe</i> (<i>Araucaria cunninghamii</i> absent in Gatton & Laidley Shires)</p>
<p>General structure</p> <p>Microphyll closed forest to semi-evergreen vine thicket sometimes on boulder scree</p>
<p>Significant RE status</p> <p>Endangered</p>
<p>Significant plants</p> <p><i>Clematis fawcettii</i> (A woody climber with no common name) <i>Floydia praealta</i> (Ball nut, Opossum nut) (potential occurrence) <i>Sarcochilus dilatatus</i> (A small epiphyte with no common name)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p><i>Hoplocephalus stephensii</i> (Stephen's banded snake) (potential occurrence)</p>
<p>Significant birds</p> <p><i>Cyclopsitta diophthalma coxeni</i> (Coxen's fig-parrot) (potential occurrence) <i>Tyto tenebricosa</i> (Sooty owl) (potential occurrence)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Petrogale penicillata</i> (Brush-tailed rock wallaby)</p>

17. Regional Ecosystem 12.9/10.2

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gattton Shire map unit(s) 9a, 9c • Laidley Shire vegetation code(s) 5a, 5b
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Corymbia citriodora/henryi</i> (Spotted gum/Large-leaved spotted gum), <i>Eucalyptus crebra</i> (Narrow-leaved ironbark) ± <i>Angophora leiocarpa</i> ± <i>Corymbia intermedia</i> ± <i>Eucalyptus tereticornis</i> ± <i>Eucalyptus carnea</i> ± <i>Eucalyptus fibrosa</i> subsp. <i>fibrosa</i> ± <i>Eucalyptus tindaliae</i> ± <i>Eucalyptus major</i></p>
<p>General structure</p> <p>Shrubby open forest to woodland</p>
<p>Significant RE status</p> <p>No concern at present</p>
<p>Significant plants</p> <p><i>Callistemon formosus</i> (White cliff bottlebrush) <i>Mentha grandiflora</i> (Gorge pennyroyal) <i>Triplarina bancroftii</i> (A shrub with no common name)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythroriorchis radiatus</i> (Red goshawk) <i>Lathamus discolor</i> (Swift parrot) <i>Lophoictinia isura</i> (Square-tailed kite) <i>Melithreptus gularis</i> (Black-chinned honeyeater) <i>Ninox strenua</i> (Powerful owl) <i>Psephotus pulcherrimus</i> (Paradise parrot) (potential occurrence)</p>
<p>Significant mammals</p> <p><i>Chalinolobus picatus</i> (Little pied bat) <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

18. Regional Ecosystem 12.9/10.3

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 9d • Laidley Shire vegetation code(s) 13
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus moluccana</i> (Gum topped box, Grey box) ± <i>Corymbia citriodora</i> ± <i>Eucalyptus crebra</i> ± <i>Eucalyptus tereticornis</i> ± <i>Eucalyptus carnea</i> ± <i>Eucalyptus fibrosa</i> subsp. <i>fibrosa</i> ± <i>Eucalyptus major</i></p>
<p>General structure</p> <p>Grassy sometimes shrubby open forest</p>
<p>Significant RE status</p> <p>Of concern</p>
<p>Significant plants</p> <p><i>Acacia blakei</i> subsp. <i>diphylla</i> (Blake's wattle) <i>Acacia montana</i> (A shrub with no common name) <i>Bertya opponens</i> (Broad-leaved Bertya) <i>Callistemon formosus</i> (White cliff bottlebrush) <i>Eucalyptus sideroxylon</i> (Mugga, red ironbark)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Melithreptus gularis</i> (Black-chinned honeyeater) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

19. Regional Ecosystem 12.9/10.5

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 9b, 9f, 10a, 10b, 10c • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus helidonica</i> (Helidon Hills white mahogany), <i>Corymbia trachyphloia</i> (Brown bloodwood), <i>Corymbia citriodora</i> (Spotted gum), <i>Eucalyptus taurina</i> (Helidon Hills ironbark) ± <i>Lysicarpus angustifolius</i></p>
<p>General structure Shrubby open forest to woodland</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants <i>Acacia leichhardtii</i> (A shrub with no common name) <i>Allocasuarina inophloia</i> (Thready (Woolly)-barked oak) <i>Bertya</i> sp. (Helidon Hills G. Leiper AQ457013) (A shrub with no common name) <i>Caustis blakei</i> subsp. <i>macrantha</i> (Foxtails, 'Koala fern') <i>Eucalyptus helidonica</i> (Helidon Hills white mahogany) <i>Eucalyptus taurina</i> (Helidon Hills ironbark) <i>Gahnia clarkei</i> (Tall sawsedge) <i>Grevillea quadricauda</i> (A shrub with no common name) <i>Grevillea singuliflora</i> (Single-flower grevillea) <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence) <i>Leionema obtusifolium</i> (Helidon Hills phebalium) <i>Leptospermum lamellatum</i> (A shrub with no common name) <i>Lysicarpus angustifolius</i> (Budgeroo) <i>Melastoma affine</i> (Blue tongue) <i>Paspalidium grandispiculatum</i> (Helidon Hills panic) <i>Poranthera</i> sp. (Mt Ballow G. Leiper AQ502886) (Mt. Beerwah poranthera)</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles <i>Delma torquata</i> (Collared delma)</p>
<p>Significant birds <i>Calyptorhynchus lathami</i> (Glossy black-cockatoo) <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Lophoictinia isura</i> (Square-tailed kite) <i>Ninox strenua</i> (Powerful owl) <i>Tyto novaehollandiae</i> (Masked owl (southern subsp.))</p>
<p>Significant mammals <i>Chalinolobus picatus</i> (Little pied bat) <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Petrogale penicillata</i> (Brush-tailed rock wallaby) <i>Pseudomys novaehollandiae</i> (New Holland mouse)</p>

20. Regional Ecosystem 12.9/10.6

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 9j • Laidley Shire vegetation code(s) 8
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Acacia harpophylla</i> (Brigalow) ± <i>Casuarina cristata</i> ± <i>Brachychiton rupestris</i> ± <i>Acacia fasciculifera</i> ± <i>Alectryon diversifolius</i> ± <i>Santalum lanceolatum</i> ± <i>Carissa ovata</i></p>
<p>General structure</p> <p>Open forest</p>
<p>Significant RE status</p> <p>Endangered</p>
<p>Significant plants</p> <p>Nil</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

21. Regional Ecosystem 12.9/10.7

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 9h • Laidley Shire vegetation code(s) 4a, 4b
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus crebra</i> (Narrow-leaved ironbark) ± <i>Eucalyptus melanophloia</i> ± <i>Eucalyptus tereticornis</i> ± <i>Corymbia tessellaris</i> ± <i>Corymbia clarksoniana</i> ± <i>Allocasuarina luehmannii</i></p>
<p>General structure</p> <p>Grassy woodland (sometimes with vine thicket understorey)</p>
<p>Significant RE status</p> <p>Of concern</p>
<p>Significant plants</p> <p><i>Callitris baileyi</i> (Bailey's cypress pine) <i>Grevillea quadricauda</i> (A shrub with no common name) <i>Stemmacantha australis</i> (Native thistle) (potential occurrence)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p><i>Cyclorana alboguttata</i> (Greenstripe frog) <i>Cyclorana brevipes</i> (Superb collared-frog) <i>Cyclorana verrucosa</i> (Warty water-holding frog, Rough frog) <i>Limnodynastes salmini</i> (Salmon-striped frog)</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Geophaps scripta scripta</i> (Squatter pigeon (southern subsp.)) <i>Lathamus discolor</i> (Swift parrot) <i>Lophoictinia isura</i> (Square-tailed kite) <i>Neophema pulchella</i> (Turquoise parrot) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

22. Regional Ecosystem 12.9/10.11

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) Nil • Laidley Shire vegetation code(s) 3
<p>Floristic description (constant characteristic species in bold type) <i>Melaleuca tamariscina</i> subsp. <i>irbyana</i> (Bush-house paperbark) ± <i>Eucalyptus moluccana</i> ± <i>Eucalyptus tereticornis</i></p>
<p>General structure Low open forest or thicket with emergent eucalypts</p>
<p>Significant RE status Endangered</p>
<p>Significant plants Nil</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk)</p>
<p>Significant mammals Nil</p>

23. Regional Ecosystem 12.9/10.14

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 10d • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus pilularis (Blackbutt)</i> ± <i>Corymbia trachyphloia</i> ± <i>Eucalyptus helidonica</i> ± <i>Angophora woodsiana</i> ± <i>Eucalyptus microcorys</i> ± <i>Syncarpia verecunda</i> ± <i>Corymbia intermedia</i> ± <i>Allocasuarina torulosa</i></p>
<p>General structure</p> <p>Shrubby to grassy open forest</p>
<p>Significant RE status</p> <p>No concern at present</p>
<p>Significant plants</p> <p><i>Eucalyptus helidonica</i> (Helidon Hills white mahogany) <i>Gahnia clarkei</i> (Tall sawsedge) <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence) <i>Macrozamia lucida</i> (Pineapple zamia) <i>Melastoma affine</i> (Blue tongue) <i>Rubus probus</i> (A native raspberry)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Accipiter novaehollandiae</i> (Grey goshawk) <i>Calyptorhynchus lathami</i> (Glossy black-cockatoo) <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl) <i>Tyto novaehollandiae</i> (Masked owl (southern subsp.))</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

24. Regional Ecosystem 12.9/10.15

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 9i • Laidley Shire vegetation code(s) 9
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Flindersia australis</i> (Crow's ash), <i>Flindersia collina</i> (Broad-leaved leopard tree), <i>Brachychiton rupestris</i> (Narrow-leaved bottletree), <i>Acacia fasciculifera</i> (Rosewood), <i>Ficus spp. (Fig species)</i> ± <i>Flindersia xanthoxyla</i> ± <i>Vitex lignumvitae</i> ± <i>Excoecaria dallachyana</i> ± <i>Pouteria cotinifolia</i> var. <i>cotinifolia</i> ± <i>Bursaria incana</i> ± <i>Croton insularis</i> ± <i>Drypetes deplanchei</i> ± <i>Owenia venosa</i> ± <i>Secamone elliptica</i></p>
<p>General structure</p> <p>Microphyll closed forest to semi-evergreen vine thicket</p>
<p>Significant RE status</p> <p>Endangered</p>
<p>Significant plants</p> <p><i>Eucalyptus melanoleuca</i> (Yarraman ironbark) <i>Floydia praealta</i> (Ball nut, Opossum nut) (potential occurrence) <i>Sarcophilus dilatatus</i> (A small epiphyte with no common name)</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Cyclopsitta diophthalma coxeni</i> (Coxen's fig-parrot) (potential occurrence) <i>Turnix melanogaster</i> (Black-breasted button-quail)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

25. Regional Ecosystem 12.9/10.19

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 9f, 9g • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Corymbia citriodora/henryi</i> (Spotted gum/Large-leaved spotted gum), ± <i>Eucalyptus crebra</i> ± <i>Angophora woodsiana</i> ± <i>Eucalyptus fibrosa</i> subsp. <i>fibrosa</i> ± <i>Eucalyptus major</i></p>
<p>General structure</p> <p>Shrubby open forest to woodland</p>
<p>Significant RE status</p> <p>No concern at present</p>
<p>Significant plants</p> <p><i>Acacia blakei</i> subsp. <i>diphylla</i> (Blake's wattle) <i>Acacia montana</i> (A shrub with no common name) <i>Allocasuarina inophloia</i> (Thready (Woolly)-barked oak) <i>Bertya opposens</i> (Broad-leaved Bertya) <i>Boronia splendida</i> (Splendid Boronia) <i>Callistemon formosus</i> (White cliff bottlebrush) <i>Eucalyptus bakeri</i> (Baker's mallee) <i>Eucalyptus melanoleuca</i> (Yarraman ironbark) <i>Eucalyptus sideroxylon</i> (Mugga, red ironbark) <i>Grevillea quadricauda</i> (A shrub with no common name) <i>Hibbertia monticola</i> (Mountain guinea flower) (potential occurrence) <i>Melaleuca groveana</i> (Grove's paperbark) <i>Mentha grandiflora</i> (Gorge pennyroyal) <i>Sophora fraseri</i> (Brush sophora) <i>Triodia</i> sp. (Porcupine grass, Spinifex) (potential occurrence)</p>
<p>Significant invertebrates</p> <p><i>Nesolycaena albosericea</i> (Satin (blue) opal butterfly) (potential occurrence)</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Calyptorhynchus lathami</i> (Glossy black-cockatoo) <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Lophoictinia isura</i> (Square-tailed kite) <i>Ninox strenua</i> (Powerful owl) <i>Tyto novaehollandiae</i> (Masked owl (southern subsp.))</p>
<p>Significant mammals</p> <p><i>Chalinolobus picatus</i> (Little pied bat) <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Petrogale penicillata</i> (Brush-tailed rock wallaby) <i>Pseudomys novaehollandiae</i> (New Holland mouse)</p>

26. Regional Ecosystem 12.11.3

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 11c • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus pilularis (Blackbutt)</i> ± <i>Corymbia citriodora/henryi</i> ± <i>Eucalyptus biturbinata</i> ± <i>Eucalyptus microcorys</i></p>
<p>General structure Very tall open forest</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants Nil</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

27. Regional Ecosystem 12.11.5

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 11a • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Corymbia citriodora/henryi (Spotted gum/Coarse spotted gum), Eucalyptus crebra ± <i>Corymbia intermedia</i> ± <i>Eucalyptus major</i> ± <i>Eucalyptus melanophloia</i> ± <i>Eucalyptus tereticornis</i> ± <i>Eucalyptus microcorys</i> ± <i>Eucalyptus biturbinata</i> ± <i>Eucalyptus carnea</i> ± <i>Eucalyptus eugenioides</i> ± <i>Eucalyptus fibrosa</i> subsp. <i>fibrosa</i></i></p>
<p>General structure</p> <p>Tall woodland to tall open forest</p>
<p>Significant RE status</p> <p>No concern at present</p>
<p>Significant plants</p> <p>Nil</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

28. Regional Ecosystem 12.11.6

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 11d • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus tereticornis</i> (Queensland blue gum, Forest red gum), <i>Eucalyptus crebra</i> (Narrow-leaved ironbark) ± <i>Angophora subvelutina</i> ± <i>Eucalyptus melanophloia</i> ± <i>Corymbia intermedia</i></p>
<p>General structure Very tall open forest/woodland</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants Nil</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo)</p>

29. Regional Ecosystem 12.11.9

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 11b • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Eucalyptus tereticornis</i> (Queensland blue gum, Forest red gum), <i>Eucalyptus crebra</i> (Narrow-leaved ironbark) ± <i>Angophora subvelutina</i> ± <i>Eucalyptus melanophloia</i> ± <i>Corymbia intermedia</i> ± <i>Eucalyptus biturbinata</i> ± <i>Eucalyptus eugenioides</i> ± <i>Eucalyptus melliodora</i> ± <i>Allocasuarina torulosa</i></p>
<p>General structure</p> <p>Very tall open forest/woodland</p>
<p>Significant RE status</p> <p>Of concern</p>
<p>Significant plants</p> <p>Nil</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythroriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence) <i>Potorous tridactylus tridactylus</i> (Long-nosed potoroo)</p>

30. Regional Ecosystem 12.12.3

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 11a • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type)</p> <p><i>Corymbia citriodora/henryi</i> (Spotted gum/Coarse spotted gum), <i>Eucalyptus crebra</i> (Narrow-leaved ironbark) ± <i>Corymbia intermedia</i> ± <i>Eucalyptus major</i> ± <i>Eucalyptus melanophloia</i> ± <i>Eucalyptus tereticornis</i> ± <i>Eucalyptus microcorys</i> ± <i>Eucalyptus biturbinata</i> ± <i>Eucalyptus carnea</i> ± <i>Eucalyptus eugenioides</i> ± <i>Eucalyptus fibrosa</i> subsp. <i>fibrosa</i></p>
<p>General structure</p> <p>Tall woodland to tall open forest</p>
<p>Significant RE status</p> <p>Of concern</p>
<p>Significant plants</p> <p>Nil</p>
<p>Significant invertebrates</p> <p>Nil</p>
<p>Significant amphibians</p> <p>Nil</p>
<p>Significant reptiles</p> <p>Nil</p>
<p>Significant birds</p> <p><i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals</p> <p><i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

31. Regional Ecosystem 12.12.5

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 12a • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Corymbia citriodora</i> (Spotted gum), <i>Eucalyptus moluccana</i> (Gum topped box, Grey box), <i>Eucalyptus crebra</i> (Narrow-leaved ironbark) ± <i>Eucalyptus eugenioides</i> ± <i>Corymbia tessellaris</i> ± <i>Eucalyptus melanophloia</i> ± <i>Eucalyptus tereticornis</i></p>
<p>General structure Very tall open forest, tall open forest, tall woodland</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants Nil</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>

32. Regional Ecosystem 12.12.15

<p>Vegetation mapping & assessment references</p> <ul style="list-style-type: none"> • Gatton Shire map unit(s) 11c • Laidley Shire vegetation code(s) Nil
<p>Floristic description (constant characteristic species in bold type) <i>Eucalyptus pilularis (Blackbutt)</i> ± <i>Corymbia citriodora/henryi</i> ± <i>Eucalyptus biturbinata</i> ± <i>Eucalyptus microcorys</i></p>
<p>General structure Very tall open forest</p>
<p>Significant RE status No concern at present</p>
<p>Significant plants Nil</p>
<p>Significant invertebrates Nil</p>
<p>Significant amphibians Nil</p>
<p>Significant reptiles Nil</p>
<p>Significant birds <i>Erythrotriorchis radiatus</i> (Red goshawk) <i>Ninox strenua</i> (Powerful owl)</p>
<p>Significant mammals <i>Dasyurus maculatus maculatus</i> (Spotted-tailed quoll (southern subsp.)) (potential occurrence)</p>