



WAITAKERE CITY

LOCAL BIODIVERSITY ACTION PLAN | 2008



ENHANCING URBAN NATURE THROUGH A GLOBAL NETWORK OF LOCAL GOVERNMENTS





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1. INTRODUCTION

WHY WE NEED A BIODIVERSITY ACTION PLAN

New Zealand, as signatory to the international Convention on Biological Diversity, has an obligation to protect its indigenous biodiversity. Domestic legislation, such as the Resource Management Act 1991 and the Biosecurity Act 1993 reinforce this obligation. The *New Zealand Biodiversity Strategy – Our Chance to Turn the Tide* was prepared in 2000 to provide a framework for action to protect and maintain our biodiversity. The Council's own Green Network strategic platform holds the vision that streams and forests will be full of life, and seeks to link the Waitakere Ranges and the sea, connecting the everyday lives of the people of Waitakere with the natural world.

The Waitakere Ranges make up more than half of the City's land area and provide a home to a wide range of rare and common native plant and animal species. This expansive natural area has local, regional, national and international significance¹ for one reason or another; and the City has the collective responsibility for ensuring that these natural values are maintained, enjoyed and enhanced.

Native vegetation in the lowland area, which is the urban part of the City, is fragmented and primarily restricted to gullies and stream margins. There are small forest remnants, and an area of approximately 30ha of gumland vegetation in Waikumete Cemetery, but largely the vegetation is in the regeneration stage and commonly mixed with exotic species.

Section 31 of the Resource Management Act 1991 charges territorial authorities with the control of any actual or potential effects of the use, development or protection of land, including for the purpose of the maintenance of indigenous biological diversity. The legislative framework for having regard to biodiversity maintenance and management is provided in the Appendix to this action plan.

Waitakere's first *Biodiversity Strategy and Action Plan* was adopted in June 2006. Since then Waitakere has become a member of ICLEI's Local Action for Biodiversity project, produced its *Biodiversity Report* in December 2007 and committed to managing local biodiversity (Appendix 2). This Biodiversity Strategic Action Plan reviews and reports on progress of Waitakere's biodiversity management since 2006.

1 Auckland Regional Policy Statement, 1999.



Definitions

Biological diversity or biodiversity is the variety of all biological life – plants, animals, fungi, and micro-organisms – the genes they contain and the ecosystems on land or in water where they live. It is the diversity of life on earth and includes:

- Genetic diversity: The variability in the genetic make-up among individuals (and between populations) within a single species.
- Species diversity: The variety of species within a particular geographical area.
- Ecological (ecosystem) diversity: The variety of ecosystem types (forests, streams, wetlands) and their biological communities that interact with one another and their non-living environments.

Ecosystem is an interacting system of living and non-living parts (sunlight, air, water, nutrients). Ecosystems can be small and short-lived (rotting logs on a forest floor), or large and long-lived (kauri forest, lake).

Biosecurity is about exclusion, eradication and effective management of pests and unwanted organisms. Where biosecurity and biodiversity issues cross over is in the potential for pest species to replace natives.

New Zealand's contribution to global biodiversity

New Zealand's biodiversity is internationally important. We boast the world's only flightless parrot (kakapo); a bird with nostrils at the end of its beak (kiwi); a primitive frog that lays eggs that hatch into adult frogs (*Leiopelma* species); a large insect which fills a role that small rodents play in other countries (giant weta); and many other exceptional animals.

A high percentage of New Zealand's indigenous species is endemic (they are found nowhere else on earth) — a result of isolated evolution and the diversity of New Zealand's land and seascapes. This level of endemism is remarkable internationally. Both

species of New Zealand bat are endemic, as are all four frog species, all 60 reptile species, more than 90 percent of insect species and a similar percentage of marine molluscs, about 80 percent of vascular plants, and a quarter of all bird species. In contrast, Great Britain, which separated from continental Europe only 10,000 years ago, has only one endemic bird species (Scottish crossbill) and a handful of plant and invertebrate species (eg. Swallowtail butterfly).

The ecosystems in which our native plants and animals live are also highly distinctive. The kauri forests of the northern North Island, the braided river systems of the eastern South Island, and our geothermal ecosystems are some examples.

The uniqueness of much of New Zealand's indigenous biodiversity means that responsibility for its continued existence is entirely ours; it cannot be conserved in nature anywhere else in the world.



New Zealand's biodiversity decline

New Zealand, one of the last places on earth to be settled by humans, has one of the worst records of indigenous biodiversity loss. While biodiversity varies in natural cycles, nothing since the extinction of the dinosaurs (65 million years ago) compares with the decline in indigenous biodiversity in New Zealand over the last century.

The first phase of decline was the loss of New Zealand's larger bird species when humans first settled here, including the world's largest eagle and several moa species. By around 1600, about a third of the original forests had been replaced by grasslands although other habitats, for example wetlands and coastal areas, remained largely unchanged. From around 1850, the gathering pace of European settlement started a new wave of forest destruction. Since then, a further third of our original forests have been converted to farmland, and there has been extensive modification of wetlands, dunelands, river and lake systems, and coastal areas. Other bird species, such as the huia and laughing owl, also became extinct during this time.

As far as we know, in the last 700-800 years, humans and their accompanying pests have caused the extinction of:

- 32% of indigenous land and freshwater birds;
- 18% of endemic sea birds;
- three of seven frog species;
- at least 12 species of invertebrates such as snails and insects;
- one fish, one bat and perhaps three reptile species; and
- possibly 11 plant species².



Today, about 1000 of our known animal, plant, and fungi species are considered threatened, and it is likely that many presently unknown species are also threatened. Many populations of these threatened species have disappeared from areas where they were once found. This pattern of local loss of populations and shrinking of a species' range is the forerunner to species extinction.

The challenge at the national level is to integrate biodiversity considerations across all sectors of government and the economy. The challenge regionally and locally is to translate national priorities and targets into local plans and programmes.

² Ministry for the Environment, The State of New Zealand's Environment, 1997 and 2007.



Waitakere City's biodiversity challenge

The Waitakere Ranges are botanically rich containing 20% of all New Zealand's flowering plant species and 60% of all native fern species³. Although the following statistics are drawn from a number of sources and subject to change, the Ranges are home to:

- 542 species of native plant (111 species of these being native ferns)
- Many species of nationally threatened plants and 27 regionally threatened plant species
- 50 species of native bird
- 3 species of kauri snail (large land snail)
- 11 species of native freshwater fish
- 5 species of native reptile.
- 1 native frog species
- 1 native mammal (long-tailed bat).

Although records are not complete, it appears that we have lost 11 native bird species from the Ranges and 15 bird species from the lowlands. The short-tailed bat was once common in the region but has not been recorded for some time.

There are now 240 plant species identified as actual or potential threats to native vegetation, and there are 19 introduced bird species, 9 introduced mammals and 2 amphibians, all competing with our native species.

Maintaining biodiversity is not just about ensuring the survival of rare and endangered species. It is the whole range of different species, rare and common, and the variation between populations within a species that is important. Different populations of the same species, if isolated and subject to different selection pressures will vary over time and is the species' insurance against extinction. The reason for using eco-sourced or provenance plants in re-vegetation projects is first to ensure that the local gene pool of a species continues to survive, and secondly because the locally sourced material is well adapted to the local environmental conditions.

3 Waitakere Ecological District Survey Report, 1993

In summary, the challenge is to maintain the viability of local populations across the range of species that naturally occur in the region, the range of ecosystems, and to understand their significance and to facilitate community support and engagement in the long term.

VALUES OF BIODIVERSITY

Ecosystem Services

In addition to intrinsic value distinct from any human enjoyment or use, the value of Waitakere's biodiversity can be considered in terms of ecosystem services. These include provisioning services such as food and water; regulating services such as flood and disease control; cultural services such as spiritual, recreational, and cultural benefits; and supporting services such as nutrient cycling that maintain the conditions for life on Earth. The air we breathe, the water we drink, the soils that sustain our pastures, forestry, orchards and crops are examples of environmental goods that benefit humans. Without them, life on Earth would be impossible. These goods – air, water and soil – arise from interactions between living things, such as chemical reactions and mechanical processes. Ecosystem processes that benefit humans are called "ecosystem services": Examples of such services are detailed below:

a) Provisioning services

Provisioning services are the products obtained from ecosystems including, for example, genetic resources, food and fibre, and fresh water as follows:

- ecosystems and habitats that nurture fish and game, and other species that are harvested, either commercially, for customary or subsistence use, and/or for recreation.
- ecosystems and habitats that provide opportunities for bioprospecting.
- ecosystems and habitats that provide resources for scientific research.



- ecosystems that provide fresh water for drinking and irrigation.

The Waitakere Ranges and its forest cover provide the water catchment for Waitakere's drinking water. The reservoirs in the Waitakere Ranges also supply parts of surrounding local authority areas. The forested area is subject to numerous botanical and zoological research projects and education programmes.

b) Regulating services

Regulating services are the benefits obtained from the regulation of ecosystem processes including, for example, the regulation of climate, water, and some human diseases.

- Ecosystems and habitats that may capture carbon and regulate the effects of human-caused climate change.
- Vegetated catchments that regulate supply of water, mitigate flooding, reduce erosion, and reduce the rates of silting up of harbours and estuaries.

The forested Waitakere Ranges act as the lungs of the city; giving off oxygen and taking in and sequestering carbon dioxide. The forests also trap and hold moisture; so cooling the air.

c) Supporting services

Supporting services are ecosystem services that are necessary for the production of all other ecosystem services. Some examples include biomass production, production of atmospheric oxygen, soil formation and retention, nutrient cycling, water cycling, and:

- Native bees, which are varroa bee-mite resistant, may provide important pollination services for horticulture and pastoral farming.
- High-biodiversity ecosystems and habitats, such as wetlands, that provide nutrient recycling and environmental detoxification services to improve

aspects of the environment such as water quality.

- Ecosystems – eg. bacteria, flies, worms, fungi – that decompose decaying organic matter into essential minerals and other resources such as soil and purified water.

d) Cultural services

Cultural services are the non-material benefits people obtain from ecosystems through spiritual enrichment, cognitive development, reflection, recreation, and aesthetic experience including, eg., knowledge systems, social relations and aesthetic values.

- Ecosystems and habitats that provide attractive places to visit for recreation (eg. tramping, mountain-biking, camping, sightseeing, photography, snorkelling and diving), and for conservationists.
- Ecosystems and habitats in which people may pursue improved health and wellbeing, and/or for spiritual and/or cultural purposes.
- Ecosystems, habitats and scenery that provide the backdrop to New Zealand's clean, green image, and draw overseas tourists and film-makers to New Zealand.



Ecosystem services are often taken for granted, because they are “free”, that is, not traded directly in markets – unlike fish, vegetables and timber. The value to society of ecosystem services becomes more apparent when:

- They are in decline – when air and water is polluted, when erosion and overgrazing degrades soils, when deforested catchments lead to flooding in heavy rain, when whitebait catches fall on the removal of wetlands and streams for farming.
- There are conflicting demands on use – between hydro-electricity generation companies, irrigators, kayakers, anglers and rafting companies for river flows; between diving tourism companies, recreational snorkelers and fishers for healthy marine environments.

In these situations, the ecosystem services are no longer free, but, in the absence of markets and well-defined property rights it is unclear how they should best be managed. Also, ecosystems are so complicated that it is impossible to reproduce them artificially. Rather, humans impact on ecosystems, and in some cases the impacts are irreversible. The more the ecosystems are modified, the simpler they are likely to become and provide fewer services.

However, it is also important to note that in many situations, particularly in the urban part of Waitakere, natural areas require active management if they are to maintain or improve their current ecological values. Thus, the interaction of humans and the natural environment in Waitakere is a ‘two-way street’, with humans receiving these ‘ecosystem services’ while actively managing City’s natural areas. Indeed, for many people, participation in successful restoration projects is an extremely positive experience.

Community Involvement and Stewardship

Involvement in biodiversity management provides an opportunity for community connections and involvement in joint community events, as well as providing an education opportunity for people to learn more about Waitakere’s natural environment.

Maintaining biodiversity is important to Te Kawerau a Maki as traditional iwi and their concerns are to:

- Have access to flora and fauna for harvesting and craft;
- Ensure the protection and enhancement of native flora and fauna and their ecosystems;
- Support the eradication of exotic (introduced) plants and animals that are damaging, destroying or competing with native species or their ecosystems;
- Participate in decisions regarding the introduction of exotic flora and fauna into New Zealand, and
- Ensure that property rights are not ascribed to native species in breach of Treaty rights.

2. VISION

Native forests full of native birds linking streams full of native fish contributing to a resurgence of the whitebait shoals in the harbours.

Fulfilling this vision will involve commitment by Waitakere City Council, Auckland Regional Council, community groups and indeed all residents of Waitakere City.

Vision for the coast

- Little blue penguins successfully nesting along the west coast.
- Dotterels and terns successfully nesting at Whatipu.
- Dunes of the west coast are protected from over-use, maintained as a natural and dynamic system, and re-vegetated to provide habitat for indigenous species.
- A viable population of Maui's dolphin off the west coast.

Vision for the freshwater habitats

- A weed-free Te Henga wetland.
- A breeding population of fernbird at Orangihina.
- Continuous vegetated riparian margins along streams.
- Inanga commonly found in all streams.
- Giant kōkopu becoming more common in streams.

Vision for the forests

- Increased levels of legal protection for areas of native bush.
- Increase in population of kereru.
- Expansion in numbers and range of the long-tailed bat populations in the Waitakere Ranges and foothills.
- Stabilisation in the occurrence and population levels of threatened plant species.
- Increased visits by birds from the off-shore islands.
- Land snails and other invertebrate species becoming more common in the Waitakere Ranges and the foothills.
- Hochstetter's frog becoming more common throughout the Waitakere Ranges.
- Successful re-introduction of species lost from Waitakere City.

Vision for the urban area

- Expansion and enhancement of native bush and forest remnants in the lowland/urban areas.
- Kereru visiting gardens throughout the urban area.
- Project twin streams principles rolled out across the rest of the City.
- Banded rail along Henderson Creek.
- Wildlife refuges established in reserves, for example, seeding grasses, nectar-producing flowers, fruiting native species, thick understorey below stands of trees.

3. GOALS FOR WAITAKERE'S BIODIVERSITY



Goal 1: Establish the state of Waitakere's biodiversity.

Goal 2: Provide for the maintenance and long-term viability of the City's indigenous biodiversity.

Goal 3: Enable the re-establishment of plants and animals lost from the City and replenishment of threatened species

Goal 4: Enable the effective involvement of tangata whenua in the management of biodiversity and fulfil their responsibilities as kaitiaki.

Goal 5: Co-ordinate, contribute to and build community capacity for the maintenance and enhancement of indigenous biodiversity.

Goal 6: On-going research and monitoring to refine management practices.

4. ROLES OF AGENCIES IN MANAGING BIODIVERSITY

Ministry for the Environment

The Ministry for the Environment advises central government on New Zealand's environmental laws, policies, standards and guidelines, monitors how they are working in practice, and takes any action needed to improve them. This includes making sure that the Treaty of Waitangi is taken into account in environmental management.

The Ministry works closely with local government, which is responsible for day to day environmental management.

Department of Conservation

The Department of Conservation is the central government organisation charged with conserving the natural and historic heritage of New Zealand on behalf of and for the benefit of present and future New Zealanders.

The Department manages or administers on behalf of New Zealanders:

- national parks and conservation parks (formerly called forest parks)
- reserves and conservation areas
- protected indigenous forests
- protected inland waters and wild and scenic rivers
- indigenous/native wildlife
- non-commercial freshwater fisheries
- historic places on conservation land
- marine reserves and protecting marine mammals offshore islands set aside for conservation.

Auckland Regional Council

The Auckland Regional Council (ARC) is responsible for the region's coasts, beaches and natural environment. The role of the ARC is to protect the region's air, soil and water resources from pollution and to ensure their sustainable use as Auckland develops and its population grows.

The ARC provides support and funding for private land owners and community groups undertaking biodiversity projects.

The ARC is also a major land owner with responsibility for the management of the Waitakere Ranges Regional Park.

Royal Forest & Bird Protection Society (Forest & Bird)

Forest & Bird are landowners and advocates for the protection of habitats and native species.

North West Wildlink

The North West Wildlink is a co-operative venture between Auckland Regional Council, Waitakere and North Shore City Councils, Rodney District Council, Forest & Bird and the Department of Conservation together with their communities. The goal is to create and expand wildlife corridors to link the Hauraki Gulf Islands in the east with the Waitakere Ranges in the west.



Ark in the Park

Ark in the Park is a volunteer group supported by Auckland Regional Council, Forest & Bird and Department of Conservation to create a pest-free 'mainland island' in the Waitakere Ranges Regional Park. The purpose of this 'Ark' is to re-introduce and protect species that previously inhabited the Waitakere Ranges but have become locally extinct.



Other Conservation Groups

There are a number of conservation groups that work co-operatively with ARC and Waitakere City Council on park land and private land to maintain ecological systems and biodiversity.

Project Twin Streams

The Project is a community volunteer organisation supported by Waitakere City Council and Auckland Regional Council, and led by community co-ordinators. The goal of the project is to restore streams in the catchment and enable the community to live sustainably.

Land Owners

Land owners have responsibility for managing their own land and its resources according to the *Waitakere City District Plan*.

Iwi

Iwi exercise kaitiakitanga or stewardship of natural resources in their rohe or area. There is the opportunity for iwi to develop iwi management plans.

Waitakere City Council

Waitakere City Council is a regulator under the Resource Management Act 1991 with responsibility for developing and administering their district plan. The *District Plan* must give effect to the *Auckland Regional Policy Statement* and the *Regional Plans* for Auckland or any national policy statements (*National Coastal Policy Statement*). The Council's regulatory functions in regards to biodiversity are mandated under section 31 of the Resource Management Amendment Act 2003, and encompassed in the *Waitakere City District Plan*. Waitakere City Council is also land owner with responsibility for management of a number of reserves under the Reserves Act 1977.

The Council also has a strategic leadership role, as an eco city and partner in the international Local Action for Biodiversity (LAB) project, to take a proactive role in biodiversity management and to inspire and support the community to follow that lead. Under the LAB project, the Council has produced its *Biodiversity Report* that provides a current state of Waitakere's biodiversity, identifies the Council's role and describes the level of biodiversity management effort to date.



CURRENT MECHANISMS

Legislation

- District Plan – objectives, policies and rules relating to managing bush, streams, coastal margins and habitats.
- Waitakere Ranges Heritage Area Act 2008 – regulatory and non-regulatory methods for protecting the landscape, biodiversity and heritage values of the Waitakere Ranges and foothills.

Direct Action

- Parks pest management, ecosourcing and restoration programmes.
- Green Network Community Assistance programmes.
- Project Twin Streams.

- The many volunteer groups that care for their local environment.

Leadership

- Local Action for Biodiversity membership and programme commitments.
- Draft Park and Open Space Strategy – objectives, policies, priorities and actions to address biodiversity protection and enhancement on public land and private land.





ANALYSIS TABLE

Goal	Strengths	Weaknesses	Threats	Opportunities
Establish the state of Waitakere's biodiversity	Existing staff skills Level of interest and information available on the Waitakere Ranges	Lack of good data on the area of Waitakere outside the Waitakere Ranges	Inaccessibility of much of the area of the Waitakere Ranges for pest management	Information sharing with volunteer groups Partnerships with Universities and Crown Research Institutes
Provide for maintenance and long-term viability of the City's biodiversity	Supportive legislation -Waitakere Ranges Heritage Area Act -District Plan Natural environment of the Waitakere Ranges	Inadequate evaluation of restoration projects	Urban development Loss of habitat Plant and animal pests Climate change	Co-ordination of biodiversity effort by all players
Enable re-establishment of plants and animals lost	Ark in the Park capability Department of Conservation support Proximity of island sanctuaries such as Tiritiri Matangi and Motuihe	Limited resources in terms of availability of species and expertise to undertake transfers	Plant and animal pests Climate change	Partnering with Ark in the Park and Department of Conservation
Enable effective involvement of tangata whenua	Political environment Current relationship with iwi Standing of Te Taumata Runanga	No direct action or iwi management plans	Inaction	Rekindle involvement
Co-ordinate, contribute to and build community capacity	Number and quality of volunteer groups	Lack of funds Fluctuating interest and involvement by individuals	Competing interests	Sources of funding include: Green Network Community Assistance funding Biodiversity Condition and Advice Fund
On-going research and monitoring	There are data on 5-minute bird counts and fresh water fish surveys going back to 1999, and phenology, herpetofauna and invertebrate monitoring since 2004	Consistency of data collection Selection of meaningful data Adequate analysis of data	Monitoring information not informing management practices	Sources of funding include: Sustainable Management Fund Foundation for Research, Science and Technology Refine the use of indicators of ecosystem health



GOAL 2: PROVIDE FOR THE MAINTENANCE AND LONG-TERM VIABILITY OF THE CITY'S INDIGENOUS BIODIVERSITY.

Action	Who can do it	How it might be done	Funding	Initial target	Progress since 2006 Biodiversity Strategy adopted
Identify high priority or high risk sites for conservation	Strategic Planning Parks Planning Conservation groups	PNA Survey information New sightings and field assessments	WEB	On-going	Waitakere Ranges Heritage Area Act enacted in April 2008
Ensure existing biodiversity is taken account of on proposed development sites	Consent Services Strategic Planning	Conditions on consents	WEB	On-going	Wetland restoration and riparian planting of Totara Creek by New Zealand Transport Authority under State Highway 16/18, designation conditions agreed October/November 2008
Continue to identify Ecological Linkages in the <i>Waitakere City District Plan</i> as areas desirable for restoration	Strategic Planning Policy Implementation	Plan Changes	NBR	<i>District Plan</i> review in 2010	
Encourage landowners to take up the Green Network Community Assistance programme	Parks Planning	Secure additional funding in the <i>Long Term Council Community Plan 2009-2019</i>	NBR	Additional funding approved by June 2009	Budget identified in the <i>Long Term Council Community Plan 2006-2016</i>
Provide advice on the <i>Waitakere City District Plan</i> changes to ensure sites are adequately protected and objectives, policies and rules can adequately address biodiversity objectives and challenges	Strategic Planning	Co-ordinate with Policy Implementation on District Plan Changes	NBR	Co-ordinate with District Plan reviews	
When preparing or reviewing reserve management plans ensure that biodiversity is recognised and provided for, and information documented in the plans	Parks Planning Strategic Planning	Surveys Submissions on consultation	WEB	On-going	
Update and implement the <i>Waitakere City Parks Weed Management Strategy</i>	Parks Planning Parks and Open Spaces	Regular review	WEB		<i>Waitakere City Parks Weed Management Strategy</i> and <i>5-year Weed Management Programme</i> adopted February 2007



Work with other parties to co-ordinate plant and animal control work	Parks Planning Parks and Open Spaces	Co-ordinate with ARC, MAF, Conservation groups	WEB	On-going	Started in 2003, Ark in the Park has undertaken predator control in a 2000-hectare area of the Waitakere Ranges
Prepare and implement a pest animal control plan for high conservation areas	Parks Planning Parks and Open Spaces Strategic Planning	Co-ordinate with ARC	STO	Pest management aligns with biodiversity monitoring programme by June 2009	<i>Waitakere City Parks Animal Pest Strategy and Five Year Animal Pest Control Work Programme</i> adopted February 2007
* Determine location of and resources used by long-tailed bats outside the Waitakere Ranges Regional Park in order to protect these resources or provide additional habitat	Strategic Planning	Bat monitoring of known colony locations and identification of flight movements	NBR	Commence bat monitoring in October 2008 Identify bat box locations by March 2009	
Continue and strengthen partnerships with the community through the Green Network Community Assistance programme	Parks Planning	Working with land owners	WEB	On-going	
Strengthen the awareness of biodiversity importance for consideration when processing applications for new developments	Strategic Planning Consent Services	Information leaflets Pre-application meetings	WEB	On-going	
Support and implement the North West Wildlink	Strategic Partnerships Advisor-Environmental Parks Planning	Co-ordinate with ARC, NSCC, RDC	WEB	On-going	Launched in February 2006, Community Forum held in April 2006 Draft Communication Plan, 2008
Implement the protective measures for biodiversity in the Waitakere Ranges Heritage Area Act 2008	ARC Consent Services	Conditions on consents	STO	Development and adoption of Local Area Plans Oratia LAP by December 2009	
Promote and implement eco-sourcing for planting projects	Parks Planning Parks and Open Spaces Consent Services	Inform nurseries Conditions on consents	WEB	On-going	<i>Ecosourcing – Code of Practice and Ethics</i> updated and printed in 2006

* = Key projects for 2009-2019

WEB = Within existing budgets

NBR = New budget required and identified in the draft *Long Term Council Community Plan 2009-2019*

STO = Staff time only



GOAL 3: ENABLE THE RE-ESTABLISHMENT OF PLANTS AND ANIMALS LOST FROM THE CITY.

Action	Who can do it	How it might be done	Funding	Initial target	Progress since 2006 Biodiversity Strategy adopted
Identify and prioritise sites and corridors for restoration	Parks Planning Parks and Open Spaces Strategy	Surveys Contractor feedback Community feedback	STO	On-going	Conceptually identified in the <i>Environment Strategy 2008</i>
Prepare and implement restoration plans for priority sites	Parks Planning Strategic Planning	Specialist ecologist advice and using results of the Threatened Plant Survey and Biodiversity Monitoring programme	NBR	On-going from 2010	
Prepare and implement recovery plans for threatened species.	ARC DoC Strategic Planning	DoC database and Threatened Plant Survey with advice from DoC	NBR	On-going from 2010	
Promote the planting and conservation of threatened plants such as the Huia hebe and <i>Astelia grandis</i>	Parks Planning Consent Services Strategic Planning	Planting on parks Conditions on consents Advice from DoC and Botanical Society	WEB	On-going and according to any Threatened Species management recommendations	Astelia Grandis Reserve established along the Paremuka Stream in 2000 John Sawyer (DoC, Wellington) presented a refreshing talk on conservation of native plants, September 2008
Manage reserve networks to allow for and facilitate their response to long-term environmental changes and future risks (climate change, biosecurity incursions)	Strategic Planning Parks Planning Parks and Open Spaces	Specialist ecological advice	NBR as climate change takes effect	On-going Prepare a Biosecurity Plan by June 2010	
Support the re-introduction of plant and animal species lost to the Waitakere Ranges in safe habitats.	Strategic Planning Parks Planning Parks and Open Spaces	Co-ordinate with ARC, DoC	STO/WEB	On-going	Ark in the Park re-introduced: Whitehead in 2004 North Island robin in 2005 Stitchbird in 2007

* = Key projects for 2009-2019

WEB = Within existing budgets

NBR = New budget required and identified in the draft *Long Term Council Community Plan 2009-2019*

STO = Staff time only



Identify vulnerability status of Waitakere native plant and animal species	Strategic Planning	DoC database, literature research and monitoring results	STO	Check new update of <i>Red Data Book</i> and update records by December 2008 On-going	
* Undertake a feasibility study to determine the viability of creating a predator-free enclosure on Harbourview to encourage fernbirds and other threatened bird species known to inhabit the area	Strategic Planning Parks Planning Parks and Open Spaces	Predator-proof fencing of part of the coastal wetland and pest control	NBR \$160,000 over 3 years plus \$600,000 from external sources for predator-proof fencing	Monitor fernbird use of Orangihina and update records by March 2009 Undertake feasibility study to be complete by March 2010	

GOAL 4: ENABLE THE EFFECTIVE INVOLVEMENT OF TANGATA WHENUA IN THE MANAGEMENT OF BIODIVERSITY AND FULFIL THEIR RESPONSIBILITIES AS KAITIAKI.

Action	Who can do it	How it might be done	Funding	Initial target	Progress since 2006 Biodiversity Strategy adopted
Develop partnerships with Te Kawerau a Maki and Ngati Whatua as nga kaitiaki	Strategic Planning Parks Planning Parks and Open Spaces Ecowater Transport Assets Consent Services	At the regular fortnightly meetings and sharing information on an as needed basis	WEB	On-going	
Include Te Kawerau a Maki and Ngati Whatua values in biodiversity actions and management	Parks Planning Parks and Open Spaces Ecowater Transport Assets Consent Services	Regular meetings and sharing information	WEB		
Facilitate the sustainable gathering of cultural material from council managed sites	Parks Planning Parks and Open Spaces Ecowater Project Twin Streams	Working with cultural groups and Corban Estate groups	STO	On-going	Harakeke (weaving flax) garden established in 2008 adjacent to the Opanuku esplanade Reserve

* = Key projects | WEB = Within existing budgets | NBR = New budget required and identified in the draft *Long Term Council Community Plan 2009-2019* | STO = Staff time only



GOAL 5: CO-ORDINATE, CONTRIBUTE TO AND BUILD COMMUNITY CAPACITY FOR THE MAINTENANCE AND ENHANCEMENT OF INDIGENOUS BIODIVERSITY.

Action	Who can do it	How it might be done	Funding	Initial target	Progress since 2006 Biodiversity Strategy adopted
Strengthen existing arrangements and create new ones to encourage people to participate in supporting biodiversity	Parks Planning Ecowater	Assist membership and funding of conservation groups Green Network Community Assistance Programme Project Twin Streams Local Area Plans	STO		<i>Manawa.org</i> website was set up in 2001 for people and groups working for the environment in the Auckland region
Continue to provide information and encouragement for voluntary initiatives for biodiversity protection	Parks Planning Ecowater	Produce relevant pamphlets Green Network Community Assistance Programme Project Twin Streams Local Area Plans	STO	On-going	
Continue to provide funding for the Green Network Community Assistance Programme of restoration and covenanting of privately owned land	Parks planning	Budget provision Conservation Covenant Programme Heritage Covenants Project Twin Stream covenants	WEB	On-going	
Develop a database of biodiversity conservation effort in Waitakere City for information sharing		Build on the Green Network Community Assistance database Co-ordinate with ARC	STO		
Continue to support education programmes at all levels in the community	Public Affairs Parks Planning	Environmental education and advocacy Green Network Community Assistance Programme	STO	On-going	
* Develop a joint Council/community management plan for Te Henga wetland	Strategic Planning Parks Planning Landowners DoC F&B RDC ARC Fish & Game Waitakere River Care Group	Ecological and geomorphological surveys Consultation Plan development Action planning Cost sharing	NBR \$45,000 over 3 years	Site visit by boat in October 2008 Make contact with all parties by March 2009	Build on the report prepared by NIWA in 2003 and the draft <i>Te Henga Wetland Strategic Direction</i> document



GOAL 6: ON-GOING RESEARCH AND MONITORING.

Action	Who can do it	How it might be done	Funding	Initial target	Progress since 2006 Biodiversity Strategy adopted
Review Biodiversity Monitoring data 1999-2007 and develop a refined programme	Strategic Planning	Determine management practices that could influence key indicator species Identify key sites Preliminary survey of sites for suitability	WEB	Review completed by March 2008 Survey completed by July 2008 Programme established by October 2008	
* Use monitoring information to improve management of sites to enhance breeding success of species such as kereru	Strategic Planning Parks Planning Parks Assets Conservation groups Landowners	Management plans Planting plans Weed management	NBR \$140,000 over 3 years	Identify kereru nesting locations by March 2009 On-going	
Develop relationships with research organisations to contribute to biodiversity knowledge	Strategic Planning Parks Planning Ecowater Project Twin Streams	Keep up to date with research literature Host guest speakers Engage students	STO		
Explore opportunities for community involvement in monitoring and ways of publicising and using results	Parks Planning Ecowater Project Twin Streams Strategic Planning	Project Twin Streams WaiCare Green Network Community Assistance Programme Local Area Plans	WEB	On-going	

* = Key projects for 2009-2019 | WEB = Within existing budgets | NBR = New budget required and identified in the draft *Long Term Council Community Plan 2009-2019* | STO = Staff time only

APPENDIX 1: POLICY AND LEGISLATION

INTERNATIONAL COMMITMENT

The Convention on Biological Diversity was adopted at the Earth Summit in Rio de Janeiro in 1992. This international convention concerns the conservation of biological diversity including the variety and variability of genes, species, populations and ecosystems which provide the foundation for the earth's ecological services.

New Zealand ratified the Convention in 1993, adopting the three main goals:

- The conservation of biological diversity
- The sustainable use of its components, and
- The fair and equitable sharing of the benefits from the use of genetic resources.

Other international initiatives in which New Zealand is involved include the World Heritage Programme (with three sites recognised in New Zealand: Tongariro National Park, South Westland and a group of five Sub Antarctic Islands), and the RAMSAR Convention for the conservation and wise use of wetlands and their resources (with five sites in New Zealand: Farewell Spit, Firth of Thames, Kopuatai Peat Dome, Waituna Lagoon and Whangamarino).

A special interest in Antarctica and the Southern Ocean has led to our being a party to the Convention on the Conservation of Antarctic Marine Living Resources, developed under the Antarctic Treaty.

NATIONAL POLICY AND LEGISLATION

The New Zealand Biodiversity Strategy - Our Chance to Turn the Tide 2000

The Convention on Biological Diversity, ratified by New Zealand in 1993, requires us to prepare national strategies or plans to set national goals to conserve and sustainably use biodiversity.

New Zealand made a commitment to prepare a national strategy to set clear goals for New Zealand's indigenous biodiversity in the *Environment 2010 Strategy* released in 1995⁴. In 1997 a *State of the Environment* report was prepared for New Zealand which identified just how bad things have become for our biodiversity⁵. In 1998, the Government adopted "halt the decline of indigenous biodiversity" as one of its ten Strategic Priorities.

The *New Zealand Biodiversity Strategy* was finally adopted in February 2000, identifying the conservation and sustainable use of New Zealand's biodiversity as a matter of national importance⁶. The *Biodiversity Strategy* aims to halt the decline in our biodiversity and sets out a vision where:

- New Zealanders value and better understand biodiversity;
- We all work together to protect, sustain and restore our biodiversity, and enjoy and share in its benefits, as a foundation of a sustainable economy and society;
- Iwi and hapu as kaitiaki are active partners in managing biodiversity;
- The full range of New Zealand's indigenous ecosystems and species thrive from the mountains to the ocean depths; and
- The genetic resources of our important introduced species are secure and in turn support our indigenous biodiversity.

⁴ *Environment 2010 Strategy – A Statement of the Government's Strategy on the Environment*, 1995, Ministry for the Environment.

⁵ *The State of New Zealand's Environment*, 1997, Ministry for the Environment.

⁶ *The New Zealand Biodiversity Strategy: Our Chance to Turn the Tide, 2000*, Department of Conservation and Ministry for the Environment.



The Strategy includes four main goals for achieving this:

Goal One: Community and individual action, responsibility and benefits

Enhance community and individual understanding about biodiversity, and inform, motivate and support widespread and co-ordinated community action to conserve and sustainably use biodiversity; and

Enable communities and individuals to equitably share responsibility for, and benefit from, conserving and sustainably using New Zealand's biodiversity, including the benefits from the use of indigenous genetic resources.

Goal Two Treaty of Waitangi

Actively protect iwi and hapu interests in indigenous biodiversity, and build and strengthen partnerships between government agencies and iwi and hapu in conserving and sustainably using indigenous biodiversity.

Goal Three: Halt the decline in New Zealand's indigenous biodiversity

Maintain and restore a full range of remaining natural habitats and ecosystems to a healthy functioning state, enhance critically scarce habitats, and sustain the more modified ecosystems in production and urban environments; and do what else is necessary to maintain and restore viable populations of all indigenous species across their natural range and maintain their genetic diversity.

Goal Four: Genetic resources of introduced species

Maintain the genetic resources of introduced species that are most important for economic, biological and cultural reasons by conserving their genetic diversity.

It has been recognised that one of the keys to achieving these goals is to address how the management of private land affects indigenous biodiversity. The Ministerial Advisory Committee on Biodiversity noted that achieving goals for biodiversity will not result from forced compliance or from increased public funding alone, and that it will take combined resources and co-operation from all involved to halt the decline in New Zealand's biodiversity⁷.

A second state of the environment report: Environment New Zealand was released in 2007. This report not only updates the information on New Zealand's natural resources but also summarises for decision-makers the most urgent pressures on, and challenges for, our environment.

⁷ Biowhat 2000, Ministry for the Environment.



Resource Management Act 1991

Section 6(c) of the Resource Management Act (RMA) identifies the protection of areas of significant indigenous vegetation and significant habitats of indigenous fauna as matters of national importance, and section 7(d) requires particular regard to be had to the intrinsic values of ecosystems.

The Waitakere City *District Plan* protects these areas of significant vegetation and habitats identified in Waitakere City through the *Protected Natural Area* survey programme. However, this itself does not necessarily ensure protection or maintenance of biodiversity.

Section 6(e) identifies as a matter of national importance the relationship of Maori and their culture and traditions with their ancestral lands, water, sites, waahi tapu, and other taonga. Maori hold a holistic view of the environment where people are part of nature and biodiversity. As the people are intrinsically linked with the natural world, the mana of the iwi, hapu or whanau is directly related to the wellbeing of the natural resources within their rohe, or region. Understanding and valuing the Maori worldview is an essential step towards a bicultural approach to biodiversity management⁸.

Amendments to the RMA in 2003 have added a definition of indigenous biodiversity, and amended Sections 30 and 31 to clarify that managing biodiversity is an explicit function of both regional councils and territorial authorities. They must provide for the maintenance of biodiversity in regional and district plans.

Local Government Act 2002

This Act provides for local authorities to play a broad role in promoting the social, economic, environmental, and cultural wellbeing of their communities, taking a sustainable development approach. Maintaining biodiversity is one of the critical measures of sustainability. Although there are many perspectives on sustainable development, there can be little argument that a world where species and ecosystems are being lost is not sustainable by any measure. The state of biodiversity is therefore a core determinant of the success of local governance as defined by the Local Government Act.

Maintaining biodiversity obviously has environmental benefits but it also has:

- Economic benefits in the form of ecosystem services (water quality, soil fertility, pollination etc.) 'tourism opportunities' and potential commercial and medical uses.
- Social benefits in the form of national identity, recreational and educational benefits.
- Cultural benefits in the form of being able to recognise and continue Maori traditions, knowledge and customary uses.

Waitakere Ranges Heritage Area Act 2008

This Act establishes the Waitakere Ranges Heritage Area, states the national significance of the Heritage Area and establishes a set of objectives for the Heritage Area and its heritage features to ensure long-term protection.

⁸ Te Kawerau A Maki Resource Management Statement, 1995.



Biosecurity Act 1993

Regional *Pest Management Strategies* are prepared under the provisions of the Biosecurity Act.

Biosecurity Strategy for New Zealand 2003

Protect New Zealand, the Biosecurity Strategy has a three-pronged focus to protect New Zealand's economy, environment and human health. The new focus is very much on protecting New Zealand's indigenous biodiversity.

REGIONAL POLICY AND LEGISLATION

Auckland Regional Policy Statement (ARPS)

The ARPS does not specifically address biodiversity but only contains policies and methods for protecting and enhancing natural heritage where it is degraded or potentially affected by development.

Objectives relating to natural heritage in the Auckland Regional Policy Statement are as follows:

(6.3) 2. To preserve or protect a diverse and representative range of the Auckland Region's heritage resources.

(6.3) 3. To protect and restore ecosystems and other heritage resources, whose heritage value and/or viability is threatened.

There are policies for establishing the significance of natural heritage, providing for kaitiakitanga, controlling the effects of land use on natural heritage, and use and access to natural heritage. Policies relating to restoration of natural heritage state:

Significant ecosystems that have been damaged or depleted should be protected and restored to the stage where their continued viability is no longer under threat.

The ARPS identifies areas of significance in Waitakere City. In particular:

- The Te Henga-Wainamu swamplands, lakes dunes and native forest provide a complex of habitats with rich and diverse flora and fauna not found elsewhere in the Region. The area is considered to be of national and international importance.

The *Auckland Regional Policy Statement* is currently under review with a draft for consultation anticipated in early 2009.

Auckland Regional Pest Management Strategy 2008–2013

As well as providing a framework and priority ranking for the Council's plant and animal pest management, the Waitakere Ranges are identified as one of the few parts of the Auckland Region in which active management of a number of weed species is required. Active control of possums is also carried out by the Auckland Regional Council.



Auckland Regional Parks Management Plan

The Waitakere Ranges Regional Park encompasses more than 16,000 hectares and is managed by the Auckland Regional Council under the *Auckland Regional Parks Management Plan*. This plan contains general objectives and policies for habitat and ecosystem protection, restoration and enhancement, indigenous species protection and for species reintroduction for regional parks. The plan indicates that specific species management programmes will be developed, among other species, for:

- Waitakere Rock Hebe (*Hebe bishopiana*)
- Wood rose (*Dactylanthus taylorii*)
- Hochstetter's frog
- Long-tailed bat



LOCAL POLICY AND LEGISLATION

Waitakere City District Plan

Botanical surveys have been completed for the Waitakere Ecological District and for Waitakere part of the Tamaki and Rodney Ecological Districts (PNA surveys). The outstanding and significant vegetation identified from these surveys has been mapped and protected under the *Waitakere City District Plan*.

The *Waitakere City District Plan's* Objective for biodiversity is:

Objective 2. To protect the City's native vegetation and fauna habitat, including protecting:

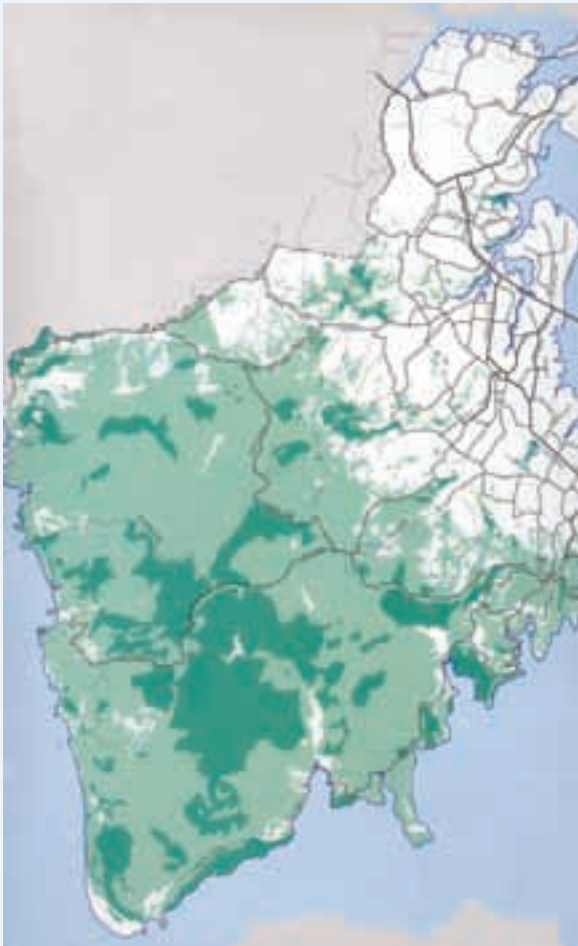
- The quality and resilience of the resource.
- The variety and range of species and their contribution to the biodiversity of the City
- Their ecological integrity;
- Their healthiness as a potential source of harvest for cultural purposes.

Rules in the *The Waitakere City District Plan* regulate vegetation clear-ance, earthworking, natural area rules and riparian protection. The *Plan* further advocates for restoration of areas and:

Objective 5. To protect processes of natural regeneration within the City, and promote and maintain links between areas of significant and outstanding native vegetation and fauna habitat, so that their resilience is protected and enhanced.



Outstanding and significant areas of vegetation



- Significant Vegetation
- Outstanding Vegetation

Long Term Council Community Plan 2006–2016

The Council's *Long Term Council Community Plan*, prepared under Section 93, identifies sustainable development as one of the City's five priorities, including through supporting ecosystem capacity and respecting environmental limits. A key indicator of sustainability is the maintenance of local biodiversity. The concept of sustainability is also supported by the Community Outcomes sought: Sustainable Environment and Environmental Protection. The Council's nine strategic platforms include the Green Network, which is about caring for natural areas.

The LTCCP targets the Waitakere Ranges for a higher level of protection, in particular, through managing weeds and pests, ensuring ecosystems are not compromised by urban sprawl or visitor pressure, and re-establishing corridors to link the Ranges to the sea. The LCCP includes funding to support this programme. Delivery is through the Green Network strategic platform.

Waitakere City Strategic Direction:

- **Sustainable Development Priority**

Maintaining native biodiversity is a cornerstone to sustainability.

- **Green Network Strategic Platform**

The 2020 vision for the Green Network is that the Waitakere Ranges will be permanently protected. There will be a network of bush and trees from the Ranges, through town centres and suburbs, to the coasts, bringing the natural world into people's everyday lives and filling the streams and forests with life. This platform is about caring for natural areas. The City's parks, bush and streams form a green network

that provides homes and highways for wildlife and recreational areas for people. It also assists with managing and filtering stormwater. Protection and enhancement is sought on both public and private land, community involvement is encouraged, as is the protection of landscapes, native plants, wildlife and ecosystems.

This strategic platform is incorporated into the *Waitakere City District Plan*, and so has a regulatory and non-regulatory underpinning.

- **LTCCP Community Outcomes**

Relevant Community Outcomes include the Green Network, Sustainable Development reflecting the Council's strategic platform and priority, and Environmental Protection or Kaitiakitanga.

Environment Strategy

The Environment Strategy adopted in December 2008, sets the strategic direction for protecting and managing the Green Network.

Waitakere City Biodiversity Strategy and Action Plan 2006

This was the first biodiversity strategy and action plan prepared for Waitakere and has now been updated with the *Waitakere City Biodiversity Report 2007* and the *Local Biodiversity Action Plan 2008* (this document).

Waitakere City Biodiversity Report 2007

This report provides a snapshot of Waitakere's biodiversity and current biodiversity management undertaken by lead agencies. The report was prepared as part of the Local Action for Biodiversity Project under ICLEI.

Waitakere City Parks Weed Management Strategy 2006

The goal of the Weed Management Strategy is for the protection of the quality, resilience, biodiversity and ecological integrity of Waitakere City's natural habitat from the impacts of environmental weeds. The strategy contains criteria for prioritising weed management programmes as well as best practice guidelines. The 2006 review provides a new five-year prioritised work programme.

Waitakere City Parks Animal Pest Strategy 2006

This strategy provides the five-year work programme for animal pest management in reserves.



Waitakere City Council joined Local Governments for Sustainability (ICLEI's) Local Action for Biodiversity (LAB) project as one of 21 pioneer cities world-wide. LAB is a unique global urban biodiversity programme that results in on-the-ground biodiversity management by local government; demonstrating the relevance of local action to biodiversity management,

As a LAB participant, each city focuses on local action and delivery according to a guided five-step process, from planning through to implementation. Facilitated by ICLEI's LAB Team, each city delivers the following project targets:

1. Production of a biodiversity report documenting the City's biodiversity and its management.
2. Signing of the Durban Commitment on biodiversity, committing to biodiversity protection at a political level.
3. Developing a long-term local biodiversity strategy and accompanying action plans.
4. Committing to implement the local biodiversity strategy and action plans.
5. Implementing five new biodiversity initiatives within the three-year time frame.

Waitakere was one of the first three cities alongside Durban, South Africa and King County, USA to produce their Biodiversity Report. The City, with the other 20 LAB cities, signed the Durban Commitment at an international workshop in Durban, South Africa in September 2008. Now with the adoption of this Local Biodiversity Action Plan in conjunction with the Biodiversity Strategy adopted in June 2006, the Council has completed the first four LAB steps.



The Durban Commitment Local Governments for Biodiversity



The Durban Commitment: Local Governments for Biodiversity was developed, founded and signed by 21 Local Action for Biodiversity Local Governments:

- Barcelona City Council (Spain)
- City of Amsterdam (Netherlands)
- City of Bonn (Germany)
- City of Cape Town (South Africa)
- City of Curitiba (Brazil)
- City of Edmonton (Canada)
- City of Johannesburg (South Africa)
- City of Joondalup (Australia)
- City of Nagoya (Japan)
- City of Tilburg (Netherlands)
- City of Zagreb (Croatia)
- eThekweni Municipality (South Africa)
- Ekurhuleni Metropolitan Municipality (South Africa)
- Île de France (France)
- King County (U.S.A)
- Leicester City Council (England)
- Liverpool City Council (Australia)
- Municipality of Walvis Bay (Namibia)
- São Paulo City (Brazil)
- Seoul Metropolitan Government (South Korea)
- Waitakere City Council (New Zealand)

as a commitment and model by local government, for local government and the communities they serve, to protect and enhance biodiversity at the local level.

1. By signing this Commitment, joins these leading local governments from across the world as a partner and we acknowledge accountability and responsibility for the health and well-being of our communities through protecting, sustainably utilising and managing biodiversity and recognising its role as the foundation of our existence.

This Commitment recognises that biodiversity is the variety of life on earth on which human well-being is dependent and that biodiversity provides ecosystem services that underpin all of our community's needs. Furthermore, it recognises that the value of biodiversity is multi-faceted - including ecological, economic, tourism, recreational, environmental, heritage, stewardship, spiritual, intrinsic, medicinal, nutritional, health, educational, scientific, cultural and social dimensions.

2. Through signing this Commitment we acknowledge that:

- 2.1 Biodiversity is increasingly under pressure with unprecedented rates of loss due to human activities including the over-consumption of natural resources;
- 2.2 increasing global trends towards urbanisation are placing increased direct pressure on biodiversity at both the local area level and globally through increased resource consumption and ecological footprints;
- 2.3 The impacts of climate change on biodiversity pattern and process will be significant and therefore we need to build appropriate programmes to address, mitigate and adapt to these changes;
- 2.4 Future sustainable development and human well-being are dependent on our ability to meet the biodiversity challenges we face;



- 2.5 Ecosystem services can play an important role in poverty alleviation and as a result the consequences of biodiversity loss and ecosystem disruption are harshest for the poor;
- 2.6 It is our collective responsibility to reverse the current trends of biodiversity loss; and
- 2.7 Local government, which works most closely with communities and biodiversity, has a critical role and responsibility (globally, nationally and locally) to ensure that biodiversity is conserved, protected, restored and sustainably used for the benefit of current and future generations.

3. By signing this Commitment we commit to promoting, increasing and enhancing biodiversity within our administrative area and recognise that our ecological footprint extends beyond our administrative area: we will therefore integrate biodiversity considerations into all aspects of our governance and development planning.

4. By signing this Commitment we declare our intention to:

- 4.1 Regularly publish *biodiversity reports* on the state of biodiversity within our administrative area and our progress in protecting biodiversity, which will stand as public record;
- 4.2 Contribute towards the formulation of globally relevant local authority biodiversity good practice guidelines;
- 4.3 Develop and implement a long-term local *biodiversity strategy* for our administrative area and governance practices, which will address, for example:
 - 4.3.1 The consideration of biodiversity in all aspects of local planning including, amongst other things: land-use planning, mobility planning, economic development planning, and conservation planning;
 - 4.3.2 The management of natural areas and green spaces, including the restoration and rehabilitation of degraded natural areas and the control of invasive species;
 - 4.3.3 The provision of municipal services, including fresh and waste water treatment, energy generation and housing;
 - 4.3.4 Public procurement strategies, including purchasing of eco-certified goods and services and the ban of hazardous products;
 - 4.3.5 Social development including poverty alleviation and job creation;
 - 4.3.6 Awareness-raising of the value of biodiversity and the need for its protection in all sectors of society;
 - 4.3.7 Stakeholder participation in all relevant aspects of local biodiversity governance; and
 - 4.3.8 The inclusion of biodiversity in city partnerships and cooperation projects with public and private partners.
- 4.4 Remain committed to ongoing implementation of that long-term local *biodiversity strategy* through the enactment of guiding policies;
- 4.5 Actively engage with, and ensure participation and involvement of all stakeholders; and

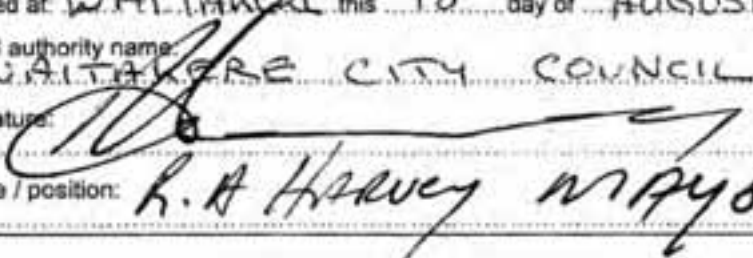


4.6 Actively participate in the ICLEI Local Action for Biodiversity Initiative as the global network of local governments for biodiversity.

5. As a local government, we support efforts to promote greater recognition by national governments and international bodies of the critical role local government plays in protecting biodiversity at the local and global level. We recognise our own role within the global environment and by signing this Commitment we entrench our dedication to global biodiversity. We recognise the need to contribute actively to the implementation of the objectives of the United Nations Convention on Biological Diversity and the objectives of the 2010 biodiversity target, adopted at the 2002 World Summit on Sustainable Development and a part of the Millennium Development Goals, aimed at reducing the rate of loss of biodiversity on our planet. We entrench our dedication to global biodiversity by becoming a formal partner to Countdown 2010 (if not already a partner) and by signing the Countdown 2010 Declaration, thereby committing to its targets, goals, objectives and principles.



Please fill in the details below to sign the Durban Commitment:

Signed at: WAITAKERE this 18 day of AUGUST 2008
 Local authority name: WAITAKERE CITY COUNCIL
 Signature: 
 Name / position: R. A. Harvey Mayor.



Local Action for Biodiversity Waitakere City Council
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LOCAL ACTION FOR BIODIVERSITY
PARTNERS

