

Appendix 1 - Assets

The assets listed below are involved in the delivery of Environment Canterbury's services:

1. Civil Defence Emergency Management Group Emergency Co-ordination Centre and emergency communication network
2. Flood and erosion control works
3. Reserves, endowment land and regional parks
4. Protection forestry
5. Public passenger transport electronic systems
6. Hydrological network
7. Groundwater monitoring wells and the lysimeter network.

The following sections describe the assets used, changes in capacity, and the maintenance renewal and replacement work undertaken in 2008/09.

1. Civil Defence Emergency Management Group Emergency Co-ordination Centre and emergency communication network

Assets used

These assets include the purpose-built Emergency Co-ordination Centre (ECC) at 58 Kilmore St, Christchurch, self-contained for power, water supply and sewerage, and the emergency communication radio network operating on the emergency services band to communicate with emergency service agencies in the event that normal telecommunications services are unavailable.

These assets are used in the delivery of services in the Operations activity in the Emergency Management group of activities on page 20.

The current value of these assets is \$1,381,019.

Asset maintenance

Work was undertaken to maintain the emergency communication radio network in an operational condition at all times. Maintenance work was undertaken by Environment Canterbury staff and contractors. The cost of maintenance is met from user charges recovered from the CDEM Group.

Planned expenditure	Actual expenditure
\$10,000	\$6,628

Asset renewal and replacement

While provision for renewal and replacement was made, none was required.

Planned expenditure	Actual expenditure
\$2,000	nil

Changes to asset capacity

No increase in asset capacity was planned and none was required.

Planned expenditure	Actual expenditure
nil	\$7,280

2. Flood and erosion control works

Assets used

These assets include stopbanks, groynes, river control plantings, culverts and floodgates, lateral rock protection, drop structures, drains, roads, tracks, fences and signage. These provide structural protection from flooding to protect life and property, and are an alternative to non-structural land-use controls, such as placing constraints on land use or restricting building. Often a combination of structural and non-structural methods is used. There are 60 flood protection and drainage schemes provided by Environment Canterbury.

These assets are used in the delivery of services in the operations activity in the Hazards group of activities. See page 34.

The current value of these assets is \$361,078,655.

Asset maintenance

Flood and erosion control assets were maintained to the capacity defined in asset management plans. All flood protection and drainage schemes have performed as expected. Maintenance programmes, developed in collaboration with local communities, were undertaken by Environment Canterbury staff and contractors.

The cost was met through a mix of targeted uniform and differential rates, and general rates, and in some rating districts through other income such as rent from leased reserve and endowment land, timber sales from protection forests, grants, and contributions from individual land holders and corporate entities.

Planned expenditure	Actual expenditure
\$7,245,000	\$8,847,395

Asset renewal and replacement

Flood and erosion control assets are maintained in perpetuity at the capacities defined in asset management plans. This means the requirement for renewal and replacement does not arise.

Changes to capacity

Changes in capacity are set out below. The costs were met through a mix of uniform and differential rates, general rates, timber sales from protection forests, and rental income from leased reserve and endowment land.

Waimakariri Flood Protection Project

Design work was carried out and consent hearings were held for the Waimakariri Flood Protection Project.

Planned expenditure	Actual expenditure
\$682,000	\$604,273

Ashley River Stopbank Seepage

The investigation into seepage on the Ashley River stopbanks was completed and no remedial work was considered necessary. A monitoring programme was implemented.

Planned expenditure	Actual expenditure
\$500,000	\$25,424

Ashburton Town Stopbanks

Hearings were held for the Valetta stopbank.

Planned expenditure	Actual expenditure
\$468,000	\$95,716

3. Reserves, endowment land and regional parks

Assets used

These assets include 26,100 ha of reserve and endowment land owned by Environment Canterbury. Most lies within catchment rating districts, with 12,000 ha leased, providing income to fund river control works, and 14,100 ha of mainly natural river bed and river berm that is generally available for public use. The Waimakariri River Regional Park occupies part of this area.

The 12,000 ha is leased in 331 separate leases or licences from which a total annual rent of \$2,593,000 is received. Rentals are reviewed at regular intervals under the tenancy conditions.

These assets are used in the delivery of services in the Operations activity in both the Hazards and Land groups of activities.

Asset maintenance

Work undertaken includes lease and land management, rental assessment, controlling fire hazard and animal and plant pests, enhancing biodiversity, protecting habitats, and in the Waimakariri River and Lake Tekapo Regional Parks, maintaining recreational facilities. Much of this land is in a natural state. Maintenance work was undertaken by Environment Canterbury staff and contractors. The cost was met through a mix of targeted uniform and differential rates, general rates, timber sales, grants and lease rentals. Note: maintaining leased land is the responsibility of lessees.

Planned expenditure	Actual expenditure
\$1,362,000	\$1,651,316

Asset renewal and replacement

None was planned or undertaken.

Changes to asset capacity

Within the Waimakariri Regional Park a 5 km extension was added to the McLeans Forest mountain bike track. The Kaiapoi Island Trail Bike Park was redeveloped to provide car parking and separate secure areas for families and beginners as well as intermediate and advanced riders. The Lake Tekapo Regional Park was established during the year.

The cost was met through a mix of targeted uniform and differential rates, general rates, timber sales, grants and lease rentals.

Planned expenditure	Actual expenditure
\$250,000	\$69,211

4. Protection forestry

Assets used

These assets include 2,700 ha of forests grown on erosion-prone reserve and endowment land, to either reduce the risk of erosion or as part of various river protection systems. Most of this land would normally be considered marginal for production forestry. While the primary purpose of the plantings is to reduce the risk of erosion or for river protection, timber harvested from stands that survive to maturity generates income to help fund river control works and the management of reserve and endowment land generally.

These assets are used in the delivery of services in the Operations activity in both the Hazards and Land groups of activities. See pages 24 and 28.

The current value of these assets is \$3,946,682.

Asset maintenance (including replanting)

Work undertaken included forest management, silviculture, controlling fire hazard, controlling animal and plant pests and harvesting. Forest management was undertaken by Environment Canterbury staff, with silviculture, controlling fire hazard, controlling animal and plant pests, harvesting and replanting undertaken by contractors. The cost of maintaining and replanting protection forestry was met through a mix of targeted differential and uniform rates, general rates, rental income from leased reserve and endowment land, and timber sales.

Planned expenditure	Actual expenditure
\$252,000	\$317,771

Changes to asset capacity

No increase in asset capacity was planned and none was required.

5. Public passenger transport electronic systems

Assets used

These assets include a number of electronic systems that manage Metrocard payments, measure real-time bus frequency, and “bus finders” that display arrival and departure time at the Christchurch and Timaru Bus Exchanges and key bus stops.

These assets are used in the delivery of services in the Operations activity in Public Passenger Transport group of activities. See page 42.

The current value of these assets is \$426,554.

Asset maintenance

Work was undertaken to maintain all systems in an operational condition. Technical work was undertaken by contractors. The cost, which included depreciation and cost of capital, was met through a mix of targeted rates and Government grant.

Planned expenditure	Actual expenditure
\$640,000	\$614,952

Asset renewal and replacement

An LCD screen at the bus exchange was replaced during the year. This work was undertaken by contractors and the cost was met through a mix of targeted rates and Government grant.

Planned expenditure	Actual expenditure
\$7,000	\$5,619

Changes to asset capacity

Work was completed on installing 5 “bus finders”. Work also continued on the ticketing system upgrade. This work was undertaken by contractors and the cost was met through a mix of targeted rates and Government grant.

Planned expenditure	Actual expenditure
\$20,000	\$29,109

6. Hydrological network

Assets used

These assets include rain gauges, river-flow gauging towers and equipment, data recorders and telemetry equipment at 68 rainfall sites (65 of which are telemetered) and 104 river sites (67 of which are telemetered). Information from the rainfall and river-flow gauging system is either telemetered automatically via radio and telephone links to Environment Canterbury's offices, or is collected manually. The system provides information for early warning of impending floods and about river flows during floods, as well as the water resource generally for developing policy and managing abstractions from rivers, particularly at times of low river flows when water restrictions are often required.

Being sited in riverbeds, this equipment is prone to damage during floods and vandalism and frequently requires replacement sooner than would otherwise be required.

These assets are used in the delivery of services in the Operations activity in the Hazards group of activities, and the Monitoring and Regulating and Enforcing activities in the Water Quantity, Quality and Ecosystems group of activities. See pages 24 and 54.

The current value of these assets is \$767,006.

Asset maintenance

Work was undertaken to maintain all sites in an operational condition at all times. Equipment at the Okuku at School, French Farm Stream at French Farm Valley Road, Mt Hutt, Clayton, Kimbell and Kimbrace were upgraded and general maintenance work was carried out at sites that required repairs. Maintenance work was undertaken by Environment Canterbury staff and contractors. The cost of maintenance, which includes annual depreciation and cost of capital charges, was met from general rates.

Planned expenditure	Actual expenditure
\$133,000	\$138,987

Asset renewal and replacement

General work was undertaken at a number of sites that required attention. This work was undertaken by Environment Canterbury staff and by contractors. The cost was met from the capital asset reserve.

Planned expenditure	Actual expenditure
\$85,000	\$208,455

Changes to asset capacity

While two new telemetered river-flow gauging sites were planned, increased demand for water resource information required installation of six new river flow gauging sites on the Kowhai River, Siverstream, Greigs Drain, Cust River, Coopers Creek and Taranaki Stream. Because of the remoteness, telemetry was only installed at one of these sites; data from them will be collected manually. Rainfall telemetry equipment was installed at Erewhon Station to improve the flood warning for the area. Installation was undertaken by Environment Canterbury staff. The cost was met from the capital asset reserve.

Planned expenditure	Actual expenditure
\$38,000	\$148,799

7. Groundwater monitoring wells and the lysimeter network

Assets used

These assets include 139 groundwater monitoring wells to provide information about groundwater levels and pressures required to manage the groundwater resource, 5 lysimeters to measure groundwater recharge and 1 climate station. Information is telemetered automatically via radio and telephone links to Environment Canterbury's offices.

These assets are used in the delivery of services in the Monitoring activity in Water Quantity, Quality and Ecosystems group of activities. See page 54.

The current value of these assets is \$1,090,867.

Asset maintenance

Work was undertaken to maintain all sites in an operational condition. Maintenance work was undertaken by Environment Canterbury staff and by contractors. The cost of maintenance, which includes depreciation and cost of capital charges, is met through general rates.

Planned expenditure	Actual expenditure
\$209,000	\$199,404

Asset renewal and replacement

Worn-out equipment was replaced at a number of sites. This work was undertaken by Environment Canterbury staff and by contractors. The cost was met from the capital asset reserve.

Planned expenditure	Actual expenditure
\$31,000	\$58,405


Changes to asset capacity

A multipiezometer well in the Rakaia-Selwyn allocation zone, which was started in 2007/08, was completed. Five bores were installed in the Mackenzie Basin to support groundwater quality monitoring along with two additional water level monitoring bores in the Hinds area. A deep coastal bore at Kyle was started which will be completed in 2009/10. Design and supervision was undertaken by Environment Canterbury staff, with site work undertaken by contractors. The cost was met from the capital asset reserve.

Planned expenditure	Actual expenditure
\$133,000	\$169,993

Appendix 2- Community outcomes and well-beings: Key influencing organisations and measures

Appendix 2 lists the key organisations contributing to the achievement of community outcomes, the key measures that are used to assess progress towards achieving the outcomes, the data source and reporting frequency. Environment Canterbury's contributions to community outcomes are shown in green.

Social well-being 'Living the good life in Canterbury' 	
Social community outcome: Healthcare	
Good healthcare for all	
Key organisations	Key measures
<ul style="list-style-type: none"> District Health Board Ministry of Health 	<p>Access to GPs and specialists Average time to see a GP or specialist. <i>District Health Boards and Primary Health Organisations - annual.</i></p> <p>Mortality rates Per 100,000 people by age, ethnicity and income. <i>Health Information Service - annual.</i></p> <p>Infant Mortality Rate of infant mortality per 1000 live births by ethnicity and gender. <i>NZ Health Information Service - annual.</i></p> <p>Life expectancy At birth by gender and ethnicity. <i>Statistics NZ - five yearly.</i></p> <p>Healthy lifestyles Rate of Type 2 Diabetes per 1000 and ethnicity. <i>Primary Health Organisations - annual.</i></p>
Social community outcome: Education	
Everyone has access to good education	
Key organisations	Key measures
<ul style="list-style-type: none"> Ministry of Education 	<p>Highest qualification gained Number and percentage of population 15 years and over within highest qualification categories by age and ethnicity. <i>Census - Statistics NZ - five yearly.</i></p> <p>Literacy and numeracy Percentage of school leavers without eight core literacy and numeracy skills at NCEA level 1. <i>Ministry of Education - annual.</i></p> <p>No qualifications Percentage of school leavers with no qualification. <i>Ministry of Education - annual.</i></p> <p>Early childhood education Percentage of children entering school as new entrants who have come from an early childhood education centre by type of service, including preschool, kindergarten, te kohanga reo. <i>Ministry of Education - annual.</i></p>

Social community outcome: Public safety	
People feel safe at all times	
Key organisations	Key measures
<ul style="list-style-type: none"> NZ Police Canterbury Civil Defence Emergency Management Group Environment Canterbury 	<p>Crime levels Total offences: Total crime per 10,000 people and broken down by offence against number of resolved crimes. <i>NZ Police - annual.</i></p> <p>Confidence in police and justice system Perception survey. <i>Christchurch City Council, Quality of Life Survey - biennial and regional omnibus survey - three yearly.</i></p> <p>Perceptions of safety Surveyed perceptions of safety. <i>Christchurch City Council, Quality of Life Survey - biennial and regional omnibus survey - three yearly.</i></p> <p>Hazard identification Progress made on investigating flood and earthquake hazards. <i>Environment Canterbury - annual.</i></p> <p>Flood protection and drainage schemes The percentage of schemes that perform as designed during flood events. <i>Environment Canterbury - annual.</i></p> <p>Flood information Police, Civil Defence Emergency Management Controllers, radio stations and territorial authorities rating of the information provided during floods. <i>Environment Canterbury - annual.</i></p> <p>Navigation safety The number of reported navigation safety incidents in harbours and inland waters. <i>Environment Canterbury - annual.</i></p> <p>Emergency readiness The level of co-ordination among the Civil Defence Emergency Management Group, territorial authorities, Environment Canterbury and response agencies. <i>Canterbury Civil Defence Emergency Management Group - annual.</i></p> <p>Emergency response The state of readiness of the Group Emergency Co-ordination Centre (ECC), alternative ECC, and emergency communications network. <i>Canterbury Civil Defence Emergency Management Group - annual.</i></p>

Social community outcome: Community services	
Community services that meet people's needs	
Key organisation	Key measures
<ul style="list-style-type: none"> Ministry of Social Development 	<p>Income support Total number of means-tested benefits. <i>Work and Income, Ministry of Social Development - annual.</i></p> <p>Deprivation index Percentage of population of city or town living in meshblocks of NZ Deprivation Index - Deciles 1 least deprived to 10 most deprived. <i>Health Services Research Council - annual.</i></p>
Social community outcome: Housing	
Everyone has access to acceptable standards of housing	
Key organisations	Key measures
<ul style="list-style-type: none"> Ministry of Social Development Housing New Zealand 	<p>Housing affordability Percentage of households with housing costs that are at least 25%, 35% and 40% of total net household income by tenure. <i>Household Economic Survey - Statistics NZ - three yearly.</i></p> <p>Housing assistance Proportion of people receiving the Accommodation Supplement by age, gender, ethnicity and family type. <i>Ministry of Social Development - annual.</i></p>
Social community outcome: Transportation	
Transport and travel needs are met	
Key organisations	Key measures
<ul style="list-style-type: none"> Environment Canterbury Territorial Authorities 	<p>Traffic congestion Annual total public passenger trips for Canterbury. <i>Environment Canterbury - annual.</i></p> <p>Passenger satisfaction Passenger rating of value for money and level of service. <i>Environment Canterbury - annual.</i></p> <p>Community satisfaction Residents' views of whether public transport is affordable. <i>Environment Canterbury - annual.</i></p> <p>Total Mobility services Transport-disadvantaged people's rating of the level of service and value for money for services in Christchurch, Ashburton, Waimate and Timaru.</p>

Social community outcome: Accessibility	
<i>Easy to travel around Canterbury's cities and towns and easy access to shops and other community services</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> New Zealand Transport Agency Environment Canterbury 	<p>Road safety: Reductions in: Annual rate of road crash deaths per 100,000 population. Annual rate of hospitalisations for serious injuries from road crashes per 100,000 population. Estimated social cost of road crashes. <i>New Zealand Transport Agency – annual.</i></p> <p>Total Mobility services Transport-disadvantaged people's rating of the level of service and value for money for services in Christchurch, Ashburton, Waimate and Timaru. <i>Environment Canterbury – annual.</i></p>

Economic well-being 'Prospering in Canterbury' 

Economic community outcome: Income	
<i>Incomes provide good standard of living</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Ministry of Economic Development Ministry of Social Development 	<p>Median income Median household, family, personal income adjusted by CPI by employment status, gender and ethnicity. <i>Statistics NZ - five yearly.</i></p> <p>Income distribution Percentage of households that are in the top and bottom national household income quintiles. <i>Statistics NZ - Household labour force survey - quarterly and Census five yearly.</i></p> <p>Sources of income Including percentage of families receiving income support by type of benefit. <i>Statistics NZ - Household labour force survey - quarterly and Census five yearly.</i></p>

Economic community outcome: Employment	
<i>People in work</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Ministry of Social Development Department of Labour 	<p>Employment - full and part time Proportion of working age population currently in full and part-time employment by industry grouping. <i>Statistics NZ - Census five yearly.</i></p> <p>Unemployment Unemployment rate by age, gender and ethnicity. <i>Statistics NZ - Household labour force survey - quarterly and Census five yearly.</i></p> <p>Mature registered unemployed Percentage of mature people registered unemployed (40+, 40-49, 50-54, 55-59, 60+ years). <i>Work and Income New Zealand and Canterbury Development Corporation Employment Snapshot - quarterly.</i></p>

Economic community outcome: Economy	
<i>A strong economy</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Environment Canterbury Ministry of Economic Development Canterbury Development Corporation Canterbury Employers' Chamber of Commerce New Zealand Trade and Enterprise Canterbury Manufacturers' Association 	<p>Plant pests The number of sites infested with total control plants where seed is set. The number of nassella tussock plants per hectare (based on randomly located transects). <i>Environment Canterbury – annual.</i></p> <p>Animal pests The number of rooks. The number of properties within the wallaby containment area, where wallaby levels exceed level 3 on the Guilford wallaby infestation scale, with no control programme in place. The number of properties, where rabbit levels exceed level 3 on the modified McLean scale, with no control programme in place. <i>Environment Canterbury - annual.</i></p> <p>Bioresecurity The number of new unwanted plant pests becoming established in the Canterbury region. <i>Environment Canterbury - annual.</i></p> <p>Bovine Tb The number of cattle and deer herds infected with bovine Tb. <i>Animal Health Board - annual.</i></p> <p>Navigation safety The number of reported navigation safety incidents in harbours and inland waters. <i>Environment Canterbury - annual.</i></p>

	<p>Groundwater Progress on establishing sustainable allocation limits for key groundwater allocation zones. <i>Environment Canterbury – annual.</i></p> <p>Environmental flows Progress made on reviewing of environmental flows on key rivers and streams. <i>Environment Canterbury – annual.</i></p> <p>Road safety Number of road crash deaths. <i>Environment Canterbury – annual.</i></p> <p>Economic activity Regional economic activity index. <i>National Bank - quarterly.</i></p> <p>Performance of manufacturing index. <i>Business NZ and ANZ - monthly.</i></p> <p>Tonnage of annual exports from Lyttleton and Timaru ports and Christchurch airport. <i>Statistics NZ - annual.</i></p> <p>Economic growth Percentage economic growth. <i>Canterbury Development Corporation Economic Snapshot - six monthly.</i></p> <p>Job vacancies Regional job vacancy rates. <i>ANZ Bank - quarterly.</i></p>
--	---

Social community outcome: Alternatives	
<i>Alternatives for moving people and freight</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> New Zealand Transport Agency Environment Canterbury 	<p>Modes of transport Percentage of people using various modes of transport on Census day. <i>Statistics NZ - quarterly and Census five yearly</i></p> <p>Public passenger transport Annual total passenger trips for Canterbury. <i>Environment Canterbury – annual.</i></p>

Environmental well-being 'Prospering in Canterbury'



Environmental community outcome: Water

Water is in a healthy condition, clean and enough to support life

Key organisation	Key measures
<ul style="list-style-type: none"> Environment Canterbury 	<p>Nitrates Concentrations of nitrate in groundwater. <i>Environment Canterbury – annual.</i></p> <p>Water quality The percentage of selected bathing sites at rivers and lakes that are suitable for contact recreation, all or most of the time. <i>Environment Canterbury – annual.</i></p> <p>Aquatic health The percentage of lowland and foothill streams with fair or better ecosystem health. <i>Environment Canterbury – annual.</i></p> <p>Resource users The percentage of resource consent applications processed in compliance with the statutory time frames set out in the Resource Management Act 1991. <i>Environment Canterbury – annual.</i></p> <p>Environmental flows Progress made on reviewing of environmental flows on key rivers and streams. <i>Environment Canterbury – annual.</i></p>

Environmental community outcome: Air, beaches, ocean and land

Air, beaches, ocean and land are all in a healthy condition

Key organisation	Key measures
<ul style="list-style-type: none"> Environment Canterbury 	<p>Air quality Meeting National Environment Standards for PM₁₀ concentrations in Christchurch, Kaiapoi, Rangiora, Timaru, Ashburton, Geraldine and Waimate to ensure compliance with National Environmental Standards. Measuring CO, NO₂, SO₂ concentrations to ensure compliance with National Environmental Standards. <i>Environment Canterbury – annual.</i></p> <p>Wallabies The number of properties within the wallaby containment area, where wallaby levels exceed level 3 on the Guilford wallaby infestation scale, with no control programme in place. The number of wallaby populations reported establishing outside the wallaby containment area. <i>Environment Canterbury – annual.</i></p> <p>Hazardous substances The number of businesses that receive a site assessment and guidance on pollution prevention each year. The number of territorial authorities that have completed the Canterbury Targeted Agrichemical collection programme. <i>Environment Canterbury – annual.</i></p> <p>Contaminated sites The number of territorial authorities where all land with activities listed on the Hazardous Activities and Industries List has been identified as registered and screened for risk. <i>Environment Canterbury – annual.</i></p> <p>Groundwater Progress on establishing sustainable allocation limits for key groundwater allocation zones. <i>Environment Canterbury – annual.</i></p> <p>Aquatic health The percentage of lowland and foothill streams with fair or better ecosystem health. <i>Environment Canterbury – annual.</i></p> <p>Environmental flows Progress made on reviewing of environmental flows on key rivers and streams. <i>Environment Canterbury – annual.</i></p> <p>Energy Key agencies rating of how Environment Canterbury is working with them in improving energy efficiency. <i>Environment Canterbury – annual.</i></p> <p>Land Provision of soil quality and erosion information. <i>Environment Canterbury – annual.</i></p>

Environmental community outcome: Rural land

Rural land is mainly for farming and horticulture

Key organisations	Key measures
<ul style="list-style-type: none"> Territorial authorities Environment Canterbury 	<p>Land Provision of soil quality and erosion information. <i>Environment Canterbury – annual.</i></p> <p>Land use Area of the major farming or horticulture land use classes, e.g. dairy, arable for each district in the region. <i>Valuation data and AgriBase data – annual.</i></p> <p>Land use change Change of rural land to non-farming use as measured by identifying subdivision of rural land to smallholdings. <i>Territorial authorities – annual.</i></p> <p>Clean Heat The total number of homes in Christchurch, Timaru, Kaiapoi, Rangiora, Ashburton, Geraldine and Waimate airsheds converting to cleaner forms of home heating through the Clean Heat Project, (excluding voluntary conversions and conversions funded by additional rating revenue or alternative sources). <i>Environment Canterbury – annual.</i></p> <p>Beaches and ocean The percentage of monitored beaches complying with the Microbiological Water Quality Guidelines for Marine and Freshwater Recreational Areas during the summer recreational season, all or most of the time. <i>Environment Canterbury – annual.</i></p> <p>Land Soil quality factors for Canterbury land uses Area of land receiving effective protection from wind erosion. <i>Environment Canterbury – annual.</i></p>

Environmental community outcome: Sustainable business and farming	
<i>Business and farming activities do not harm the environment</i>	
Key organisation	Key measures
<ul style="list-style-type: none"> Environment Canterbury 	<p>Resource Consents The percentage of resource consent applications processed in compliance with the statutory time frames set down in the Resource Management Act 1991. The percentage of significant non-compliances resolved. <i>Environment Canterbury – annual.</i></p> <p>Hazardous substances The number of sites that receive a site assessment and guidance on pollution prevention each year. The number of territorial authorities that have completed the Canterbury Targeted Agrichemical collection programme. <i>Environment Canterbury – annual.</i></p> <p>Contaminated sites The number of territorial authorities where all land with activities listed on the Hazardous Activities and Industries List has been identified as registered and screened for risk. <i>Environment Canterbury – annual.</i></p>
Environmental community outcome: Environment	
<i>Environment, in general, to be looked after</i>	
Key organisation	Key measures
<ul style="list-style-type: none"> Environment Canterbury 	<p>Boneseed The area outside the Port Hills zone infested with boneseed subject to control plan to prevent seed setting. <i>Environment Canterbury - annual.</i></p>

Environmental community outcome: Native plants and animals	
<i>Native plants and animals can thrive</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Environment Canterbury QE II National Trust Territorial authorities Department of Conservation 	<p>Aquatic health The percentage of lowland and foothill streams with fair or better ecosystem health. <i>Environment Canterbury – annual.</i></p> <p>Environmental flows Progress made on reviewing of environmental flows on key rivers and streams. <i>Environment Canterbury – annual.</i></p> <p>Boneseed The area outside the Port Hills zone infested with boneseed subject to control plan to prevent seed setting. <i>Environment Canterbury – annual.</i></p> <p>Wallabies The number of properties within the wallaby containment area, where wallaby levels exceed level 3 on the Guilford wallaby infestation scale, with no control programme in place. The number of wallaby populations reported establishing outside the wallaby containment area. <i>Environment Canterbury – annual.</i></p> <p>Biodiversity The area of indigenous vegetation cover remaining in Canterbury's threatened environments. <i>Environment Canterbury – annual.</i></p>

Cultural well-being 'Vibrant exciting Canterbury'	
	
Cultural community outcome: Diversity	
<i>A good place to live for all cultures</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Ministry of Social Development Christchurch City Council 	<p>Perceptions of ethnic diversity Quality of life survey. <i>CCC annual residents' survey and regional omnibus survey - three yearly.</i></p> <p>Maori ancestry and iwi affiliation Proportion of the Maori population by ancestry and iwi affiliation. <i>Statistics NZ - Census five yearly.</i></p> <p>First language speakers Proportion of people who can speak the first language of their ethnic group by birthplace. <i>Statistics NZ - Census five yearly.</i></p>
Cultural community outcome: Sport and recreation	
<i>Opportunity to participate in sport and recreation</i>	
Key organisations	Key measure
<ul style="list-style-type: none"> Territorial authorities Ministry of Sport and Recreation 	<p>Sport and recreation facilities Number of visits to council-owned sport and recreation facilities (sports grounds, stadiums and swimming pools). <i>CCC residents' survey - three yearly and regional omnibus survey - three yearly.</i></p>
Cultural community outcome: Parks and reserves	
<i>Public parks and reserves are plentiful</i>	
Key organisation	Key measure
<ul style="list-style-type: none"> Territorial authorities 	<p>Public open space Hectares of public open space per 1000 people in region. <i>Territorial authorities - annual.</i></p>

Cultural community outcome: Open spaces and wilderness areas	
<i>Access to open spaces and wilderness areas</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Department of Conservation Territorial authorities 	<p>Open spaces and wilderness areas Hectares of national parks, forest parks and river margins within the Canterbury conservancy that are accessible to the public. <i>Department of Conservation - annual.</i></p> <p>Access Perception of access to open spaces and wilderness areas. <i>Regional omnibus survey - three yearly.</i></p> <p>Satisfaction Visitor overall satisfaction with visit to DOC site. <i>Department of Conservation - annual survey.</i></p>
Cultural community outcome: Recreation	
<i>Recreational needs are met</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Environment Canterbury Ministry of Sport and Recreation Territorial authorities Fish and Game Councils 	<p>Open space Users' enjoyment of the open space leisure opportunities available in the Waimakariri River Regional Park. <i>Environment Canterbury – annual.</i></p> <p>Navigation safety The number of reported navigation safety incidents in harbours and inland waters. <i>Environment Canterbury - annual.</i></p> <p>Recreation needs Perception of recreation needs are being met. <i>Ministry of Sport and Recreation - three yearly.</i></p> <p>Barriers to participation Perception of barriers to participation in leisure activities. <i>CCC residents' survey - biennial and regional omnibus survey - three yearly.</i></p> <p>Water quality The percentage of selected bathing sites at rivers and lakes that are suitable for contact recreation, all or most of the time. The percentage of monitored beaches complying with the Microbiological Water Quality Guidelines for Marine and Freshwater Recreational Areas during the summer recreational season, all or most of the time. <i>Environment Canterbury – annual.</i></p> <p>Level of angler use and satisfaction with lakes and rivers. <i>Fish and Game Council - three yearly.</i></p>

Cultural community outcome: Arts and culture	
<i>Opportunity to participate in arts/cultural activities</i>	
Key organisations	Key measures
<ul style="list-style-type: none"> Ministry for Culture and Heritage Christchurch City Council and other territorial authorities 	<p>Taking part in the arts Perception of ease to participate in the arts <i>CCC residents' survey – Biennial and regional omnibus survey - three yearly.</i></p> <p>Cultural activities Top cultural activities in last 12 months. <i>Statistics NZ - Census five yearly.</i></p> <p>Cultural employment Total number of people in paid cultural employment and median income of cultural occupations. <i>Statistics NZ - Census five yearly.</i></p>
Cultural community outcome: Attractive places to live in	
<i>Canterbury has attractive places to live in</i>	
Key organisation	Key measures
<ul style="list-style-type: none"> Territorial authorities 	<p>Perceptions of look and feel of the city and region <i>CCC annual residents' survey and regional omnibus survey.</i></p> <p>Quality of life Perception of overall quality of life <i>CCC residents' survey - biennial and regional omnibus survey.</i></p>
Cultural community outcome: Heritage protection	
<i>Heritage buildings and sites are protected</i>	
Key organisation	Key measure
<ul style="list-style-type: none"> Territorial authorities 	<p>Heritage buildings and sites Number of heritage buildings and sites retained on heritage records. <i>Heritage records - Territorial authorities - annual.</i></p>