

**KAIKOURA DISTRICT COUNCIL WORKS AND SERVICES  
COMMITTEE MEETING HELD AT 9.00AM ON THURSDAY 20  
APRIL 2006 IN MEMORIAL HALL SUPPER ROOM, ESPLANADE,  
KAIKOURA.**

**AGENDA**

*1. Apologies*

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

*3. Matters Arising from Report of 15/03/2006*

*page 74*

*4. Minutes Action and Issues List Update*

<b>MEETING</b>	<b>ACTION REQUIRED</b>	<b>BY</b>	<b>DATE ACTIONED</b>
	<b>18 MAY 2005</b>		
Works	Meeting with local farmers re stock effluent	M Fletcher	Ongoing
	<b>21 DECEMBER 2005</b>		
Works & Services	Pursue all funding avenues for Lyell Creek Bridge	Gallo / M Fletcher/ Council	In Progress
Works	Check condition of inside of Jimmy Armers toilet facility	Marlene	In Progress
	<b>15 FEBRUARY 2006</b>		
Works & Services	Re-sow grass berms in Bayview, Torquay and Yarmouth Streets	M Fletcher	In Progress
	<b>15 MARCH 2006</b>		
Works & Services	Inspect middle creek bridge and provide options for replacement/repair back to April meeting	M Fletcher / Gallo	In Progress
Works & Services	Report back to Council on Transit's State Highway 1/West End intersection upgrade	Gallo	In Progress
Works & Services	Install closed circuit cameras near West End Toilet Facility.	Marlene	In Progress
Works & Services	Inspect Chapmans/Postmans Roads following complaints re gravelling	M Fletcher	In Progress
Works & Services	Arrange meeting with Works Infrastructure South Island Manager and Kaikoura Works Infrastructure, along with Councillors Pablecheque and Seddon regarding roading contract and work in general and report back to April Works meeting.	M Fletcher	In Progress

**5. Reports:**

- **Works and Services Report** *page 1*
- **Roading Report** *page 5*
- **Report on Capital Projects** *page 16*
- **Works and Services Budget Report** *page 18*

**6. Urgent Business**

**7. Public Excluded Session**

*Moved, seconded that the public be excluded from the following proceedings of this meeting, namely*

*a) Desludging of Oxidations Ponds – Tender Report*

*The general matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under Section 48(1) and 7(2)(i) of the Local Government Information and Meetings Act 1987 for the passing of this resolution are as follows:-*

<b>General subject of each to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Grounds of the Act under which this resolution is made</b>
Desludging of Oxidation Ponds – Tender Report	The exclusion of the public from the whole or the relevant part of the proceedings of the meeting is necessary to enable the Local Authority to deliberate in private on its decision or recommendation.	<b>Section 48(1)(a) and 7(2)(b)</b>

# Works & Services Report

## WATER SUPPLY

### *Urban Water*

#### **Operations**

No major problems were encountered during this reporting period.

#### **Water Demand**

The demand for the period is decreasing compared to the previous months. The average demands for February 2006 was 4230.7m<sup>3</sup>/day and for March it was 3442m<sup>3</sup>/day.

Since the cleaning of the gallery on the 22<sup>nd</sup> March the bore has not been used.

The graph below shows only the total supply from the Waimangarara however, the table below gives a break down of the total water supplied from the system for the period March 1- 31, 2006.

Dates	Demand –Chlorine shed (m <sup>3</sup> )	Demand – Alternate Bore (m <sup>3</sup> )	Total Demand (m <sup>3</sup> )	Average Demand (m <sup>3</sup> /day)
March, 2006	76274	30412.8	106686.8	3442

### *New Water Source*

Work on the new source is still ongoing. There has been a set-back in the works however these issues are in the process of been resolved.

### *Kincaid Water Supply*

There has been no major malfunction with the Kincaid system during the reporting month.

## SEWER SYSTEM

### *Urban Reticulation*

The sewage flow averaged 1729.6m<sup>3</sup>/day during the month of March. The maximum flow recorded was 2027 m<sup>3</sup> /day on the 21<sup>st</sup> of March, when it rained heavily for most of the day. This suggests that there is still a large amount of storm-water entering the sewer system. The outflow at the pond pumping station showed an average of 1764.5 m<sup>3</sup>/day.

The measured Dissolved Oxygen continues to meet the resource consent conditions averaging 3.7mg/l.

## STORMWATER

### *Urban Stormwater*

There have been no major operational problems during this period.

## PARKS & RESERVES

The maintenance to these assets continues however, there were some set backs in the schedule as a result of the number of wet days experienced in the month.

### **PUBLIC TOILETS**

The facilities are being fairly maintained. The vandalism at the West End facility continues. In addition the new toilet for the northern entrance reserve is now in Kaikoura however it has not yet been connected. We hope to have it connected as soon as an amicable agreement has been reached with Transit.

### **LYELL CREEK FOOTBRIDGE**

Tender documents have been prepared and have been sent to selected contractors for pricing. The priced documents are due on April 12<sup>th</sup> 2006; this will be followed by evaluation and pre-selection of the most suitable tender. The evaluation report with the engineer's recommendations shall be reported to Council at the next meeting.

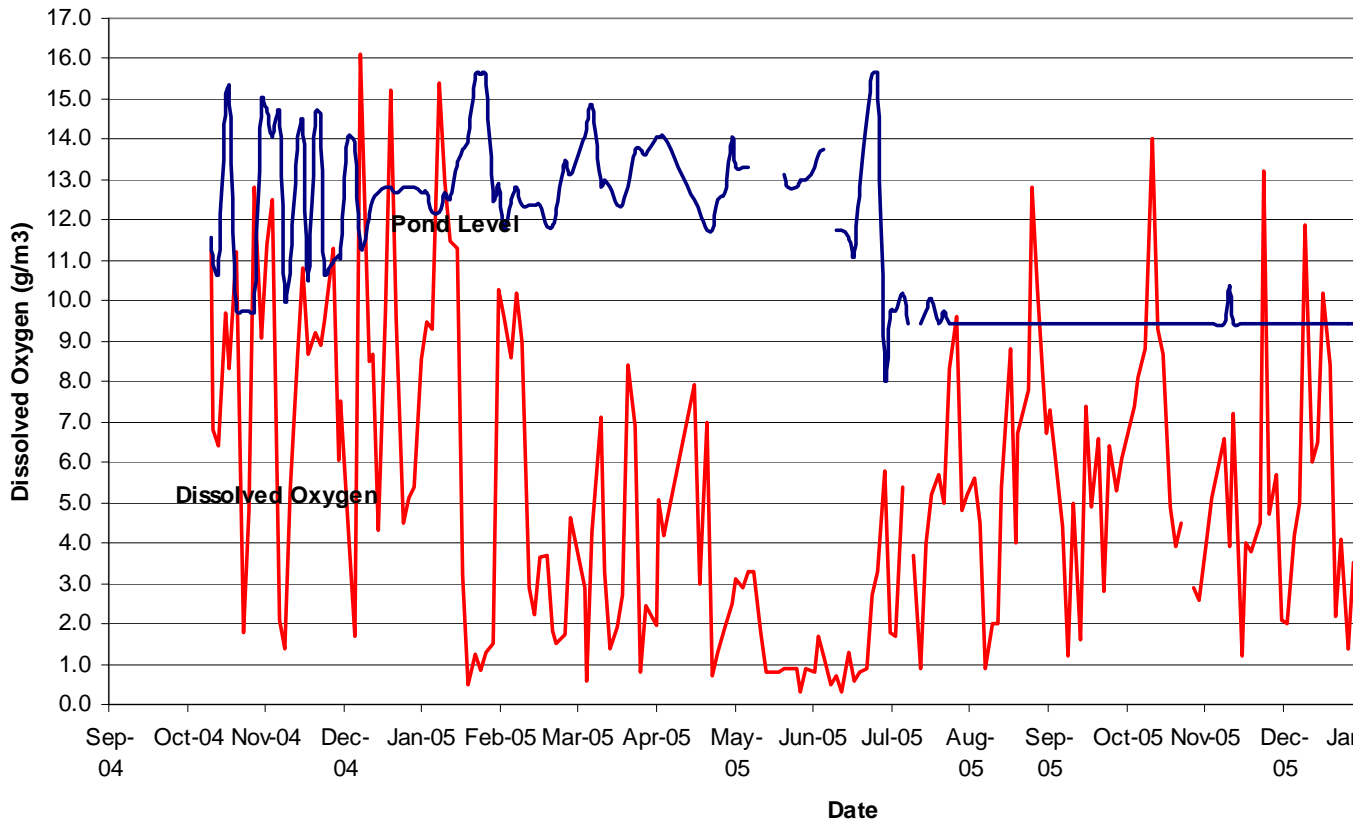
### **STATE HIGHWAY – WEST END INTERSECTION**

The work at this intersection has still not been completed.

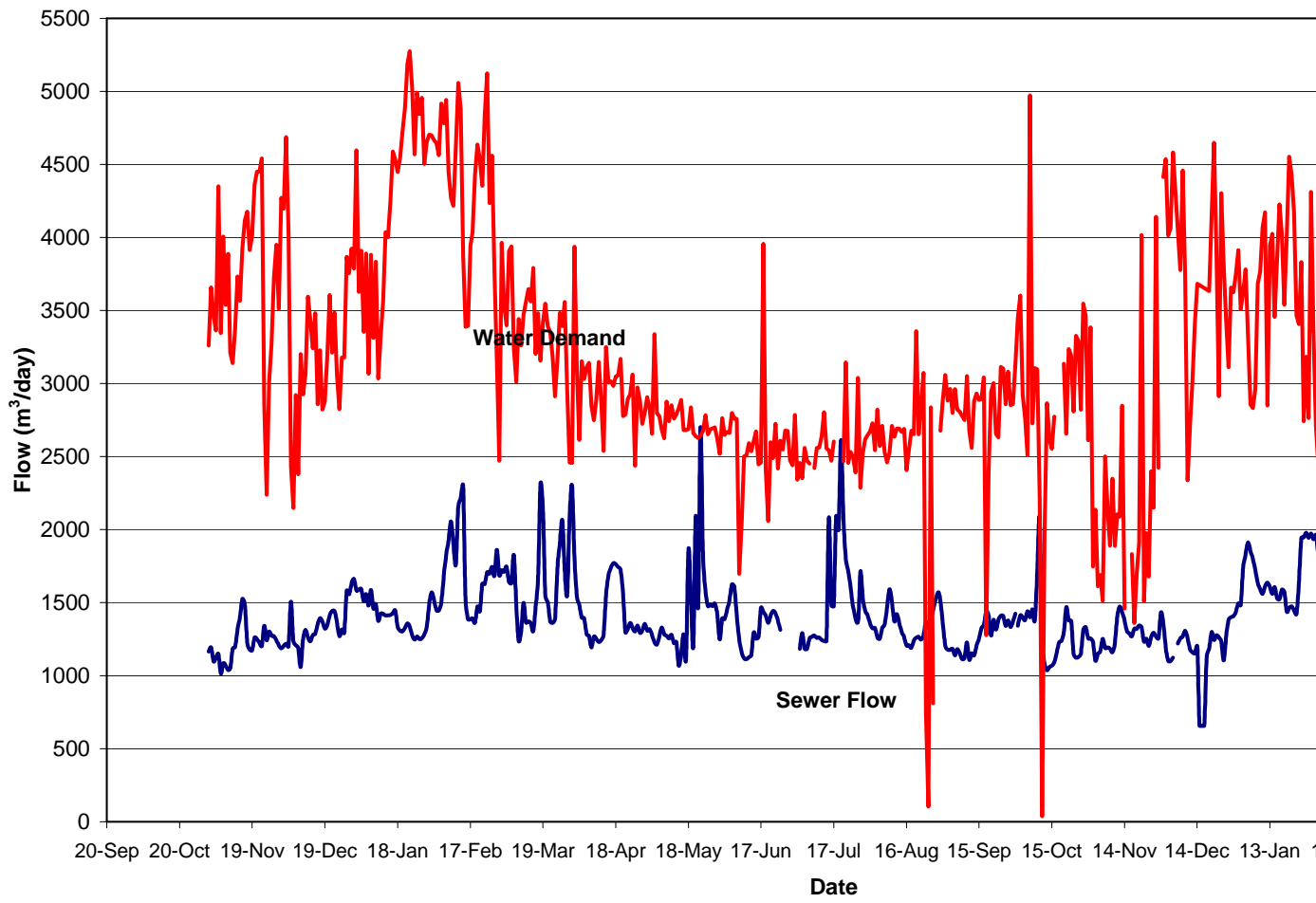
### **OTHERS**

Works continue on the processing of resource consents.

**Kaikoura Oxidation Pond  
DO & Water Levels  
(Sept 2004 to March 2006)**



**Water Demands & Sewer Flows  
(October 2004 -March 2006)**



# **ROADING REPORT**

## **LAND TRANSPORT PROGRAMMES/RECORDS**

Returns and information are being supplied to Transfund New Zealand as requested.

Kaikoura's 2006/2007 Land Transport Programme has been resubmitted in its final form to Transfund. Further work this month is required for the Middle Creek Bridge Replacement submission.

## **ROUTINE ROAD AND BRIDGE INSPECTIONS**

Routine road and bridge inspections are continuing with the roads in the southern area inspected on 5 April 2006. (Copies of the record of inspection are attached.)

The southern roads were generally in a satisfactory condition. Various work was required such as reopening of the Kowhai Ford, sign maintenance and edge break repairs on Inland Road.

## **RAMM SYSTEM UPGRADE**

Maintenance of the RAMM system is ongoing and will be updated as more information becomes available.

## **TRAFFIC COUNTING PROGRAMME**

Traffic counts for the month of March include the following roads:

- 1) Beach Road (Kaikoura End)
- 2) Beach Road (Hapuku)
- 3) Blue Duck Road
- 4) Esplanade

The traffic counts on Beach Road (Kaikoura End) show an increase from previous years on record (330 vehicles per day in 2006. Previous counts between 220 –270 vehicles per day).

Traffic on both Blue Duck Road and Beach Road at Hapuku have remained relatively constant over the past six years with low overall growth rates. (Blue Duck Road +1.0%, Beach Road Hapuku +2.1%)

The traffic counts on the Esplanade continues to fluctuate with the latest count (3080 vehicles per day) being the second lowest in the last five years. This continues the trend of an increasing negative growth rate (currently at –3.59%, -2.76% in 2005).

We are forwarding copies of the traffic counts and speed matrices to the Kaikoura Police.

## **FOOTPATH UPGRADES**

A number of maintenance items are still required to be completed by the Contractor before the contract can be finalised and retentions released. These include tidying up of grass berms, sweeping of all chip sealed footpaths and repairing areas of slumped road reinstatement adjacent to the new kerb and channel on Ludstone Road.

## **RESEALING 2005/2006**

The contract is currently in the three month defects liability period. The overall standard of the work is good. Road markings on Scarborough Street were omitted while we investigated adjustments to the layout. Roadmarkers NZ will redo the markings later this month.

## **MAINTENANCE GRAVELLING 2005/2006**

A list of the roads to be maintenance gravelled in the 2005/2006 financial year has been forwarded to the Contractor to carry out this month. The following roads are included:

1. Puhi Puhi Road - Between RP 5.1 and RP 10.1.
2. Blue Duck Road - Between RP 8.0 and RP 10.8.
3. Grange Road - 1.1km unsealed section.
4. Chapmans Road including Postmans Road corner
5. In addition to the above a light spread of maintenance gravel will be applied to other sections on Blue Duck Road following the surface water channel maintenance.

## **STOCK EFFLUENT ON COUNCIL ROADS**

Further meetings with the individual landowners will continue over the coming months. Once all the landowners have been spoken to a report will be prepared for Council.

## **MOA POINT SEAWALL**

Environment Canterbury has come back to us with a list of parties that they consider could be affected by the seawall and they require Council to obtain approval from all these parties before they finally decide whether the consent is to be notified or non-notified. These parties are currently being consulted with.

## **STREET LIGHT UPGRADES**

The installations of the Stage 3 lighting upgrades are completed. We will now discuss with MainPower the details for Stage 4. This will take in the Upper Killarney Street and Scarborough Street areas. South Bay is the other area remaining.

## **BAYVIEW STREET UPGRADE**

A number of maintenance items are still required to be completed by the Contractor before the contract can be finalised and retentions released. These include weed removal and resowing of grass berms, sweeping and removal of loose chip and completion of the planting beds at the Hastings Street intersection ready for landscaping by Council staff.

## **ROAD MARKINGS**

Roadmarkers NZ Ltd will carry out remarking of the Esplanade cyclelanes and markings on Yarmouth Street later this month. Other markings in the area that have badly faded or are otherwise required will also be remarked as part of the work.

As the previous contract in 04/05 was carried out in April 2005 it is not intended to carry out a full road marking programme until November / December 2006.

**Infrastructure Works Timetable  
2005/2006**

<b>Project</b>	<b>Awarded</b>	<b>Contractor</b>	<b>Start Date</b>	<b>Completed</b>
Resealing 2005/2006	Yes	T.C. Nicholls	February 2006	Yes
Footpath Upgrading	Yes	Fulton Hogan	January 2005	Yes
Street Light Upgrades	Yes	MainPower	January 2005	-
Maintenance Gravelling	Yes	Works Infrastructure	April 2006	-
West End Redevelopment Stage I	Yes	Works Infrastructure	February 2004	Yes
Road Markings	Yes	Roadmarkers NZ Ltd	April 2006	-
Watermain Renewals 2005/2006	No	-	May 2006	-
Sewage Treatment Upgrade	Yes	City Care Limited	February 2005	Yes
Moa Point Seawall	No	-	??	-
Bayview Street Upgrade	Yes	Works Infrastructure	September 2005	Yes
Peninsula Booster Pump Stn	Yes	Works Infrastructure	November 2005	-
New Water Source	Yes	Fulton Hogan	December 2005	-
Oxidation Pond Screen	Yes	Fulton Hogan	May 2006	-
Desludging of Oxidation Ponds	No	-	May 2006	-
Sewer Trunk Main (Stage 1)	Yes	BG Contracting Ltd	February 2006	-
Sewer Trunk Main (Stage 2)	No	-	June 2006	-

**RECORD OF INSPECTION  
ROAD MAINTENANCE CONTRACT**

**RECORD OF INSPECTION**

5 April 2006

**1. Oaro M**

- i) Stockpile area currently in use for State Highway maintenance work. Road to be swept and area left tidy on completion.

**2. Waitane Road**

- i) Satisfactory Condition.

**3. Moana Road**

- i) Satisfactory Condition.

**4. Valley Road**

- i) Satisfactory Condition.

**5. Peketa Road**

- i) Satisfactory Condition. No noticeable problems with recent chip sealing of road.

**6. Rakanui / Bullens Roads**

- i) Re-erect PW-57 (Train) sign and post on east approach to crossing.

**7. Inland Road**

- i) Potholes repairs needed west of Linton Bridge.
- ii) Extensive edgebreak at Little Linton bridge and several other locations, generally in hill sections past RS/16 marker. Edgebreak at Little Linton bridge to be repaired ASAP. Other edgebreak repairs to be identified and marked up by Contractor.
- iii) Clean out roadside dish channels along Greenburn bluffs.
- iv) Grass cutting completed.

**8. Scotts Road**

- i) A few potholes otherwise road in acceptable condition.
- ii) Tree and shrub cutting generally to acceptable standard. A few shrubs on downhill section still overhanging.

**9. Blunts Road**

- i) Road in satisfactory condition. Grass growth quickly returning to centreline and edges.

**10. Dairy Farm Road**

- i) Road in satisfactory condition. Grass growth quickly returning to centreline and edges.
- ii) Contractor to carry out dropout repair at culvert on steep hill section for agreed price.

**11. Kowhai Ford Road**

- i) Unsealed section corrugated. Requires grading.
- ii) Ford currently impassable and water level still high after recent rainfall. Contractor to reopen ford when water level drops which is expected to be within next few days.

**12. Red Swamp Road**

- i) Unsealed section requires grading. Slumping in wheel tracks and loss of shape resulting in scouring.
- ii) Straighten give way sign at Postmans Road intersection.

**13. Postmans Road / Chapmans Road**

- i) Roads looking bare after recent grade. Some corrugations. Chapmans Road to be maintenance gravelled this year, and programme Postmans Road for following year.
- ii) Install one lane bridge priority give way signs at Kennedys Bridge.

**14. Mt Fyffe Road**

- i) Road markers to remark faded intersection markings during visit this month.

**15. Esplanade**

- i) Install KDC standard sump box and grate outside no.234. Currently sump is a steel drum with broken grate. Grate level to meet existing kerb face. Fill adjacent slump in road.
- ii) Contractor to obtain levels at sump outside no.230 to ascertain whether sump can be removed with future kerb and channel work. Otherwise look at replacing with similar soakpit style sump. Water not draining away at present.
- iii) Raising of sump outside Aromas completed. Road reinstatement yet to be sealed.

**The date of the next road inspection is 3 May 2006.**

# REPORT ON CAPITAL PROJECTS

## **Oxidation Pond Desludging**

Tenders for the pond desludging have closed and we are awaiting Council approval to appoint the successful Tenderer. A separate report containing the Tender details has been forwarded to Council for consideration.

## **Oxidation Pond Inlet Screen**

An inlet screen for the oxidation pond has been ordered. This will screen out larger items, which find their way into the sewer, before the sewage enters the oxidation pond. The inlet screen will extend the time required between future pond desludging and prevent blockages at the oxidation pond outlet.

There have been delays in the both the delivery of the inlet screen and the construction of the concrete pad on which it will be mounted. Fulton Hogan have been asked to provide a firm quotation for the construction of the concrete pad and the necessary pipe connections between the existing inlet and the new screen.

It is anticipated that the new screen will be operational by mid May 2006.

## **Trunk Sewer Construction**

To accommodate additional areas of growth it has been decided to construct a new trunk sewer main, which will ultimately run from Churchill Street, along the west of the existing town, all the way to the oxidation pond. The first stage of this project is the section of trunk main between Churchill Street and Hawthorne Road.

This first stage will be constructed in three main contracts.

- 1. Fords Reservoir to Ludstone Road:** This gravity section of sewer starts near the Fords Reservoir and runs down to Ludstone Road. The Seaview subdivision and other future developments in the adjacent Residential "B" Zone will connect to this length of trunk sewer main.

Construction of this section is currently underway and proceeding according to schedule. There have been no technical difficulties encountered so far during the construction, although this section of pipeline lies entirely within private properties and significant effort has been required to achieve and maintain landowner approval.

Construction is expected to be complete by mid May 2006.

- 2. Ludstone Road to Hawthorne Road:** The next section to be constructed will be a new pump station at Ludstone Road, which will collect sewage from the new trunk main currently under construction and collect sewage pumped in from the Ocean Ridge development that is also currently under construction. From this pump station sewage will be pumped to the existing Hawthorne Road Pump Station, via Rorrison's Road.

Design of this pump station is virtually complete and the construction tender documentation is currently being finalised. It is anticipated that tenders will be called for this contract by the end of April 2006.

- 3. Churchill Street to Fords Reservoir:** The final section to be constructed will be a new pump station at Churchill Street, which is designed to collect sewage from South Bay and the proposed

Whale Watch development on Scarborough Street. From this pump station sewage will be pumped to the gravity section of the new trunk main, which is currently under construction between the Fords Reservoir and Ludstone Road.

Design of this pump station is virtually complete, based on initial information provided by Whale Watch. A date to finalise this design and begin construction has not been set.

The timing of subsequent stages of this trunk main project will depend on the future development of land to the west of Lyell Creek.

## **Upgrade to New Water Source**

There are a number of projects required as part of the long-term solution to the current water supply problems. The first two projects, which are currently under construction, are as follows:

- 1. Booster Pump Station:** This is under construction adjacent to the existing Fords Reservoir. Once operational this will pump water up to the pressure required to full the Peninsula Reservoir, without having to lift the pressure in the rest of the reticulation

Construction of this is virtually complete, with only a few minor areas to tidy up. The booster pump station will be ready to commission in the first week of May 2006.

- 2. Commissioning New Source:** There has been some re-work required during the construction of the treatment shed, but this is now virtually complete. The chlorine treatment and pump control equipment is installed and ready for operation. We are currently arranging for the appropriate certification to permit the chlorine gas to be stored and used on-site.

Installation and commissioning of the pumps down the bores has proven to be problematic. PGG Wrightson, who were contracted to construct the required pipe work and install the pumps, experienced problems with fouling at both the bottom and sides of the installation. We are currently working with them to solve these problems and expect the pumps to be commissioned within the next few weeks.

Future stages, of the upgrade to the new source include the upgrading of the water trunk main down Mt Fyffe Road and construction of an additional water reservoir. This work will be spread over future financial years.

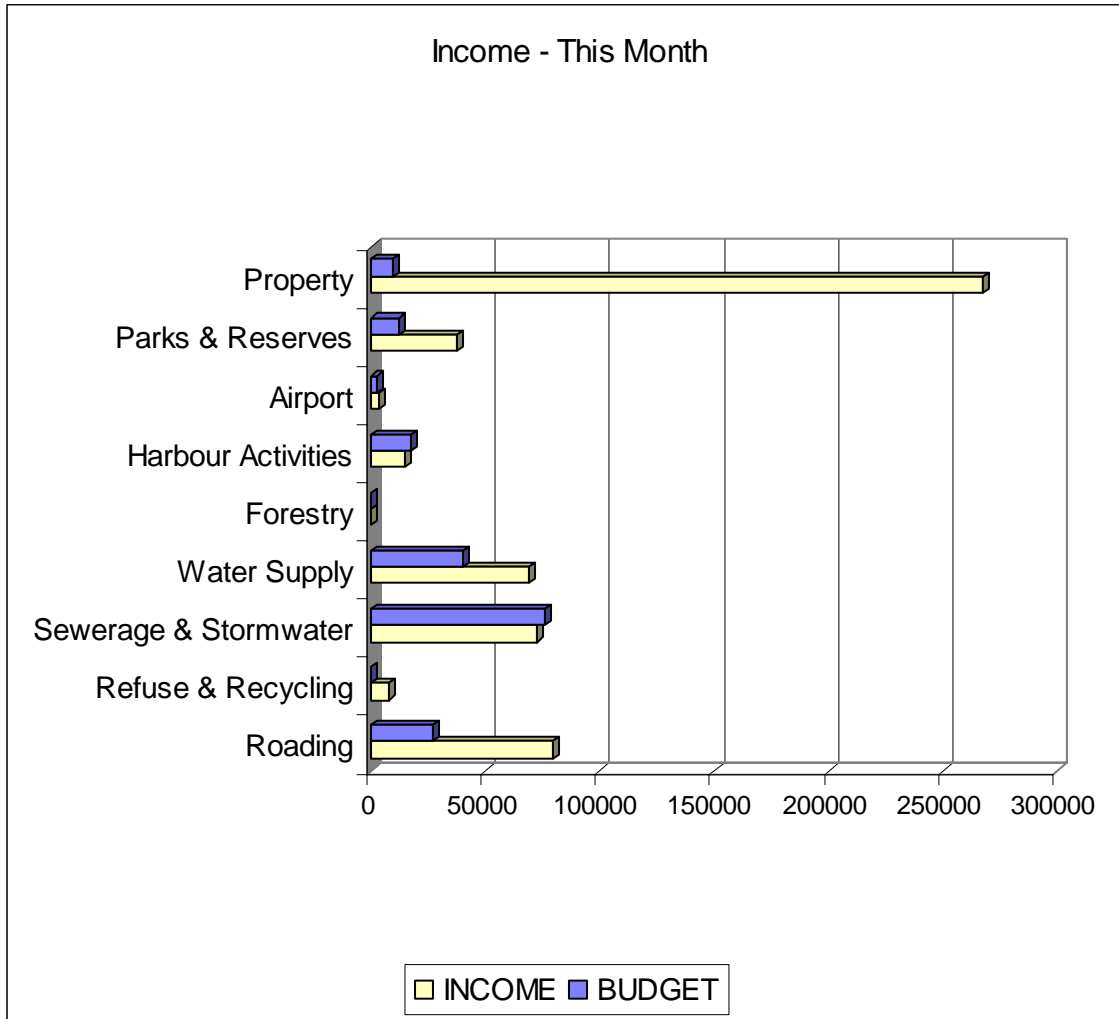
## **Annual Watermain renewals and Upgrades**

As part of the annual renewal and upgrade of Kaikoura watermains two projects were identified for inclusion into a construction project. This includes the replacement of the old spiral steel watermain in Killarney / Torquay Streets, which has caused problems in the recent past.

The other project involves linking the watermain leading to South Bay, via the State Highway, to the lower Fords pressure zone. With this link, South Bay can be supplied without having to pump the majority of the water all the way up to the Peninsula Reservoir.

Drawings and specifications for the Killarney / Torquay Street renewal are complete and additional site data for the South Bay link is about to be completed to enable this design to be finalised. We expect to have the construction contract ready to tender by mid May 2006.

# Works & Services Budget Report



### Expenditure - This Month

