The suspected weed that turned out to be the presumed-extinct Cranbrook pea after a site visit discussing funding for bushland protection between farmer Bill O’Halloran (shown right) and Greening Australia’s Wendy Bradshaw in 2000, lead to publicity that resulted in a number of populations being discovered and protected.

This conservation plan was developed consultatively by the Gillamii Centre and Green Skills with the assistance of Gondwana Link Ltd. The plan focuses on the landscape between the Walpole Wilderness Area and the Stirling Range National Park.
Our focus area

Gondwana Link is an ambitious ecological vision that aims to link areas of bush from the wet forests of the far south west (near Margaret River) to the mallee and woodland to the east (near Kalgoorlie). Our focus area is the Forest to Stirlings landscape stretching roughly 70 km from the Walpole Wilderness Area (Mt. Roe National Park) to the west and the Stirling Range National Park to the east.

This plan builds on the following key ecological features of the area:

- numerous vegetation types ranging from forest in the west to mallee-heath/woodland in the east
- many wetlands with important plants and animals
- very high plant species richness
- situated at the junction of a number of catchments flowing in different directions
- represents the end of the range for a number of species (e.g. marron, red-tailed black cockatoo)

The western part of the area has many plantation forestry properties, most containing important remnant vegetation and associated fauna. This wetter region of the Forest to Stirlings landscape has more natural vegetation - primarily forest. As we move east towards the Stirling Range National Park, the forest changes into woodlands and mallee heath as the rainfall tapers off, and the plantation/forestry dominated landscape changes to broadacre farming (grain cropping/livestock) with more farmland relative to bush.

Threats to the biodiversity values of this area are in part linked to changes that have come about from past agricultural clearing such as fragmentation of bush, changes in water flows and rising salinity. These issues are well known within the community who are continuing to take active steps to address these threatening processes.
Our groups

The two major groups leading the development and implementation of this nature conservation plan are the Gillamii Centre and Green Skills. These groups, together with a number of others, have been working with the landholders of the area for over 20 years to help them conserve their important natural assets on their properties.

Who we work with so far

We consult with a range of stakeholders who provide information, guidance, technical expertise, passion, dedication, commitment and the range of skills needed to help us achieve our conservation goals, which so far includes:

- Birds Australia
- Contractors - Co-operative Research Centres
- Dept. of Agriculture and Food (WA)
- Dept. of Environment and Conservation
- Dept. of Planning and Infrastructure
- Dept. of Water
- Gondwana Link
- Greening Australia
- Land for Wildlife
- Landholders
- Nurseries
- Seed Suppliers
- Oyster Harbour Catchment Group
- Timber Plantation Companies
- Poorrarecup upgrade committee
- Shire of Cranbrook
- Shire of Plantagenet
- South Coast Natural Resource Management
- Universities
- Wilson Inlet Catchments Council.

What success looks like for us

Resilient, healthy bush and its wildlife connecting the Walpole Wilderness Area and the Stirling Range National Park across our agricultural landscape.

How we developed our plan

We used the Conservation Action Planning* methodology to identify eight key conservation “targets”** as the focus for our protection and restoration efforts. If we improve the viability of each of these targets, we believe we will improve the ecological condition of the entire system. Each target includes “nested” targets (species or communities with similar needs, threats or situation) and has different characteristics or attributes that need to be considered when developing strategies for their protection. In an initial assessment of the viability of the targets for this plan, most were determined to be in fair condition.

Note: The word target in the context of conservation target can be substituted by conservation/biodiversity asset.

* Conservation Action Planning (CAP) is a powerful tool to guide conservation teams to develop focused strategies and measures of success. CAP is The Nature Conservancy’s (www.nature.org/) version of the Open Standards for the Practice of Conservation www.conservationmeasures.org/initiatives/standards-for-project-management

** Focal Conservation Targets – A limited suite of species, communities and ecological systems that are chosen to represent and encompass the full array of biodiversity found in a project area. They are the basis for setting goals, carrying out conservation actions, and measuring conservation effectiveness. In theory, conservation of the focal targets will ensure the conservation of all native biodiversity within functional landscapes.
Our conservation targets

Upper Kent Wetland Suite
- Many of these wetlands are regionally significant on the South Coast, but many are threatened or at risk.
- They are found in shire reserves and on private property.
- Shire reserves include Nunijup, Poorrarecup (pictured) & Carabundup lakes.
- They have been identified as being important habitat for a large number of waterbirds.
- Some species are listed on international treaties, such as the Banded Stilt (pictured), an endemic Australian shorebird of international significance.
- These wetlands were historically fresh water systems but as a result of changed water flows (mainly following historical agricultural clearing) many are now saline.
- Some of the Upper Kent wetlands are recoverable (from a hydrological/salinity point of view), others are not.
- Wetlands towards the west of the area, within the “blue gum line” (>600 mm annual rainfall) have a higher chance of recovery.
- Large scale eucalyptus plantations have helped wetlands to revert back to their pre-clearing water levels.
- Groundwater and surface water flows are the key drivers of these wetlands.

Wandoo associated vegetation communities
- Wandoo woodlands are characterised by a few tree species, in particular wandoo (white gum, Eucalyptus wandoo) with a dominant ground layer of restios, lilies, orchids, grasses & daisies and a scattered shrub understorey of hakeas, acacias & pea flowers.
- This range of trees and shrubs, flowering at different times of the year, provides a continuous source of nectar for birds such as honeyeaters and insects which in turn provide food for insectivorous birds such as the western yellow robin, golden whistler and rufous treecreeper (pictured below right).
- A number of species such as the endangered Carnaby’s cockatoo rely on old trees with hollows for breeding and nesting. In addition phascogales, bats and birds utilise the upper branches and hollows of standing wandoo trees and possums often rest in tree hollows during the day and come out at night to feed on the leaves. Old wandoo trees with their large branches also provide nesting sites for a range of birds including ducks, owls and eagles.
- Wandoo woodlands occur on duplex soils (gravel over clay & clay-loams) that have a high value for agriculture and as a consequence have been largely cleared in the past leading to fragmentation and loss of habitat for wildlife.
- Threats such as selective logging, changed disturbance such as loss of digging, fungi-eating small (“snack sized”) mammals and inappropriate fire regimes have further modified stand density and canopy cover of wandoo communities. (* to a predator such as a fox)
- Although clearing has largely ceased, degradation of habitat fragments continues. Many remaining trees are dying while natural regeneration and tree planting efforts are not keeping pace with this loss.
- Furthermore competition for tree hollows, that only start to form when the trees are more than 150 - 200 years old, by feral bees and non-native bird species is seriously diminishing the habitat value of existing trees.

Proteaceous rich shrublands/woodlands
- Proteaceous-rich communities are associated with rocky soils such as laterite and sandstone, as well as sand or gravel over clay, and deeper sands found in valley floors, often as low dunes and on slopes.
- Healthy proteaceous rich communities provide copious amounts of nectar and pollen, an important food source for native birds, mammals and insect species throughout the year, particularly during autumn and winter when other food sources are limited.
- These areas may be small in size, and associated with other vegetation communities such as wandoo and mallee, however they have a very important ecological role.
- These communities were historically small in extent and being easy to clear for agriculture in the past are now highly fragmented and reduced in size.
- In addition they are very susceptible to the plant pathogen Phytophthora cinnamomi (dieback) and to other disturbances such as fire, weeds and fertiliser drift.
- Owing to their high value as habitat and a food rich resource, proteaceous rich shrublands/ woodlands are important for a range of species even if limited in area and are a priority for protection and restoration.

Black-gloved wallaby
- The black-gloved (or western brush) wallaby (Macropus irma) is known from the area — is possibly in decline — and relies on dense understorey habitat for protection from predators and landscape-scale bushland connectivity.
- If strong black-gloved wallaby populations can be sustained in the area it is believed that other species such as the brush-tailed possum, and other “snack-sized” mammals (35 - 5,500 g) such as quendas (also known as bandicoots – pictured below right) that are vulnerable to predation, will also benefit.
- The black-gloved wallaby was very common in the early days of settlement and periodically large numbers were traded commercially for skins.
- Wallaby ranges have been seriously reduced and fragmented due to past clearing for agriculture and the quality of existing habitat has also declined to a large extent.
- Current threats to wallabies include foxes, dogs, vehicles and a lack of suitable habitat.
- It is known from the wheatbelt that black-gloved wallabies can survive in reserves of less than 500 hectares providing there is both dense vegetation for shelter and more open areas for feeding. The same research suggests that wallabies cannot survive in bush areas of less than about 100 hectares in size.
- Black-gloved wallabies sometimes intermingle with kangaroos but (unlike kangaroos) do not venture far into paddocks (will forage up to about 200 metres from bush).
- Little is known about the density of black gloved wallabies, although it is known that they drink water every day and occur in small family groups of 2-4 individuals.
Jarrah/Marri associated vegetation communities

- Jarrah/Marri varies from Forest to Low Woodland occurring on a range of soil types including granites, laterites and deep sands.
- The dominant over-storey trees are Jarrah (Eucalyptus marginata) and Marri (Corymbia calophylla).
- Understorey species include banksias and other proteaceous plants, sheoaks, grass trees, melaleucas & tea trees and a range of acacias and members of the pea family.
- This diverse vegetation type is susceptible to a range of threats including dieback, rabbits and kangaroos and the effects of a drying climate.
- Jarrah & Marri forests and woodlands offer a diverse range of habitat and food sources for fauna, and the range of “snack sized” (35 - 5,500 g) have been identified as an important part of these systems.

Carnaby’s black cockatoo

- This target comprises primarily Carnaby’s cockatoo (Calyptorhynchus latirostris) with two other black cockatoo species, Baudin’s (Calyptorhynchus baudinii) and the red-tailed black cockatoo (Calyptorhynchus magnificus) as “nested” targets.
- All three species are reliant on very old trees for the provision of hollows in which to nest and rear their young.
- All three birds occur in the Forest to Stirlings area, and owing to the steep climatic and vegetation gradients across the area, two of these species, Baudin’s cockatoo and the red-tailed black cockatoo are probably close to the eastern-most extent of their range.
- Nesting hollows for Carnaby’s cockatoos need to be located within 12 km of its favoured food source - proteaceous-rich shrublands, for these birds to derive sufficient energy to maintain themselves and their chicks.
- Owing primarily to the requirement for both large old trees (which are at risk of dying/ being removed on many farms) and healthy proteaceous rich shrublands (which are at risk from fragmentation, Phytophthora dieback etc.) it is perhaps not surprising that Carnaby’s cockatoo is classified endangered.

Stirling Range outliers

- Ridge and hill vegetation extending westwards from the western part of the Stirling Range National Park to Geekabee Hill (approximately15km west of Cranbrook).
- Occur primarily on Stirling Range sandstone and quartzite and are dependent on specific fire requirements.
- These hilltops comprise high diversity, distinctive areas, with more similarities with the Stirling Range vegetation than with ironstones to the north and south, and occupy a distinctive landform.
- These outliers may include more than one vegetation type and need to be investigated further to determine floristic and structural components and relationships to other vegetation systems.
- They have high floral biodiversity (and endemism) and include Sukey Hill near Cranbrook.
- Threats to these systems include fragmentation and Phytophthora dieback for susceptible species.

West Balicup Wetland Suite

- These historically saline wetlands are part of a system described as a stagnant regional aquifer in which there is very little underground movement of water.
- The Balicup wetlands were formed in a dryer climate when salts were closer to the surface. The lakes dried up and blow outs caused lunettes (crescent shaped ridges) to form that were rich in salt and gypsum.
- Long term evaporation with little groundwater movement has caused extreme salinity, in some cases up to three times the concentration of seawater.
- The wetlands may be considered to be “windows” to the groundwater.
- Excessive phosphorus run-off from farmland may in fact be more harmful than salt for these systems, causing toxic blue-green algae outbreaks in warm weather due to eutrophication (depleted bioavailable oxygen).
- Some of these wetlands get a pink tinge at certain times, attributable to a salt tolerant algae (Dunaliella salina).
- The fringing vegetation of these systems is crucial for ecological balance and it is important to consider the broader valley feeding these wetlands, rather than just the wetlands themselves when considering strategies for intervention.
- Some of the Balicup wetlands are contained within substantial nature reserves and have been recognised as being nationally significant, being listed in the National Directory of Important Wetlands in Australia.
- Some Balicup wetlands are considered regionally significant on the South Coast, and occur in both nature reserves and on private property.
- The nature reserves include the major lakes Balicup, Camel, and Jebarjup, many of which have been identified as being important habitat for a large number of waterbirds, particularly those listed on international treaties.
Critical threats to our conservation area

All of the conservation targets are impacted by multiple threats, which act together to alter their viability. Based on information that the team had access to, the main threats for each conservation target were identified and ranked.

Key threats identified so far include:

- loss of vegetation cover and soil carbon leading to inefficient water cycling (including reduced rainfall) on agricultural land,
- clearing (past and present, mechanical and through ongoing grazing) leading to loss of habitat and fragmentation of remnants,
- habitat loss, exacerbated by a range of factors including salinity, inappropriate fire regimes, road and other infrastructure development, invasion by weeds,
- *Phytophthora cinnamomi* (dieback), and
- loss of habitat for Carnaby’s black cockatoo such as competition for hollows & removal of paddock trees.

Predation by introduced carnivores is exacerbated by loss of habitat (such as dense understorey that provides protection for native fauna) that affects numerous species, including many of the smaller native mammals and birds that pollinate local plants.

As bushland becomes more fragmented, many plants and animals are unable to move between remnants, leading to ongoing local extinctions. This leads to disruption of ecosystem processes that ‘maintain the landscape’ - through interactions between plants, animals, fungi and micro-organisms with each other and the soil, air, water and sunlight.

While fires are a part of natural landscapes in Australia, inappropriate fire regimes can destroy some vegetation types completely, particularly when fires are too frequent or too severe to allow seed to set between fires.

Many of the Proteaceae (e.g. *Banksia, Hakea*) are susceptible to fire, but the biggest threat to this family is the spread of *Phytophthora cinnamomi*, as it will kill many of the species that are both ecologically important as well as being spectacular and characteristic of the area.
# Key threats for each conservation target

<table>
<thead>
<tr>
<th>Threats</th>
<th>Conservation Targets</th>
<th>Upper Kent Wetland Suite</th>
<th>Wandoow associated vegetation communities</th>
<th>Proteaceae rich shrublands/woodlands</th>
<th>Black gloved wallaby</th>
<th>Jarrah/ Marri associated vegetation communities</th>
<th>Carnaby's black cockatoo</th>
<th>Stirling Range outliers</th>
<th>West Balkup Wetland Suite</th>
<th>Overall Threat Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drying Climate</td>
<td></td>
<td>High</td>
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<tr>
<td>Fragmentation due to historical clearing</td>
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<tr>
<td>Wildfire</td>
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<tr>
<td>Loss of food sources within foraging distance of nesting</td>
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<td></td>
<td>Very High</td>
<td>High</td>
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<tr>
<td>Phytophthora dieback</td>
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<td>Medium</td>
<td>High</td>
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<td></td>
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<tr>
<td>Current Clearing (development, infrastructure, farming)</td>
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<td>Medium</td>
<td>High</td>
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<td>Medium</td>
<td>Medium</td>
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<tr>
<td>Clearing-induced hydrological change</td>
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<tr>
<td>Current removal of paddock trees</td>
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<td>Low</td>
<td>Low</td>
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<tr>
<td>Grazing (rabbits, kangaroos, livestock &amp; feral pigs)</td>
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<td>Medium</td>
<td>Low</td>
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<tr>
<td>Competition for hollows</td>
<td></td>
<td>Low</td>
<td>High</td>
<td>Medium</td>
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<td>Medium</td>
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<tr>
<td>Marri canker</td>
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<td></td>
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<tr>
<td>Weeds</td>
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<td>Medium</td>
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<tr>
<td>Carnivores (foxes, cats, pigs, kookaburras)</td>
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<td>Medium</td>
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<td>Medium</td>
<td>Medium</td>
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<tr>
<td>Deaths by vehicles</td>
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<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
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<tr>
<td>Prescribed burning (current practices)</td>
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<td>Medium</td>
<td>Medium</td>
<td>Low</td>
<td>Medium</td>
<td>Low</td>
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<tr>
<td>Barriers (fences, roads)</td>
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<td>Medium</td>
<td>Low</td>
<td>Low</td>
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<tr>
<td>Nutrient &amp; weed seed drift</td>
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<td>Low</td>
<td>Medium</td>
<td>Low</td>
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<tr>
<td>Loss of mycovores (fungi eaters such as woylies &amp; quenda)</td>
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<td>Medium</td>
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<td>Medium</td>
<td>Low</td>
<td>Medium</td>
<td>Low</td>
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<tr>
<td>Shooting of native species</td>
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<td></td>
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<td>Medium</td>
<td>Low</td>
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<td>Water abstraction</td>
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<td>Low</td>
<td>Medium</td>
<td>Low</td>
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<tr>
<td>High water use by plantation forests</td>
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<td>Low</td>
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<td>Low</td>
<td>Low</td>
<td>Low</td>
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<tr>
<td>Threat Status for Targets and Project</td>
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<td>High</td>
<td>Very High</td>
<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
<td>Very High</td>
</tr>
</tbody>
</table>
Strategic directions

Exciting stories such as a number of sightings of bandicoots (quendas) in recent times in the vicinity of the Lehman and Walsh properties near Cranbrook — where extensive revegetation and bushland protection has been carried out, together with their location close to the Stirling Range National Park — is testimony to the need for strategic planning and the possibility of extending the ranges of these rare animals in the Stirling to Forest link.

Our conservation goal in the Forest to Stirlings area is to enhance the viability of each conservation target, which means we need to improve the condition, the size and/or the processes that maintain these targets and eliminate or reduce the threats to them. By doing this for our eight conservation targets, we should also improve the ecological health of the rest of the system because many of the processes and the threats are common to many components of the ecosystem.

During the strategy setting part of the process it was acknowledged that more information is needed for some of the targets, and some of these requirements have been brought into the strategies below. The Proteaceous rich shrublands/woodlands target, also came under a lot of discussion and it was acknowledged that despite members of the working group undertaking a brief field survey, further research and survey requirements are required for this important target.

A range of objectives and strategies (listed as bullet points) have been developed to enhance the status of the identified conservation targets as follows overleaf (only highest ranked strategies described here).
Objectives and strategies

Overall enabling strategies for all conservation targets
Objective: Ensure that enabling strategies (in particular funding, capacity building & communications) for the Gillamii Centre and Green Skills and associated groups are scoped and developed by 2012, to ensure the effective implementation of conservation strategies through to 2020 and beyond.
- Develop and implement a long-term funding strategy for conservation interventions in the Forest to Stirlings Landscape.
- Increase the capacity of the Gillamii Centre and Green Skills to plan, implement, monitor and review conservation interventions in the Forest to Stirlings Landscape.
- Develop and implement a strategy for communicating the value of the biodiversity of the Forest to Stirlings landholders, local authorities and visitors.

Conservation strategies for each conservation target

Upper Kent Wetland Suite
Objective: To improve the management and condition of biodiversity in the Upper Kent Wetland Suite in the Forest to Stirlings Functional Landscape by 2020.
- Undertake hydrological assessments on key pilot priority sites to determine condition and future prospects
- Implement new/known perennial pastures/ agroforestry/ other high water use options for agriculture
- Develop decision making framework for optimising location of restoration works
- Fencing of priority remnants
- Ensure that there are ongoing culling programs for kangaroos
- Revegetation of key areas for biodiversity including buffering & connecting remnants
- Build knowledge base of fire history, and investigate if there are any requirements for small cool fires
- Inform landholders and land managers on best fire management practices for remnants
- Ensure that monitoring takes place to keep track of water quality trends

Wandoo associated vegetation communities
Objective: To improve the condition and connectivity of Wandoo associated vegetation communities in the Forest to Stirlings Functional Landscape by 2015.
- Identification of key wandoo areas requiring fencing
- Fencing of key wandoo remnants
- Connecting critical areas of bushland
- Ensure public lands (and private forestry land) are well managed for fire, grazing pressure etc.
- Establish location of protectable areas for dieback control
- Link to groups monitoring wandoo decline to assist with wandoo health information

Proteaceous rich shrublands/woodlands
Objective: To improve the condition and conservation status of Proteaceous rich shrublands/woodlands in the Forest to Stirlings Functional Landscape by 2020.
- Identify and map the extent of proteaceous rich communities
- Fence proteaceous rich remnants
- Ensure high quality composition, structure & function are included in all revegetation projects
- Include proteaceous revegetation in key areas
- Increase regional capacity to apply best direct seeding (and other revegetation) practices
- Implement rabbit control program
- Increase proportion of proteaceous plants in Carbon Offset programs
- Build knowledge base of fire history, and investigate if there are any requirements for small cool fires
- Implement entrance signage for landholders – bio-security
- Inform landholders on best fire management practices for remnants
- Undertake Phosphite applications in key areas if practicable
- Targeted education on Proteaceae and dieback risk
Black gloved wallaby

**Objective:** To improve the habitat and conservation status of black gloved wallabies (and fauna with similar habitat requirements/threats) in the Forest to Stirlings Functional Landscape by 2015.

- Undertake community survey of black gloved wallaby and other fauna species (in particular bandicoots)
- Undertake targeted community survey - spotlighting, remote cameras, targeting specific areas such as reserves (coordinated survey)
- Undertake habitat protection (fencing) of good quality bush that has the potential to support black gloved wallabies and create important habitat linkages
- Restoration of key areas of habitat with high linkage value on previously cleared land using high quality revegetation/restoration practices
- Develop an integrated fox and cat (and rabbit) control program for the broader region, that considers a range of measures including: sponsorship for a bounty on shooting foxes and cats; annual fox shoots; a larger scale approach to make fox control do-able over regional scales (through NRM groups; Dept. Agriculture etc.) and integrated pilot projects in key habitat areas.

Jarrah/marri associated vegetation communities

**Objective:** To improve the condition and connectivity of Jarrah/marri associated vegetation communities in the Forest to Stirlings Functional Landscape by 2015.

- Identification of key jarrah/marri areas requiring fencing
- Fencing of key jarrah/marri remnants
- Connecting critical areas of bushland
- Ensure public lands (and private forestry land) are well managed for fire, grazing pressure etc.
- Establish location of protectable areas for dieback control

Carnaby’s Black Cockatoo

**Objective:** To improve the habitat and conservation status of black cockatoos in the Forest to Stirlings Functional Landscape by 2015.

- Identify key nesting sites (trees with hollows within critical distance of key feeding sites)
- Fence key remnants
- Plant Carnaby’s black cockatoo food sources in all revegetation
- Introduce pilot feral bee control program to measure the reduction in competition for nesting hollows
- Reduce competition for nesting hollows & predation from feral birds

Stirling Range Outliers

**Objective:** To improve the management and condition (from “Good” to “Very Good”) of the Stirling Range outliers in the Forest to Stirlings Functional Landscape by 2020.

- Fencing of Stirling Range outlier remnant vegetation
- Ensure public lands (and private forestry land) are well managed for fire, grazing pressure etc.
- Establish location of protectable areas for dieback control

West Balicup Wetland Suite

**Objective:** To improve the condition of the West Balicup Wetland Suite in the Forest to Stirlings Functional Landscape by 2020.

- Implement new/known perennial pastures/agroforestry/other high water use options for agriculture
- Develop decision making framework for optimising location of restoration works
- Fencing priority remnants
- Ensure that there are ongoing culling programs for kangaroos
- Revegetation of key areas for biodiversity including buffering & connecting remnants
- Build knowledge base of fire history, and investigate if there are any requirements for small cool fires
- Inform landholders and land managers on fire best management practices for remnants
- Ensure that monitoring takes place to keep track of water quality trends

Future strategies

This plan will be reviewed regularly as we learn more about the responses of the landscape and ecosystems to our management, and in particular as we become better informed by some of our further surveys and investigations. Future reviews of this plan will likely yield additional strategies. It is hoped that the strategies identified in this plan will go a long way towards abating the critical threats to our conservation targets.
Measuring our success

The key question that a group involved in conservation needs to answer is: “Are the conservation strategies we are using having their intended impact?” To answer this question, we are collecting and planning to collect further data on a number of indicators that gauge how well we are keeping the critical threats in check and, in turn, whether the viability of our conservation targets is improving. To date a monitoring framework has been developed (see below) and the most critical and practical methods to develop and implement our monitoring program further are being investigated.

<table>
<thead>
<tr>
<th>Conservation Target</th>
<th>Indicator</th>
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<tbody>
<tr>
<td><strong>Upper Kent Wetland Suite</strong></td>
<td>● Area and condition of native vegetation</td>
</tr>
<tr>
<td></td>
<td>● Fringing vegetation assessment</td>
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<tr>
<td></td>
<td>● Water health using physical, chemical and biological Ausrivas indices</td>
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<tr>
<td><strong>Wandoo associated vegetation communities</strong></td>
<td>● Proximity to other Wandoo woodlands and to other vegetation communities</td>
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<td></td>
<td>● Suite of fauna</td>
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<td></td>
<td>● Range of ant activity</td>
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<td></td>
<td>● Understorey &amp; recruitment</td>
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<td></td>
<td>● Crown condition of wandoo trees</td>
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<td></td>
<td>● Total area of healthy target vegetation (hectares)</td>
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<tr>
<td><strong>Proteaceous rich shrublands/woodlands</strong></td>
<td>● Disturbance within natural regime</td>
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<td>● Presence of key pollinators</td>
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<td></td>
<td>● Diversity of species age classes</td>
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<tr>
<td><strong>Black gloved wallaby</strong></td>
<td>● Area and condition of native vegetation</td>
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<tr>
<td></td>
<td>● Importance of movement and the effect of fences</td>
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<td></td>
<td>● Number/ percentage of potential suitable habitat occupied</td>
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<tr>
<td><strong>Jarrah/Marri associated vegetation communities</strong></td>
<td>● Complete range of age classes of woodland species across the area</td>
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<tr>
<td></td>
<td>● Presence of healthy understorey including proteaceous communities</td>
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<tr>
<td></td>
<td>● Crown condition of key tree species</td>
</tr>
<tr>
<td></td>
<td>● Total area of healthy target vegetation (hectares)</td>
</tr>
<tr>
<td><strong>Carnaby’s black cockatoo</strong></td>
<td>● Discrete populations within critical range</td>
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<tr>
<td></td>
<td>● Extent and location of proteaceous rich shrublands</td>
</tr>
<tr>
<td></td>
<td>● Availability of hollows for breeding and nearby food sources</td>
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<tr>
<td><strong>Stirling Range outliers</strong></td>
<td>● Proximity to other outliers and to other vegetation communities</td>
</tr>
<tr>
<td></td>
<td>● Fire age mosaic</td>
</tr>
<tr>
<td></td>
<td>● Vegetation assessment</td>
</tr>
<tr>
<td><strong>West Balicup Wetland Suite</strong></td>
<td>● Area and condition of native vegetation</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>● Water health using physical, chemical and biological Ausrivas indices</td>
</tr>
</tbody>
</table>
How can you get involved?

Please contact one of the following groups to find out how you can get involved:

- The Gillamii Centre  [www.gillamii.org.au](http://www.gillamii.org.au/)
- Green Skills  [www.greenskills.org.au](http://www.greenskills.org.au/)
- Gondwana Link  [www.gondwanalink.org](http://www.gondwanalink.org)

This plan is under ongoing review. For the more detailed, current version please see: [http://conpro.tnc.org/1721/](http://conpro.tnc.org/1721/)

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