

National Koala Conservation and Management Strategy 2009–2014 Implementation—Second Report



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National Koala Conservation and Management Strategy Implementation - Second Report

Introduction

This is the second report of the implementation team of the National Koala Conservation and Management Strategy 2009–2014 (the Strategy). The role of the implementation team is to identify and coordinate measures to give effect to the Strategy, with the overarching goal of koala conservation, resulting in stable koala populations throughout their natural range.

An independent review of the previous national Strategy concluded that the actions proposed were sound, but that the Strategy had been ineffective due to lack of implementation. Consequently, the new Strategy explicitly includes an implementation plan and a requirement that performance be reported annually to relevant ministers.

The first report of the implementation team established a baseline against which to evaluate subsequent efforts and achievements. This goal of the second report is to provide an update of progress in the efforts to conserve koalas since the first report was produced.

This report provides a brief overview of the koala conservation efforts of each state government and the Australian Government, then details specific actions in the table that follows, mapped against the Implementation Plan of the Strategy. Information from the first report of the implementation team has been included, activities undertaken in 2011, as well as proposed actions for 2012, to the extent that they are already known.

Jurisdiction Summaries

Australian Government

The Department of Sustainability, Environment, Water, Population and Communities (the department) continued to provide secretariat support for the implementation team of the Strategy, to assist with coordination of information and action between jurisdictions.

In 2011, work continued on the assessment of the koala for potential listing as a threatened species under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)¹.

On 17 November 2010 the Senate referred the matter of the status, health and sustainability of Australia's koala population to the Environment and Communications References Committee (the Committee) for inquiry and report by 1 June 2011. The inquiry formally commenced on 8 February 2011. The reporting date was subsequently extended by the Senate to 24 August and later to 20 September 2011. The Committee received 101 submissions, and two petitioning documents. It held three public hearings, and also received a large amount of evidence in the form of answers to questions on notice and additional information. On 22 September 2011 the Committee tabled its report into 'The koala – saving our national icon'. The department is preparing the Australian Government response to the report, to be tabled in due course.

¹ On 30 April 2012 the Minister for Sustainability, Environment, Water, Population and Communities announced his decision to add the koala in Queensland, New South Wales and the Australian Capital Territory to the threatened species list as a vulnerable species under the EPBC Act.

Queensland

The principal concern for koalas in Queensland has been the substantial declines in the koala population of the south-east of the state. This regional population was previously one of the largest in the country but has suffered from urban development and the associated threats of cars, dogs and disease. The Queensland Government implemented the Koala Response Strategy in December 2008 and has subsequently undertaken a broad range of actions aimed at arresting the decline.

The Koala Response Strategy has committed to:

- Provide a net increase in koala habitat in south-east Queensland by 2020 [note – the reference to 52 000 ha is the area of koala habitat in south-east Queensland Protected Areas in 2009].
- Implement a state land freeze on clearing and disposing of all state-owned land in south-east Queensland until the state planning instruments are finalised. The state land freeze terminated in May 2010 on commencement of two new planning instruments. At the same time, the *State Government Supported Community Infrastructure Koala Conservation Policy* commenced. In addition, amendments to Queensland Government policies regulating the disposal of State land began to properly consider koala habitat retention issues.
- Undertake a comprehensive koala habitat mapping in south-east Queensland. This has been completed and formed the basis of mapping under the new planning instruments.
- Release a model local law for councils to voluntarily help reduce dog attacks on koalas. The Department of Local Government and Planning released the model local law in 2010.
- Release the draft state planning regulatory provisions and a draft state planning policy for public consultation. This is now completed – the *State Planning Policy 2/10 Koala Conservation in South East Queensland* and *South East Queensland Koala Conservation State Planning Regulatory Provisions* commenced in May 2010.
- Release a guideline for the fencing of koala habitat (the Draft Guideline for Koala Safety Fencing and Measures (KSFM Guideline)). This is now underway. The Department of Environment and Resource Management (DERM) is currently consulting on the guideline and is looking to finalise this and three additional guidelines in the near future:
 - Draft guideline for Offset for net gain of Koala Habitat in South East Queensland Policy (Offsets Guideline)
 - Draft guideline for South East Queensland Koala Conservation State Planning Regulatory Provisions (SPRP Guideline)
 - Draft guideline for State Planning Policy 2/10: Koala Conservation in South East Queensland (SPP Guideline)
- Commence planning for a \$10 million trial on retrofitting wildlife crossings and underpasses on south-east Queensland's hot spot roads to reduce koala strikes. This is now underway by the Department of Transport and Main Roads in partnership with the DERM – 18 trial sites in south-east Queensland are now under refit and koala monitoring. Further sites are under investigation.
- Ensure that all new state roads and upgraded state government main roads are koala-friendly. The Queensland Government has directed the Department of Transport and Main Roads to undertake this initiative.

- Introduce the Koala Nature Refuges Program – financial incentives targeted at private landowners in return for securing koala habitat in perpetuity – and the Koala Habitat Protection and Rehabilitation Program. These programs are underway.
 - The Koala Nature Refuges Program encourages landowners to take action and personally contribute to the protection of koalas in south-east Queensland. To date, 2238 ha have been Gazetted as Koala Nature Refuges.
 - To 13 February 2012, 8 properties with a total area of 379.6 ha have been purchased in south-east Queensland under the Koala Habitat Protection and Rehabilitation Program for the rehabilitation of koala habitat. A total of 33 056 trees have been planted.
- In addition, a further 763 ha of koala habitat has been added to the Protected Area Estate in south-east Queensland since 1 January 2011.

New South Wales

In New South Wales (NSW) the koala mainly occurs on the mid, north and south coasts, with some populations to the west of the Great Dividing Range, such as around Gunnedah on the Liverpool Plains. The species is concentrated on fertile, flat land, much of which is outside the reserve system on private land. It also persists in low densities in more rugged and infertile country. The principal threats continue to be urban development, habitat fragmentation, fire, dogs, cars and climate change – especially drought.

The Office of Environment and Heritage (OEH) released the NSW Koala Recovery Plan in 2008 and has been progressively implementing recovery actions ever since. Implementation of the plan involves working with a range of land managers to conserve the koala, including national parks managers, Forests NSW, local councils and infrastructure providers such as the NSW Roads and Maritime Services.

The NSW Government is committed to:

- establishing Dharawal National Park which will provide additional protection for Sydney's largest koala population;
- evaluating the success of tree planting by farmers and the NSW Government over the last 20 years to provide habitat for the local populations on the Liverpool Plains around Gunnedah;
- reducing road mortality through the inclusion of land bridges and underpasses on major road developments;
- developing a new koala webpage which will include information for landholders about protecting and planting koala preferred tree species;
- working with the community to monitor koala population trends;
- working with koala rehabilitation groups to update and implement guidelines for koala care and rehabilitation, including examining the success of koala rehabilitation in NSW;
- Field surveys to determine distribution, abundance and trends over 40,000ha of potential koala habitat in South East NSW to support fire management planning in the region; and,
- working with local government on the development of Comprehensive Koala Plans of Management for key priority populations in NSW.

NSW continues to develop a range of policies and strategies designed to maintain and enhance the environmental conditions conducive to healthy koala populations across NSW.

Specifically, NSW is developing a biodiversity strategy which will lead to prioritising investment in habitat conservation and restoration as well as threat control and abatement measures that will directly benefit koalas. NSW is also redeveloping the NSW Priorities Action Statement which will give special priority to the recovery of iconic species such as the koala.

Priorities for future survey, prioritisation and conservation work include the Gunnedah and Pilliga regions in the west, Port Stephens, Bellingen, Port Macquarie-Hastings, Lismore, Tweed, Byron, Coffs Harbour, Far-south coast, Southern highlands and Southern tablelands regions. The south-east forests and Campbelltown have significant but smaller populations.

South Australia

Koalas occur in four key regions in South Australia (SA): Kangaroo Island, the Lower Eyre Peninsula, the Lower South East and the Adelaide Mount Lofty Ranges. With the possible exception of a small remnant original population in the south-east, koalas in SA are genetically very closely related – generally being descended from those very small numbers of koalas which were originally introduced onto Kangaroo Island. The main threats to koalas in SA, identified and being acted upon, are the browsing impact caused by abundant and increasing population sizes relative to available habitat, and the dangers faced by koalas living in urban settings e.g. vehicle collisions and dog attacks.

In 1997 the Department of Environment and Natural Resources (DENR) began a program to reduce (through non-lethal methods) the over-abundant population of koalas on Kangaroo Island to sustainable levels. This was necessary because the highly selective browsing of koalas represents a significant threat to Kangaroo Island's unique vegetation communities. The Kangaroo Island Koala Management Program is based on the surgical sterilisation of koalas to reduce population growth, the relocation of koalas from critically damaged areas to the mainland, and habitat restoration. The 2001 survey estimated a population of 27 000 koalas on the island. The survey was repeated in 2006 and the population was estimated at 16 000. In 2010/2011 koala density was monitored at 114 sites and it is estimated that the current population on Kangaroo Island is 13 000.

The SA Government encourages a 'Living with Wildlife' approach to managing impacts caused by koalas and to promote positive attitudes to koalas. In response to the growing numbers of koalas living in and around urban areas, a new Koala Intervention Policy was implemented in 2010. This policy guides the actions which may be taken to intervene when koalas are in dangerous situations, are orphaned or are showing clear signs of sickness or injury.

The SA Government is currently developing a state-wide Koala Strategy to guide conservation and management efforts towards sustainable populations.

Victoria

While there are a few places in Victoria where koala populations have declined due to mortality from cars, dogs and habitat loss, the principal concern for managers is overabundant populations. Victorian koala populations have demonstrated that the koala population can grow beyond the carrying capacity of the habitat, resulting in collapse of the population in extreme cases. Overpopulation also results in overbrowsing of trees which can cause substantial defoliation of preferred food trees and changes in the composition of the ecological community. The results of overbrowsing are graphic and cause media attention and community concern.

Management therefore focuses on reducing koala numbers and maintaining them at levels low enough to prevent habitat damage.

Overpopulation used to be managed by moving koalas from overbrowsed areas to unoccupied habitat. However, options for translocation have diminished as most potential habitats are now occupied or may have been burnt in the 2009 Bushfires.

Population management is now primarily through sterilisation. This was initially surgical, but is increasingly achieved with hormone implants. Where pressure on the habitat is intense and immediate relief is necessary, koalas may still be translocated.

No matter which methods of population control are being used, it is still necessary to capture significant numbers of koalas, an expensive and labour-intensive exercise. The management of overpopulated koala populations and their habitat is an ongoing commitment.

National Koala Conservation and Management Strategy Implementation Report 2011

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Category 1 Habitat identification and protection					
1.01 Incorporate koala habitat conservation into existing multi-species or landscape-scale conservation programs					
National Reserve System (NRS)	Australian Government	Addition of properties containing koala habitat to the NRS (Queensland Koala Nature Refuges are considered to be included in the NRS).	2010	Ongoing	Koalas are one of the matters included in the assessment of the values of properties proposed for inclusion in the NRS. A recent significant addition was "Marcussen" in south-east Qld.
			2011	Ongoing	
			2012	Ongoing	Currently, a key priority for the NRS funding is the protection of under-represented bioregions that have less than 10% of their remaining area currently protected in reserves. Preference is also given to projects that contribute to large-scale conservation outcomes that improve connectivity in the landscape.
Biodiversity Conservation Strategy 2010 – 2030	Australian Government/States and Territories	A national long-term biodiversity monitoring and reporting system by 2015.		Planned	The Australian Natural Resource Management Ministerial Council committed to establishing a national long-term biodiversity monitoring and reporting system by 2015 as part of Australia's Biodiversity Conservation Strategy 2010 – 2030. This Strategy is a landscape-scale project that will provide benefits for species including the koala.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Caring for our Country Project	Australian Government	Assessment of tree canopy health and koala populations across Indigenous Protected Areas and properties owned by the Gunditj Mirring Traditional Owners Aboriginal Corporation.	2011-2012	Commenced	The Gunditj Mirring traditional owners Aboriginal corporation received a grant under 2011-12 Caring for our Country open call Business Plan projects for their Gunditj Mirring Indigenous Protected Area Koala Management Project. This project will assess tree canopy health and koala population across Indigenous Protected Areas and properties owned by the Gunditj Mirring Traditional Owners Aboriginal Corporation adjacent to Mt Eccles National Park. This land is connected by manna gum woodland which extends along the Tyrendarra Lava flow to the coast and is known as the national heritage listed Budj Bim Landscape.
Incorporate koala habitat into DERM Protected Area Estate	Qld	Addition of properties in South East Queensland containing koala habitat to the Protected Area Estate.	2010	Ongoing	198 ha added in 2010 (excludes Koala Nature Refuges – see 'Koala Nature Refuges Program' at 1.03).
			2011	Ongoing	A further 763 ha added since 1 January 2011 (excludes Koala Nature Refuges).
			2012	Ongoing	
Koala Habitat mapping project in South East Queensland	Qld	Maps of koala habitat by category (e.g. bushland suitable for rehabilitation) completed for South East Queensland, with values (high, medium and low) assigned in the eastern Local Government areas of South East Queensland.	2010	Completed	
GIS analysis of koala distribution overlap with other threatened species	NSW	OEH has carried out recent mapping of koala distribution on the south coast of NSW. This will be overlaid on existing threatened species distributions.	2010	Commenced/ongoing	
			2011	No progress	
			2012	No progress	
Great Eastern Ranges Initiative	NSW	Establish a conservation corridor along the NSW section of the Great Eastern Ranges.	2010	Ongoing	Partnership program amongst range of conservation groups and agencies. OEH one of the lead agencies.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2011	Ongoing	Anticipate ongoing 2011-2015.
			2012	Ongoing	Anticipate ongoing 2011-2015.
Northern Rivers Regional Biodiversity Management Plan	NSW/ Australian Government	Northern Rivers Regional Biodiversity Management Plan complete. Incorporates koala management.	2010	Completed	
Western Woodlands Way & Namoi Catchment Management Authority Biodiversity Conservation Plan	NSW	Priority areas for investment on private land identified.	2010	Ongoing	Data collection completed.
			2011	Ongoing	Analysis completed and priority links identified.
			2012	Planned/ ongoing	CMA will design its investment program using information from the Namoi CMA Biodiversity Conservation Plan that includes consideration of koala habitat.
Comparative analysis of koala habitat data from 1990s and 2011 Port Stephens and Coffs Harbour Comprehensive Koala Plans of Management (KPOMs) to determine best practice koala survey, planning and monitoring methods	NSW	Best practice method for delivery of koala habitat mapping and CKPOMs.	2012	Planned	
NatureLinks	SA	A landscape-scale approach to conserving the state's plants and animals by managing and restoring large areas of habitat within broad 'biodiversity corridors'. Key regions include koala habitat.	2010	Commenced/ ongoing	Plans were released.
			2011	Ongoing	Establishment of partnerships and linkages with key stakeholders including, regional NRM Boards, industry groups, Aboriginal communities, and non-government and community organisations.
			2012	Ongoing	Community engagement and ownership – engage the community, landholders and industry in the delivery of on-ground activities within NatureLink corridors.
N.B. Both Victoria and South Australia have programs which benefit multiple species, via protecting habitat from over-browsing by koalas. Severe over-browsing can cause loss of dominant trees species and thus changes in the ecological community. The programs are listed under Category 2 below.					
1.02 Habitat protection on public land					

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Koala Habitat acquisition strategy	Qld	To be eligible, part or all of the property must be mapped as high or medium value, suitable for rehabilitation. The priority is securing habitat corridors and restoring cleared habitat, with a focus in the Pine Rivers and Koala Coast areas.	2010	Commenced/ ongoing	On 31 October 2009 the Queensland Government announced it is committing an additional \$15M to the Koala Response Strategy to protect south-east Queensland's koalas. These funds are for the Koala Habitat acquisition strategy and the Koala Nature Refuges Program (see 1.03). This program uses maps of existing koala bushland habitat and areas suitable for rehabilitation.
			2011	Ongoing	8 properties purchased to date: <ul style="list-style-type: none"> Total value - \$15.7 million Total area – 379.6 ha Number of koala habitat trees proposed to be planted – 61 220
			2012	Ongoing	<ul style="list-style-type: none"> Number of koala habitat trees planted as at February 2012 – 33 056
Review conditions of Eden Regional Forest Agreement (RFA) Region Integrated Forestry Operations Approvals and Threatened Species Licence related to koala protection	NSW	OEH and Forests NSW have been gathering and analysing data to support the review process. OEH has held preliminary discussions with Forests NSW about potential reserve options. Ongoing negotiations in south east regarding habitat in the Mumbulla, Murrah and Bermagui State Forests.	2010	Commenced/ ongoing	Options limited by commitments in RFAs, Forest Agreements and Integrated Forestry Operations Approvals.
			2011	Ongoing	Forests NSW have estimated resource loss if logging does not proceed in koala habitat. Options remained limited by timber resource commitments in RFAs, Forest Agreements and Integrated Forestry Operations Approvals.
			2012	Ongoing	For resolution in 2012.
Local Council Koala Plans of Management	NSW	Development and review of comprehensive Koala Plans of Management (CKPoM) under provisions of SEPP 44.	2010	Commenced/ ongoing	OEH working with Councils to investigate feasibility of commencing CKPoMs. Kempsey Plan on exhibition.
			2011	Ongoing	Kempsey Plan approved. Lismore Plan on exhibition.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2012	Planned/ ongoing	Review existing Port Stephens and Coffs Harbour CKPoM. Finalise Lismore CKPoM. Investigate feasibility of developing Plans for Palerang and Cooma Monaro.
River Red Gum forest conservation	NSW	107 000 hectares of River Red gum forests and associated woodlands along the Major inland river systems in Southern NSW to be protected in a range of conservation reserves. Many of these reserves will adjoin newly created reserves in Victoria and create a national scale protected area corridor along the Murray, and parts of the Murrumbidgee and Lachlan Rivers. These riverine forests are known to be an important habitat for koala populations extending into semi arid regions of Southern NSW.	2010	Planned	Decision announced – pending legislation. The koala populations in many of these forests are believed to be a mix of koalas of local provenance and descendants of koalas introduced from other areas. The decision has been announced but has yet to pass through parliament.
			2011	Completed	
Dharawal National Park	NSW	Establishment of Dharawal National Park which will provide additional protection for Sydney's largest surviving koala population.	2012	Planned	Establishment of Dharawal National Park.
Gunnedah koala conservation	NSW	OEK worked with the Liverpool Plains Land Management Committee and the Gunnedah Council to implement koala actions as identified.	2010	Completed	Public land includes State Forests and local councils.
National Park Plans of Management actions for habitat protection.	NSW	Fire management strategies to reduce size, intensity and frequency of fires in significant koala habitat. Planting of food sources. Strategies to liaise with neighbouring land-holders to minimise adjacent clearing.	2010	Ongoing	40 National Parks and Reserves (762 000ha) have actions in their Plans of Management which involve koalas. These strategies are typically supported by surveys of koala populations on-park.
			2011	Ongoing	
			2012	Ongoing	
NatureLinks	SA	See 1.01		Ongoing	See 1.01

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
1.03 Habitat protection on private land					
Caring for our Country	Australian Government	Under the Caring for our Country initiative organisations can apply for funding to help them buy land for new conservation reserves.		Ongoing	For successful applicants, the Australian Government provides up to two-thirds of the purchase price for a property and the partner organisation contributes the rest. The partner then owns the property and manages it for long-term nature conservation.
National Reserve System (NRS)	Australian Government	See 1.01		Ongoing	See 1.01
Environmental Stewardship Program	Australian Government	This initiative is able to fund activities which promote the conservation or restoration of koala habitat.		Ongoing	
Biodiversity Fund component of the Clean Energy Future initiative	Australian Government	This initiative is able to fund activities which promote the conservation or restoration of koala habitat.		Ongoing	
Koala conservation integrated into land use planning	Qld	Improved protection of koala habitat and better designed developments to enable koala populations to persist and recover.	2010	Commenced/ongoing	Koala conservation is included in the South East Queensland (SEQ) Regional Plan; Elements of the Koala Conservation Plan remain operational; Two planning instruments commenced operation under the Sustainable Planning Act to increase the level of protection provided to koalas and their habitat in SEQ – a State Planning Regulatory Provision (SPRP) and a State Planning Policy (SPP).
			2011	Ongoing	SPP 2/10 and SPRP commenced in May 2010 – ongoing.
			2012	Ongoing	
Koala Nature Refuges Program	Qld	Management for koala conservation on private property identified by the Koala Response Strategy as being of high to	2010	Commenced/ongoing	Program assists landholders to restore koala habitat on private land and protect it for future generations.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
		medium priority for rehabilitation of koala habitat. A binding, perpetual nature refuge over at least two hectares is required to receive funding.	2011	Ongoing	To date: <ul style="list-style-type: none"> • 2238 ha have been Gazetted as Koala Nature Refuges. • A total of 115 ha will be revegetated as koala habitat.
			2012	Ongoing	
Local Council Koala plans of management	NSW	Development and review of comprehensive Koala Plans of Management (CKPoM) under provisions of SEPP 44.	2010	Commenced/ ongoing	Port Stephens: finalised. Kempsey: final draft. Coffs Harbour: five-year review on public exhibition. Tweed LGA: \$40,000 provided to fund field surveys and habitat mapping for eastern coastal section. Northern Rivers PoM to be updated with Biodiversity Management Strategy.
			2011	Ongoing	Cooma-Monaro has applied to the Environment Trust for funding to undertake a CKPoM. Kempsey, Coffs Harbour and Port Stephens have approved plans. Clarence Valley Council part shire-wide plan under review after Public Exhibition. Lismore Council POM being finalised and will go on Public Exhibition shortly.
			2012	Planned/ ongoing	Commence Cooma-Monaro KpoM and finalise Lismore CKpoM. Palerang and Snowy have also expressed interest, dependent on funding. Councils will seek incentive funds to encourage landholder involvement in implementation of CKpoM.
Develop incentive-based mechanisms to incorporate koala conservation into planning processes	NSW	Incentive based mechanisms already exist in NSW including voluntary conservation agreements, property vegetation plans, biobanking, etc.	2010	Commenced/ ongoing	Key example is "Woodville" adjacent to population of breeding koalas near Bermagui. Initiated by Far South coast Landcare Association with steering committee representation by OEH.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2011	Ongoing	Initial stage of planting completed at "Woodville". 4 000 trees in riparian areas. 6km of riverine buffers achieved. Management agreement achieved through funding agreement (Caring for our Coasts) and local council planning processes. Two adjoining properties have VCA's that contribute to koala habitat and riparian buffer conservation.
			2012	Ongoing	Private land conservation mechanisms will continue to include koala habitat.
The regulation of native vegetation removal in Victoria ensures that important habitat, including koala habitat, is protected	Vic	Net gain sought.	2010	Ongoing	Through the Native Vegetation Management Framework.
			2011	Ongoing	Through the Native Vegetation Management Framework.
Raymond Island habitat protection	Vic	Tree banding and exclusion plots by private landholders	2010	Ongoing	Ongoing since 2004. Not monitored in 2010.
			2011	Ongoing	Not monitored.
Otways habitat protection	Vic	Protection of preferred food trees.	2010	Ongoing	Individual trees are protected with tree bands.
			2011	Ongoing	Individual trees are protected with tree bands.
NatureLinks	SA	See 1.01		Ongoing	See 1.01
1.04 Prioritise populations					
Australian Centre for Ecological Analysis and Synthesis (ACEAS) workshop	Australian Government	The ACEAS is supporting the workshop "Conserving koalas in the 21 st Century: synthesising the dynamics of Australia's koala populations". The workshop is an initiative of the Koala Research Network, which aims to provide robust science to inform sustainable koala conservation and management.	2012	February and July 2012	The ACEAS is a facility of the Terrestrial Ecosystems Research Network, which is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy and the Super Science Initiative. The workshops will provide an expert synthesis of current knowledge of koala population trends across the national range.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
National Competitive Grants Program – Australian Research Council (ARC)	Australian Government	National Competitive Grants Program funding for koala projects, including projects on koala genetic diversity and disease.		Ongoing	Since 2002 the ARC has awarded funding to nine projects involving research directly and indirectly related to koalas.
Prioritise conservation efforts in South East Queensland using legislative planning processes	Qld	Develop planning instruments to target koala populations under pressure due to development activities and to regulate that development.	2010	Commenced/ongoing	<ul style="list-style-type: none"> South East Queensland (SEQ) Regional Plan 2009 – 2031 commenced July 2009 SPP 2/10 commenced May 2010 SEQ Koala Conservation State Planning Regulatory Provisions (SPRP) commenced May 2010
			2011	Ongoing	<ul style="list-style-type: none"> Strategic-level planning instruments such as structure plans and master plans must meet the requirements of the SPP, including by contributing to a net increase in koala habitat in SEQ. SEQ Local Government Authorities must assess development proposals in specified koala habitat areas to achieve the koala conservation outcomes specified in the SPRP.
			2012	Ongoing	
Expert workshop to identify priority populations in South Coast and Snowy Mountains Regions	NSW	Identify priority populations within the region.	2010	Planned	Planned fieldwork will assist identification of priority populations.
			2011	Ongoing	Priority populations identified through survey.
			2012	Ongoing	Survey and monitoring of key populations to continue, aiming to improve knowledge of distribution and abundance, and of population trends.
Prioritise populations on the mid and far north coast NSW	NSW	Desktop assessment of koala Wildlife Atlas records over last four decades together with results of local council Koala POM under SEPP 44 to determine priority areas and actions.	2011	Commenced/ongoing	Mapped spatial outputs to identify key priority populations and threats.
			2012	Ongoing	Complete desktop assessment and determine priorities for the mid and north coast of NSW.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Prioritise populations in Namoi Catchment Management Area	NSW	Desktop survey undertaken to determine where priorities lie in this region. Report is available from Namoi CMA.	2010	Ongoing	Gunnedah and Pilliga forests are the best koala habitats in Namoi CMA. The state wide survey identified the Namoi CMA as having the most records of koala sightings in western NSW.
			2012	Planned	Undertake specific surveys to look at the causes of the long term changes to the populations around Gunnedah and the Pilliga. These populations have changed drastically in the last 40 years.
Kangaroo Island Koala Management Program	SA	Overabundant koala population by fertility control with the aim of maintaining a sustainable koala population.	2011	Commenced/ongoing	
			2012	Ongoing	Program outcomes and targets are reviewed on an annual basis.
1.05 Revegetate habitat					
Koala Habitat programs	Qld	Two programs fall under this banner: the Koala Habitat Protection and Rehabilitation Program and the Koala Nature Refuges Program.	2010	Commenced	See 1.02 and 1.03
			2011	Ongoing	See 1.02 and 1.03
			2012	Ongoing	
“Bear Care” habitat revegetation in Gunnedah study	NSW	Determine the extent that the koala population uses environmental plantings of trees and how far they will travel across open paddocks to plantings.	2010	Commenced/ongoing	Satellite-tracking project underway. Use of revegetated habitat is the central question being addressed. Revegetation was initiated to address rising water tables and associated salinity and trees planted were suitable for koalas. This population is of prime interest as it is expanding in contrast to the rest of the state.
			2011	Completed	3 year study completed and report submitted to funding body.
“Bear Care” habitat revegetation in Gunnedah study	NSW	Research how koalas use habitat in extreme weather events.	2012	Planned	
Narrandera Common revegetation/restoration program	NSW	Narrandera Common revegetation/ restoration program for the 527 ha of River Red Gum forest.	2010	Commenced/ongoing	Work undertaken by Narrandera Shire Council in conjunction with Murrumbidgee CMA river restoration project should improve important koala habitat.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2011	No progress	The site could not be accessed during 2011 due to flood waters.
			2012	Ongoing	Tree planting and koala monitoring of Narrandera Common will continue in 2012, once water levels recede.
Nooramunga Marine & Coastal Park (Snake Island) – restoration of manna gum woodlands	Vic	To restore and maintain the condition of the manna gum woodlands. Use ecological burning as a tool to regenerate canopies. Replant areas where manna gums have been killed.	2010	Ongoing	High koala densities have caused significant defoliation and death of manna gum. There has been no seedling regeneration of manna gum in recent years.
			2011	Ongoing	Planting of new trees and installation of tree guards in line with management plan directions for revegetation. Ongoing work with Friends group.
Raymond Island manna gum revegetation	Vic	Ad hoc planting of coastal manna gum seedlings.	2010	Ongoing	Opportunistic plantings rather than strategic. Were limited by poor rainfall years.
			2011	Ongoing	Opportunistic plantings rather than strategic. Were limited by poor rainfall years.
Kangaroo Island management plan	SA	Monitoring of habitat and tree condition on Kangaroo Island. Tree planting in critically damaged areas.	2010	Ongoing	
			2011	Ongoing	Monitoring of habitat and tree condition on Kangaroo Island. Tree planting in critically damaged areas.
			2012	Ongoing	Program outcomes and targets are reviewed on an annual basis.
1.06 Develop standard monitoring protocols					
Australian Centre for Ecological Analysis and Synthesis (ACEAS) workshop	Australian Government	See 1.04	2012	February and July 2012	See 1.04
Develop koala population survey protocol	Qld	To identify an appropriate koala survey methodology for assessing the abundance and distribution of koalas for use in site assessment.	2011	Completed	Policy 4, Management Program, Nature Conservation (Koala) Conservation Plan 2006 and Management Program 2006 – 2015.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Develop habitat assessment protocol	Qld	To achieve consistency in the identification of koala habitat.	2011	Completed	Policy 7, Management Program, Nature Conservation (Koala) Conservation Plan 2006 and Management Program 2006 – 2016.
Develop consistent protocols that enable population numbers or density to be compared between the same place at different times and between different habitats	NSW	OEH and Forests NSW have been gathering and analysing data and reviewing protocols for habitat assessment and monitoring, specific to koalas, on the south coast of NSW.	2010	Commenced/ongoing	
			2011	Ongoing	Regularised Grid-based Spot Assessment Technique (RGBSAT) surveys established as the standard survey method for OEH field surveys on the Far South Coast and Southern Tablelands, and for CKPoM development and some local government planning processes in Northern NSW. This method enables comparison of levels of koala activity between different study areas and within the same study area over time. A national workshop would facilitate the integration of existing datasets and recommend any changes in survey methods to assist with the integration process and improve monitoring capacity.
			2012	Planned	OEH will assist in the planning and management of a national workshop to facilitate the integration of existing datasets and recommend any changes in survey methods.
State-wide koala distribution survey	NSW	Determine state-wide geographic distribution of koalas and changes of distribution via 'public survey' technique. In 2009, a low-cost web-based survey was initiated to follow-up the 2006 NSW survey and 1986-87 national survey.	2010	Commenced/ongoing	The state-wide survey is community based. Whilst highly effective, the 2006 postal survey was in fact costly. The current web-based survey is low cost, but requires more publicity for people to go to the website.
			2011	Ongoing	Continued the web-based survey. The effectiveness of the web based survey has been strengthened by local area advertising in the media.
			2012	Ongoing	Web-based koala survey will continue.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Workshop to review monitoring methods	NSW	Development of best practice koala monitoring method.	2010	Planned	Workshop to review monitoring methods (transect and RGBSAT).
			2011	No progress	
			2012	Planned	OEH will assist in the planning and management of a national workshop to facilitate the integration of existing datasets and recommend any changes in survey methods.
Resurveying of 1995 koala field sites in Coffs Harbour LGA	NSW	OEH with cooperation of Coffs Harbour council has resurveyed over 100 of the original 1995 field survey sites that were part of the Koala habitat mapping for the approved koala POM in 2000.	2011	Commenced/ongoing	Field surveys complete. Analysis to be done.
			2012	Planned	Analysis of survey sites against those done in 1995 to look at distribution shifts and population trends.
Kangaroo Island management plan	SA	See 1.05		Ongoing	See 1.05
1.07 Establish national database					
Assessment of national status	Australian Government	Collation of most recent available data on populations to determine status of koala at a national level.	2010	Ongoing	Initial assessment completed in 2010. Has included extensive literature review and an expert workshop in November 2009 to produce best estimate of the trends in the national koala population.
			2011	Completed	Revised assessment following the Senate Inquiry into the status, health and sustainability of Australia's koala population.
Atlas of Living Australia (ALA)	Australian Government (CSIRO)	Central repository for data on wildlife locations from all sources.	2010	Ongoing	DEWHA in discussion with ALA to determine whether/how it can be used to produce a national koala database.
			2011	Ongoing	Discussions continued.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Contribute to central data repository	Qld	Data on koala populations is recorded in: <ul style="list-style-type: none">Qld WILDNETQld Koala Hospitals Information SystemPublished data from DERM Koala Coast and Pine Rivers population surveys	2011	Ongoing	Data from the following sources is available for use in a national database: <ul style="list-style-type: none">Qld WILDNETQld Koala Hospitals Information SystemPublished data from DERM Koala Coast and Pine Rivers population surveys
			2012	Ongoing	Koala Coast Koala Population Report 2010 released February 2012.
Contribute to central data repository	NSW	All data from all surveys is logged onto the NSW Wildlife Atlas and is available to all users, including any national databases.	2010	Commenced/ongoing	In addition to the repeated state-wide survey, the NSW recovery plan has identified a series of locations for monitoring and assessment or audit of the effectiveness of previous surveys and management.
			2011	Ongoing	OEHL has developed a database to store data gathered from koala surveys in South East NSW that will aid understanding of distribution, abundance and trends.
			2012	Ongoing	NSW to contribute to national database.
State-wide Koala Management Strategy	SA	The SA Government is developing a State-wide Koala Management Strategy which aims to conserve and manage sustainable populations of koalas throughout their natural and introduced ranges. This may include identification of koala population distribution and density and habitat mapping in key regions.	2011	Commenced/ongoing	In early stages of development.
			2012	Ongoing	Envisaged to be a 12 to 18 month process.
1.08 Establish/continue monitoring					

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Koala Monitoring programs	Qld	Monitor the numbers and trend of key populations. Monitor the behaviour of koalas in selected urban populations.	2010	Ongoing	A 5-year, \$2.5 million project to continue the Koala Coast and Pine Rivers surveys and to expand activities to survey all SEQ Local Government Areas commenced in 2010. Completed 2010-11 - Koala Coast, Pine Rivers, Redland Urban, Ipswich City Council, Oakey sites, Narangba relocation sites.
			2011	Ongoing	2011-12 Completed - Moreton Bay Regional Council (Caboolture) Underway - Logan City Council, Gold Coast City Council To commence - Sunshine Coast Regional Council (Noosa), Oakey re-survey.
			2012	Ongoing	2012-13 To commence - Sunshine Coast Regional Council (Maroochy), Koala Coast re-survey, Pine Rivers re-survey, Oakey re-survey.
Develop larger-scale survey and monitoring programs.	NSW	Forests NSW is developing a landscape-scale biodiversity monitoring	2010	Commenced/ongoing	Pilot programs have been established in Western Region and in Central Region.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
		program, which should also be relevant for koala monitoring.	2011	Ongoing	A large survey (158 RGSAT sites over 12000ha) managed by OEH found no evidence of koalas in the Tantaraungalo/ Yurammie area and the population there appears to have gone extinct. Another survey managed by OEH in Kooraban and Gulaga NP (72 sites over 7 000 ha) confirmed that between 5 and 15 koalas persist. Genetic analysis confirms these animals are the same genotype as the Mumbulla-Bermagui population, some 10 kilometres to the south. Only one population is known to persist in coastal areas. Fieldwork in Southern Tablelands confirms a low-density population extends over approximately 50 000 ha (62 RGSAT sites to date) and is stable, possibly recovering with two unique genotypes identified. These are all relatively large-scale survey and monitoring programs, based on the approach developed for the survey undertaken in the Mumbulla-Bermagui Forests that have been developed and implemented by OEH.
			2012	Ongoing	OEH will continue RGSAT survey and monitoring programs in Kooraban, Biamanga and Southern Tablelands, mainly in association with fuel reduction fire planning.
State-wide determination leading to prioritisation	NSW	The NSW 2008 Koala Recovery Plan identified a series of local surveys and management plans to audit for their effectiveness. These studies should yield an up to date determination of the status of the koala in NSW and in a series of local areas	2010	Commenced/ planned	Discussions with Campbelltown Council about review of draft CKPoM. Resurveying of Gunnedah commenced. Surveys of key areas of SE Forests were completed in 2010.
			2011	Ongoing	Surveys were undertaken in key areas of Southern Tablelands. State-wide community surveys continuing.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2012	Ongoing	Surveys will be undertaken in additional key areas of Southern Tablelands. State-wide surveys continuing with a focus on areas identified in the Recovery Plan, e.g. Illuka, Coffs Harbour, Port Stephens and Gunnedah. Campbelltown Council to review CKPoM.
Continue Monitoring in the South Coast region	NSW	Phase 1 of Escarpment and Hinterland Koala survey; Review of results of Escarpment and Hinterland Koala survey to assess whether additional work is required; Ongoing transect monitoring program in Morton and Tarlo NP (approximately 15 500 m x 40 m transects)	2010	Ongoing	Completed surveys of the Tantawangalo-Yurammie area revealed that population may be extinct.
			2011	Ongoing	Monitoring sessions were completed in Morton NP and Bungonia NP in 2011. Population stable.
			2012	Ongoing	Transect surveys in the Tulleyangela area in the Southern Highlands to be undertaken in 2012.
Study on distribution and movement of koalas across private and public land in Campbelltown	NSW	Publication in press that reports on distribution and movement of koalas across private and public land and assessment against five different koala habitat mapping techniques.	2010	Completed	The Campbelltown population is historically significant.
Koala and vegetation monitoring at Mt Eccles National Park/Tower Hill Wildlife Reserve	Vic	Monitor the koala population and manna gum woodland condition (6000 ha) in response to population control measures.	2010	Ongoing	Population surveys are undertaken annually. Vegetation surveys every 2 years.
			2011	Ongoing	Population surveys are undertaken annually – complete for 2011. Vegetation surveys every 2 years – not due until 2012.
			2012	Ongoing	
Raymond Island koala population monitoring	Vic	Total counts every one to two years that feedback into population management.	2010	Implemented	
			2011	Completed	Counted completed in 2011. Decrease in numbers as per translocation plan objectives.
Kangaroo Island monitoring	SA	Monitoring of habitat and tree condition on Kangaroo Island. Assessment of koala density on Kangaroo Island.	2011	Commenced/ongoing	
			2012	Ongoing	Program outcomes and targets are reviewed on an annual basis.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
1.09 Incorporate other causes of habitat loss in planning (e.g. drought, climate change)					
Myrtle Rust infestation of koala habitat trees	Qld	To monitor and respond to developments concerning threats to koala habitat posed by infestations of koala habitat trees in the wild.	2010	Ongoing	DERM is represented on the Queensland Myrtle Rust Control Group and has a committed interest in preventing the spread of this disease.
			2011	Ongoing	The Koala Habitat Rehabilitation Team, Koala Operations Unit, has amended the list of koala habitat species used in the revegetation program to exclude known highly-susceptible species such as <i>Melaleuca quinquenervia</i> . Outbreaks recorded in <i>M. quinquenervia</i> in two newly-planted rehabilitation properties have been successfully dealt with. QPWS Rangers are provided with Myrtle Rust identification information and disinfection kits and report discoveries of new infestations. Fire suppression is a standard operational practice of QPWS Parks Rangers.
			2012	Ongoing	
‘Bear Care’ habitat re-vegetation in Gunnedah study (see 1.05)	NSW	Drought and climate change are two major components of the current population study in Gunnedah.	2010	Ongoing	At west of range, extreme heat is a limiting factor for koala populations.
			2011	Ongoing	Tree choice by koalas during extreme events analysed using radio tracking data.
			2012	Ongoing	Analysis ongoing. Fieldwork proposed.
Strategy to minimise impacts of fuel reduction burn	NSW	Implementation of strategy to minimise overlap between areas where fuel reduction burns are undertaken (particularly in Strategic Fire Advantage Zones areas) in the Bermagui, Murrah, Mumbulla and adjacent private forests and koala activity cells delineated in 2007-9 koala	2010	Ongoing	Ongoing: July 2009 - June 2010
			2011	Ongoing	Additional fieldwork initiated by OEH as part of HR planning in Biamanaga. OEH and NSW Rural Fire Service have established a good working relationship regarding the HR program being undertaken in the area sustaining the Southern Tablelands koala population.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
		survey.	2012	Ongoing	Fieldwork to be continued in 5 proposed HR localities in S. Tablelands (Calabash, Jerangle, GoodGood, Chakola, Numeralla Gum Reserve, and West Numeralla).
Category 2 Over-browsed habitats					
2.01 Refine regulation of overbrowsed populations					
Mt Eccles National Park – Adaptive management project to model the impacts of the koala population on the forest and examine impacts on undertaking fertility control program.	Vic	Maintain the manna gum woodland (6000ha). Stony Rises Herb-rich Woodland is a vulnerable EVC in Vic. Maintain a viable koala population	2010	Commenced (2004)/ongoing	This project is using hormone implants to reduce the growth rate of the koala population. Incorporates koala population reduction at Tower Hill.
			2011	Ongoing	2011 program complete with 250 female koalas implanted with contraceptives. The Mount Eccles NP koala population is showing a slow rate of decline to an estimated 3900 individuals.
Nooramunga Marine & Coastal Park (Snake Island) – koala removal to allow restoration of manna gum woodlands	Vic	To restore and maintain the condition of the manna gum woodlands on the Island. To reduce the koala population by fertility control and relocation with the aim of removing all koalas from Snake Island.	2010	Commenced (1997)/ongoing	High koala densities have caused significant defoliation and death of manna gum. There has been no seedling regeneration of manna gum in recent years.
			2011	Ongoing	2011 program in progress. December 2010 program found 9 fertile koalas of a total of 48. Fertile males vasectomised, fertile females implanted with contraceptives.
Raymond Island – koala removal to allow restoration of manna gum woodlands	Vic	To reduce the koala population below carrying capacity and thus restore the manna gum woodlands on the Island.	2010	Ongoing	High koala densities have caused significant defoliation and death of manna gum.
			2011	Ongoing	High koala densities have caused significant defoliation and death of manna gum.
French Island National Park and private land koala control program	Vic	Reduce the French Island koala population below carrying capacity	2010	Ongoing	Transitioning from translocation to hormone implants for population control but will still require translocation for some years.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2011	Ongoing	Transitioning from translocation to hormone implants for population control but will still require translocation for some years.
Meeting of French Island koala population managers	Vic	To refine management and monitoring of the French Island population as the program transitions from translocation to hormone implants.	2010	Planned	Planned for April 2010.
			2011	Completed	Mid 2011, population managers met with koala experts to discuss 2011 sterilisation and translocation plan. Plan adapted with advice received.
Kangaroo Island Koala Management Program	SA	Maintain habitat values, including trees favoured by koalas; To reduce the koala population by fertility control and relocation with the aim of maintaining a sustainable koala population?	2010	Ongoing	
			2011	Ongoing	
			2012	Ongoing	Program outcomes and targets are reviewed on an annual basis.
2.02 Identify emerging overbrowsing problems					
Develop ecological rationale for Great Otway NP	Vic	The ecological rationale together with the proposed mapping and population survey work to be undertaken will determine the extent of manna gum (and other spp) affected by koala overbrowsing and the estimate the number of koalas.	2010	Planned/ ongoing	Is dependent on incoming information. The Otways has been identified as an area where koala numbers and manna gum death and defoliation are increasing. Options for management are limited. Limited by lack of existing information.
			2011	Ongoing	Tree condition and koala population surveys have been contracted. Work in progress.
State-wide Koala Management Strategy	SA	The SA Government is developing a State-wide Koala Management Strategy which aims to conserve and manage sustainable populations of koalas throughout their natural and introduced ranges. This may include an assessment process to identify overbrowsing problems.	2011	Commenced/ ongoing	In early stages of development.
			2012	Ongoing	Envisaged to be a 12 to 18 month process.
2.03 Develop national translocation guidelines					

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
State translocation policy	All states	All states have policies on translocations in place or in development. Priorities may vary, particularly as Victoria and SA translocate to remove browsing pressure at source site.	2010	Commenced/ ongoing	
State translocation policy	NSW		2011	Ongoing	OEH is undertaking a feasibility study for translocation of koalas into the Far South Coast. Draft report to be completed by NSW Roads and Maritime Services by the end of 2011.
			2012	Planned	The recommendations of the feasibility study will be considered.
Koala translocation	NSW		2011		Koalas were translocated to the Lake Innes State Conservation Area in 2010 following an upgrade to the Oxley Highway. Monitoring undertaken during 2011 indicates the translocated koalas are going well.
			2012		Monitoring will continue in 2012.
Category 3 Direct mortality of individual koalas					
3.01 Develop road design guidelines					
Austroroads	Australian Government/ all states	The development of guidelines that give consideration to fauna management around roads.	2012	Ongoing	Austroroads publishes a Guide to Road Design, providing guidance to designers on fauna management within road reservations, including habitat protection and the provision of fauna crossings. Austroroads is an association of Australian and New Zealand road transport and traffic authorities.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
National Environmental Research Program (NERP)	Australian Government, Qld, NSW	Program funding to better manage the impacts of human activities on koalas.	2012	Ongoing	Since 2009 the Australian Government has provided funding of \$359,000 through a NERP project to better manage human impacts on koalas, including car strike. The project is being undertaken by University of Queensland with assistance from the NSW OEH.
Trial on retrofitting wildlife crossings and underpasses on south-east Queensland's hot spot	Qld	This \$10 million trial will examine the effectiveness of retrofitting existing bridges and culverts with structures that allow koalas to safely cross state-managed roads.	2010	Commenced/ongoing	A DERM / Department of Transport and Main Roads Steering Committee established. Identification of potential retrofit sites commenced.
			2011	Ongoing	18 trial sites identified, works undertaken (e.g. overpass; underpass; exclusion fencing; landscaping; vehicle-activated signage), and koala monitoring underway at 7 sites. A further 5 sites under advanced investigation.
			2012	Ongoing	
Committed to ensuring all new state roads and upgrades are koala-friendly	Qld	New roads and upgrading existing roads will incorporate design and location to reduce impact on koalas	2010	Commenced/ongoing	Installing structures that allow koalas to cross roads (such as underpasses and overpasses), along with fencing, will allow koalas to move more safely between adjacent habitat, reduce road mortality and better protect koala populations.
			2011	Ongoing	Department of Transport and Main Roads procedures.
			2012	Ongoing	
Monitoring the effectiveness of road measures (underpasses and overpasses)	NSW	Overpasses and underpasses that are used by koalas	2012	Completed	A report will be delivered to Roads and Maritime Services that monitors the effectiveness over the last 4 years of road measures on the Pacific Highway at Bonville.
Wildlife Connectivity Guidelines	NSW	Improve road design that considers connectivity for species including koalas	2011	Completed	

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
State-wide Koala Management Strategy	SA	The SA Government is developing a State-wide Koala Management Strategy which aims to conserve and manage sustainable populations of koalas throughout their natural and introduced ranges. This may include guidance for road design/retrofitting in key regions.	2011	Commenced/ongoing	In early stages of development.
			2012	Ongoing	Envisaged to be a 12 to 18 month process.
Living with Wildlife	SA		2011	Commenced/ongoing	Living with Wildlife website developed and 'Koalas, Vehicles and Roads' fact sheet published. Will be updated as required.
			2012	Ongoing	Living with Wildlife publications will be reviewed and updated as required.
3.02 Implement protection of koalas from dogs					
Invasive Animals Corporate Research Centre (IACRC) programs	Australian Government	These programs support work on the control and management of wild dogs.		Ongoing	The Australian Government will provide funding to the IACRC (\$29.6 million) from 2005-06 to 2011-12 to counteract the impacts of invasive animals, which includes wild dogs.
New model local law for councils to help reduce dogs attacks on koalas	Qld	Implementation by local government will lead to reduced dog attacks on koalas	2010	Commenced/ongoing	Use of the model local law by Local Government Authorities is voluntary.
			2011	Ongoing	Redland City Council has implemented koala-friendly dog control measures in particular areas and is considering extending to further areas of the LGA. Uptake by other LGAs not known at this time.
			2012	Ongoing	
Population Viability Analysis of effect of dog predation	NSW	A Population Viability Analysis was conducted by OEH and published in 2007 on the koala populations in Port Stephens. This analysis informed the development of the Port Stephens Koala Plan of Management under SEPP44.	2010	Completed	PVA showed that mortality due to dog predation is a significant threat to koala populations.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Fox and dog baiting	NSW	Fox and dog baiting program throughout areas sustaining koalas in Morton NP and Bungonia SRA, Biamanga NP, Bermagui NR, Murrah and Mumbulla SF and in Nature Reserves sustaining koalas in North East Monaro.	2010	Commenced (2009)/ongoing	
			2011	Ongoing	Fox and dog baiting program was undertaken throughout areas sustaining koalas in Morton NP and Bungonia SRA, Biamanga NP, Bermagui NR, Murrah and Mumbulla SF and in Nature Reserves sustaining koalas in North East Monaro.
			2012	Ongoing	Fox and dog baiting program will continue.
Dogs controlled near koala population on Raymond Island	Vic	Dogs to be kept under control or on leash	2010	Ongoing	The Shire (East Gippsland Shire Council by-law) and Parks Victoria are responsible for compliance.
			2011	Ongoing	The Shire (East Gippsland Shire Council by-law) and Parks Victoria are responsible for compliance.
Living with Wildlife	SA	Developing website information and brochures to promote its 'Living with Wildlife' approach to koala issues.	2010	Planned	
			2011	Commenced/ongoing	Living with Wildlife website developed and 'Koalas and Dogs don't Mix' fact sheet published. Will be updated as required.
			2012	Ongoing	Living with Wildlife website will be reviewed and updated as required.
State-wide Koala Management Strategy	SA	The SA Government is developing a State-wide Koala Management Strategy which aims to conserve and manage sustainable populations of koalas throughout their natural and introduced ranges. This may include information on responsible dog ownership.	2011	Commenced/ongoing	In early stages of development.
			2012	Ongoing	Envisaged to be a 12 to 18 month process.
3.03 Disease assessment and treatment					

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Australian Research Council (ARC)	Australian Government	National Competitive Grants Program funding for koala projects.		Ongoing	Since 2002 the ARC has awarded funding to eleven projects involving research directly and indirectly related to koalas. This includes almost \$3 million for ten projects about koala genetic diversity and koala disease.
The Koala Disease Fund	Qld	The Koala Disease Research Fund has been established to support high quality research into mitigating the effects of disease on wild populations of koalas.	2010	Commenced	Underway – an expression of interest has been called. The Koala Disease Research Fund will have a total value of \$400 000. Funding will be allocated through an open competitive funding round.
			2011	Ongoing	4 projects underway, total value \$399 608. Research areas - Chlamydial vaccine development; disease causes & consequences; presence of Chlamydia & identification of risk factors; relationship between stress & disease. Research institutions involved – Queensland University of Technology, University of Queensland and University of Melbourne. Completion and acceptance of all final reports due before April 2012.
Moggill Koala Hospital	Qld	Moggill Koala Hospital was established in 1991. Injured and diseased koalas are treated, and orphaned koalas are rehabilitated, for return to the wild.	2010	Ongoing	Koalas are also treated at the Australia Zoo Wildlife Hospital, at the Currumbin Wildlife Sanctuary Hospital, and at various private veterinarian clinics.
			2011	Ongoing	In the period 1997 to mid-May 2011: <ul style="list-style-type: none"> 21 965 sick, injured or orphaned koalas were delivered to wildlife hospitals in SEQ, including MKH. Of these, 7120 were dead on arrival; 7514 required euthanasia on arrival; 6288 were admitted for treatment; 1043 were released immediately.
			2012	Ongoing	

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Koala Ambulance Service, Koala Policy & Operations Branch, DERM	Qld	To respond to calls from organisations and members of the public to reports of sick, injured and orphaned (SIO) koalas within the ambulance scope of operation.	2010	Ongoing	Ambulance operates in daylight hours from the Daisy Hill Koala Centre primarily within the Koala Coast region (an area of approx. 375 sq km, encompassing portions of 3 local government authorities: Redland City, Logan City and Brisbane City) and delivers for treatment SIO koalas to veterinary facilities such as the Moggill Koala Hospital.
			2011	Ongoing	
			2012	Ongoing	
Monitoring	NSW (DECC & DII)	Fauna rehabilitation groups are licensed by OEH and work with veterinarians to assess and treat disease in koalas.	2010	Commenced/ongoing	
			2011	Ongoing	
			2012	Ongoing	
Assessment of prevalence and cause of Chlamydia on Liverpool Plains	NSW	Discussions are underway with veterinarians at the University of Sydney to study the prevalence and geographic distribution of koala diseases, particularly Chlamydia.	2010	Planned	
			2011	Commenced	Work includes zoologists from USYD. One honours project completed.
			2012	Ongoing	Analysis of first data sets planned for publication.
Koala disease program – Victoria	Vic	TBA	2010	Planned	Zoos Victoria is starting a koala disease research program.
			2011	To be announced	
Raymond Island Wildlife Health Surveillance	Vic	Monitoring for Chlamydia, Mycobacterium ulcerans, Retrovirus	2010-2012	Ongoing	Current and occurs ever time a translocation occurs.
Raymond Island ocular coloboma testing.	Vic	Tested sample of population for Ocular coloboma. Feeds into criteria for translocation.	2010	Completed	Slow process for examination and very close encounter required.
State-wide Koala Management Strategy	SA	The SA Government is developing a State-wide Koala Management	2011	Commenced/ongoing	In early stages of development.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
		Strategy which aims to conserve and manage sustainable populations of koalas throughout their natural and introduced ranges. This may include identification and guidance on methods to reduce vulnerability of populations to disease.	2012	Ongoing	Envisaged to be a 12 to 18 month process.
Category 4 Community involvement					
4.01 Provide extension and advisory services for koala protection on private land					
Daisy Hill Koala Centre (DHKC), Koala Policy & Operations Branch, DERM	Qld	Koala-specific interpretive information provided to visitors, community groups, and to schools on koala conservation issues, particularly mortality due to habitat loss, disease, cars & dogs.	2010	Ongoing	Visitor Centre in Koala Coast area of south-east Queensland. DHKC was refurbished in 2009.
			2011	Ongoing	Interpretive Rangers provide structured talks within the Centre as well as travelling to deliver talks to targeted off-site audiences such as school groups. DHKC Ambulance Rangers also deliver on-site interpretive material to members of the public.
			2012	Ongoing	
DERM Koala Operations Unit, Planning Services Team	Qld	Provide advice to Local Government Authorities, Government & private developers, and stakeholder groups and individuals on habitat retention & koala-friendly development practices; assess strategic planning instruments, such as Structure Plans, and undertake State Interest checks against the requirements of the SPP & SPRP.	2010	Ongoing	Advice formerly provided under the Koala Conservation Plan now provided with respect to the koala SPP & SPRP. Formal concurrence responsibilities under the SPRP are undertaken by Local Governments.
			2011	Ongoing	Emphasis on LGAs, Government Departments, and Government-owned Corporations.
			2012	Ongoing	
Great Eastern Ranges Landscape scale conservation program	NSW	See 1.01		Ongoing	See 1.01

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
State-wide web based survey and local intensive surveys	NSW	Represents a cost efficient monitoring procedure; provides a key element in SEPP 44 planning, and, provides information for local decision makers. Enables the community to be engaged in the discovery phase of koala work rather than just the policy document.	2012	Ongoing	
Great Eastern Ranges Landscape scale conservation program	NSW	See 1.01	2010	Ongoing	
			2011	Ongoing	Members of Great Eastern Ranges Landscape Plan Conservation Program have participated in koala surveys and publicised results through their newsletter.
			2012	Ongoing	Participation of members of Eastern Ranges Landscape Plan Conservation Program in koala surveys in S. Tablelands.
Website/brochures	SA	Developing website information and brochures to promote 'Living with Wildlife' approach to koala issues.	2010	Planned	
			2011	Commenced/ongoing	Living with Wildlife website developed and a series of fact sheets published. Will be updated as required.
			2012	Ongoing	Living with Wildlife publications will be reviewed and updated as required.
4.02 Develop and distribute education material					
Koala conservation and management information on the DERM website	Qld	High quality and appropriate information on the DERM website updated regularly	2010	Ongoing	An example is the recently released fencing for koala habitat guideline
			2011	Ongoing	New web pages developed (eg. SPP & SPRP explained). Structure of koala web pages completely redesigned for ease of use - release is imminent.
			2012	Ongoing	Web page restructure implemented. Revision and re-launching of a number of web pages is ongoing.
Distribute education material in NSW South Coast region	NSW	Public release of Interim Report on Surveys conducted in 2007-2009 for	2010	Complete/ongoing	

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
		Koalas in the Coastal Forests of the Bermagui/Mumbulla Area and associated media, website and email networks distribution. Distribution of bilingual (English and Dhurga, the main Aboriginal language of the NSW South Coast) booklet to schools and Aboriginal land councils on local koala history and ecology. Distribution of survey methods educational kit (RGSAT method) to science students from local high schools, Bournda Environmental Educational Centre and Crossing land Education Centre.OEH maintains a threatened species website which includes a profile page for the koala and the listed endangered populations. Links are also included to the State Koala Recovery Plan, the National Koala Conservation Strategy and other reports.	2011	Ongoing	Interim reports on results of survey programs in Far South Coast and Southern Tablelands published and distributed, primarily to volunteers. Some publicity
			2012	Ongoing	Information kit for landholders owning properties where koalas occur on the Southern Tablelands prepared and distributed.
Publication: Climate Change How will it affect the natural environment in NSW?	NSW	Publication on the effects of climate change; case study of a heatwave during an intense drought, on the Liverpool Plains, in December 2009.	2010	Commenced	
			2011	Ongoing	
			2012	Planned	Climate change is adding to the threats facing koalas. Adaptation strategies will need to be developed to incorporate more frequent extreme weather events as well as the impact of rising temperatures and the effect of carbon dioxide on leaf nutrients.
Develop Emergency protocols for the rescue of wildlife during bushfires	Vic	Coordinated, efficient and safe response to wildlife rescue from bushfires.	2010	Ongoing	Conducted information sessions and sent document to practitioners. Volunteers must attend pre-season briefings and meet all requirements before they can attend fire grounds.
			2011	Ongoing	

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2012	Ongoing	
Living with Wildlife - Koalas	SA	Developing website information and brochures to promote 'Living with Wildlife' approach to koala issues.	2010	Planned	
			2011	Commenced/ongoing	Living with Wildlife website developed and a series of fact sheets published. Will be updated as required.
			2012	Ongoing	Living with Wildlife website will be reviewed and updated as required.
4.03 Extend community involvement and engagement					
Caring for our Country	Australian Government	Under the Caring for our Country initiative organisations can apply for funding to help them buy land for new conservation reserves.		Ongoing	For successful applicants, the Australian Government provides up to two-thirds of the purchase price for a property and the partner organisation contributes the rest. The partner then owns the property and manages it for long-term nature conservation.
Queensland Koala Fund	Qld	The Queensland Government is establishing the Queensland Koala Fund to allow businesses, householders, local government and other organisations to contribute to the Koala Response Strategy.	2010	Planned	All donations are fully tax-deductible and will be used for koala conservation activities in south-east Queensland.
			2011	Terminated	Will not proceed.
Develop and maintain community partnerships and involvement in the South Coast Region	NSW	1. Koala Survey program involving volunteers undertaking approximately 50 field trips to assess sites for koala evidence. 2. Koala survey program working with Aboriginal Land Council representatives undertaking approximately 20 field trips to assess sites for koala evidence	2010	Ongoing	Part of a broader program in which the distribution and abundance of Koalas in escarpment and hinterland forests to the south west of Bega (primarily South East Forests National Park). Participants search for Koala faecal pellets at predetermined locations (grid intersections) using a consistent and repeatable method. Analysis of data gathered enables koala activity to be quantified. Other ecological data are also gathered at the sites.
			2011	Ongoing	Survey program involving volunteers (including landholders and Local Aboriginal Land Councils) undertaken in Kooraban and Southern Tablelands.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2012	Ongoing	The survey and monitoring program involving volunteers (including landholders and Local Aboriginal Land Councils) in coastal and tableland areas of SENSW will be continued.
Local council engagement	NSW	OEH is working with councils (e.g. Great Lakes Council and the Hawks Nest Koala Working Group) to implement actions from the Hawks Nest Koala Recovery Plan.	2010	Commenced/ongoing	In 2009 OEH provided \$33k for Great Lakes Council and the Hawks Nest Koala Working Group to prepare a schedule of works to implement the Recovery Plan for the Hawks Nest and Tea Gardens Endangered Koala Population.
			2011	Ongoing	
			2012	Ongoing	
Local council engagement	NSW	OEH is working with local councils such as Coffs Harbour, Kempsey, Lismore, and Tweed to implement CKPOMs.	2010	Commenced/ongoing	OEH will continue to work with local councils to assist them to develop and implement CKPoMs.
			2011	Ongoing	This program links in with category 1, 3 and 6 in the national strategy.
			2012	Planned/ongoing	OEH will continue to work with local councils to implement PoM.
"Backyard Buddy" program and the Foundation for National Parks and Wildlife	NSW	The Foundation for National Parks and Wildlife continues to support fund raising for koala conservation, improving public awareness and engagement in koala conservation by providing discussion forums, information and access to scientists.	2010	Commenced/ongoing	The "Backyard Buddy" program includes a koala mascot.
			2011	Ongoing	Donations to the Foundation including from the Backyard Buddies program have helped by providing more than \$67 000 in funding for three Koala related conservation projects into 2011.
			2012	Ongoing	The Foundation is currently assessing another koala project for possible funding in 2012 in Victoria.
Conservation Partners Program	NSW	Establish conservation agreements and wildlife refuges on land that contains habitat for koalas.	2011	Commenced/ongoing	During 2011, 6 VCAs protected land where koalas were recorded on site and 6 protected suitable habitat where koalas have been recorded locally.
			2012	Ongoing	

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
NSW Threatened Species Priorities Action Statement (PAS)	NSW	Through the new PAS program, a new program of recovery action will be developed for the Koala based on the existing Koala Recovery Plan and the National Koala Conservation and Management Strategy. This will help guide the management and recovery of the Koala.	2012	Planned	Develop and commence implementation of revised recovery program for the koala.
Sam the koala on display at Melbourne Museum	Vic	Increased community awareness of koala ecology.	2010	Completed	Sam was the koala made famous when a photograph was published of her being offered water by a fire fighter.
Raymond Island community involvement with population management	Vic	Community involvement with translocations, fertility control, counts and welfare rescues. Community supportive of the program.	2010	Ongoing	Includes wildlife shelter operators directly involved in the program and tours of the program for the local community.
Koala Intervention Policy	SA	Policy to guide response to emergency situations involving koalas. Policy provides for an expanded role for the community in koala conservation, management and care.	2010	Planned	
			2011	Commenced/ongoing	Implementation of a new policy to guides actions which allows suitably qualified and experienced wildlife rehabilitators to assist in the recovery, rehabilitation and release of sick, injured or orphaned koalas across the state.
			2012	Ongoing	In process of implementation.
Category 5 Caring for koalas in captivity					
5.01 Develop guidelines for handling and care					
Code of Practice	Qld	Code of Practice, Care of orphaned, sick or injured protected animals by	2010	Commenced/ongoing	Updated 2010.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
		wildlife care volunteers.	2011	Ongoing	DERM recently entered into a partnership arrangement with RSPCA whereby reports of sick, injured and orphaned protected animals, including koalas, are handled through the RSPCA 1300 ANIMAL Call Centre. With respect to koalas, the RSPCA Call Centre notifies the closest relevant rescue organisation to effect the rescue (eg. DHKC Ambulance).
			2012	Ongoing	Gazettal of the revised Code of Practice is imminent.
Koala veterinary best-practice guidelines	Qld	Develop best-practice guidelines to assist veterinarians treat sick and injured koalas.	2010	Planned	A proposed project of Biosecurity Queensland.
			2011	Planned	
			2012	Planned	
Guidelines	NSW	OEH has 'Guidelines for the Care of Koalas'. OEH has newly developed guidelines for the rehabilitation of koalas in NSW.	2010	Commenced/ ongoing	The 'Guidelines for the Care of Koalas' will be reviewed within the next two years.
			2011	Ongoing	Complete. The policy has been reviewed and updated. It is now called "Code of Practice for Injured, Sick and Orphaned Koalas."
			2012	Planned/ ongoing	The Code of Practice for Injured, Sick and Orphaned Koalas will be published on the OEH website.
Evaluation of effectiveness of koala rehabilitation projects NSW	NSW	Identify state-wide picture of koala care; successes, human dimensions and record keeping.	2010	Commenced	
			2011	Ongoing	Sufficient information for publication of analysis.
			2012	Ongoing	Refinement of record analysis for the 800 koalas that go into care every year.
Develop guidelines for rescue, handling, rehabilitation, and release	Vic	State-wide consistent guidelines document for use by rehabilitators.	2010	Commenced/ ongoing	June 2011. DSE and Healesville Sanctuary are working with academics, veterinarians and rehabilitators.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Develop state-wide training for rehabilitators	Vic	Improved standards of care.	2010	Planned	
Koala Intervention Policy and Guidelines	SA	Policy to guide response to emergency situations involving koalas. Policy provides for an expanded role for the community in koala conservation, management and care.	2010	Planned	
			2011	Commenced/ongoing	Implementation of a new policy (see 4.03) and associated 'Guidelines for the Captive Management of Koalas (<i>Phascolarctos cinereus</i>) in South Australia'.
			2012	Ongoing	In process of implementation.
5.02 Review export conditions					
Review export conditions	Australian Government		2010	Complete	Guidelines for export of koalas reviewed by DEWHA in 2009.
Category 6 Research					
6.01 Develop and use broad-scale habitat analysis					
Potential research project	Qld	Encourage a research institution to undertake a project to identify appropriate, cost-effective, techniques.	2010	Planned	Incorporated into draft Koala Research Plan of the DERM Koala Policy & Operations Branch.
			2011	Planned	Research Plan awaiting final approval.
			2012	Planned	
Bermagui-Mumbulla Forests surveys	NSW	Peer review of statistical analysis of data gathered in 2007–09 in Bermagui-Mumbulla Forests. Based on review, kernel density estimation will be undertaken to map habitat attributes.	2010	Ongoing	Ongoing: Jan 2010 - June 2010
			2011	Completed	Peer review by CSIRO completed.
Broad-scale habitat analyses	NSW	A series of broadscale habitat analyses undertaken with the University of Queensland over the last 6 years, enabled by National ARC linkage grants. Papers have been published linking on ground conservation problems with broadscale landscape approaches.	2010	Completed	This program has initiated a series of subsequent projects.

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Genetic Studies	NSW	Genetic analysis commenced in 2011 by OEHS and Sydney University to assess genetic diversity with populations, genetic differences and linkages between populations and extent of retrovirus in populations in SENSU.	2011	Commenced/ongoing	
			2012	Ongoing	The genetic studies will continue, preferably with appointment of doctoral student to make this the prime focus of a PhD.
Bark Chewing Behaviour	NSW	Research into bark chewing behaviour of koalas.	2012	Planned	Undertaking research into bark-chewing behaviour by koalas will be investigated by OEHS and ANU.
Environmental reporting framework	SA	SA Government is developing an "environmental reporting framework" which will coordinate data collection and analysis and thus include the presently collected koala and habitat data but may allow data collected for other subjects to be incorporated into the analysis for koala program.	2011	Planned	
			2012	Planned	
State-wide Koala Management Strategy	SA	The SA Government is developing a State-wide Koala Management Strategy which aims to conserve and manage sustainable populations of koalas throughout their natural and introduced ranges. This may include identification and analysis of koala habitat and distribution.	2011	Commenced/ongoing	In early stages of development.
			2012	Ongoing	Envisaged to be a 12 to 18 month process.
6.02 Identify and prioritise knowledge gaps					
National Environmental Research Program (NERP)	Australian Government/ NSW	Program funding to develop a tool to evaluate and prioritise koala conservation actions.	2010	Ongoing	A joint project between NSW and DSEWPaC to evaluate the cost-effectiveness of existing strategies for koala conservation – part of a \$359,000 NERP funded project to also better manage human impacts on koalas. See 3.01 above
			2011	Ongoing	NERP project is underway.
			2012	Ongoing	

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
Identify long term changes in populations and why they differ between regions	NSW	To make more effective use of planning provisions, community efforts, and restoration programs.	2010	Commenced	
			2011	Ongoing	
			2012	Planned	Focus on both coastal and western populations to link in with current planning reviews as well as historical changes in land use and hunting.
6.03 Identify climate change research					
Potential research project	Qld	Encourage a research institution to undertake a project to identify potential directions.	2010	Planned	Incorporated into draft Koala Research Plan of the DERM Koala Policy & Operations Branch.
			2011	Planned	Research Plan awaiting final approval.
			2012	Planned	
Adapting restoration strategies for climate change	NSW	Identify tree choice in the identified region where climate change is having an impact (Gunnedah), and, to determine the extent to which temperature change has adversely effected coastal populations in NSW.	2010	Commenced	Initial work in Gunnedah well underway.
			2011	Ongoing	Work in Eden region commenced.
			2012	Ongoing	Analysis for Gunnedah and Eden with more projects planned.
6.04 Facilitate development of koala research network					
Koala Research Network		Cooperative of koala research scientists.	2010	Commenced/ongoing	Established by Queensland koala research scientists.
			2011	Ongoing	
			2012	Ongoing	
6.05 Develop methods to compare disparate data on koala distribution and abundance					
Develop standard methods on the South Coast	NSW	Participation in process comparing disparate data on koala distribution and abundance.	2010	Ongoing	
			2011	Ongoing	

Policy/measure/action	Jurisdiction	Outcome sought/achieved	Work Plan (year)	Status/timing (Planned, commenced, ongoing, completed)	Comments (Issues/constraints)
			2012	Planned/ongoing	NSW will assist in the planning and management of an expert's workshop to facilitate the integration of existing datasets and recommend any changes in survey methods.
National mapping workshop	Australian Government	Identify method for consistent mapping and evaluation of koala habitat.	2010	Ongoing	Data are being collected and collated.
6.06 Develop mechanisms to fund and disseminate research					
Koala Disease Research Fund	Qld	Establish a Koala Disease Research Fund to support high quality research into mitigating the effects of disease on wild populations of koalas.	2010	Commenced	See 3.03
			2011	Ongoing	
DERM Koala Policy & Operations Branch koala research program	Qld	Develop and manage in-house, out-sourced and partnership research into koala conservation issues.	2010	Ongoing	DERM develops and manages an in-house research plan and opportunistically funds and builds partnerships to conduct and disseminate dedicated research.
			2011	Ongoing	See 1.06, 1.08, 3.01, 3.03, 6.03
			2012	Ongoing	Discussions with the Koala Research Network have commenced re. partnerships.

