



Redlands Koala Policy and Implementation Strategy 2008

Working together to stop koala decline

Head of power

The strategic priority for the natural environment in the Redland City Council Corporate Plan is to 'ensure the enhancement of biodiversity including koala habitat, bushland, greenspace, waterway catchments, air and coastal ecosystems in recognition of our unique location on Moreton Bay'.

The policy responds to the listing of the koala as '*vulnerable*' in the south-east Queensland bio-region under the *Nature Conservation Act 1992* and Council's recognition of the koala as '*endangered*' within the *Koala Coast Region*. It also applies to the koala population of North Stradbroke Island, which is considered to be the only naturally occurring island population in the world.

The concept of the Koala Coast Region was first used by the 'State Planning Policy 1/97 Conservation of Koalas in the Koala Coast' to describe those parts of Logan City, Brisbane City and the entire mainland of Redland City local government areas bounded by Moreton Bay, the Logan River, Gold Coast Motorway and Gateway Motorway.

Policy objective

To provide a new vision and to meet community expectations to stop the rapid continuing decline of koalas by 2011 and take immediate action to recover the existing population to more than 5000 koalas in the Koala Coast by 2014.

To educate the whole community that Redlands habitat and its koalas are special, unique and integral to the environmental, social, cultural, and economic wellbeing of our community.

To measure, map and recognise in the State Koala Plan the unique North Stradbroke Island koala population.

Policy statement

Redland City Council and its community in partnership with relevant state government departments, businesses, neighbouring local governments in the Koala Coast region will take the appropriate policy actions in the following areas:

1. Impacts of urbanisation and its future growth on the koala population.
2. Road and rail koala deaths.
3. Dog attacks on koalas.
4. Protect, enhance and increase koala habitat.
5. Improvement to koala movement in our neighbourhoods and backyards.
6. Increased commitment to the level of funding for koala research and monitoring.
7. Creation of a 'Koala Active Community', which understands its role and takes positive action for the long term survival of koalas.
8. Preparation of a detailed and costed implementation strategy.

Abbreviations

Redland City Council departments

EM = Environmental Management Group

LUP = Land Use Planning Group

DA = Development Assessment team

LS = Legal services

M&C = Marketing and Communications

EE = Environmental Education

IP = Infrastructure Planning

PDG = Project Delivery Group

P&C = Parks and Conservation

AC = Animal Control

C&SP = Community and Social Planning

C&CS = Customer and Community Services

LL = Local Laws team

IDS = Integrated Development Services

O&M = Operations and Maintenance

State Government departments

QPWS = Queensland Parks and Wildlife Service

EPA = Environmental Protection Agency

MR = Main Roads

QR = Queensland Rail

Other councils

LCC = Logan City Council

BCC = Brisbane City Council

Other non-government organisations

RSPCA = Royal Society for the Prevention of Cruelty to Animals

CRL = Consolidated Rutile Limited

Universities

UQ = University of Queensland

QUT = Queensland University of Technology

Time frames

Ongoing – These actions will continually be dealt with throughout the policies life

Immediate – The actions will commence in the next 12 months

Short – The actions will be undertaken in the next 2 years

Long – The actions will be undertaken in the next 3 years

Policy Statement 1
Impacts of urbanisation and its future growth on the koala population

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
1.1	Stop koala habitat loss	1.1.1 Prioritise infill development over greenfield development while taking considerable care in the protection and enhancement of koala habitat and minimal disruption to koala movement within the urban footprint.	Protection of koala habitat through appropriate planning mechanism.	Immediate	LUP, EM, EPA	Officer time
		1.1.2 Protection and enhancement of habitat (with an overall net gain of habitat within the urban footprint through Vegetation Protection Orders, acquisition of land, development contributions etc).	Increase in habitat within the urban footprint.	Immediate	EM, LUP	Officer time
		1.1.3 Immediate adoption of Biodiversity Friendly Urban Design (BFUD) into Redlands Planning Scheme (RPS) and prioritisation of BFUD over non BFUD developments.	Increased protection of koala habitat and improve development design for koalas.	Immediate	EM, LUP	Officer time
		1.1.4 Review of existing RPS to identify koala habitat within the urban footprint through Environmental Inventory 4.3.	Increased identification of koala habitat.	Short	EM	Officer time
		1.1.5 Review of existing RPS to identify individual and clumped koala habitat within the urban footprint.	Increased protection of individual trees and clumps of koala habitat.	Short	EM	Officer time
		1.1.6 Explore implementation of Biodiversity Banking and the creation of habitat offset mechanisms within the next 12 months for Redlands.	Increase in koala habitat.	Short	EM, EPA	Officer time
		1.1.7 No new arterial roads constructed outside of existing priority infrastructure network and any unavoidable loss of habitat to be offset replanting is required two to five years prior to habitat loss.	Maintain koala habitat.	Long	EM, LUP, IP	Officer time
		1.1.8 Design roads with reduced median strips to allow greater retention of koala habitat trees on the edge of road corridors.	Maintain and increase koala habitat.	Immediate	EM, IP, DA, MR	Officer time
1.2	Limit post development impacts	1.2.1 Infrastructure that promotes telecommuting to be required by RPS.	Reduced vehicle movements.	Short	LUP, DA	Officer time
		1.2.2 Encourage, support and promote developments in no dog zones/areas.	Reduced dog numbers adjacent to koala habitat.	Short	LUP, DA	Officer time
		1.2.3 Seek opportunities for a 'koala active community' of residents in new communities/estates.	Active community in the management of koalas.	Short	LUP, DA, EE	Officer time
		1.2.4 Manage reserves/parkland resulting from or adjacent to residential areas to reduce impacts to habitat.	Improved habitat by reducing weeds, illegal dumping etc.	Continuous	DA, P&C	Officer time
1.3	Legislation	1.3.1 Make submissions for the removal of the principle of injurious affection from SEQ Regional Plan for the protection of koala habitat from IDAS and investigate incentives for people maintaining koala habitat.	Compensation issues resolved.	Short	EM, QPWS	Officer time
		1.3.2 Undertake research and monitoring programs to identify the optimal development and planning conditions required for protection and maintenance of koala habitat for its long term survival.	Clear guidelines on corridor and habitat characteristics, condition and connectivity.	Long	EM, QPWS, Universities	Officer time

More detail continued over page →

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
1.4	Biodiversity Friendly Urban Design (BFUD)	1.4.1 Commit to ongoing research into BFUD implementation and effectiveness in maintaining biodiversity. Work with developers on the implementation of BFUD principles.	Refinement of BFUD policies.	Long	EM, DA, LUP, Universities	Officer time
1.5	Identify impacts prior to development	1.5.1 Ensure all koala habitat trees and vegetation are identified (mapped) and protected. Tree removal is subject to Council approval.	Decreased unnecessary habitat loss.	Short	DA	Officer time
		1.5.2 Developer provided with incentive to retain existing vegetation within development.	Increased habitat retained.	Short	DA	Officer time
		1.5.3 Offset of any identifiable vegetation loss two to five years prior to when construction is required through agreement with developers.	Increased overall habitat.	Short	DA	Officer time
1.6	Limit impacts during construction of developments	1.6.1 Protect and maintain koala access to existing koala habitat on private properties through creative building design. Koala habitat trees will not be removed without agreement of Council.	Protection and maintenance of koala habitat.	Immediate	DA	Officer time
		1.6.2 Clearing and removal of any koala habitat vegetation will require a approved koala spotter in accordance to state koala plan.	No harm to koala or other fauna during the clearing of vegetation.	Immediate	DA, EPA	Officer time
		1.6.3 Koala movement facilitated through developments.	Improved movement through developments and address improved connectivity of existing fragmented habitats.	Short	DA	Officer time
		1.6.4 The conditioning of all medium and high density developments to install underground powerlines along street frontage allowing the planting of koala habitat trees as part of development.	Increased koala habitat trees.	Immediate	LUP, DA	Officer time
1.7	Education of legislators	1.7.1 Attend and present at forums, seminars or like events on information to legislators (lawyers and judges) regarding koala conservation in the Koala Coast.	Improved understanding of koala issues.	Short	EM, LUP, EPA	Officer time
		1.7.2 Log, record and publicise judicial decisions relating to environmental habitat protection.	Increased understanding of judicial decisions.	Short	LS, M&C	Officer time

Policy Statement 2 Stop road and rail deaths

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
2.1	Koala kills on local roads.	2.1.1 Continue and coordinate the data collection, research and mapping of koala and fauna kill areas across all local roads.	A range of information and mapping products to determine actions and measure outcomes.	Ongoing	QPWS, EE, EM	Officer time
		2.1.2 Ensure the state coordinates and formulates a standard format for the collection of koala/ fauna data.				
2.2	Behavioural changes (Local government managed roads)	2.2.1 Encourage road treatment planning and design standards to require 50km/h speed limits on local roads. Roads with higher speed should be priority for fauna treatment.	Implementation of 50km/h speed zones on all local roads.	Ongoing	IP, EM	Officer time
		2.2.2 Collaborate on speed enforcement with QLD Police to identify roads on which vehicle speeds are endangering wildlife.	Speed zones actively enforced.	Ongoing	IP, EM, EPA	Officer time
		2.2.3 Undertake study to identify possible locations for installation of permanent speed cameras in key locations throughout the Shire.	Installation of speed cameras in the Redlands	Immediate	EM	
		2.2.4 Investigate opportunities to narrow width of excessively wide roads in the shire during reseal or upgrade programs to increase width of pedestrian footpath and increased area for planting of Koala habitat trees.	Reduced speed and increased area for habitat planting	Short	IP, P&C, EM	Officer time
		2.2.5 Work with Department of Transport and local driving schools on "Fauna aware" driver training education in the koala coast region.	Koala Active Community.		EE, EM, QPWS	\$25,000
		2.2.6 Continue to publish Koala road deaths and dog attacks in Local paper.	Increased understanding of koala kills by cars.	Ongoing	M&C	Officer time
		2.2.7 Work with other local Councils and Department of Main Roads on combination of signage, road markings to increase awareness of koala interactions on roads (i.e. LED portable signage, etc).	Range of methods created and utilised on local roads.	Ongoing	IP, EM	\$20,000
		2.2.8 Promote walking and riding to reduce risks to wildlife and the environment and to improve health and save money.	Net increase in number of persons walking and riding.	Ongoing	IP	Officer time

More detail continued over page →

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
2.3	Local road infrastructure	2.3.1 Continue to implement and accelerate implementation of road treatments as per 'Action Plan to Reduce Koala Hits in the Redlands' and 'Assessment of Local Roads for Koala Safety'.	Road treatments recommended by documents are immediately implemented.	Ongoing	IP, EM, ED, PDG	\$200,000
		2.3.2 Identify and purchase or encourage VCA on all land required for implementation of overpass/underpass infrastructure.	Identify properties through research and planning.	Ongoing	EM,	\$1,000,000
		2.3.3 Identify and continually update road design plans to ensure fauna movement across roads is appropriately funded.	Fauna crossings constructed on council roads.	Short	EM,	Officer time
		2.3.4 Seek additional funding for road treatment devices from state and commonwealth governments for implementation of 'Assessment of Local Roads for Koala Safety' document.	Funding received for road treatment projects.	Ongoing	EM,	Officer time
		2.3.5 Implement a planning report that assesses road treatments for all other roads in the Redlands consistent with the principles of 'Assessment of Local Roads for Koala Safety'.	A list of roads identified for treatments across the Redlands.	Ongoing	EM,	\$50,000
		2.3.6 Gain additional funding for road treatment devices through Infrastructure Charges on Priority Infrastructure Planning (PIP) for roads.	Funding received for road treatment projects.	Immediate	EM,	Officer time
		2.3.7 Engage and advocate further research by QPWS, and Main Roads to research effectiveness of existing and new road treatment devices.	A range of research papers and recommendations for new treatment devices.	Ongoing	EM, MR, other local councils	\$25,000
		2.3.8 Review RPS and development applications and compliance procedures to facilitate the safe passage of koalas in new developments through appropriate road design and appropriate tree plantings.	Appropriate street plantings through developments.	Ongoing	EM, DA, LUP	Officer time
		2.3.9 Adoption and implementation of Vegetation Enhancement Strategy (VES) to ensure that existing roadways in existing suburbs facilitates safe passage of koalas.	Appropriate street plantings through streets.	Ongoing	P&C	Officer time
		2.3.10 Undertake assessment of unused road reserves for road closure throughout the Redlands and gazette them for public open space purposes.	Increase in public open space and opportunities to increase habitat.	Short	EM, PDG	\$5,000
		2.3.11 Collaborate with Energex on suitable street plantings and undergrounding or bundled cabling where appropriate to enhance habitat and corridors.	Reduced impacts to existing trees and net increase in street trees.	Ongoing	P&C	Officer time
		2.3.12 Use existing drainage reserves that have been identified for habitat linkage to be revegetated as a priority for connectivity of fragmented habitat. These linkages where appropriate could be used for bike and walking trails to connect parks and main trails.	Network of trails created.	Ongoing	IP, P&C	Officer time

More detail continued over page →

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
2.4	State road infrastructure	2.4.1 Develop with Main Roads a five year works agreement on fauna management infrastructure for the Redlands.	Installation of fauna management infrastructure in the Redlands.	Immediate	EM, MR	Officer time
		2.4.2 Revise and implement Integrated Local Transport Plan to ensure the provision of efficient and safe routes for public transport and cyclists.	The provision of routes that promote public transport use and cycles to reduce vehicle movements on road.	Ongoing	IP	Officer time
		2.4.3 Work with state to ensure consistent and effective treatment of both state and local roads throughout the Koala Coast and NSI.	Coordination and consistency of treatments across the Koala Coast.	Ongoing	EM, IP	Officer time
		2.4.4 Work with Main Roads to undertake planned and staged retrospective fitting of existing roads to include road treatment devices such as over passes, underpasses, exclusion fencing, and fauna poles in appropriate locations.	Number of new treatment devices installed.	Ongoing	MR, EM, IP, QPWS	\$-725,000 (MR cost)
		2.4.5 Lobby state to undertake planned and staged fitting of roads to include fauna treatment devices.	Number of new treatment devices installed.	Ongoing	MR, EM, IP	Officer time
		2.4.6 Lobby state to ensure Main Roads implements their own policy to ensure reduced road kills on state controlled roads.	Number of new treatment devices installed.	Ongoing	MR, EM, IP	Officer time
		2.4.7 Attend and present at forums, seminars or like events on information to engineers regarding koala fauna infrastructure and conservation in the Koala Coast.	Greater understanding of techniques and need for fauna mitigation on roads.	Ongoing	EM, EE, IP, MR, EPA	Officer time
		2.4.8 Collaborate with state departments to undertake research and map areas for reduced speed limits.	Identification of reduced speed zones on identified state roads.	Short	EM, EE, MR	Officer time
2.5	Behavioral Change (State Roads)	2.5.1 Lobby state to review, implement and enforce speed limits for state controlled roads based on koala research.	A range of reduced speed zones that are actively promoted and enforced.	Ongoing	O&M, IP, EM	Officer time
		2.5.2 Collaborate and pursue the coordination with Main Roads and other local councils to undertake targeted education programmes to highlight wildlife movement and impacts of roads.	Implementation of effective educational programmes.	Ongoing	EE, EM, MR	Officer time
2.6	Koala kills due to trains	2.6.1 Undertake research and mapping of koala kill areas.	A range of information and mapping products to determine actions and measure outcomes.	Ongoing	QPWS, EE, EM	Officer time
		2.6.2 Lobby and work with Queensland Rail to ensure train corridors are effectively managed to ensure koala movement facilitated across train lines.	No koala kills from trains.	Ongoing	EM, QR	Officer time
2.7	New developments	2.7.1 Condition local roads within developments to provide sufficient width to allow koala habitat trees to be planted.	Improved koala habitat through developments.	Short	EM, DA, LUP	Officer time
		2.7.2 Design roads to reduce speed and improve koala movement through the development.		Short	IP, LUP, DA	Officer time
Total						\$1,330,000

Policy Statement 3
Stop dog attacks on koalas

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
3.1	Understanding of dog attacks	3.1.1 EPA to coordinate the monitoring of dog attacks within the Redlands.	Greater understanding and monitoring of dog attacks in Koala Coast and NSI.	Ongoing	QPWS, EE, EM, AC	Officer time
3.2	Reduce risk of dog attack	3.2.1 Continue to monitor illegal dog numbers through biannual checks.	All dogs registered in the Redlands.	Ongoing	AC	Officer time
		3.2.2 Review, implement and enforce local laws.	Dog attacks are reduced.	Ongoing	C&SP	Officer time
		3.2.3 Compulsory overnight denning or restraint of all dogs throughout the Redlands. With attention made to community engagement/education on the importance of denning dogs.	Effective separation of dogs and koalas, and reduction of koala deaths by dogs.	Ongoing	C&SP, AC, EE, EPA	\$475,000
		3.2.4 Explore opportunities to implement no dog zones, no pet replacement zones and compulsory de-sexing of all dogs except for licensed breeders within new greenfield communities.	A set of recommendations.	Short	LUP, CS&P	Officer time
		3.2.5 Seek continued support of the RSPCA Canine Control Council, vets and dog clubs for animal management initiatives.	RSPCA contribute to and support initiatives.	Short	EE & RSPCA	Officer time
3.3	Koala friendly backyards	3.3.1 Continue to support Council's education program focussing on dog management issues (ie. Dogs Day Out Event).	Increase community knowledge resulting in reduced dog attacks on koalas.	Immediate	EE, AC, C&SP, EPA	\$50,000
		3.3.2 Explore and expand opportunities to utilise Canine Control Council, pet shops and veterinarian clinics to help promote dog education.	The number of businesses involved in education program.	Short	EE, AC, C&SP, EPA	Officer time
		3.3.3 Remove impediments for installation of fencing or devices that allow koalas to enter or exit properties.	Better movement.	Short	EM, EE	Officer time
		3.3.4 Encourage simple methods of retrofitting existing fences to contain dogs but allow koala movement.	Increased fauna movement.	Immediate	EE	Officer time
		3.3.5 Installation of koala exclusion fences where security dogs are used and in new commercial developments encourage use of other security mechanisms other than dogs.	Reduce potential koala deaths by security dogs.	Short	CSP, AC	Officer time
Total						\$500,000

Policy Statement 4
Protect, enhance and increase koala habitat

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
4.1	Identify and map existing koala habitat	4.1.1 Undertake mapping of current koala habitat within Koala Coast and NSI.	Quantity and location of koala habitat known and protected.	Ongoing	EM, QPWS	\$20,000
		4.1.2 Mapping of key koala habitat trees within the urban footprint and protect it through amendments in current RPS.	Prevent removal of 'key' koala trees and habitat.	Immediate	LUP, EM, P&C	Officer time
		4.1.3 Update Environmental Inventory Mapping of the Redlands to incorporate urban koala habitat on both the mainland and NSI.	Updated Environmental Inventory recognises value of regrowth and NSI koala habitat.	Short	EM	\$50,000
		4.1.4 Update State Koala Plan with appropriate koala habitat areas to include all council owned or trustee land.	State Koala Plan updated.	Immediate	EM,LUP, EPA	Officer time
4.2	Identify and map opportunities for increasing koala habitat	4.2.1 Update State Koala Plan with appropriate koala habitat areas on NSI.	State Koala Plan updated.	Immediate	EM,LUP, EPA, CRL	\$40000 (currently funded)
		4.2.2 Amendments to current and future RPS to adequately protect koala habitat, key trees and regrowth.	Net increase in koala habitat protected as conservation zoning in RPS.	Short	EM, LUP	Officer time
		4.2.3 Identify and map existing cleared areas for revegetation (plantings for biobanking, offsets from development).	Net increase in future koala habitat.	Immediate to Short	EM, LUP	Officer time
		4.2.4 Enforce through development approval process that an area of koala habitat proposed for removal is first replanted within the immediate vicinity (as per VES), and that the developer agrees to a set period of maintenance to establish vegetation, being not less than two years.	Replanted koala habitat has time to mature before removal of existing habitat.	Short	EM, LUP, DA, P&C	Officer time
		4.2.5 Investigate opportunities to revegetate cleared land within council ownership (creek corridors, parks, streetscapes) with recommended species.	Council committed to increasing koala habitat by a minimum of five hectares annually.	Immediate	P&C	\$500,000
		4.2.6 Develop a standard recording and data collection system for all rehabilitation planting in the Redlands (VES to specify system).	Collection of data on revegetation area and monitoring of composition.	Short	P&C	\$20,000
		4.2.7 Investigate opportunities for biodiversity banking (future funding for rehabilitation).	Development contributes to habitat offsets to ensure no net loss of habitat.	Short	EM	-\$50,000
		4.2.8 Utilise Local Law 6 in listing specific habitat vegetation that requires permits to remove or trim the tree if three meters from fence or 10 meters from house.	Retain significant vegetation.	Immediate	EM, DA	\$80,000
		4.2.9 Review and amend Local Law 6 (Protection of Vegetation).	Increased protection of significant vegetation under Local Law 6.	Short	EM	Officer time
		4.2.10 Extend Vegetation Protection Order to protect koala habitat across Redlands and ensure it is consistent with other local governments.	All tree clearing and lopping to require permit and assessment by council officers.	Short	EM	Officer time
4.3	Targeted land purchase	4.3.1 Investigate Redlands-wide incentive opportunities to replace exotic trees with koala food trees as recommended in VES in a coordinated manner recognising exotic trees offer habitat.	Net loss of exotic trees and net gain of koala trees.	Long	EM, EE, P&C	\$10,000
		4.3.2 Fund purchase of koala habitat within urban landscape.	Annual levy funds from private and commercial stakeholders dedicated to purchase of koala habitat.	Short	EM	\$1,880,000

More detail continued over page →

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
4.4	Increase habitat through development process	4.4.1 Lobby federal and state government and non-government organisations, for commitment of land acquisition within Koala Coast of equal and appropriate funding.	Increased protection of significant habitat in Koala Coast.	Short	EM	Officer time
		4.4.2 Through a planning scheme code, requirements will be included that where there is high density allowed through the provision of small lot sizes, the corridor width requirements are to be increased to ensure adequate areas for vegetation retention and enhancement are achieved.	Increase in koala habitat.	Medium	LUP, DA, EM	Officer time
4.5	Incentives - habitat retention and plantings	4.5.1 Investigate innovative opportunities to increase koala habitat in urban landscape through planning and development process.	Net gain of koala habitat through intensification of residential housing.	Short	LUP, DA, EM	Officer time
		4.5.2 Council to offer financial incentives through property owners signing up to 'Koala Friendly Backyard' with provision of trees.	Residents rewarded for growing koala habitat trees on private lands.	Immediate	P&C, EE, EM	\$100,000
		4.5.3 Encourage local nurseries stock sufficient number and variety of local native koala habitat trees to support developers in meeting their development conditions and residents who want to plant trees. Nurseries endorsed by council as suppliers of native stock.	Adequate numbers and variety of local stock are available.	Immediate	EE, P&C	Officer time
		4.5.4 IndigiScapes to develop its nursery to ensure sufficient stock is available to meet demand for revegetation projects being undertaken by council.	Adequate numbers of local stock are available for replanting when required.	Immediate	EE	Officer time
		4.5.5 Work with tree removal companies to provide trees to companies to be handed out and planted at time of removal of a tree or through Your Backyard Garden program.	Increase in habitat.	Immediate	EE	\$25,000
4.6	Extension and education	4.6.1 A condition of tree removal will require that koala habitat trees of the same species be planted (at a ratio of one tree per meter of estimated height) in replacement for the one removed on the property or within park or conservation area within close proximity to the property.	Net gain of koala trees is guaranteed prior to removal on private properties.	Immediate	DA, EM, P&C	Officer time
		4.6.2 Council to endorse tree lopping companies that are koala active and educate on Local Law 6.	Minimise impact of vegetation loss.	Immediate	EE	\$10,000
		4.6.3 Lobby state government to target incentives for nature refuges to private landowners as priority within Koala Coast.	Increased koala vegetation protected and managed for conservation purposes.	Immediate	EM, QPWS	Officer time
		4.6.4 Continue to explore opportunities for new incentives programs to protect koala habitat.	Incentives targeted at residents and companies not currently interested or appropriate.	Short	EE, QPWS	\$30,000
		4.6.5 Continue and Increase extension programs (Your Back Yard Garden Program, Rural Support, and Voluntary Conservation Agreement).	Increased numbers of properties have access to Council extension programs.	Short	EE	\$15,000
4.7	Communication	4.7.1 Explore concept of locally recognised mascot (koala) for school visits.	Increased profile of koala issues targeted at schools and public functions.	Long	EE	\$10,000
		4.7.2 Ensure that residents and companies are publicly recognised for retaining and enhancing koala habitat.	Residents and companies are commended for contributing to the survival of koalas.	Long	EE	\$15,000
		4.7.3 Ensure residents/companies publicly named and shamed for illegal clearing of habitat.	Residents and companies are condemned for contributing to the decline of the koala, change in behaviour towards habitat loss.	Ongoing	LL, P&C	Officer time
		4.7.4 Agreement for offsets to be undertaken prior to removal of vegetation well in advance of habitat loss; this would include Main Roads, Energex, water infrastructure, and other companies.	Businesses recognise cost in habitat removal and are accounted for.	Ongoing	EM, DA, P&C	Officer time
Total						\$2,765,000

Policy Statement 5
Increase koala movement in our neighbourhoods and backyards

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
5.1	Identify existing barriers and remove	5.1.1 Investigate inclusion of mandatory koala safety measures in pools that do not have shallow lagoon style access to prevent koala drowning.	Reduction in koala deaths due to swimming pools. Part of 'Koala Friendly Backyard' program.	Short	IDBCU, EM, EE, Pool companies.	Officer time
		5.1.2 Review and implement modification of inappropriate council and state fencing.	Reduce existing barriers in existing Council fencing.	Short	O&M	\$50,000
		5.1.3 Explore opportunities to guide residents in regards to appropriate fencing styles to improve koala movement through the Redlands. This may require recommendations to amend the Dividing Fences Act 1953 etc.	Delegation to local government to enforce modifications to fencing.	Long	EM, QPWS	Officer time
		5.1.4 Promote safe movements throughout Koala Coast by investing in faunal underpasses and overpasses, work with Main Roads, EPA and federal governments to commit sufficient funds.	Increase effective and safe movements across roads.	Immediate	EM, MR	Officer time
		5.1.5 Update bushland and corridor linkage plan 2005 with new mapping - develop green infrastructure plan incorporated in RPS to direct future fauna infrastructure.	Future map of koala movements throughout the Koala Coast to prevent future barriers.	Short	EM, LUP	Officer time
5.2	Prevent new barriers	5.2.1 Ensure compulsory fauna friendly fencing of all new developments are conditioned through development assessment or included in the RPS as part of Koala Sensitive Design	No new impediments to koala movements in new development.	Short	DA	Officer time
		5.2.2 Ensure compliance to development conditions for correct fencing.	Ensure compliance to specifications in development assessment.	Short	DA	Officer time
		5.2.3 Ensure RPS is adequate to enforce compliance to fencing regulations in development assessment.	Changes are enforced to ensure no barriers remain.	Immediate	EM, LUP, DA	Officer time
5.3	Enhancement of corridor linkages	5.3.1 Identify and map opportunities to enhance corridor linkages.	Improve habitat within existing corridors and identify new corridors.	Immediate	EM	Officer time
		5.3.2 Undertake koala habitat food tree planting in nature strips that are sufficiently wide to accommodate mature trees without substantial overhang into adjacent residential properties	Increase in koala food trees planted.	Immediate	P&C	Officer time
		5.3.3 Investigate opportunities for tree plantings and fencing to re-direct fauna movements away from barriers.	Direct movements around impermeable barriers.	Immediate	EM, EE	Officer time
5.4	Legislation	5.4.1 Asses all public land for suitability through RPS to be amended to Koala Sustainable Areas.	Increased legislative protection of existing corridors.	Immediate	EM, LUP, DA	Officer time
		5.4.2 Investigate the opportunity to map current Koala Living Areas as Urban Koala.	Recommendation made to council on the positive and negative of this opportunity.	Immediate	EM	Officer time
		5.4.3 Review RPS regarding fencing provisions to include koala friendly options.	Reduce barriers through planning process.	Ongoing	EM, LUP, DA	Officer time
5.5	Education	5.5.1 Increase public awareness of fencing/pools as barriers to safe koala movement.	Reduced barriers on private properties.	Ongoing	EE	\$5,000
		5.5.2 Increase awareness of koala habitat and movement requirements and appropriate koala friendly infrastructure design by council staff.	Council staff aware of barriers to koala movements.	Ongoing	EE	\$5,000
Total						\$60,000

Policy Statement 6
Increase research

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
6.1	Understanding population dynamics	6.1.1 Commitment of annual Council funding for on-going annual monitoring of koala coast and NSI populations in key locations (ie Cleveland, Ormiston, Thormeside), also in consultation with EPA coordinate long term monitoring of population abundance, population dynamics and mapping of koala distribution habitat use and movements.	Data is used to measure success of actions.	Immediate	EE, EM, Use local volunteers to assist	\$30,000
		6.1.2 Establish a MoU with the EPA, Main Roads, Qld Rail, LCC, BCC, CRL, QLC regarding koala research. The MoU would set out an overall goal for research, identify research actions, responsibilities and expected outcomes.	Coordinated research of koalas within the Koala Coast and NSI.	Immediate	EM,EPA,MR, LCC, BCC, CRL, QLC, Elders, Universities.	\$25,000
		6.1.3 Continued collaboration with CRL, Universities and EPA to monitor koala populations on NSI.	Mapping of NSI populations.	Immediate	EM, UQ, EPA	\$20,000
		6.1.4 Encourage and fund research on genetics and ecology of NSI populations.	Information on unique ecology of island populations.	Short	EM, CRL, UQ, EPA	\$10,000
6.2	Koala health	6.2.1 Continue to support the operation of the Wildlife Ambulance.	Increase survival of injured and orphaned koalas.	Immediate	EE, EM,	\$10,000
6.3	Collaborative opportunities and prioritising research	6.3.1 Prioritise koala research projects.	Coordination of koala research in the koala coast and NSI.	Immediate	Universities, BCC, LCC, EM, MR	\$5,000
		6.3.2 Market opportunities to attract researchers and students to study koalas in the Redlands.	More researchers attracted to Koala Coast, increased media attention.	Immediate	EM, ED	\$5,000
		6.3.3 Council annual funding budget for collaborative koala research project.	Maintain and enhance Redlands' koala population and habitat.	Immediate	QPWS, EM, EE	\$5,000
6.4	Flora research	6.4.1 Support and undertake flora research (new tree varieties etc.).	Research used to enhance koala habitat.	Short	Other Councils, EM	\$10,000
6.5	Socio-economic research	6.5.1 Support and undertake research into the economic and social values of the Koalas.	Research used to understand and promote the value of saving the koala.	Short	QUT, EM	\$20,000
Total						\$140,000

More detail continued over page →

**Policy Statement 7
Create a Koala Active Community**

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
7.1	Preparing Koala Active Communities	7.1.1 Undertake ongoing surveys of the communities' understanding of koala issues (principally, habitat, car strike, dog attack and health) across the Koala Coast, within neighbourhoods and within council.	Increased community understanding on koala issues.	Ongoing	EM, EE, QPWS	\$25,000
		7.1.2 Work with the local indigenous community to enhance public understanding of the significance of the koala, its habitat and its connections with people and other species.	A deeper appreciation of the cultural and ecological value of koalas and of Quandamooka peoples' culture and heritage	Short	C&SP, C&CS	\$25,000
		7.1.3 Engage the creative skills of artists in innovative community education activities to enrich public appreciation and understanding of the value and needs of koalas.	A deeper understanding of the inherent value of koalas and the challenges they face	Short	C&SP, C&CS	\$25,000
		7.1.4 Enhance the delivery of messages about key koala issues at the IndigiScapes Centre including demonstrations of koala friendly design.	Greater community understanding and Koala Active Community.	Ongoing	EE	\$20,000
		7.1.5 Continue to develop and implement community education programs based upon surveys and research to increase the understanding of key koala issues.	Targeted education program.	Ongoing	EE, EPA	\$20,000
		7.1.6 Continue to develop and implement in-schools education program to increase understanding of key koala issues.	School children have greater understanding of koala issues.	Ongoing	EE, EPA	\$10,000
		7.1.7 Continue to review existing and develop additional interpretive materials addressing key koala issues work with other councils, Main Roads, QPWS.	Standard information throughout SEQ.	Ongoing	EE, EPA	\$15,000
		7.1.8 Continue to coordinate with other environmental education centres to facilitate improved interpretive and extension programs.	Improved interpretation throughout SEQ.	Ongoing	EE, EPA	\$30,000
		7.1.9 Continue to work collaboratively with the commonwealth and state departments and other local governments and key stakeholders to ensure integration and reinforcement of messages addressing key koala issues.	Key messages identified and provided by all stakeholders.	Ongoing	EE, EPA	\$10,000

More detail continued over page →

No.	Issue	Action	Outcome achieved	Finished by	Responsibility	Cost
7.2	Empowering Koala Active Communities	7.2.1 Support state in relation to their responsibilities for animal welfare through continuing the operation of the Redlands After-Hours Wildlife Ambulance. Enhance the use of the ambulance through utilising it during the day for further education activities such as 'Koala Alert Program'.	Greater community knowledge of the Wildlife Ambulance and service it provides.	Ongoing	EE	\$10,000
		7.2.2 Continue and enhance (through the delivery of greater incentives) the delivery of the Redland City Council VCA program.	Increased habitat protected.	Ongoing	EE	
		7.2.3 Continue and enhance the delivery of the Land for Wildlife Program.	Increased knowledge about habitat within properties and appropriate management.	Ongoing	EE	\$10,000
		7.2.4 Continue and enhance the delivery of the Rural Support Program.	Increased habitat quality through investing in on ground actions.	Ongoing	EE	\$20,000
		7.2.5 Continue and enhance the delivery of the Your Backyard Garden Program - may need to look at identify residents that have 'Koala Friendly Backyard'.	Increased knowledge about living with wildlife.	Ongoing	EE	\$30,000
		7.2.6 Continue and enhance the Community Bushcare Program.	Improved quality of public bushland.	Ongoing	EE	\$10,000
		7.2.7 Continue, but dramatically increase the Community Planting Program.	Increased habitat planted.	Ongoing	EE	\$25,000
		7.2.8 Work with and assist with funding of Koala Action Group, and Wildlife Preservation Society Queensland Bayside and RSPCA educational programs.	Increased public awareness.	Ongoing	EE, KAG, WPSQB, RSPCA	\$15,000
		7.2.9 Create Koala Active Neighbourhoods to implement and assist the efficacy testing of the policy.	Increased public awareness.	Ongoing	EE, M&C	\$50,000
		7.2.10 Develop and implement the Identify a Local Koala Program, 'Koala Friendly Backyard'.	Increased public awareness.	Ongoing	EE, M&C	
7.3	Marketing, promotion and tourism	7.3.1 Determine the present contribution of the koala to the Redlands economy (in research).	Understanding of value of koala for the Redlands.	Immediate	EM, ED	
		7.3.2 Investigate opportunities for Redland residents to show pride in being a resident of Urban Koala Capital (ie private number plate, 'Redlands Urban Koala' etc.).	Greater community pride in the koala.	Short	EM, EE	
		7.3.3 Double the contribution of the koala to the Redlands economy through existing and new marketing opportunities, licensing of logos and accreditation of businesses.	Improved marketing of koalas in the Redlands.	Ongoing	ED	\$10,000
		7.3.4 Link the Koala watch or Identify Local Koala Program to tourism operators and independent tourists via direct web link.	Greater understanding and knowledge about Redlands' koalas.	Immediate	EE, M&C, ED	
		7.3.5 Encourage greater support from business and industry for koala conservation and management activities.	Greater understanding of koalas.	Ongoing	ED, M&C	\$20,000
		7.3.6 Undertake engagement with real estate businesses to highlight the value of purchasing property in a Koala Active Community.	Greater understanding of koalas.		EM, EE	
7.4	Feedback and monitoring	7.4.1 Interim report after first six months indicating actions undertaken of the koala policy.	Report to Council in October.	Immediate	EM	Officer time
		7.4.2 Annual Report Card provided to the community.	Annual Report Card proved each year.	Immediate	EM, EE, M&C	
		7.4.3 Redland City Council to provide Koala Summit every four years.	Koala Summit every four years.	Immediate	EM, M&C	
					Total	\$330,000

Word/Phrase	Meaning
BFUD	Biodiversity Friendly Urban Design minimises the loss of biodiversity during the initial construction phase, reduces changes to population structures resulting from the physical changes arising from the initial construction phase and subsequent settlement phase, retains site specific and significant ecological assets/structures and processes during initial construction and after settlement is complete, provides for the needs of locally and regionally significant animal and plant species during initial construction and after settlement is complete, integrates housing and essential services with the living environment, and supports and integrates with local and regional reserve networks.
Biodiversity Banking (biobanking)	BioBanking is a market-based approach to help slow the loss of biodiversity caused by development and simplify the development assessment process. BioBanking allows 'biodiversity credits' to be generated by landowners who commit to enhance and protect biodiversity values on their land. These credits can then be sold. Developers can buy these credits and use them to counterbalance (offset) the impacts on biodiversity values that are likely to occur as a result of development
Canine Control Council	Organisation that provides an efficient, cost effective service to members in all matters relating to owning, breeding, showing, buying/selling and importing/exporting of registered pedigree dogs.
Conditioned	Specific conditions incorporated into development applications that ensure desired environmental outcomes.
Denning/restraint	Methods of housing dogs at night to prevent interactions between dogs and koalas.
Environmental Inventory	The Redlands Environmental Inventory is a Geographic Information System (GIS) database of mapped Conservation management Areas (CMAs) corresponding to the boundaries of remnant or other native vegetation, plus additional areas selected as potential corridor links and environmental enhancement areas. The CMAs are prioritised according to four categories (Priority, Major, General and Enhancement) and also assigned functional roles (Habitat, Corridor, Tidal, Patch) as part of a Redlands-wide conservation network for retaining biodiversity, based on the principles of conservation biology.
Exclusion fencing	Fencing to prevent fauna entering or exiting a property or road.
Fauna poles	Poles that facilitate the safe movement of animals over or around a barrier, such as a road.
Fauna spotter	Suitably qualified person that identifies fauna on a development/construction site prior and during work activities to ensure that the animals are not harmed.
Faunal friendly fencing	Fencing that allows the safe movements of animals throughout the Redlands, and does not restrict their movements.
Faunal infrastructure	Infrastructure such as underpasses (culverts) and overpasses that allows safe movement of animals between patches of habitat. This includes movements under and over roads, railways, and other impermeable barriers.
Greenfield development	Development that occurs outside developed urban area in vegetated areas and pastures and other open space areas.

Word/Phrase	Meaning
Ground truthing	To verify on-ground, what appears in desk top analysis.
IDAS	Integrated Development Assessment System.
Infill development	Development and re-development that occurs within the urbanised area.
Injurious affection	The concept of injurious affection is based upon the reduction in the value of remaining lands resulting from an expropriation or taking - the removal and use by an expropriating authority of certain lands from the whole parcel reducing the value of the remainder.
Koala Coast	Those parts of Logan City, Brisbane City and the mainland of Redland City bounded by Moreton Bay, the Logan River, Gold Coast Motorway and Gateway Motorway.
Koala exclusion fences	Fences designed to exclude koalas from roads and other high risk areas.
Koala Habitat Offset Foundation	A fund developed in order to facilitate the acquisition of land for the purposes of increasing and protecting koala habitat.
Koala living areas	Koala Living Areas occur outside the Koala Habitat Areas and are not subject to any statutory processes to protect koalas and their habitat under the Koala Plan (see 'Koala Plan').
No dog zones/no pet replacement zones	Arbitrary zones placed over part of a Local Council Area to exclude or restrict the ownership of dogs.
NSI	North Stradbroke Island
Offset	A positive measure to counterbalance an environmental impact that cannot be avoided. This usually refers to planting trees to replace those lost through development.
Offset Foundation	A not-for-profit body that would facilitate an offset. It may, for example, gain access to land for planting trees through purchase or a contract with the owner.
Overpasses	A structure which allows animals to move safely across roads or railway lines.
Road treatment devices	See 'road treatments'. These might include signs, lighting, overpasses and underpasses.
Road treatments	Actions or structures which reduce the risk killing or injuring koalas on roads.
RPS	Redlands Planning Scheme.
State Koala Plan	The 'Nature Conservation (Koala) Conservation Plan 2006 and Management Program 2006'.
Telecommuting	The ability to work from home using internet and videophone connections.
Underpasses	A structure which allows animals to move safely under roads or railway lines.
VCA	A Voluntary Conservation Agreement. The agreement with Council includes a statutory conservation covenant, access to advice, services and an annual grant.
VES	The Vegetation Enhancement Strategy. A document that describes how revegetation and landscape plantings should be undertaken.