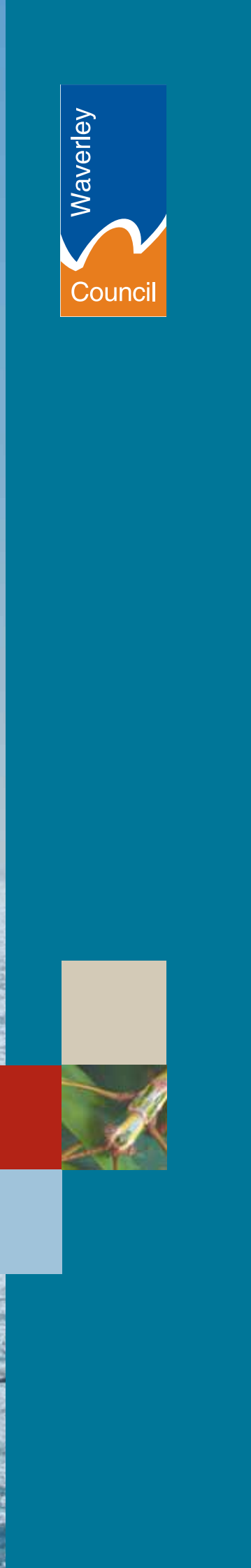


State of the Environment REPORT 2010





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Introduction

This is the fourteenth consecutive State of the Environment Report (SoE) prepared by Waverley Council for the Waverley Local Government Area. The report covers the period from 1 July 2009 to 30 June 2010.

This report is a supplementary document prepared in accordance with the *Local Government Act 1993* and supports the comprehensive *State of the Environment Report 2005-09*.

The *State of the Environment Report 2010* is an update of the eight environmental sectors: land, aquatic systems, biodiversity, air, waste and resource recovery, noise, Aboriginal and non-Aboriginal Heritage, and social environment. For more detailed information, please consult the comprehensive *State of the Environment Report 2005-09*.

WHAT IS A STATE OF THE ENVIRONMENT REPORT?

A State of the Environment (SoE) report summarises the physical and social attributes of the Waverley environment and identifies the human impacts on the local environment for the financial year. It also provides information on all of the activities conducted by Council and the community to protect and restore the Waverley environment, and is essentially a mechanism for reporting on progress towards environmental sustainability.

Comparing SoE reports from year to year enables Council to see improvements and identify areas that need attention in all sectors of the local environment. This then assists Council to further protect the health and diversity of the environment for the benefit of current and future generations.

TOWARD SUSTAINABILITY

In partnership with the local community, Council has developed 31 sustainability indicators that best represent how the community wants progress toward environmental sustainability measured. By comparing progress in these key areas from year to year, we can monitor Council's movement toward achieving corporate sustainability goals.

COMMUNITY VALUES

Community consultation is an integral component of SoE reporting. To assist with the development of the SoE report, Council conducted a telephone survey of Waverley residents to explore knowledge, attitudes, skills and behaviours with respect to environmental protection. These findings will not only assist Council with reporting requirements but will also help in the development of suitably targeted environmental programs for local residents.

MAJOR ENVIRONMENTAL ISSUES IDENTIFIED BY WAVERLEY RESIDENTS:

- Beach pollution
- Climate Change
- Littering
- Rubbish dumping
- Motor vehicle emissions
- Bushland protection
- Increasing urban development
- Recycling
- Sewage discharge
- Stormwater pollution

Key to Sustainability Indicators	
↑	Positive movement toward sustainability
↓	Negative movement toward sustainability
↔	No progress toward sustainability
ND	Not determined



Air

The Waverley area is a densely populated urban environment. Proximity to the city makes the area particularly vulnerable to the effects of airborne pollutants.

It is estimated that around 1.2 million tonnes of pollutants enter Sydney's air each year. Motor vehicles are responsible for 75% of these pollutants, with the remainder being attributed to industrial and domestic sources. Research has shown that due to Sydney's coastal location, coastal wind patterns transport air pollutants out to sea overnight and in the early morning. Afternoon sea breezes then transport these pollutants back onto land and concentrate it in the Sydney Basin.

Improving the local air quality has been a commitment of Council since the early 1990s when Council adopted the Waverley Local Air Quality Improvement Plan (LAQIP). In 2002, Council adopted the Waverley Greenhouse Gas Reduction Strategy to set future direction for air quality management and pollution reduction in Waverley. In addition to this is Council's commitment to reducing both community and Council greenhouse gas emissions (GHG) as outlined in the *Environmental Action Plan 2* (EAP2) which aims to reduce GHG emission levels by 30% by 2020 (based on 2003-04 GHG emission levels).

Since the early 1990s, Council has continued to implement innovative air quality improvement programs such as trialling Compressed Natural Gas (CNG) in heavy and light fleet vehicles, incorporating hybrid electric cars into its corporate fleet, developing a local action

plan to reduce greenhouse gas emissions, and placing a prohibition on the use of wood fire heaters throughout the LGA. Waverley has also been one of the few councils in Australia to complete the five milestones of the International Council for Local Environmental Initiatives (ICLEI) Cities for Climate Protection (CCP) program aimed at reducing corporate and community greenhouse gas emissions, and has since then progressed onto the CCP Plus Program.

In addition, Waverley Council in partnership with Woollahra and Randwick City councils launched a 'Go Solar' Community program this year. Supported by the Environmental Trust's 3-Council Ecological Footprint Grant, the program focuses on promoting the uptake of solar photovoltaic (PV) systems and solar hot water systems in residential homes and apartments in the three local government areas, with the aim of reducing GHG emissions to meet the EAP2 targets and reduce impacts on the environment as a whole.



SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement Towards Sustainability
Greenhouse gas emissions (tonnes of CO ₂) from Council activities	6,450	6,414	6,334	6,751	6,581	↓
Greenhouse gas emissions (tonnes of CO ₂) from Community Waverley LGA activities)	548,368	558,932	565,050	547,100	549,100	↓
Residential Buildings	203,277	204,420	203,317	200,500	199,500	↑
Residential Waste	17,392	17,390	17,388	18,600	18,600	↓
Residential Transport	88,937	88,928	88,919	88,900	89,100	↓
Non-Residential Buildings	205,191	213,243	219,194	206,700	208,800	↓
Non Residential Waste	9,694	10,093	10,491	7,100	7,300	↑
Employee Transport	23,877	24,859	25,840	25,300	25,800	↓
No. of vehicle registrations in the LGA	32,128	32,756	32,800	34,409	ND	ND
Number of vehicle registrations per 100 residents	46.72	47.95	49.01	50.16	ND	ND
Resident trips made on public transport (patronage per average weekday)						
Bus	31,042	28,333	ND	28,105	ND	ND
Train	16,811	13,907	ND	14,685	ND	ND
Ferry	3,124	3,502	ND	1,922	ND	ND
Light Rail	ND	172	ND	206	ND	ND
Resident trips made on public transport (patronage per average weekend)						
Bus	17,157	14,019	ND	11,775	ND	ND
Train	4,713	2,281	ND	4,199	ND	ND
Ferry	1,826	1,560	ND	ND	ND	ND
Light Rail	ND	0	ND	ND	ND	ND



PRESSURES ON THE AIR

- Motor vehicle emissions
- Commercial business operations
- Wood fire heaters
- Construction and demolition
- Pollution
- Global warming
- Bondi Sewage Treatment Plant
- Increasing cost of public transport

RESPONSES TO THESE PRESSURES

The EAP2 contains ambitious targets and will help us develop strategic actions and programs aimed at reaching goals over the short and long term. Relevant activities undertaken to date include:

- discussions with major stakeholders in Bondi Junction about the opportunity for cogeneration implementation in the commercial centre
- investigating the opportunity for energy efficient lighting trials in the public domain.

Waverley residents will soon have access to 21 car-share vehicles located in Bondi, Bondi Junction, Bronte and Tamarama. To accommodate these vehicles, Council will be installing 21 single-spaced car-share parking zones across these areas. There are a range of benefits to the Waverley community by increasing the availability of car-share vehicles, including:

- encouraging residents to sell their car, or not buy a second vehicle
- reducing noise and air pollution

- reducing traffic congestion and the number of cars parked on the streets
- reducing the number of older, privately owned vehicles in Waverley and increasing the use of newer, more fuel-efficient car-share vehicles
- providing a convenient service for alternative transport users - supplementing walking, public transport and cycling facilities. The current car-share vehicles parked in Syd Einfeld Drive car park will also continue to operate at this location.

A comprehensive assessment of travel data was collected as part of the State of the Environment reporting process in October 2009. In addition, Council participated in the Super Tuesday Bike Count, coordinated by Bicycle Victoria, to undertake an assessment of major bike routes and estimate bike users.

In the 2009-10 financial year, over 20 community education events were run by Council to encourage community participation in the Environment program. These included:

- Solar Bondi launch
- Walk to School Day
- Walk to Work Day
- Bike Week
- National Ride to School Day
- Sustainable House Day.

The Environmental Levy has helped fund a range of exciting projects, workshops and programs over the past decade. Some of the Levy's biggest achievements include:

- implementation of the Greenwave Business program, helping businesses reduce operational costs through energy and water efficiency
- installation of solar panel systems on the Bondi Pavilion building, Bondi Surf Bathers' Life Saving Club and Tamarama Surf Life Saving Club.

Just in time for the long days of summer, two solar power systems have been installed at Bondi Beach. Bondi Pavilion and the Bondi Surf Bathers' Life Saving Club scored solar panel systems as part of a Council project in partnership with Green Solar Group. A 2kW system was put on each of the north facing roofs of the heritage listed iconic buildings. Combined, over their 25-year lifetime these two systems will:

- generate over 160,000 kWh of electricity from the sun
- save close to \$70,000 on energy bills
- help reduce greenhouse gas emissions by 160 tonnes of carbon dioxide (equivalent to taking 35 cars off the road for a year)
- educate the community on the benefits of going solar.

Tamarama Surf Lifesaving Club has installed solar panels on their roof to generate clean green electricity. The 2kW system will reduce the club's electricity bills by at least \$450 each year and prevent the emission of approximately three tonnes of greenhouse gasses annually. The project aims to encourage the uptake of solar technology in the community, with the system to be used as an environmental demonstration and educational tool.



Hundreds of parents and carers set a good example by walking with their children on Walk Safely to School Day in May. Bondi Beach Public, Bondi Public, Clovelly Public, Montessori East and Waverley Public schools all actively participated in this annual event, encouraging their students and parents to walk part or all of the way to school. Council provided organic fruit for breakfast to participating parents and children as they arrived at school. Council's stay safe mascot Bee Safe Buzzy Bee went along to local schools to promote safe walking and road crossing and was a hit with the children. Walking Safely to School Day is a way to promote healthy habits for our younger residents. Not only is walking good exercise, it also helps protect our environment – with fewer cars on the road and less traffic congestion. Less car usage means less greenhouse gas emissions and less air pollution.

Cycling is growing in popularity in Waverley with more and more residents turning to pedal power. Council will soon extend its bike route thanks to a grant from the Federal Government's Jobs Fund National Bike Plan Project. Bike routes into North Bondi will be extended and Council will complete the route between Bondi Junction and Bronte Beach. Council also offers bike maintenance and cycling skills courses regularly throughout the year.

Council introduced a bike fleet for use by staff members for work purposes. Two hybrid bicycles and an electric assist bicycle can replace cars for short journeys.

Council has a range of initiatives planned to reach its targets as outlined in the Environmental Action Plan 2. The initiatives are dependent upon Council finding additional income when the Environmental Levy ceases in July 2011. Here are some of the initiatives planned:

- Invest \$477,000 in energy efficiency improvements for Council buildings and community facilities, saving \$1.65 million and reducing emissions by 13% over 10 years.
- Invest \$290,000 in energy efficient street lighting, reducing emissions by 11% and saving \$498,000 over 10 years.
- Invest in cogeneration for the Bondi Junction commercial centre giving businesses and residents access to greener and cheaper electricity.
- Invest over \$3 million over 10 years to help residents and businesses reduce energy and water use and install discounted energy efficient technologies including solar hot water systems, rainwater tanks and solar photovoltaic systems.
- Invest \$2.7 million over 10 years to improve and expand the bike network in Waverley and another \$400,000 creating secure bike parking.

Council continues to participate in Sydney Coastal Council Group's Climate Change Adaptation Project. This Australian Greenhouse Office (AGO) funded regional project, in collaboration with CSIRO and the University of the Sunshine Coast, aims to research regional approaches to managing climate



vulnerability in the Sydney region. Researchers work with councils to identify key vulnerabilities and their capacity to adapt in order to manage these climatic risks at a regional scale.

Waverley was the first Council in Australia to purchase Green Power for corporate energy uses. Council continues to purchase 25% of its energy requirements from alternative green energy sources (including solar, wind, hydro and landfill gas) in five of its highest energy using corporate buildings. These buildings include Council Chambers, the Library, the Depot, Eastgate Car Park and Bondi Pavilion. This equates to a reduction of 994.91 tonnes/ year through green power purchase.

Council continues to comply with its Environmental Management System (EMS) for Council fleet vehicles. The EMS ensures the best possible environmental and economic practices are implemented with respect to the operation, maintenance and purchase of Council's vehicle fleet.

Council has made changes to payments of leaseback vehicles. The leaseback payment amount now reflects consumption figures for the vehicle. The new payment structure is a three-tiered system, with payments for smaller vehicles less than for the larger two-litre vehicles.

Six vehicles were monitored by the RTA and a comprehensive report was completed and given to Waverley Council's Director, Public Works and Services. A positive result was achieved through Council's policy of reducing vehicles' engine capacity when possible.

Following trials of hybrid fleet vehicles, Council now owns four Toyota Prius vehicles.

Council continues to operate 16 Hino trucks in the Resource Recovery collection fleet. The Hino trucks have carbon monoxide exhaust reductions of 53% compared to the old trucks.

In partnership with the Australian Greenhouse Office, Council undertook trials of compressed natural gas trucks (CNG) as part of the vehicle fleet. Subsequent emission testing has revealed a 57% reduction in hydrocarbons, a 49% reduction in nitrous oxides and a 93% reduction in fine particulate matter. Council currently has four CNG trucks in its fleet.

Council undertook several initiatives to reduce energy consumption at its facilities. Council participated in Earth Hour by switching off Council's non-essential building, park and beach lights. A lighting upgrade of Council's facilities was also undertaken, as was a sustainability review of Bondi Pavilion.

In a further effort to reduce energy consumption, Council's parking meters have been refitted to operate on solar power.

The Building Sustainability Index (BASIX) was introduced in 2006 by the NSW Government. This State Environment Planning Policy ensures homes are designed to use less potable water and be responsible for fewer greenhouse gas emissions by setting energy and water reduction targets for houses and units. BASIX now applies to all new residential dwellings, including

single dwellings, villas, townhouses and low-rise, mid-rise and high-rise developments in NSW. It also covers all residential alterations and additions throughout NSW.

Council continues to deliver its Sustainable Schools Challenge program that assists local schools to reduce their overall natural resource consumption. Energy reduction is a key focus of the program.

Waverley is working with Randwick and Woollahra councils to help reduce the regional eco-footprint of the local communities. An eco-footprint is the sum total of the resources an entity uses, such as accommodation, transport and food. The eco-footprint of Sydney's eastern suburbs is much higher than the state's average. The NSW Government's Environmental Trust is funding the 3-Council Ecological Footprint Program to help residents live a little lighter. Examples of programs include:

- Free Home Energy Assessments: Energy experts have now visited nearly 800 homes and businesses across the Eastern Suburbs to advise on ways to save money and the environment by using less energy. The assessment links householders to the current government rebates.
- 'Go Solar' Community Solar Program, promoting the uptake of solar PV systems and solar hot water within residential homes and apartments.

Aquatic Systems

Urban stormwater is the untreated run-off from hard surfaces such as roofs, footpaths, and roads. Stormwater flow is intercepted by engineered stormwater management systems that have replaced natural watercourses and streams over time. These management systems channel excess water away from urban areas to natural aquatic environments as a flood mitigation measure, often carrying pollutants such as nitrogen, phosphorus, metals (e.g. copper, lead, zinc), and hydrocarbons. Other material such as faecal bacteria and grease can also be washed off surfaces into stormwater, all of which have adverse impacts upon the health of aquatic ecosystems.

The Waverley LGA consists of nine stormwater sub-catchments that drain into three major receiving water bodies: Sydney Harbour,

the Pacific Ocean and Lachlan Swamps in Centennial Parklands. Therefore, both the quantity and quality of stormwater generated within the catchment can have regional implications.

Human impacts within the catchment have increased the amount of litter, nutrients, bacteria, heavy metals, and sediment being discharged into our receiving water bodies, thus degrading the quality of our local aquatic systems. In response to these pressures, Council continues to develop integrated water management programs that focus both on reducing the quantity of stormwater and improving water quality throughout the catchment. Integrated water management is one of Council's key corporate goals.

PRESSURES ON OUR AQUATIC SYSTEM

Ongoing environmental impacts from business and community stormwater pollution:

- Vaucluse/Diamond Bay Diversion Scheme: untreated sewage is continuously discharged into the ocean from three cliff face outfalls, one of which is located within the Waverley LGA at Diamond Bay.
- Pollution: 140 environmental pollution incidents were recorded in the reporting period.
- High quantities and velocities of stormwater caused by high density development and reduced pervious surfaces.
- Loss of biodiversity.

SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement toward sustainability
Total water consumption in Waverley (kL): Community	6,308,303	6,204,477	5,908,795	6,069,321	6,349,045	↓
Total water consumption in Waverley (kl): Council	80, 846	93,9355	86,089	83,468	127,175	↓
Average Compliance with EPA Beachwatch: Faecal Coliform	98%	100%	100%	100%.	N/A	N/A
E Average compliance with EPA Beachwatch: Enterococci	93%	94%	95%	>97%	N/D	N/D
Number of pollution control devices (including trash racks and pit baskets)	96	96	96	96	96	↔

Aquatic Systems

RESPONSES TO THESE PRESSURES

EAP2 contains ambitious targets and will help with the development of strategic actions and programs aimed at reaching goals over the short and long term. Relevant activities undertaken to date include:

- Partnering with Sydney Water to analyse irrigation efficiency in major parks in the LGA and implementing actions and strategies to improve water efficiency and playing field and park surface quality.
- Completion of a feasibility assessment for stormwater harvesting in Bondi Park. Outcomes of the assessment are promising, and detailed system designs and plans will be developed in early 2011.
- Commencement of the Upper Bronte Gully Creek Restoration Project, which aims to reduce pollutants and erosion, enhance native vegetation and improve aesthetics and ecological value.

100 % of the actions identified in the Water Savings Action Plan were achieved on time and within budget.

The Environmental Levy funded a number of programs and projects that have provided benefit to residents and businesses. 16 schools also worked with Council to undertake waste, water educational days.

Annual festivals to raise environmental awareness in the community were held including World Environment Day and Ocean Care Day.

Works are being carried out throughout the Waverley Council area as part of an ongoing program to improve drainage systems' stormwater collection as well as safety through installation of bike safe drainage grates. The 2009-10 program identified 130 pits to have new bike safe drainage grates and/or new lintels installed with the works being divided into two work packages/stages. Work on each pit is anticipated to be completed within five days of commencement and contractors will be working on multiple pits at any one time.

Environmental Services implemented a comprehensive water signage program across the LGA on completed water savings and pollution prevention programs that were undertaken by Council. Educational signs were developed for:

- stormwater harvesting and pollution prevention program at Bronte Beach
- installation of bore water systems at Barracluff Park and Waverley Park.

The award-winning Bronte Stormwater Harvesting System, commissioned in 2008, saves 14 million litres of drinking water per year. The system captures and treats stormwater from the Bronte Gully. The treated water is used for park irrigation, toilet and urinal flushing in the amenity block and for cleaning Bronte Pool. This system also works to improve the quality of stormwater discharged at Bronte Beach.

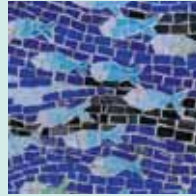
Council has installed a network of steel slimline rainwater tanks with

a combined storage capacity of 15,000 litres at the heritage listed Bondi Road Art School. Prior to the installation, water balance modelling was undertaken to determine the best tank size for delivery of reliable performance over time and reduction of the reliance on potable water. This project was supported by the Australian Government Community Water Grants.

Millions of people visit Bondi Beach each year but few get the chance to explore the underwater environment and see the marine life first hand. Now more can thanks to the newly opened Underwater Bondi Experience at Bondi Pavilion's Marine Discovery Center (MDC). This project is intended to educate many visitors about the importance of marine life and the coastal environment.

For many years Council has been committed to reducing its use of potable water. Through the installation of water efficient and reuse features Council has managed to cut its water use significantly since 2002. Initiatives include:

- waterless urinals and rain water tanks to flush public toilets at Marks Park and Bondi Beach South
- stormwater reuse system used for toilet flushing, pool cleaning and irrigation at Bronte
- use of groundwater to irrigate Barracluff Park and Waverley Oval
- Water Sensitive Urban Design demonstration project at the aged housing facility in Waverley.



Council won two top industry awards for its innovative stormwater harvesting project in Bronte. The project was recognised at the annual Stormwater Industry Association NSW Awards. It took out the award for Excellence in Stormwater Harvesting and Research and Development categories.

Groundwater storage tanks have been installed at both Barracluff and Waverley Parks for use by Council operations. This Environmental Levy-funded project is saving thousands of litres of drinking water each year and improves irrigation at Waverley Oval and Barracluff Park.

As outlined in the Environmental Action Plan 2, Council plans to invest \$1 million over 10 years to improve the quality of stormwater entering beaches by improving pollution control in the upper catchment.

Council continued weekly water monitoring of two ocean pools. Weekly water quality monitoring was also carried out across the LGA's three beaches with Council involvement in the Beachwatch Water Monitoring Program. Council also conducted regular water quality snapshots of all stormwater outlets to monitor water quality, isolate problem catchments, and identify pollution sources.

Council continues to implement the Southern Sydney Regional Organisation of Councils (SSROC) Soil and Water Management Program. This program aims to prevent degradation of waterways and stormwater systems by

minimising the loss of soil and building materials from construction sites.

Research began in 2007 in collaboration with National Parks Association Coast Keepers Program to develop a public database of fish species in the LGA. This statewide community monitoring project enables divers to monitor Sydney Harbour and NSW marine life respectively, and allows divers, the wider community and environmental managers to view results on interactive maps or through species searches.

Three collaborative programs were completed with the Marine Discovery Centre last financial year. These were:

- Ocean Care Day
- discounted entry to the MDC for Waverley residents
- Rockpool Rambles at World Environment Day.



Biodiversity

Biodiversity refers to the variety of all life forms present, such as the different plants, animals and micro-organisms, the genes they contain, and the different ecosystems in which they are found and form part of. It is important to conserve biodiversity, to protect the life-support systems on earth. These systems include fresh water provision, climate regulation, the creation of soils, and the natural disposal of pollutants. They are fundamental to the quality of our life and our economy.

The Waverley LGA's natural environment has undergone significant change in response to the pressures of residential, commercial and recreational use. The few remaining areas of remnant and planted vegetation play an important role in the area, especially in terms of providing food, habitat and shelter for native animals.

Waverley LGA boasts 112 hectares of open space covering 82 parks and reserves. Of this, approximately six hectares are native remnant vegetation. Small areas of remnant bushland that provide important refuges for native flora and

fauna are also located on private properties throughout Waverley.

Volunteers play an important role in preserving the area's natural open space and contribute to the biodiversity of the area. Council runs a number of volunteer programs that encourage local residents to be involved such as Bushcare, Pocket Parks program, Adopt a Tree and Footpath Gardens.

In Waverley, the Eastern Suburbs Banksia Scrub is listed as an endangered ecological community under the *Threatened Species Conservation Act 1999 (NSW)*. This isolated site is located on the York Road boundary to Centennial Parklands.

The Sunshine Wattle, *Acacia terminalis* ssp *terminalis*, is listed as endangered under the *Threatened Species Conservation Act 1999 (NSW)*, and the *Environment Protection Biodiversity and Conservation (EPBC) Act 1999 (Cth)*. This rare plant has a limited distribution, and numbers have declined due to development pressures. The locations of this rare plant in the Waverley LGA are listed in the National Recovery Plan.

PRESSURES ON OUR BIODIVERSITY

- Noxious weeds.
- Land clearing.
- Stormwater pollution.
- Fragmentation of remnant bushland.
- Exotic plants spreading from private gardens.
- Illegal dumping.
- Feral animals.
- Illegal tree removal.
- Companion animals.

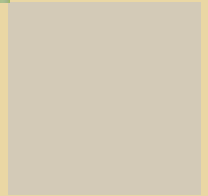
RESPONSES TO THESE PRESSURES

Bushcare Volunteer works in our parks and reserves continued with support from both professional and volunteer Bushland regenerators. Groups are working at Diamond Bay, Eastern Reserve, Hugh Bamford Reserve, Tamarama Park, Bronte Park and Calga Reserves throughout the year.

Habitat consolidation works were carried out with funding support from the Federal Government's Caring

SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement Towards Sustainability
Area of Bushland in active care of Council and community (m2)	2,243	5,240	6,823	6,823	6,823	↑
Number of native flora species identified in Waverley LGA	154	154	154	154	118	↓
Number of native fauna species identified in the Waverley LGA	93	94	94	94	94	↑



for Our Country Initiative at Calga Reserve, Bronte and Tamarama Gullies. Professional contractors carried out bush regeneration and re-vegetation works using local native species within the remnants.

The Tamarama Gully community tree planting day held in March was a great success, with over 330 native trees and shrubs planted by 30 enthusiastic residents.

National Tree Day is Australia's biggest community tree planting event, along with Schools Tree Day on Friday 30 July. Last year saw more than a million native trees and shrubs planted at over 3,000 sites across the country.

The Spicers/ Landcare Corporate Planting Day continued at Hugh Bamford Reserve. 600 local native trees, shrubs, grasses and groundcovers were planted on the embankment of Hugh Bamford Reserve along Military Road, by staff and families of Spicers Paper. Contractors assisted with site preparation, planting and maintenance.

Revegetation of the Hugh Bamford Embankment in North Bondi continued. Work included weed removal, erosion control, mulching, and maintenance of previously landscaped areas and more resilient areas. Work will continue on the embankment in the future and will be funded by Council.

Professional Bushland regenerators were engaged to maintain our bushland remnants. Works were undertaken in the Eastern Reserve, upper and lower remnants, Caffyn Park, Raleigh Reserve and Diamond Bay, and in Bronte Gully on the site

previously rehabilitated through an Envirofund Grant.

A fourth stage of contract rehabilitation and maintenance of the re-vegetation at Bronte Cutting was completed, which saw revegetation using local native species continue eastward along the cliff top.

Alligator weed (class three noxious weed) control works were carried out in Bronte Park. Fencing was put in place until the treatment had been completed. Green Cestrum (class three noxious weed) contract control works have treated the weed on the south side of Bronte Gully. Information on noxious weeds was distributed at Tamarama Planting Day held on 21 March 2010 and at Bondi Bohemia Fair on 13 June 2010.

Council's Parks and Operations staff has made a significant contribution to Biodiversity, having planted 130 native shrubs in local parks.

The list of trees on the Significant Tree Register has been mapped on Council's online mapping tool, Exponare. This can be used by staff for cross referencing, and can also be viewed by the public.

The Waverley Flora/Fauna study was completed in February 2010. The recommendations from these reports will be integrated into Council's land use planning system in the 2010-11 financial year.

One of the actions of the adopted Tamarama Park Plan of Management has seen the development of an Ecological Restoration Framework and Action Plan for Tamarama Park and Gully. This document will be completed in 2010-11 and will provide a

framework for future restoration works and vegetation management.

Council established its Sustainable Garden Awards as part of the new Civic Pride Program. The aim of the awards is to recognise aesthetically pleasing and sustainable gardens, focusing on water-wise and environmentally friendly gardening methods. The Waverley Council Civic Pride Awards for Gardening have been promoted and sponsorship was being arranged at the end of the reporting period. The awards will be judged in October.

Council's Adopt a Tree Program is an initiative of the Civic Pride Program. This program, launched in May 2007, encourages residents to become involved in their community and improve the amenity of their area. When street trees are planted, pamphlets are distributed to encourage residents to care for these trees. This planting season, Weonga Road, Ethel Street and Kimberley Street have been selected to take part in the adoption program.

The Pocket Parks volunteer program supports residents who wish to enhance small pockets of green space in their neighbourhoods. Council currently has groups working at Sir Thomas Mitchell Reserve, St James Reserve and O'Donnell St Community Reserve. The next group to be established will be at Frances Street Reserve in 2010.

A Vegetation Management Plan was prepared for the Coast Walk boardwalk below Waverley Cemetery. The Plan informed pre-construction works and is guiding revegetation works and aiming



Biodiversity

to help protect the remnant that volunteers care for.

Council's Environmental Levy funded a private consultant to undertake Indigenous seed collecting. Seeds collected from local remnant areas are stored at Randwick Nursery, and propagated for Council on a needs basis to conserve the local gene pool. This collection and propagation project is expected to continue.

The Greenwave workshop program runs throughout the year and features several workshops that promote biodiversity. They are free, open to all and funded through Waverley Council's Environmental Levy. Native Plants from the Garden to the Table was a popular workshop where participants learnt about native plants and sampled some delicious bush tucker.

Council is currently undertaking a biodiversity study to see what animals live in the area and assess the health and diversity of pockets of bushland. Results will be used to improve native habitats and support the animals that live there. Introduced weeds and pest species such as the Common (Indian) Myna will also be monitored and managed through the study.



Aboriginal and non-Aboriginal Heritage

Heritage is defined as a place, object, custom or culture that has historic, scientific, cultural, social, archaeological, aesthetic, natural or Aboriginal significance. Heritage consists of those places and objects that a community has inherited from the past and wishes to hand on to future generations.

The Waverley Heritage Study conducted in 1994 identified over 400 items of either natural, built, or Aboriginal significance with an additional seven heritage conservation areas. To ensure their conservation and protection, each of these items was scheduled within the *Waverley Local Environmental Plan 2010*. Waverley LGA also has eight listings in the State Heritage Inventory under the *Heritage Act 1977*.

Waverley Council is committed to the protection and conservation of its Aboriginal heritage. In partnership with the NSW National Parks and Wildlife Service, Council is responsible for the protection, preservation and management of all Aboriginal relics throughout Waverley irrespective of land tenure. Waverley LGA has nine Aboriginal Heritage sites recorded on the Aboriginal Sites Register under the NSW National Parks and

Wildlife Act, 1994. These include rock engravings, camps, caves and midden sites.

It is likely that the Waverley LGA supports other, as yet unknown and unlisted, sites.

PRESSURES ON OUR HERITAGE

- Recognised need to expand current heritage register.
- Lack of enforceable maintenance provisions for listed sites.
- Inappropriate infill development in heritage conservation areas.
- Increased applications for on site parking provisions within listed heritage areas.
- Insufficient expertise in dealing with listed items.
- Unrealistic expectations of floor space ratio applied to listed buildings.
- Cultural change in favour of replacement rather than maintenance of built fabric.
- Lack of understanding and recognition of Native Title rights and interests.
- Erosion or damage of sites from wind, water, sun and human activities.

- Private construction techniques in Bondi's sandy soils are not congenial to sifting for Aboriginal artefacts.
- Environmental performance and access legislation.

RESPONSES TO THESE PRESSURES

Waverley is Sydney's second oldest local government area. Its buildings, homes and apartments provide valuable insight into the area's historical identity. Waverley Council promotes conservation of the area's built heritage by identifying potential heritage sites, groups and areas, raising community awareness about heritage and offering free heritage and advisory services to home owners. The Waverley Heritage Assessment 2008 and Bondi Junction Heritage Assessment 2004 identify and assess individual heritage items and heritage conservation groups. Waverley's built heritage includes all buildings and areas listed in the *Waverley Local Environmental Plan 2010*. It covers private and public property including homes, public and commercial buildings, schools, churches, groups of buildings and even streetscapes.

SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement towards sustainability
Heritage items listed in Waverley LEP	432	432	432	432	489	↑
Number of traits listed on the NPWS Aboriginal Sites Register	209	209	209	209	209	↔



Aboriginal and non-Aboriginal Heritage

Heritage conservation is included in the Consolidated Waverley DCP (precinct-based plan containing heritage conservation controls for development on private and public land).

The final addition to the Bondi Pavilion Theatre Upgrade is the installation of a glass walkway to enable the viewing of the 1950s Dance Hall Murals. This project is undertaken with the support of the NSW Heritage Office and provides an innovative solution to the interpretation of this important heritage element within the Bondi Pavilion. The works aim to set a good example of best heritage practice and ongoing conservation in New South Wales. Installation has been successfully completed.

In 2008 Council undertook an Aboriginal Heritage Study, funded in part through the NSW Heritage Grant 2008-10 administered by the NSW Heritage Office. This was presented to Council in July 2009. Findings, conclusions and recommendations developed for the Waverley Aboriginal Heritage Study were established in consultation with the La Perouse Local Aboriginal Land Council and the Elders of the Dharawal Community. The study identified a further nine Aboriginal cultural heritage sites for inclusion in the Waverley LEP 2010. In addition, this report recommends a strategy for Council for the management of Aboriginal heritage sites/items currently unrecorded within both public and private lands.

Due to the significance of place, the Waverley area boasts 180 individual Aboriginal entries on the NPWS Aboriginal Sites register

and 209 traits. These include rock engravings, middens, shelters with middens, shelters with art, open campsites, shelters with deposits, axe grinding grooves, burial sites, contact mission, and a historic place. It is also important to note that due to sea level rise around 10,000 years ago, it is estimated that hundreds of sites are located off the coast.

Two significant archaeological sites located at Bondi summarise past Aboriginal occupation of the Waverley area prior to European settlement. These comprise a large open campsite located during the 1890s in the sand dunes at the back of Bondi Beach and the extensive rock engravings at Bondi Golf Course/Williams Park. Artefacts that were relocated from the Bondi Beach middens to the Australian Museum in the 1930s are currently being identified.

Council continues to offer a free heritage and urban planning advisory service to assess the impacts of proposed development works on identified heritage sites. This is available two days a week (Tuesdays and Fridays). Where the impact is identified as excessive, applicants are required to address identified issues, engaging specialist heritage planners if needed. In the last quarter, there were 96 referrals which have been completed within the service standard.

Heritage Information Kits have been prepared and are now being included in development application kits. The packages include information regarding permissible activities on heritage sites.

The Civic Pride Heritage and Design Awards are an annual initiative of Council, and seek to recognise excellence in heritage and urban design by acknowledging residents', architects' and designers' development projects. The awards comprise two categories, including Conservation and Contemporary Design. Calls for nominations were carried out between October 2009 and January 2010.

Waverley Council has launched an online mapping service that gives the public access to a range of interactive maps of the Waverley Local Government Area. The maps provide information on a range of local services, facilities and planning controls in the Waverley community including heritage.



Land

The Waverley LGA is located on Sydney's eastern seaboard, approximately seven kilometres from the central business district. It includes Bondi Junction, Queens Park, Bronte, Waverley, Bondi, North Bondi, Tamarama, Dover Heights and parts of Rose Bay. Waverley's position between the city and the sea is the key to its enormous attraction for residents and visitors. Waverley lies just south of Sydney Harbour with its eastern boundary defined by the Tasman Sea. Dover Heights enjoys views to the Harbour Bridge whilst the beachside suburbs of Bondi, Tamarama and Bronte are popular with visitors.

With an area of 9.3 square kilometres and a population density of 7,400 people per square kilometre Waverley is the most densely populated LGA in Australia after the City of Sydney. Despite the small area, Waverley boasts a rich and diverse mix of residential, business, and natural landscapes that attract local, regional, and international visitors.

Since the 1850s, a greater appreciation of the scenic and recreational values within the Waverley area has seen a steady increase in both residential and commercial development over industrial land uses. This increase in development has resulted in extensive land degradation along the coastal zone due to land clearing, destruction of native vegetation, introduction of exotic weed species, erosion and increased urban runoff.

In response to these pressures, Council continues to develop environmental strategies within its corporate planning documents, policies and environmental planning instruments that will ensure these impacts are minimised and the state of our environment is preserved for present and future generations.

PRESSURES ON OUR LAND

- Urban redevelopment.
- Excessive land clearing.
- Land degradation.
- Contaminated sites.
- Soil erosion.
- Introduced species.
- Visitation.
- Beach erosion/ shoreline recession.

RESPONSES TO THESE PRESSURES

Council is continuing its construction of the Coastal Walk project. Council invested more than \$2.5 million in building the Sesquicentenary Boardwalk and now visitors can enjoy the spectacular coastal views, sandstone cliffs and rocky outcrops near the historic Waverley Cemetery. Visitors can also enjoy the natural bushland (sea-cliff sedgeland and herbland) that runs alongside the boardwalk.

A contractor for the Barracluff playing field resurfacing has been selected with work commencing in

SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement toward Sustainability
Per capita of Open Space (ha)	0.0017	0.0017	0.0017	0.0017	0.0017	↔
Number of Development Applications approved by Council	1,020	1,014	1,025	1,072	897	↑
Residential Density (population per km ²)	7,333	7,333	7,333	7,333	7,400	↓

Land

spring 2010. Initial investigations into upgrading facilities at Rodney Reserve are complete.

In 2009 a Council meeting approved demolition and rebuilding of the Waverley Park Grandstand. The grandstand and amenities building have already been demolished, and construction of the new facilities started in August 2010. Soils have been tested and sorted. No contaminants have been identified and substantial site soil is virgin material overlying sandstone bedrock. Council's contractor has been removing waste materials (approximately 5%) from the sandy soil via mechanical and manual screening to enable the soil to be reused as fill, thus eliminating the need to transport the material to a waste landfill facility.

Significant groundwater has also been encountered on site and further investigations are being undertaken to determine the feasibility of capturing the groundwater and using it to top up the parkland's irrigation water needs. Completion of construction is anticipated by September 2011.

Facilities and services planning for Waverley Park Pavilion are complete and the Waverley Park Master Plan now includes tennis courts, another netball court, upgraded playing fields, a toddlers' playground and more cricket nets.

The successful Greenlinks program continues to be implemented. Greenlinks makes pedestrian links between parks, beaches, transport nodes, schools and commercial centers easily accessible and well signed so that people can walk confidently and safely around

Waverley. Green Links 1 connects Centennial Park, Bondi Junction and the iconic Bondi Beach with a direct walking route. Walking from Centennial Park to Bondi Junction takes 10 minutes, while Bondi Junction to the Beach takes 40 minutes. Green Links 2 is from Bondi Junction to Queens Park and takes less than 20 minutes. Green Links 1 and 2 are the first of five walks planned for Waverley. The remaining three walks will link Bondi Junction with Tamarama and Bronte Park; Queens Park to Tamarama; and the Coastal Walk to Barracluff Park. These walks are an easy way to get around and experience Waverley's parks and historical sites.

Council's Environmental Action Plan2 (EAP2) was adopted by Council in October 2009 and sets the environmental direction for both Council and our community for the next 10 years. Based on extensive community consultation, the EAP contains ambitious targets in the areas of waste, biodiversity, water, greenhouse and sustainability education and engagement. The plan sets out the most cost effective and environmentally beneficial actions that will ensure Council meets its targets. Relevant activities undertaken to date include:

- Undertaking erosion control and revegetation works at Bronte Gully.
- Completing a detailed design for a proposed stormwater harvesting program at Bondi Beach.
- Auditing major energy/ water consuming sites.

- Encouraging solar PV and solar hot water system take up within our community through the Go Solar program. and
- Completing a Climate Change Adaptation plan for Council.

As part of the preparation of the *Waverley Local Environmental Plan (Bondi Junction Centre) 2010*, Maunsells was commissioned in August 2007 to prepare the Bondi Junction Traffic and Transport Study. The purpose of the study was to undertake an analysis of the potential traffic and transport impacts as a result of future growth in the Bondi Junction Area in line with Metropolitan Strategy targets. On 21 April 2009, Council resolved to undertake a review of the Waverley Transport Policy. As part of this review, Council resolved to undertake a review of the Bondi Junction Traffic and Transport Study to take into consideration revised expected growth forecasts following the gazettal of the *Local Environmental Plan (Bondi Junction Centre) 2010* in May 2010. The review is currently underway.

Public Place Cleansing inspected and removed graffiti from the "100 Hot Spots" every Monday and Tuesday on a weekly basis. Offensive graffiti was removed within 24 hours in all cases after being reported. Public Place Cleansing removes all billposters from high profile areas within 48 hours and all other areas within 20 working days once reported. This removal is recorded and data transferred to the Compliance Division for investigation. The Graffiti Management Team responded to 246 requests for graffiti removal

from private property and 285 requests from Council property (including 52 reported instances in Council parks) during 2009-10.

An audit of the location of all public seating has been completed to improve and provide additional seating as part of the disability access strategy.

The Waverley Bike Plan involves the upgrading of two sections of the bicycle route that traverses Waverley Street, Waverley Park and Henrietta Street in Bondi Junction and Blair Street, Wairoa Avenue and Campbell Parade in Bondi. The works include the installation of bike lane line marking, signage and the construction of a three-metre-wide shared path through Waverley Park. The estimated value of this project is \$350,000 with part funding being provided via the Federal Government's Job Funds - National Bike Path Project and Council contributing the balance of the funds. Works commenced in late March 2010 and currently 95% of bike plan signs have been installed. The construction of the widened shared path in Waverley Park commenced in late March 2010 and is due for completion in mid April 2010. Line marking installation commenced in April 2010. All works are anticipated to be completed by early June 2010.

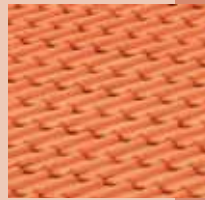
Improvements to the Roscoe Street Mall will facilitate pedestrian movement and allow for special events and markets, dining and recreation. Council approved the concept design for this project at its meeting on 17 February 2009. Responses to the community consultation on the landscape design were very positive.

The 40km/h High Pedestrian Activity Area at Bondi Beach is to incorporate the area bounded by Beach Road, Glenayr Avenue, Hall Street and Campbell Parade.

The submissions during the community consultation for the 40km/h zone highlighted overwhelming support from the local community for this pedestrian safety initiative. Construction of this project is now complete and includes:

- raised pedestrian crossings with additional street lighting
- kerb extensions
- speed humps
- colour road treatments.

A series of tunnels are located beneath Queen Elizabeth Drive, Bondi Beach. Additional storage facilities are also located under ramps at the beachfront. These facilities have deteriorated over time and are now found to be in unsound condition and have been strengthened with props. Permanent remediation and reconstructive solutions have been divided into stages. Stage 1 involved reconstruction of the ramps and was completed in September 2009. Stage 2 involves construction of the utility space below the promenade and is currently in the design phase. Preliminary detailed designs and estimates received are being reviewed.



Noise

Noise pollution can be defined as unwanted or offensive sounds that unreasonably intrude into daily activities. It has many sources, most of which are associated with urban development, and include roads, air, transport, industry, neighbourhood and recreational noise. The impact of noise in our community can reduce public amenity and adversely affect health and communication.

Noise pollution can cause a major reduction in quality of life. However some unavoidable activities such as demolition, construction and excavation, are inherently noisy and need to be well managed rather than prevented.

The Department of Environment Climate Change and Water (DECCW), the NSW Police Service, and local councils all play a part in monitoring and regulating noise control.

The *Protection of the Environment Operation Act 1999* and the *Protection of the Environment Operations Noise Control Regulation 2000* are the principal legislations applicable in New South Wales that address environmental noise issues. Actions implemented under this legislation include: Noise Abatement Order; Noise Abatement Direction; Noise Control Notice; Prevention Notice; Proactive Response; and Regional Response.

PRESSURES ON THE ENVIRONMENT FROM NOISE

- Increasing population.
- Barking dogs.
- Traffic and transport.
- House and car alarms.
- Swimming pool pumps.
- Mechanical ventilation systems.
- Parties.
- Public events.
- Construction noise.
- Garbage collection.

RESPONSES TO THESE PRESSURES

Between July 2009 and June 2010, Council received approximately 242 noise complaints – a significant decrease compared to previous years. Council responded to complaints by carrying out inspections and taking appropriate regulatory action. Most complaints were resolved at this stage; however, non-compliance with regulatory notices led to some fines being issued.

Now in its sixth year, My Bondi Summer combines a series of managed events, alcohol free zones and education to help provide a fun, safe and friendly atmosphere throughout the busy summer period. Throughout

the My Bondi Summer 2009-10 program a noise complaint hotline was available, and noise complaint coordinators worked with production managers to reduce the volume of events. The My Bondi Summer booklet was widely distributed through cafes, shops, clubs, pubs, backpacker hostels, Waverley Library, Bondi Pavilion, Council Chambers, and a letter box drop to residents. It contained information on alcohol free zones (the Sober Santa Campaign), safe summer parties (controlled licensed events) and the noise complaint hotline. There were no reported noise complaints during the licensed events.

Police will enforce alcohol free zones in and around Bondi, Bronte and Tamarama beaches and parks over the summer. They encourage drinking responsibly and drinking at a licensed event and venue.

Council's Visitor Management Strategy focuses on reducing the adverse impacts of visitors on the Waverley area. As a requirement of Council's Visitor Management Strategy, all boarding houses now have a Management Plan in place to mitigate potential noise impacts on nearby residents.

As part of the Noise Management Plan, Council is working closely with the police to mitigate noise

SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement towards sustainability
Number of noise complaints	500	490	415	369	242	↑



pollution throughout the Waverley area. Council receives monthly reports from the police on noise-related complaints. The problem areas highlighted in these reports are targeted by Council and ongoing noise pollution prevented. Any residences receiving two or more noise complaints are visited by a Council officer, and sent a letter of warning.

The Eastern Suburbs Liquor Accord supported its education initiative with drink coasters and posters in licensed premises to inform patrons about responsible drinking and the legal consequences of inappropriate behaviour. Council staff distributed bags, bottles, booklets and posters to backpackers, with messages about swimming safely, partying safely and advising the locations of alcohol free areas. The Christmas and New Year events were popular, with no incidents or noise complaints reported.



Social



Creating a sustainable community which meets the lifestyle needs of all its existing and new members requires careful planning so that accessible community services and facilities continue to support Waverley's rich social fabric. To do this, Council must ensure that planning processes and strategies contribute to the maintenance and improvement of the social, natural and physical environments for everyone to enjoy.

Waverley Council is committed to delivering a high standard of strategic and social planning activities. Based on demographic profiles and needs analysis, we develop strategies and actions in response to priority issues and concerns. The details of Waverley's social planning process and

action plan are integrated into the Waverley Strategic Plan. The plan is based on extensive consultations with a variety of residents, service providers, and consumers of services in the local community.

PRESSURES ON OUR SOCIAL ENVIRONMENT

- Increase in ageing population.
- Housing affordability.
- Lack of recreational facilities for young people.
- Affordability of child care services.
- Crime.
- Community Safety.

RESPONSES TO THESE PRESSURES

Bondi Winter Magic was held from June through August 2010. Bondi sparkled, with music on the streets, shopping nights, skateboarding, ice-skating on the beach, beach yoga, food and wine tastings, dining specials, art shows, Bondi Bohemia Fair and more.

The successful My Bondi Summer campaign offered plenty to do at Bondi Beach during the festive season and over the Australia Day long weekend. Now in its sixth year My Bondi Summer combines a series of managed events, an alcohol free zone and a community education program which help provide a fun, safe and friendly atmosphere for everyone over the busy summer period.

SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement towards sustainability
Number of affordable housing units	46	82	90	92	85	↑
Number of community volunteers participating in sustainable activities and related activities:						
Community clean ups	400	100	150	150	150	↓
Bush care programs	86	154	154	154	154	↑
Environmental Levy programs	4,778	7,432	7013	10,978	11,712	↑
Environmental Courses	374	421	513	928	1327	↑
Number of residents in precinct forums**	1,318	1,215	790	ND	1,038	↓

Waverley Council has implemented the Regional and Local Community Infrastructure Program (RCLIP). Under this federally-funded grant program, the following playgrounds are being upgraded or renewed:

- Clementson Park Playground.
- Caffyn Park Playground.
- Kimberley Reserve.
- Cuthbert St and Fitzgerald St Playground.
- Murray St and Palmerston St Playground.
- Glenayr Ave and Murriverie Rd.
- Weonga St Playground.
- Scott St and Arden St Playground.
- Dover Rd Closure Playground.

Council has continued its refurbishment of the Bondi Waverley School of Arts building. These refurbishments include repairing the upper level of the balcony and forecourt construction. This refurbishment also includes installation of rainwater tanks as a part of a rainwater harvesting project under the Environmental Levy Program.

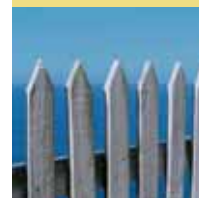
Public Art in the Private Domain Guidelines have been prepared. The guidelines support promotion of the integration of artworks into major alterations and additions within Bondi Junction Town Centre.

Council continues to provide affordable child care facilities with Council's long day care fees for 2009-10 being 11.5% below the average child care centre fees within the Waverley area.

The program of events at the Bondi Pavilion has been reviewed again this year and involved input from a number of new Cultural Services staff and the Cultural Development Officer. The redevelopment of the program has introduced new initiatives in the range of events, activities, workshops, holiday programs and venues. These target a broad range of groups including seniors, CALD (Culturally and Linguistically Diverse) groups, ATSI (Aboriginal & Torres Strait Islanders) groups, young children and families, local youth and people with disability. Partnership planning was also continued for curated exhibitions and ephemeral public art in line with the Bondi Pavilion Purpose Statement and Arts Plus plan.

Several events were held for young people this year:

- Skate competition held in July 2009 to mark the launch of the Bondi Skate Park Safety Guidelines.
- Jungasounds, a Café style music event held in January 2010.
- Bondi Blitz open air concert held during Youth Week in April 2010, included Face Book, an interactive performance piece promoting awareness among young people of the way their personal information can become public through social networking sites.
- Evening concerts featuring local youth bands were held in September 2009, February and May 2010.
- The Youth Art Award and Exhibition catered for 198 entrants.



Social



- The Bondi Wave Youth Bands Courses commenced and the Bondi Wave Music Industry Seminar attracted 300 attendees. Hip Hop workshops and Bondi Wave Recording workshops were also held.
- Acting, dance, DJ Mixing and song writing workshops for youth aged 9-13 (over 12 workshops facilitated).
- Bondi Live Youth Music Project (BLYMP) held two live all ages music events over the year.

A minimum of four activities were held each month for seniors and people with a disability. These included weekly music and ceramic workshops, free monthly concerts and the provision of subsidised venues for groups including Junction House, AA and MS Society.

Waverley Council is committed to improving access and services for people with disabilities through its Disability Action Plan and Access Policy.

Draft Crime Prevention Strategy for the management of graffiti was submitted to NSW Dept of Justice and Attorney General in June 2010. Council contributed to the development of a graffiti action plan by the Waverley Police. Maintenance on two protected street murals was completed, and a new mural commissioned to deter tagging in Oxford St Mall.

With Council support, WAYS Youth Service commenced a 'youth paint out' scheme in Wairoa Ave North Bondi, and skaters continued to paint out graffiti tags on the Bondi Skate Park.

Council's Beach Theft Campaign, designed to promote awareness of the risk of personal theft from Waverley's Beaches and reduce the value of goods lost, was repeated over summer 2009-10.

There were many ongoing children's programs held in the July 2009 to June 2010 period. These included:

- Book Babies (two sessions every Monday)
- 2-4 Tales (two sessions every Tuesday)
- School's Out Story time (every Wednesday afternoon)
- Sunday Films
- Lego Classes (run by Computer Tots) one per week
- Chess Classes (run by Igor) two per week
- Music Classes two per week
- January School Holiday Program (14 activities)
- April School Holiday Program (seven workshops/events)
- Teenage Holiday Program (January - two activities)
- Teenage Holiday Program (April – Cartooning Workshop)
- Teenage Reading Group (third Tuesday of each month).

Waverley Council has offered new and innovate programs this year including:

- Astronomers without Borders at the 2009 Festival of the Winds
- Waverley Seniors' Week
- Environmental family activities in conjunction with a Wildlife Exhibition

- Green Brains: Lecture and activity series - engaging residents in fun and interesting events to promote sustainable living.

Public art continues to be promoted in Waverley with three public art works in negotiation for new private developments in Bondi Junction and Bondi Beach. Bondi Junction Public Art project is due to be completed shortly.

Council conducted a comprehensive program to celebrate its 150th birthday during 2009. Each month was packed with celebratory events. The year-long celebration included: local history walks and talks, a Birthday Fair, a birthday party, a film festival, literature and sporting events, a commemorative Council Meeting, storytelling workshops, parties and more. The Sesquicentenary year also saw the launch of events and programs which will be ongoing, including the inaugural 'Waverley Words' Literary Festival held in October and November 2009.

This festival was successful on many levels particularly because in addition to Council-run events, it showcased a variety of activities organised and sponsored by the local community.

Support has been provided this year for the following community based committees and groups: Waverley Community and Seniors Association, ECHO Neighborhood Centre, Bondi Outreach Project, Norman Andrews House, Randwick Waverley Woollahra Community Transport, Bondi Beach Cottage, Grace Child Care Centre, Junction House, Eastern Area Tenants Service, and Safe Summer Survival.



The following local schools were supported through the Sustainable Schools Small Grants program – Kesser Torah College, Wairoa Special School, St. Clares College and the POEM School based at WAYS Youth Centre and Rose Bay Secondary College.

Council continued fostering partnerships with various organisations by participating in the following regional groups: Early Childhood Information and Coordination Program, Inner and Eastern Sydney Child and Family Interagency, Local Government Youth Development Officers Forum, the Eastern Suburbs Out of School Hours Coordinators Forum, the Inner and Eastern Suburbs Multicultural Interagency, the Eastern Sydney Disability Interagency, the Eastern Area HACC Forum, the Eastern Area Interagency, the 3-Council Ecological Footprint Program (in partnership with Randwick and Woollahra Councils), the Sydney Coastal Councils Group, The Southern Sydney Region of Councils and the Southern Sydney Sustainability Educators Network.

Waverley Housing for Older People (WHOP) brochures were updated for Greek, Italian, Russian and Polish speakers, with Telephone Interpreter Service (TIS) contact details updated. Waverley Housing for Older People (WHOP) was advertised in Italian and Greek newspapers. .

All 16 schools in Waverley are participating in Council's Sustainable Schools Program. They regularly receive information about the Eastern Suburbs Sustainable

Schools Network, the schools grant program and the various events, programs and support available. Schools are also able to contact Council to request site visits, audits, information and assistance with project proposals, environmental management planning, grant applications and basic project resources. Significant programs completed in 2009-10 included:

- establishment of four vegetable gardens in local schools
- waste audit at St Clares College
- surveying of schools to find out what assistance they required from Council
- sending three Waverley students to the Powershift Conference in Canberra
- a Bronte Gully educational walk with year one students from Bronte Public School
- subsidised school group visits to the Marine Discovery Centre
- five Schools received council support for their Walk Safely to School Day events.

Council Environmental Sustainability Advisory Committee (ESAC) has 14 dedicated members made up of four nominated councillors and 10 community representatives with experience in areas of environmentally sustainable development. This committee is helping transform Council's vision for an environmentally sustainable community into action. The Committee does this by:

Social



- Working directly with council to promote sustainable and efficient practises and reduce the ecological footprint of the Waverley LGA
- Assisting Council to integrate environmental sustainability into Council Policy, plans and operation; and providing a forum for discussions and recommendation on sustainability issues relevant to the Waverley LGA
- Reviewing the chapters of Development Control Plan, to incorporate sustainable building incentives, water management technical guidelines
- Providing feedback on the Environmental Action Plan (EAP).

Precinct Committee meetings are regularly held by residents to discuss matters of concern to the local area. Precinct meetings are organised by volunteer local residents who are elected annually by members and all residents of a precinct are welcome to attend meetings. Precinct meeting dates are advertised monthly in local newspapers and a notice of the meeting agenda is placed in residents' letterboxes. Council staff and Councillors frequently attend meetings to provide information and to take Precinct concerns back to Council. Waverley Council has supported a resident Precinct system for twenty years because it is committed to encouraging resident participation in Council decision making. Council works closely with the Precincts and regularly sends out information such as:

- development applications in the area

- traffic management proposals
- Council policies and management plans
- landscaping and environmental plans
- changes to local services
- community services.

The comments and recommendations of the precinct meetings are forwarded to Council where appropriate action is taken. Council considers precinct comments as important in decision making about changes, developments or plans for improvements for the area.

Bushcare is a community-based initiative combining Council resources, community volunteers and trained bush regenerators to restore, protect and enhance remnant bushland areas in Waverley. Council supports bush care groups in the following locations:

- Calga Reserve/Waverley Cemetery
- Tamarama Gully
- Hugh Bamford Reserve
- Bronte Gully
- Diamond Bay Reserve (Rosa Gully)
- Eastern Reserve
- Dover Waverley.



Waste and Resource Recovery

As people buy and consume more products, the rate of waste generation increases. This general trend places pressures on the environment and Council's waste management systems.

People who visit, live in, or work in Waverley, can reduce this impact by taking more responsibility for their waste. This involves actively avoiding waste generation, recycling more, and disposing of non-recyclable materials responsibly.

Council is constantly improving its capacity to handle waste more efficiently and to reduce its initial generation by implementing various strategies and education programs. Council views waste as a valuable resource and in response continually increases its efforts to divert waste from landfill by improving resource recovery throughout the LGA.

PRESSURES ON OUR WASTE SYSTEM

- Population increases
- Littering
- Increasing generation of waste
- Reduction in the availability of landfill space
- Subsequent increase in landfill disposal costs
- Cost of managing negative environmental impacts from landfill sites e.g. leachate, greenhouse gasses.
- Illegal dumping
- Reduced life span of goods, especially electronic
- Increased packaging of products
- Increased economic growth and consumption of goods

SUSTAINABILITY TRENDS

Environmental Indicator	05/06	06/07	07/08	08/09	09/10	Movement towards sustainability
Total tonnes waste to landfill (no recycling)	16,958	15,403.3	14, 217.7	18,969	22,802	↓
Total tonnes waste diverted to recycling	10,493.9	10,886	10, 633.2	10,076	9,846	↓
Tonnes of illegally dumped rubbish removed by Council	634.6	650.6	403.2	267.2	365.13	↓
Tonnes of garden waste collected for composting	568.1	819.2	1046.6	3045	1892.1	↑



Waste and Resource Recovery

RESPONSES TO THESE PRESSURES

Council's Environmental Action Plan 2 (EAP2) was adopted by Council in October 2009 and sets the environmental direction - for both Council and the community. The EAP contains ambitious targets and guides Council in the development of strategic actions and programs aimed at reaching goals over the short and long term. 100% of the Environmental Action Plan programs for waste scheduled in the 2009-10 financial year were completed on time and within budget. These included:

- The Compost Revolution residential home organic composting program;
- Partnering with local electronics retailers to increase recycling of e-waste;
- Waste auditing at Bondi Beach;
- Organic composting trial of materials collected by the beach rake;
- Public place recycling programs at Bondi and Bronte beaches;
- Provision of a battery recycling service for residents;
- Promotion of Food Connect to promote locally grown food to residents;
- Working to increase resource recovery at events.
- Running a tour of recycling facilities with Yeshiva College.

In the 2009-10 financial year, Council ran over 20 community education events related to waste reduction. These included two e-waste collection days, two clothing swaps, a tour of the Visy

recycling plant, Clean Up Australia Day including an internal event on Business Clean Up Day, 36 composting and worm farming workshops and smaller composting/worm farming educational events. Council also supported the Garage Sale Trail with over 120 garage sales registered on the day across the Bondi basin.

Council ran a competition to find artworks to decorate the new waste truck fleet. This was very successful, attracting over 500 entries from primary school-aged children. The artwork is now installed and sending positive waste messages to our community.

Resource Recovery serviced 973,112 red-lidded garbage bins during 2009-10. This resulted in 13,702.4 tonnes of domestic waste being collected. There were 417 missed services reported for the year. This represents 0.04% missed services compared to services provided. During 2009-10, there were 85 requests for additional collections.

Resource Recovery serviced 709,439 recycle bins (391,395 yellow-lidded container recycling bins and 399,044 blue-lidded paper and cardboard recycling bins) during 2009-10. This resulted in 7911.8 tonnes of recycled waste (4,081.4 tonnes of containers and 3,830.4 tonnes of paper and cardboard) being collected. There were 371 missed services reported for the year. This represents 0.04% missed services compared to services provided. During 2009-10, there were 985 requests for additional collections.

Resource Recovery serviced 294,956 green-lidded garden waste

bins during 2009-10. This resulted in 1892.1 tonnes of garden waste being collected. There were 238 missed services reported for the year. This represents 0.08% missed services compared to services provided. During 2009-10, there were 28 requests for additional collections.

Council employs a full-time Waste and Recycling Officer to coordinate and expand educational programs in the community. Waste-related workshops continued this year in partnership with the Eastern Suburbs Community College. School workshops were conducted through Council's Sustainable Schools Program. Workshop topics included Composting and Worm-Farming, and Green Cleaning.

The 2009-10 My Bondi Summer ran from December 2009 to February 2010. The program included the establishment of a temporary water filling station and distribution of free reusable water bottles and shopping bags to residents and visitors. Approximately 37,520L of water was used over the program's period, equal to over 1190 re-used plastic bottles daily. The program was also supplemented by the set up of permanent public place recycling stations at the beach. Installation of new bubblers and bottle refilling stations along the Coastal Walk has also commenced, with several stations now operating at Bondi Beach.

The Waste Minimisation and Resource Recovery Policy for events will be incorporated into the comprehensive review of planning, approving and holding special events in Waverley. This review has commenced and work on the policy



is underway. Waste audits of events were completed and these will better inform the development of the waste management guidelines and plans required for events.

Council has been running workshops in its child care centres to teach three-to-five-year-olds about the importance of recycling. Presenter Nicole Lewis, a waste educator with schools and preschools, teaches the children how to sort waste and what happens to recycling.

Council's beach rake is deployed in the mornings to clean the beaches. On average, the beach rake collects up to 16 cubic metres of rubbish from Bondi, Bronte and Tamarama beaches every week. With the construction of the new mini depot in Bondi Junction, the Beach Rake is now stored closer to our shores so it can start even earlier in the day.

An audit of the rake's collected material was recently conducted and found that nearly 80 percent of what the beach rake collects could be composted. Council trialled composting of the mostly seaweed material to create nutrient rich fertiliser for parks and gardens. While the product produced was of sufficient quality, the cost of running a permanent composting program is prohibitive at this stage.

Council removed the bins from the sand on Bondi Beach to help reduce the impact of windblown litter and scavenging birds. Audit results from the 2010 summer period showed a slight decrease in litter.

Cigarette butts remain a problem despite a no smoking policy on the sand. Council has increased

enforcement of this ban and in 2009-10 delivered an innovative education program including chalk art, posters, advertisements and street performers to convey the no smoking on the sand message to beachgoers.

The Compost Revolution community composting project continued in 2009-10 and was considered successful.

- 580 households participated in the trial.
- Households diverted an average of 3.75kg/week of food waste.
- The project had significant community sustainability outcomes.

Over the past few years many of Council's environmental projects and initiatives have been recognised by its peers. Here are a few of them.

- Keep Australia Beautiful Clean Beach Challenge 2009 – Bondi Beach
- Keep Australia Beautiful Sustainable Cities Award 2009
- Packaging Stewardship Forum Waste Management Award – Lovin' My Bondi Beach Program
- Compost Australia Leadership Award in compost community education – Waverley Council/ Randwick Council Compost Revolution Project.

Resource Recovery had 9200 booked 'Your-call' clean up collections serviced during 2009-10. 188 of these were additional paid collections. This resulted in 1819.34 tonnes of clean up material being collected.

Public Place Cleansing emptied 100% of street litterbins prior to their





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reaching 100% capacity during the fourth quarter 2009-10. There were 218.63 tonnes of waste collected from street litter bins during the quarter. There were two requests for street litterbins to be emptied in that quarter. Public Place Cleansing emptied 98.8% of street litterbins prior to their reaching 100% capacity during the whole of 2009-10. There were 1190.66 tonnes of waste collected from street litter bins during the year. There were five requests for street litterbins to be emptied in the 2009-10 period.

Resource Recovery responded to 3082 Service Desk and additional requests for illegal dumped rubbish removal during 2009-10. This resulted in 358.31 tonnes being removed.

Public Place Cleansing cleaned and maintained all public spaces in accordance with Public Place Cleansing Standards of Service during 2009-10. This resulted in 490.94 tonnes of street litter being collected. There were 265 requests for additional street cleaning.

Measures to keep Bondi Beach clean are paying off, with a decrease in litter left on the beach. Council installed extra waste and recycling bins along the Bondi Promenade, increasing bin capacity by 200%, making it easier for visitors to dispose of general waste as well as recycling their drink containers, cans, plastic, paper and aluminium items.

The Brightest and Best Green Footprint and Golden Bin awards recognise excellence in waste management. Westfield's Centre Manager gave a presentation on waste management initiatives and practices in the centre.

The Graffiti Management Team responded to 246 requests for graffiti removal from private property and 285 requests from Council property (including 52 reported instances in council parks) during 2009-10.

Public Place Cleansing inspected and removed graffiti from the "100 Hot Spots" every Monday and Tuesday on a weekly basis. Offensive graffiti was removed within 24 hours in all cases after being reported. Public Place Cleansing removes all billposters from High Profile areas within 48 hours and all other areas within 20 working days once reported. This removal is recorded and data transferred to the Compliance Division for investigation.

