

## Strategies To Meet Targets

*This chart suggests some targets and strategies that might be considered for "A Managed Future". How would you prioritise them?*

Strategies To Meet Targets	Costs	Priority
<p><b>Double Koala Habitat</b></p> <ul style="list-style-type: none"> <li>Buy development rights of land with significant vegetation, or near public land in the urban footprint (about \$1 million ha/pa)</li> <li>Give financial incentives to protect vegetation on properties for individual and clumped trees (est. \$250,000 pa)</li> <li>Provide support to residents to maintain trees on private property (estimated \$250,000)</li> <li>Plant open space areas (drainage reserves, sport, parkland) that does not reduce recreational opportunities (\$50,000 pa)</li> <li>Recognise all public land in urban areas to be designated as Koala Sustainability Area</li> </ul>	\$3 million	?
<p><b>Double Habitat Connectivity</b></p> <ul style="list-style-type: none"> <li>Encourage tree planting in backyards with incentive of long term assistance to manage (\$100,000 pa)</li> <li>Offset policies and actions created and identified, vegetation offsets occurring before habitat loss (\$50,000)</li> <li>Increase street tree planting with koala food and habitat trees (\$20,000)</li> <li>Place Vegetation Protection Orders across whole suburban areas, permit required for removal of trees of significance</li> </ul>	\$170,000	?
<p><b>Halve Koala Deaths on Roads</b></p> <ul style="list-style-type: none"> <li>Identify habitat linkages and key crossings</li> <li>Buy or provide incentives for covenants on land to secure corridors</li> <li>Facilitate and encourage fauna exclusion fencing across and along private properties (\$200,000 pa)</li> <li>Build overpass systems and underpasses (\$500,000 pa)</li> <li>Help Dept of Main Roads to design and construct fauna underpasses on state controlled roads throughout the Koala Coast (possible retention of 269 koalas/annum) (\$725,230)</li> <li>Boost public and alternative transport use, such as bicycles</li> <li>Ensure habitat clearing and major construction development considers critical koala movement periods or at a minimum allow koala movement through construction site</li> </ul>	\$1.4 million	?
<p><b>Double Community Awareness (Koala Active Community)</b></p> <ul style="list-style-type: none"> <li>Continue to educate children about koalas, through school activities and plantings</li> <li>Conduct wide community engagement on threats, value and actions to protect koalas</li> <li>Use information technologies to improve ability to find and see koalas in wild</li> <li>Access regional educational programs</li> <li>Support and encourage business use of koalas for logos, a koala friendly campaign and accreditation</li> <li>Enhanced tourism opportunities with better accessibility to koala spotting tours. Shire can be promoted as home of the "urban koala"</li> <li>Conduct social, economic and environmental research into koalas as well as annual population surveys</li> </ul>	\$150,000	?
<p><b>Halve Dog Attacks</b></p> <ul style="list-style-type: none"> <li>Dogs to be constrained at night in whole Shire</li> <li>Create 'no dog' areas adjoining or next to koala corridors, koala sustainability areas</li> <li>Complaints based investigation (\$180,000)</li> <li>Full inspection program (\$475,000)</li> <li>Support local dog trainers/groups in making community aware of koalas in the Shire and responsible dog management</li> <li>Pest animal and weed control</li> </ul>	\$180,000 to \$475,000	?
<p><b>Increase Cooperative Management</b></p> <ul style="list-style-type: none"> <li>Federal, state, local government and the community work in partnership</li> <li>Recognise roles and responsibilities and commitment of all parties to koala conservation</li> </ul>		?

**Total Cost + \$5,195,000 divided into 60,829 lots = \$84.50 per lot p.a.**

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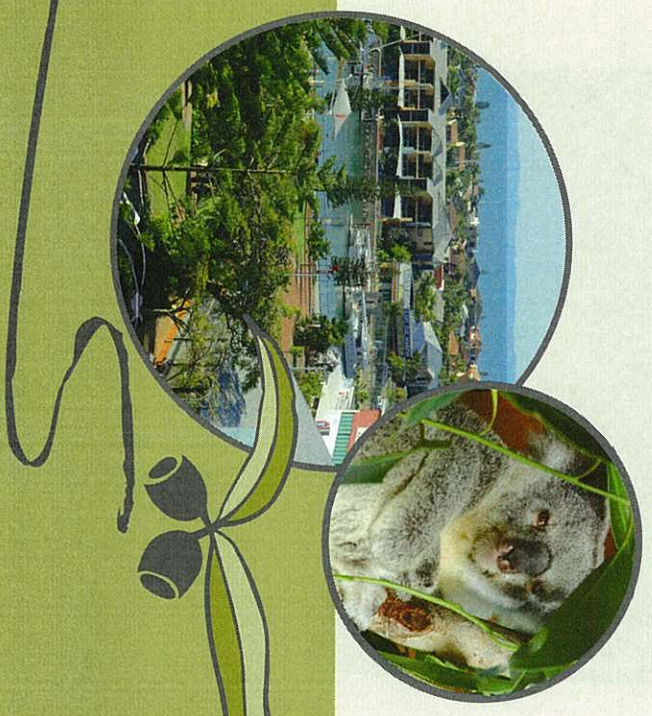
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# Koala Futures DISCUSSION PAPER

Koala Summit  
2-3 November 2007



- 2939 koalas live in the Redlands, representing the largest urban koala population in Australia
  - 4611 koalas in Koala Coast region of SE Queensland
  - Koala Coast koala population has declined 26% in last decade
  - Loss of habitat, disease, road deaths and dog attacks are key causes
  - At this rate koalas will be extinct in Koala Coast in 25 years
  - Koalas listed as "vulnerable" and RSC supports an "endangered" listing by State Government.
- This discussion paper outlines the challenges and opportunities for future urban koala sustainability. It will promote discussion at the Koala Summit around these themes:
- Governance issues including koala conservation practices in the Redlands and elsewhere.
  - Social - viewpoints from young people, dog owners, social change researchers.
  - Environment - koala conservation and challenges developers face when building in environmentally sensitive habitats.
  - Economic - opportunities for eco-tourism, cost of potential actions and impact on lifestyle.



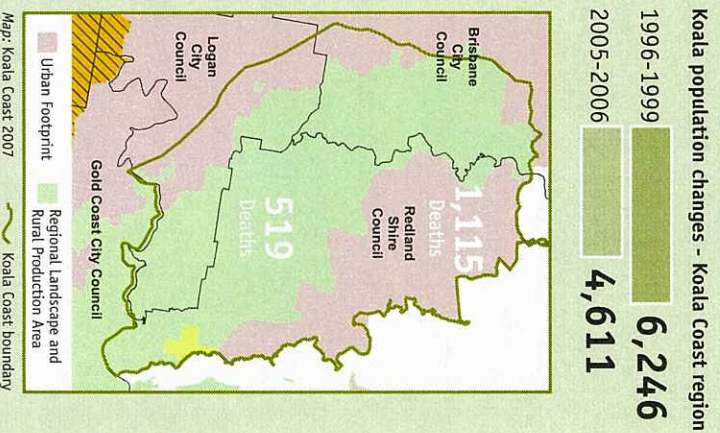


● Koala sightings

## The Present - 2007

### Key Koala facts

- Redlands koala population is currently 2,939
- Koala Coast population is 4,611
- Since 1999 koalas have declined by:
  - 27% in the Redlands
  - 26% in Koala Coast
  - 1115 lost in urban areas of Koala Coast
  - 519 lost in rural areas of Koala Coast
- Bushland habitat alone will not maintain population levels
- Urban and bushland koala populations are inter-dependent
- Koalas are part of the Redland identity
- Koalas are an iconic species - locally, nationally and internationally
- Tourism economic value \$2.5 billion nationally
- 72% of visitors want to see koalas



The Koala Coast region is an area designated as key koala habitat. It encompasses parts of Redland Shire, Brisbane City and Logan City.



● Estimated koala sightings ● RPS - Bushland habitat enhancement corridor & area

## 10 years on: no change

This scenario shows a koala population in 10 years if no action is taken to address threats to koalas such as lack of habitat/disease, road death and dog attacks.

It would result in:

- habitat loss being less than habitat gained,
- loss of trees on properties as infill occurs,
- the need for more road and transport infrastructure, severing of wildlife habitat,
- dog attacks continuing on koalas,
- koalas will be more difficult to find
- genetic diversity decreases

Projected Koala Population (based on current death rate)	Urban footprint	Koala coast
2013	396	2796
2020	0	2137
2027	0	1618
2036	0	580
2043	0	61

Experts agree that loss of habitat is the biggest cause of koala deaths. This causes stress, disease and greater risk of road death and dog attack as they venture further afield for food trees.

### Causes of Koala Deaths - 2007



● Estimated koala sightings ● RPS - Bushland habitat enhancement corridor & area ■ Street tree planting ■ Urban koala zone

## 10 years on: a managed future

This scenario shows what could happen with an integrated, managed future with actions taken to address key causes of deaths and stabilising the koala population.

It would result in:

- maintained and increased habitat; using street trees, open space, private properties, fauna underpasses and dog control regulation,
- whole of community approach
- key linkage areas identified and legally protected
- financial incentives to help residents look after and manage vegetation on private land
- 'no dog zones' or limit of dogs in key areas, with dogs constrained at night
- helping koalas move safely across roads using fences, under and overpasses
- facilitating koalas to move easily through residential areas with fauna friendly fencing
- revegetated concrete drainage areas to connect habitat, walking tracks and water quality purposes (34.8 ha)
- reviewing planning scheme tools to ensure infill development considers koala

NOTE: We have drafted this document using the best available information. All calculations and figures are estimates to stimulate discussion.