

**ENVIRONMENTAL SERVICES COMMITTEE MEETING  
HELD ON WEDNESDAY 16 FEBRUARY 2011 IN  
MEMORIAL HALL SUPPER ROOM, ESPLANADE,  
KAIKOURA.**

**AGENDA**

*1. Apologies*

*2. Matters of Importance to be raised as Urgent Business*

*3. Matters Arising from the Report of 15/12/2010* *page 86*

*4. Minutes Action & Issues List Update*

<b>MEETING</b>	<b>ACTION REQUIRED</b>	<b>BY</b>	<b>DATE ACTIONED</b>
	<i>15 DECEMBER 2010</i>		
Environmental Services	Provide the number of building consents issued for dwellings in 2010.	Senior Building Control Officer	148 consents were issued with 23 for new dwellings.

*5. Environmental Services Report* *page 26*

- *Dog/Stock/Noise Control & Security*
- *Building*
- *Resource Planning*
- *Resource Consent Update List*
- *District Planning & Environmental Planning*
- *Biodiversity & Environmental Projects*
- *Environmental Health*
- *Environmental Services Budget Report*

*page 45*

*6. Urgent Business*

## • **Dog/Stock/Noise Control & Security**

### **Dog Control**

1. In January we dealt with a total of twenty seven complaints
2. Most were for roaming dogs and four were located and returned via identification on the collars using the National Dog Database. One was held until the owner returned to Kaikoura as they had been reported missing and the owner had returned to Christchurch.
3. Three calls related to dogs being left either in vehicles or in one case in a house for a number of days during the hot weather. All were attended, one vehicle had left prior to us attending the other owners returned as we arrived and they were spoken to. The last matter the Police were involved with to locate the owners of the house. The dog inside had water and food but the situation was not ideal.
4. A complaint regarding a dog rushing a tourist was made via the Police relating to an address on Beach Road, the complainant left no contact details so I could not get a statement for possible further action. The owner of the dog was spoken to and admitted what had happened. The result was the dog has been relocated to a rural property more suitable for the dog.

### **Stock Control**

1. No stock calls were received.

### **Noise Control**

1. Ten complaint regarding noise were attended, several relating to one address at a group of flats in Avoca Street. An abatement notice was issued on one occasion, as well as the Police being called regarding an unrelated issue at the address. The owner of the property has made contact with me and discussed the matter. The others were one off matters, all responded to being spoken to and no further complaints were received. One issue relating to an address in Peketa was raised via a written complaint to Council, we had attended the address and spoken with the occupants and they had reduced the noise. We were unaware that the levels had been increased after leaving so no further action was taken. The address is a large shed that is used as some sort of Bach over the holiday period. As such it does not damper sound that is inside or when they are sitting outside of course.

## • **Building**

There were 13 Building Consents with a combined construction value of \$859,030 issued for the month of December 2010 and 4 Building Consents with a combined construction value of \$428,500 for the month of January 2011. These consents were for:-

### **DECEMBER 2010**

Dwelling x 2  
Dwelling + Garage  
Small alteration to dwelling  
Outdoor shelter area  
Move sign on property  
Garage  
Sewer connection  
Fitout hair salon  
Septic system  
Bedroom extension to dwelling  
Lean to off dwelling  
Masport inbuilt fire

### **JANUARY 2011**

Install solar panel for HWC in dwelling  
Single storey dwelling  
Residential garage  
Connect sewer to existing lateral

There were 24 Code Compliance Certificates issued in the reporting period.

There were 7 Land Information Memorandums issued in December 2010 and 10 in January 2011.

We currently have 13 building consents on hold waiting for further information. Unfortunately we are increasingly receiving applications which have significant levels of required detail and information missing and/or are incomplete. This is slowing the consent process down significantly. The majority of consents on hold are for new dwellings, enquiries into future projects have picked up and are being prepared to be submitted to Council for consenting, some include commercial buildings. We have recently issued a large consent for a motel in Yarmouth Street.

We continue to maintain our statutory requirements in issuing compliant applications within the specified time frames.

## • **Resource Planning**

### **Resource Consent Update: From the 8<sup>th</sup> December 2010 to the 7<sup>th</sup> February 2011.**

12 new applications were lodged during this period. 10 applications were for land use consents, and two for 2 lot subdivisions. The number of planning consent applications is increasing and general enquires are increasing.

#### **Notified Consents**

South Bay Development, South Bay Parade- Subdivision 23 residential allotments –notification closes on the 8<sup>th</sup> of February 2011.

HA & PM Stone, State Highway 1, Oaro- Subdivision and Land Use - creation of two new allotments at State Highway 1, Oaro in an outstanding landscape area –notification closes on the 8<sup>th</sup> of March 2011.

Marine Hotels Ltd, 191 Beach Road- Land use – addition of accommodation units-notification has closed with 3 submissions received in oppositions. The application is on hold pending payment of fees for notified consent. .

#### **Monitoring**

Monitoring of consent applications and complaints is ongoing. The District Plan requires that all visitors' accommodation within the residential zone requires resource consent. Council staff is currently working with property owners to obtain resource consents for non-consented visitor accommodation.

## • Resource Consent List Update

RESOURCE CONSENT UPDATE LIST FOR THE PERIOD FROM THE 8<sup>th</sup> DECEMBER 2010 TO THE 7<sup>th</sup> FEBRUARY 2011.

Resource consents decisions issued:

Type of Consent	Applicant	Address of Activity	Number of Lots / Guests
Visitor Accommodation 4 & under	Brett Kennedy	19 Sthbay Parade	4
Visitor Accommodation 4 guests	J Woods	215 Bay Paddock Rd	4
Earthworks in Archaeological Site	Klaus Prusas & Mark Whitby Webb	25 Kaka Rd, Sthbay	
Visitor Accommodation 6 guests	J Woods	Waiiau Toa Rd	6
Visitor Accommodation 4 and under	Tresori Holdings 2004 Ltd	10a Takahanga Terrace	4
Visitor Accommodation 11 guests	RJE Todhunter	277 Scarborough Street	11
Upgrade lines	Mainpower NZ Ltd	Ngai Tahu Reserve, Oaro	

Active consent applications currently in process:

Type of Consent	Applicant	Address of Activity
Land use to exceed height for dwelling	Stephen J & Lynette Rita Wilks	306 Scarborough St
Land use to exceeds site coverage	Kowleigh Trust	31 Shearwater Drive
2 Lot Subdivision & land use to build in flood zone	R N Boyd	85 Mill Road
2 Lot subdivision	JR & NG Smith	Dairy Farm Road
Land use for commercial activity in residential zone	Dolphin Encounter Partnership	22 Moa Rd
Land use for earthworks in archaeological area	Wayne Anderson Electrical	Whakatu Lane
Land use – For commercial use of existing non-commercial Golf Course	Koura Bay Kaikoura Limited	Koura Bay Drive
Subdivision and Lane Use creation of two new allotments at State Highway 1 Oaro	HA & PM Stone	State Highway 1 Oaro

Subdivision 23 residential allotments	South Bay Dev.	South Bay Parade
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Consent applications awaiting receipt of further information requested from applicant or on hold:

Type of Consent	Applicant	Address of Activity
Land use – addition of accommodation units	Marine Hotels Ltd	191 Beach Road
Land use Visitor Accommodation 8 guests	J Woods	911 Blue Duck Valley Rd
10 Lot Subdivision & Land Use	2 Crush NZ Ltd	Mt Fyffe Road
Visitor Accommodation 4 & under	The Gardners Limited	5 Brighton Street
4 Lot subdivision	Cedar Properties Marlborough Ltd	State Highway 1, Mangamaunu
2 lot subdivision	Tormar Holdings Ltd	Cnr Margate & Torquay Streets
Boundary adjustment	Kaikoura District Council	Maui Street
Sign Consent	The Woolshed - Davidson	Beach Road
Signs Consent	Wilson*	State Highway 1, Hapuku
Subdivision- Separation of existing title	Matariki Farms	State Highway 1 Clarence
Subdivision: 2 lot subdivision & dwellings	Reardon SJ & AR	19 Old Beach Rd
Visitor accommodation 2 guests and non-compliance with height standard	N Mitchell	13 Swyncombe Place

Consent applications subject to appeal under sections 120 and 358 of the Resource Management Act:

Type of Consent	Applicant	Address of Activity
NONE		

Consent applications subject to objections under section 357 of the Resource Management Act:

Type of Consent	Applicant	Address of Activity
NONE		

Consent Applications declined:

Type of Consent	Applicant	Address of Activity
NONE		

Consents withdrawn:

Type of Consent	Applicant	Address of Activity
NONE		

Consents returned as incomplete:

Type of Consent	Applicant	Address of Activity
NONE		

Consent applications subject to application for declaration under section 311 of the Resource Management Act: Nil

\* Denotes Retrospective Consent

## • **District & Environmental Planning**

**District Plan & Environmental Planning Report covering from January to 8<sup>th</sup> February 2011**

### **National Policy Statements**

Draft New Zealand Energy Strategy and Draft New Zealand Energy Efficiency and Conservation Strategy

This submission has been lodged but no date for a hearing has been set.

### **New Zealand Coastal and Marine Areas Bill**

No further progress has been made on this Bill. Any changes will be reported to Council.

### **Canterbury Regional Council**

Natural Resources Regional Plan (NRRP)

The impact of the NRRP on Kaikoura is being worked through. Training has been offered by the Canterbury Regional Council. There may be some aspects of the NRRP which may be of interest to the Council and staff will ensure that Councillors are aware of any training proposed on the NRRP.

Regional Coastal Environment Plan

A formal decision has now been supplied to Environment Canterbury by the external Commissioner who heard the Plan Change Application. The decision will have to be adopted in a formal Council meeting before it is released to the public.

Regional Land Transport Strategy (RLTS)

A presentation will be given today at 2.30pm by the Canterbury Regional Council. The strategy is still currently being drafted.

Canterbury Regional Policy Statement (CRPS)

Council staff attended a meeting with Commissioner Professor Skelton and the CRPS drafting team on the 2<sup>nd</sup> February 2011. Discussion focused on four main areas which are of concern to the Territorial Authorities within the Canterbury Region being:

1. Chapter 6 Land Use and Infrastructure
2. Chapter 9 Ecosystems and Indigenous Biodiversity
3. Chapter 12 Landscape
4. Chapter 13 Historic Heritage

In very basic summary the concerns for the areas are as follows:

Chapter 6 – Allowing the districts outside of the greater Christchurch area to develop.

Chapter 9 – Defining what criteria should be used and the use of rules vs. education and advocacy.

Chapter 12 – Ensuring that landscapes are not mapped as part of the CRPS.

Chapter 13 – There remains concern over the inclusion of a policy on cultural and heritage landscapes.

No parties may appeal the CRPS to the Environment Court. The final document for submission will be released 1<sup>st</sup> April with submissions closing after 40 working days. It is hoped that the Canterbury Territorial Authorities will be able to resolve these issues prior to notification however this appears unlikely.

## **New Zealand Transport Agency (NZTA)**

### Beach Road and West End Intersection

Feedback is currently being received and will be provided to NZTA. The general feeling is that a walking bridge would provide a great option for those who do not feel confident to cross at the current crossing point; however it is believed an individual should still have choice and the existing crossing should not be removed.

### State Highway Route Security

Comments have been provided on the route security documents and feedback is awaited from NZTA. A response is yet to be received regarding if the Inland Road is of national importance. This matter is currently with the Honourable Colin King.

### Truck Stop

This matter remains unchanged, NZTA are moving towards the creation of truck stops / rest areas. Initial thoughts are that these would be located where possible at ½ hour spacing from major centres. Opus International Consultants have now been employed by NZTA to undertake further research on this matter. This matter is progressing.

## **Current Plan Changes**

### Business/ Industrial Zone

No further movement has occurred on this project.

### Ocean Ridge

A separate report will be provided at the March meeting for Council to complete the plan change process; the plan change is now beyond appeal.

## **Bikewise**

February is Bike Wise month. There are two major events scheduled for Bike Wise month in Kaikoura. Bike Wise is New Zealand's national program of activities, which promote cycling as a fun, healthy and safe way to travel.

Kaikoura has the Go By Bike Breakfast on the 16<sup>th</sup> February 2011, from 8am in the Main Street. Also the Mayoral Challenge will be held on 6 March, from Hamner to Kaikoura. Registration is now open for the Mayoral Challenge. No registration is required for the breakfast. Just turn up on your bike.

## **Rugby World Cup**

Work has begun on Information/Welcome Boards for the north and south of the town. This project is being run with the Tourism and Development Committee. Staff have also been approached regarding recycling initiatives from the Packaging Council. More facilities may be available through the national programme.

## **Te Korowai**

One meeting has been held since the last report to Council. It seems Marine Reserves are a sticking point for the group, and until this issue is resolved, then a strategy cannot be released.

## **Zero Waste**

External funding has been sought for recycling crates for properties with a recycling collection. A decision on the funding application will not be available until March.

**Green Globe/Earthcheck**

Benchmarking data for 2009/2010 has been submitted for audit. An onsite observation audit will be carried out in February to ensure certification is retained for 2011, although the certifiers have been delayed through the floods in Brisbane.

Kaikoura is participating in a shoot with TravelWild TV. Lin Sutherland (the presenter) and cameraman Dave Warth are currently on their way to Antarctica. On Feb 17, they'll arrive in Christchurch and begin what will be an incredible film shoot to showcase New Zealand's leading sustainable tourism operators in a manner that will ooze fun and adventure at every turn.

The TravelWild TV series is shown on the Sky Travel and Documentary Channels.

**Community Gardens**

The community gardens are now up and running. Participating families have been harvesting vegetables and some vegetables have been supplied to the local food bank.

## • Biodiversity & Environmental Projects

### Investigation into the establishment of a Regional Park in Kaikoura.

As an update, Environment Canterbury have a draft plan online for comment and intend to present it at the Kaikoura A&P Show for further public comment.

<http://ecan.govt.nz/advice/recreation-and-parks/Pages/plans-parks-brochures.aspx>

### St Pauls Presbyterian Church Restoration Project.

Various interested groups and individuals were brought together to plan the project, (a smaller executive committee has subsequently been formed, to report back to the wider interest group of where Council sits) a restoration plan has been commissioned, DOC are being asked for track construction advice and costings. Some funding has been gained and a staged planting plan has been investigated with views of beginning in early winter 2011. Further consultation will occur with Council in the near future around an overview of the project and how Council and the community can benefit from the project long-term.

### Kaikoura District Council's Biodiversity Contestable Fund.

Closes end of March 2011. As a brief recap, it is intended to assist generally private landowners in increasing the levels of indigenous biodiversity in the district. If councillors hear of a worthy project in the community, encourage the group or individual to make an application or contact Council staff for more information.

### Immediate Steps Programme (under the Canterbury Water Management Strategy)

As a reminder to Council – this funding is only applicable for water based projects with indigenous biodiversity benefits.

*Clear priorities for protection and restoration of freshwater ecosystems and biodiversity are identified in the CWMS and include:*

- *Protecting endangered and at risk species and habitats e.g. Canterbury mudfish, long finned eels, remnant river margin matagouri/ kowhai shrublands;*
- *Protection and restoration of waahi taonga;*
- *Maintaining the braided character of all Canterbury's braided rivers;*
- *Protecting significant habitat for a full range of indigenous braided river flora and fauna;*
- *Preventing further loss of, and protecting, naturally occurring wetlands;*
- *Improving the ecosystem health of lowland rivers and streams and of high country lakes;*
- *Maintain existing high quality indigenous aquatic and dryland ecosystems in intermontane basins and on the plains;*
- *Maintaining ground water quality, velocities and levels, and retaining the ecological integrity of unconnected aquifers;*
- *Preventing further loss of ecosystem health in river mouths and coastal lagoons/ hapua, and in estuaries;*

*This is a \$10 million dollar programme over 5 years, with two thirds being funded by local government rates and the remaining third by external sources e.g. landowner, community, conservation groups.*

*The funds will be allocated 80% to the 10 local zone committees, and 20% to the regional committee. Each zone committee will utilise per year approximately \$100,000 from local*

*government rates, with the regional committee having approximately \$240,000 available to them. The remainder of project costs will come from external sources.*

Process to date for seeking funds in year 1 of the programme (financial year):

- Scoping meeting here in Kaikoura, 11 November 2010 – putting forward potential projects for year 1 of the Immediate Steps Programme. This information was then collated into an information only excel sheet of which became the basis for the next step;
- Complete "Form 2" for those potential projects by late January – further information/project planning required for this step, including costings and timeframes, landowner consent & assurance of their contribution plus securing an additional 3<sup>rd</sup> contribution from other sources where able.
- Ecological assessments of these projects are scheduled for late February - assessing against specific criteria (i.e. ecological, cultural, landowner support, 1/3rd contribution, project feasibility).
- Ecological recommendation which goes to the Zone committee (yet to be set up for Kaikoura) for final decision on funding.
- Form 3's – to be sent to project coordinators later on and involves a landowner/recipient agreement, project reporting with financial accountability.

#### Significant Natural Areas Programme

Three additional properties have been surveyed as part of this project during the week of 24-28 January. One of these properties also contains a site that is being proposed for the Immediate Steps Programme. It is anticipated that the ecological property reports will be out to landowners prior to 16 February.

#### Maternity Leave.

Please note I will be on parental leave for one year from today. The Biodiversity and Environmental Projects role has in the meantime been split between existing staff, both planning and engineering. I intend to return to my current role as of 14 February 2012. Thank you for your support to date.

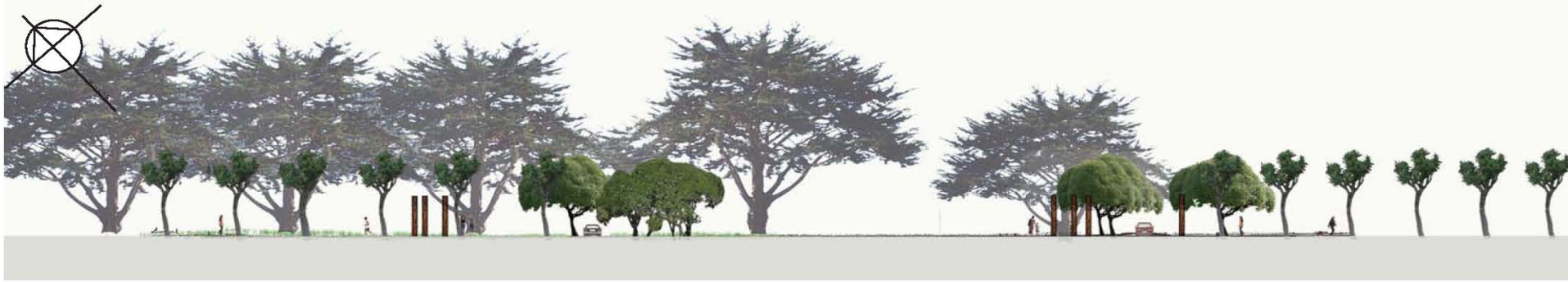
## South Bay Reserve landscaping concept plan amendments

Kaikoura District Council during 2007 work shopped proposed landscaping proposals for South Bay Recreation Reserve, created by Tasman Carter Ltd, as a flow on from the development of the South Bay entrance to the Peninsula walkway. At the time council was supportive of a landscape plan for South Bay based on Option 3 (attached over) with amendments suggested below. A \$50,000 budget was allocated. Some components of the chosen plan & amendments have been initiated and completed to date, however council staff has since reviewed the plan vs. the remaining budget and what will actually work on site from past experience, and would like to revisit those amendments.

<i>Suggested amendments from Councillors</i>	<i>Officers revised comments &amp; update – late 2010</i>
<b>Layout</b>	
1. Remove formal walkways crossing domain to ensure the middle space remains open and clear.	<p>Agree – the area is used for gatherings, concerts, events and best to keep as open space. Aesthetically more pleasing.</p> <p><i><b>This work has since been completed – No further action required</b></i></p>
2. Utilise existing circular road	<p>Agree and is the current situation on site. Has been re limed.</p> <p><i><b>No further action required</b></i></p>
3. Place BBQ and picnic tables at current location near toilet facilities - providing close access to potable water and amenities	<p>Agree –</p> <p><i><b>Two new picnic tables have been installed around the reserve more available if needed.</b></i></p> <p><i><b>Further action - to re-investigate the BBQ option, possibly power operated to reduce potential vandalism when compared to a coin operated machine. The Lions had previously showed an interest in donating a BBQ. Will need to see if the offer still stands.</b></i></p> <p><i><b>Council to agree on commencing idea of a BBQ or leave as status quo without a BBQ.</b></i></p>
4. Place bollards around grass area to prevent unauthorised parking and driving on grass.	<p>Completed.</p> <p><i><b>No Further action required however the rope used is proving ineffective as it shrinks and pops out of the bollard holes it is very difficult to re-install when this happens. Children also walk on the ropes worsening the problem. Staff suggests that within a year to replace existing rope with steel rope or mooring chain, either the entire length at once or staged depending on cost.</b></i></p>

	<i>Council – agree or disagree?</i>
<b>Plants</b>	
5. Trials need to be carried out regarding suitability of limestone substrate for plant survival.	<p>For this point and points 6, 9 &amp; 11 below – on discussion with KDC grounds staff and the parks and reserves manager, it is concluded that this area is quite suitable for public use and satisfactory in its current state.</p> <p>It has good natural features suitable for day to day use, great outlook, shelter, space, walking links, toilets, potable water, recycling facilities, picnic benches, dumping station for campervans, parking &amp; good roading system.</p> <p>It is felt that it is too harsh a climate for establishing landscaping – cold southerly winds, dry summers, hard substrate, inundation by high seas, salt damage etc. For what it would take to establish landscaping here &amp; the on going maintenance of it versus the minimal community benefit, it does not make good financial sense considering the on-going maintenance cost to Council.</p> <p>It is felt that by including a bbq, perhaps another 1 or 2 picnic tables in strategic locations, clear signage indicating walkway links and chain bollarding the reserve will be more than satisfactory, spacious and user-friendly.</p> <p>Further action required - <i>Council to agree or disagree to carry out trials <u>or</u> leave area as status quo with no addition landscaping beds.</i></p>
6. Raised garden beds are recommended due to archaeological significance of site, excavations are not a favoured option.	As above
7. Planting macrocarpa trees was not favoured.	Agreed – <i>No Further action required</i>
8. All plants are to be locally sourced native species and recommended planting list generated with local nurseries.	<p>If planting was to occur – agree with this concept.</p> <p>Further action – <i>Await outcome of decision from 5 above.</i></p>
9. Select native grasses with low seed dispersal	See comments for point 5.
10. Ensure cabbage trees are planted within garden beds to avoid maintenance costs associated with leaf litter	If planting was to occur – agree with this concept. <i>See item 8 above for further action</i>
11. Natural coastal precinct: ensure coastal views are retained through use of low growing plants.	See comments for point 5.
<b>Work priorities</b>	
<i>Year 1:</i> Budget allocated by Kaikoura District Council \$50,000	There is now \$28,275.00 remaining of the original \$50,000. Of the \$21,725.00 spent to date \$19,000 was on the new walkway entrance structure and toilets.

<ul style="list-style-type: none"> <li>▪ Trial of plantings to ensure plant survival on limestone or raised garden beds</li> </ul>	<p>See notes as above. – <i>Await decision from 5 above</i></p>
<ul style="list-style-type: none"> <li>▪ Enhance entranceway/gate</li> </ul>	<p>Completed. – <i>No Further action required</i></p>
<ul style="list-style-type: none"> <li>▪ Initiate natural coastal precinct and remove existing middle road</li> </ul>	<p>Existing road through middle of open space has been removed.</p> <p>Natural coastal precinct has not been initiated.</p>
<ul style="list-style-type: none"> <li>▪ Prioritise remaining works over 3 years</li> </ul>	<p>Some completed to date but not all.</p> <p><i>Await decision of 5 above and re-prioritize thereafter</i></p>
<p><b>Additional notes</b></p>	
<p>Playground as indicated on the plan although not decided on at the workshop.</p>	<p>It is noted that a very basic playground costs approx \$17K straight off. On discussion with other relevant staff, it was felt a playground in this reserve wouldn't get enough use to warrant the cost. There is a playground in South Bay already and if Council felt inclined it could be upgraded with some of these funds rather than build a new one in this reserve.</p> <p>Further action required – <i>Council to agree <u>or</u> disagree on the installation of a playground in this area.</i></p>



elevation aa - open green space

elevation bb ↑

**option three**  
Simple open green spaces defined by precinct gateways

Axis walkways connect into existing visitor center and coastal walkway and down to terraces and beach.

Precinct gateways defined with vertical timbers relating to Visitor Information detail

Informal terraces create area for contemplation, gathering and small informal classroom

Beach gateway precinct includes : picnic area, bbq's, drinking fountain and playground

Natural coastal precinct includes - informal seating with vantage points out to view

Coastal gateway precinct includes : information centre, toilets, and leads to the start of the coastal walkway

Roading utilises existing road

Informal parking under existing and proposed macrocarpa trees

Access and security lighting with accent lighting of specific features

- planting key**
-  existing and proposed macrocarpa
  -  proposed native specimen trees
  -  cabbage tree avenue
  -  native shrub planting
  -  open green space



elevation bb - beach gateway precinct

**south bay reserve**  
**kaikoura**  
draft concept three

scale: 1:500@A2  
date: march 2007  
design: tom carter & heidi meadows  
drawn: heidi meadows  
drawing: 5 of 5

• **Environmental Health**



**FOOD AND HEALTH STANDARDS (2006) LIMITED**

**WEEKLY DRINKING WATER SAMPLES ANALYSES**  
**KAIKOURA DISTRICT COUNCIL**

**Date: 06.01.11**

Method: ReadyCult

Weather: Sun

Lab Ref No:	WINZ Code	Time	Sample Point	Tests	Results	Units
FEY018B	KAI004KU	14:15	Jimmy Armers Beach			
				E. coli	N/A	100mL
				FAC	0.37	mg/L
				Total Coliforms	N/A	100mL
FEY019B	KAI004SB	14:35	DOC Toilets, South Bay			
				E. coli	N/A	100mL
				FAC	0.34	mg/L
				Total Coliforms	N/A	100mL
<b>Date:</b>	<b>18.01.11</b>					

Method: ReadyCult

Weather:

Lab Ref No:	WINZ Code	Time	Sample Point	Tests	Results	Units
981214-1	KAIUR(2)	18:45	O Wood: Mt Fyffe Road			
				E. coli	<1.1	100mL
				FAC	0.34	mg/L
				Total Coliforms	<1.1	100mL
981214-2	KAISBR (2)	19:05	Coastguard: Sewer Pump Station Outside Tap			
				E. coli	<1.1	100mL
				FAC	0.31	mg/L
				Total Coliforms	<1.1	100mL
<b>Date:</b>	<b>26.01.11</b>					

Method: ReadyCult

Weather: Fine

Lab Ref No:	WINZ Code	Time	Sample Point	Tests	Results	Units
FEY0404	KAI004KU	17:20	Jimmy Armers Beach: Toilet Block			
				E. coli	<1.1	100mL
				FAC	0.56	mg/L
				Total Coliforms	<1.1	100mL
FEY0395	KAI004SB	16:02	South Bay, Kaikoura (DOC)			
				E. coli	<1.1	100mL
				FAC	0.30	mg/L
				Total Coliforms	<1.1	100mL

*"The microbiological methods used were in accordance with registered methods which are available upon request. Results apply only to samples as received. This report may not be reproduced except in full".*

## Kaikoura District Council

### Water Monitoring Monthly Report – 11 January 2011

Winz Code	Sample Site and Code	Reference Number	Time	Total Coliforms	E.coli	FAC
TP00217	Kaikoura Suburban KAIWS (1)					
	@ Brunnels Road					
TP00217	Kaikoura Surburban KAIWR (1)	FEY002	1340	<1.1	<1.1	0.65
	@ Postmans Road					
TP02772	Kaikoura Township Source KAINMB (1)	FEY001	1330	<1.1	<1.1	0.60
	Main Bore @ Mt Fyffe Road (Mackle Bore)					
KAI004KU	Kaikoura Township Reticulation KAIUR (1)	FEY009	1625	<1.1	<1.1	0.38
	Alt @ Jimmy Armers Beach Toilet Block					
KAI004KU	Kaikoura Township Reticulation KAISR (2)					
	Alt @ O Woods: Mt Fyffe Road					
KAI004SB	South Bay Reticulation KAISBR (1)	FEY010	1635	<1.1	<1.1	0.36
	Alt @ DOC Toilets: South Bay					
KAI004SB	South Bay Reticulation KAISBR (2)					
	Alt @ Coastguard: Sewer Pump Station					
TP01001	Kincaid Source (KINS (1)	FEY003	1355	<1.1	<1.1	1.01
	@ Grange Road Bridge					
KIN003KI	Kincaid Reticulation KINR (1)	FEY008	1545	<1.1	<1.1	0.95
	@ Hapuku School					
TP01000	Peketa Source PEKS (1)	FEY014	1730	<1.1	<1.1	N/A
	@ Bore R Hails, Rakauni Road					
PEK002PE	Peketa Reticulation PEKR (1)	FEY015	1740	<1.1	<1.1	0.31
	@ hydrant tap pn Bullens Road					
TP01002	Fernleigh Source FERNS (1)	FEY013	1715	<1.1	<1.1	0.49
	@ Dairy Farm Inland Road Junction					
FER003FE	Fernleigh Reticulation FERNR (1)	FEY012	1700	<1.1	<1.1	0.70
	Alt @ R Jones: Lake Hills					

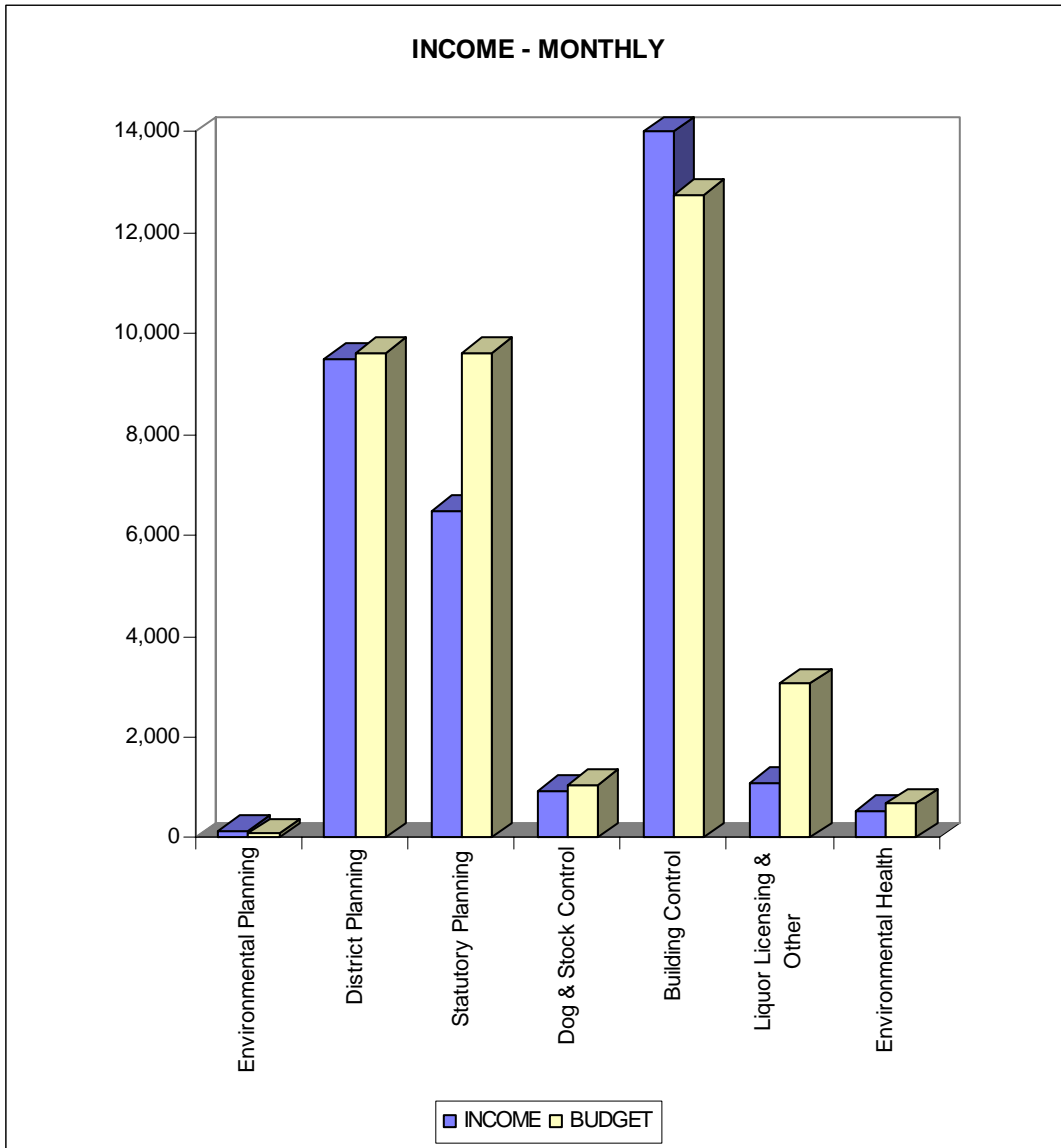
FER003FE	Fernleigh Reticulation FERNR (2)					
	Alt @ Kowleigh Inland Road					
TP00998	Oaro Source OARNS (1)	FEY017	0	<1.1	<1.1	N/A
	@ New Bore: Oaro River					
OAR001OA	Oaro Reticulation OARNS (1)					
	Alt @ T Smith: Oaro M					
OAR001OA	Oaro Reticulation OARNS (2)	FEY016	0	<1.1	<1.1	N/A
	Alt @ K Semmens: North Side					
TP01003	Clarence / East Coast System Source CLECS (1)	FEY005	1500	<1.1	<1.1	N/A
	@ Wellhead at pumpshed					
KAI021EA	Clarence / East Coast System Reticulation CLECR (1)	FEY004	1445	<1.1	<1.1	N/A
	@ hydrant behind Woodbank School					
	Hapuku Café/Lodge	FEY007	1530	<1.1	<1.1	N/A
	Ocean Ridge	FEY011	1650	<1.1	<1.1	N/A

**TOTAL SAMPLES, % COMPLIANCE**

Total Coliforms: The bacteria used as indicators that organic, possibly faecal contamination of the water may have occurred.

E.coli: The bacteria used to indicate that faecal contamination has probably occurred and that the water needs to be treated given the likelihood that pathogens are present.

- **Environmental Services Budget Report**



### EXPENDITURE - MONTHLY

