

**WORKS AND SERVICES COMMITTEE MEETING HELD AT  
9.00AM ON WEDNESDAY 16 NOVEMBER 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 Report of 19/10/2011* *page 64*

*4. Reports:*

- **Works and Services Report** *page 1*
- **Roading Report** *page 6*
- **Works and Services Budget Report** *page 19*

*5. Urgent Business*

# Works & Services Report

## 1.0 WATER SUPPLY

### Urban Water

#### Operations – Kaikoura Urban Supply

The Kaikoura Urban supply operated fairly well during the reporting month.

#### Operations – Suburban Supply

There were no major problems with this system during the reporting month.

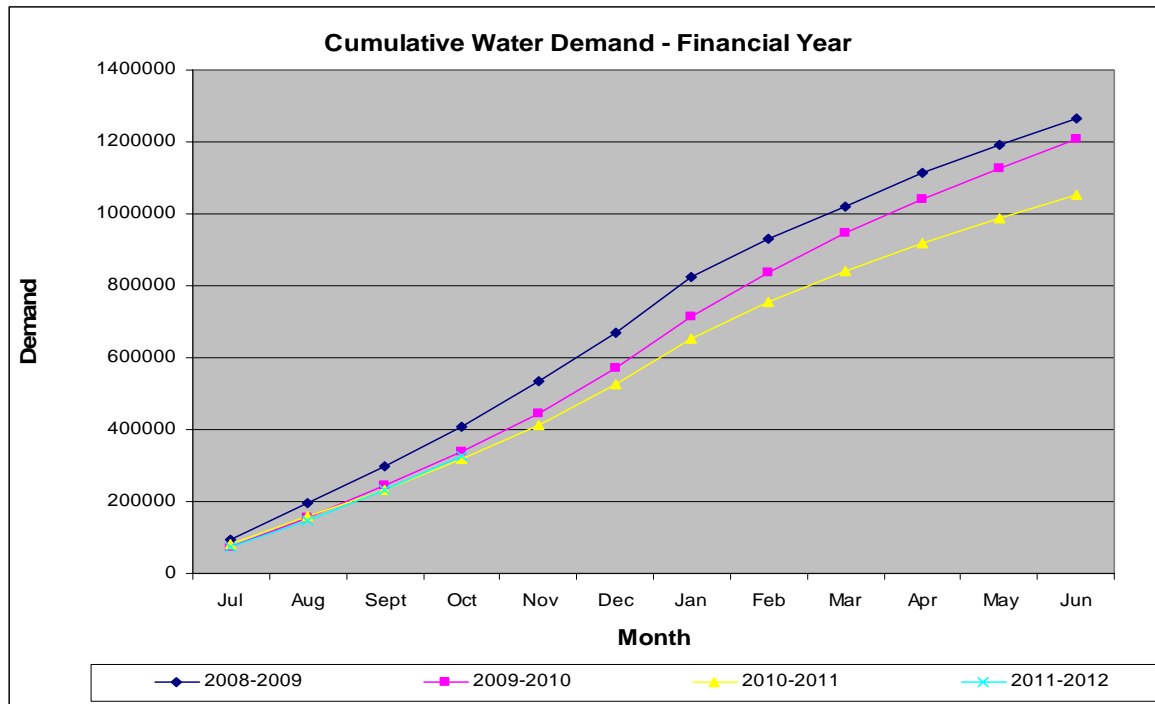
### Water Demand

Table 1 below shows the water demand for the reporting month measured from the Mackle's bore while figure 3 on page 4 shows the yearly cumulative water demand since 2007.

<i>Water Demand (m<sup>3</sup>/day)</i>				
	<i>Min (m<sup>3</sup>)</i>	<i>Avg (m<sup>3</sup>)</i>	<i>Max (m<sup>3</sup>)</i>	<i>Total Demand (m<sup>3</sup>)</i>
<i>Aug 2011</i>	1946	2408	3135	74,660
<i>Sept 2011</i>	2508	2834	3412	85,031
<i>Oct 2011</i>	2542	3028	3761	93,860

**Table 1: Water Demand for reporting period**

Based on the financial year calendar, the cumulative water usage (demand) to date is shown in figure 1 below.



**Figure 1: Financial Year cumulative Demand**

### Kincaid Water Supply

The Kincaid water treatment system is now fully operational. The line from Postman’s Road has been isolated so as to prevent mixing of the waters. This will impact on the properties that suffered in the past as it relates to their daily demand.

We will be investigating to see how best the system can be reconfigured to temporarily transfer these users on to the Suburban supply to minimize the impact of isolating this line.

### Water Upgrades /Renewal Projects - Capital Assistance Programme (CAP)

#### Peninsula Tank

The draft sale agreement was sent to Chorus late October 2011, they have since come back to us informing us that they agree with the contract. This has since been communicated to Council’s solicitor who will finalize the sale and purchase agreement.

### 2.0 SEWER SYSTEM

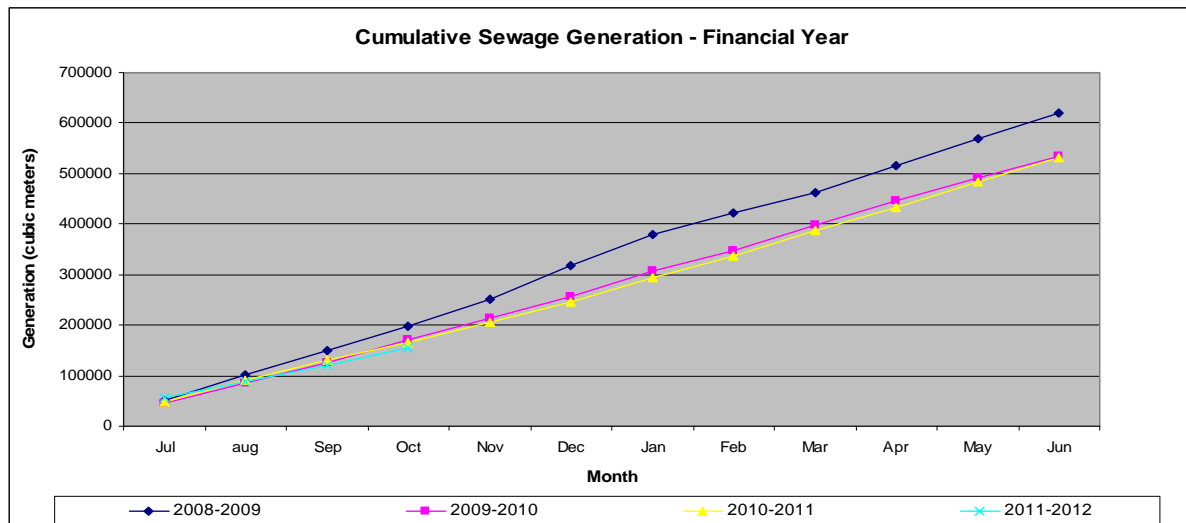
Table 2 below shows the average sewage flows for the reporting month as measured at the Mill Road pumping station while figure 4 on page 5 shows the sewage generation to date in comparison to previous years.

The total flow for the month of October 2011 was approximately 35,308m<sup>3</sup>.

<i>Sewage flows (m3/day) – Mill Rd</i>			
	<i>avg</i>	<i>max</i>	<i>Total Flow</i>
<i>Aug 2011</i>	1081	1427	33,515
<i>Sept 2011</i>	1043	1219	31,313
<i>Oct 2011</i>	1139	1424	35,308

**Table 2 : Sewage generated for reporting period**

The measured Dissolved Oxygen (DO) averaged 4.1mg/l for the reporting month.



**Figure 2: Financial Year cumulative Sewage Generation**

### **3.0 STORMWATER**

#### **Urban Stormwater**

There were no major issues for the reporting month.

### **4.0 PARKS AND RESERVES**

The majority of the parks and reserve are in fair condition however some of the gardens are in an unacceptable state. The contractor is aware of this and will be attending to those areas in the coming week.

### **5.0 PUBLIC TOILETS**

The Toilets are in fair condition.

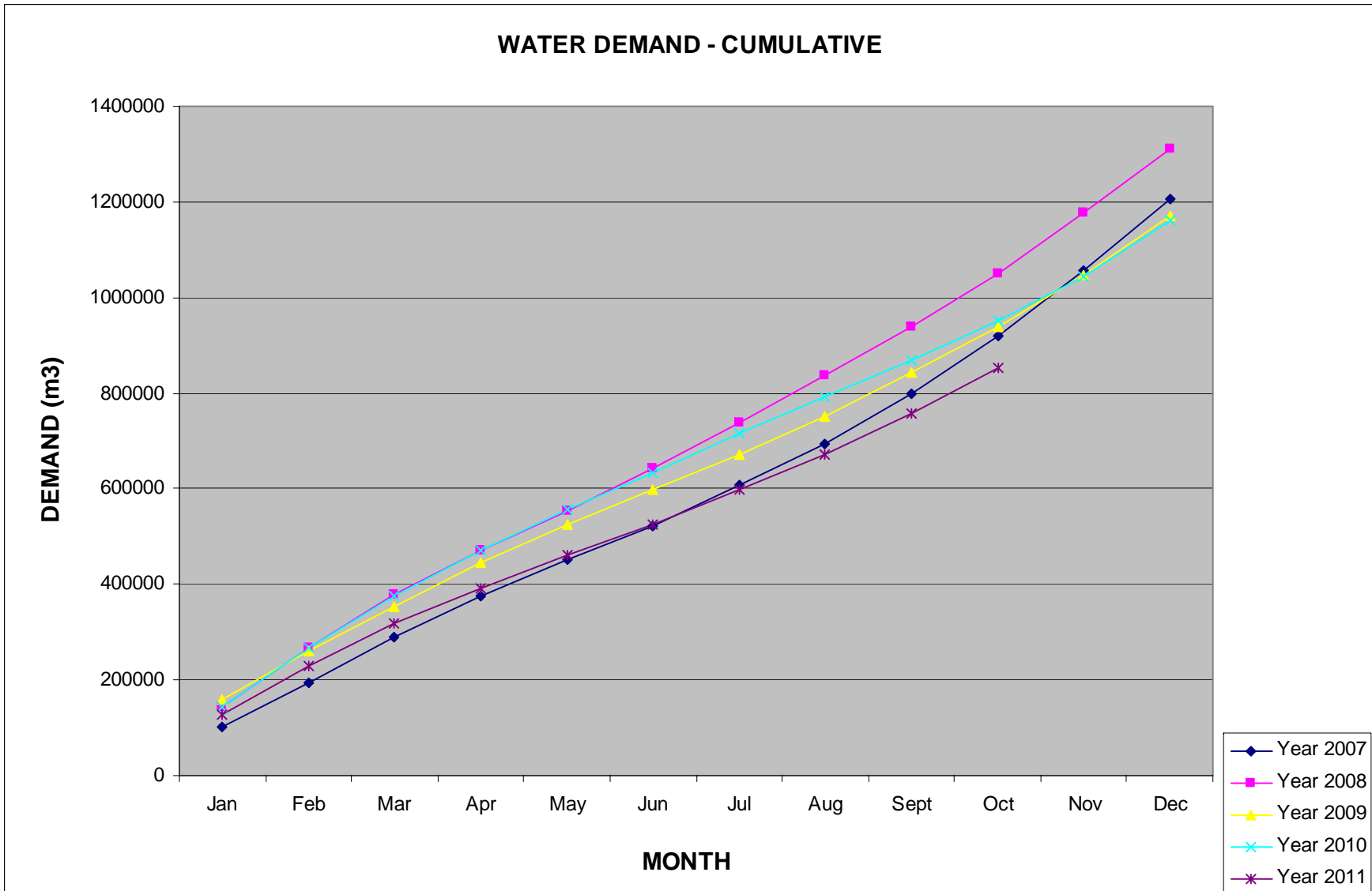


Figure 3: Yearly (calendar) Cumulative Water Demand

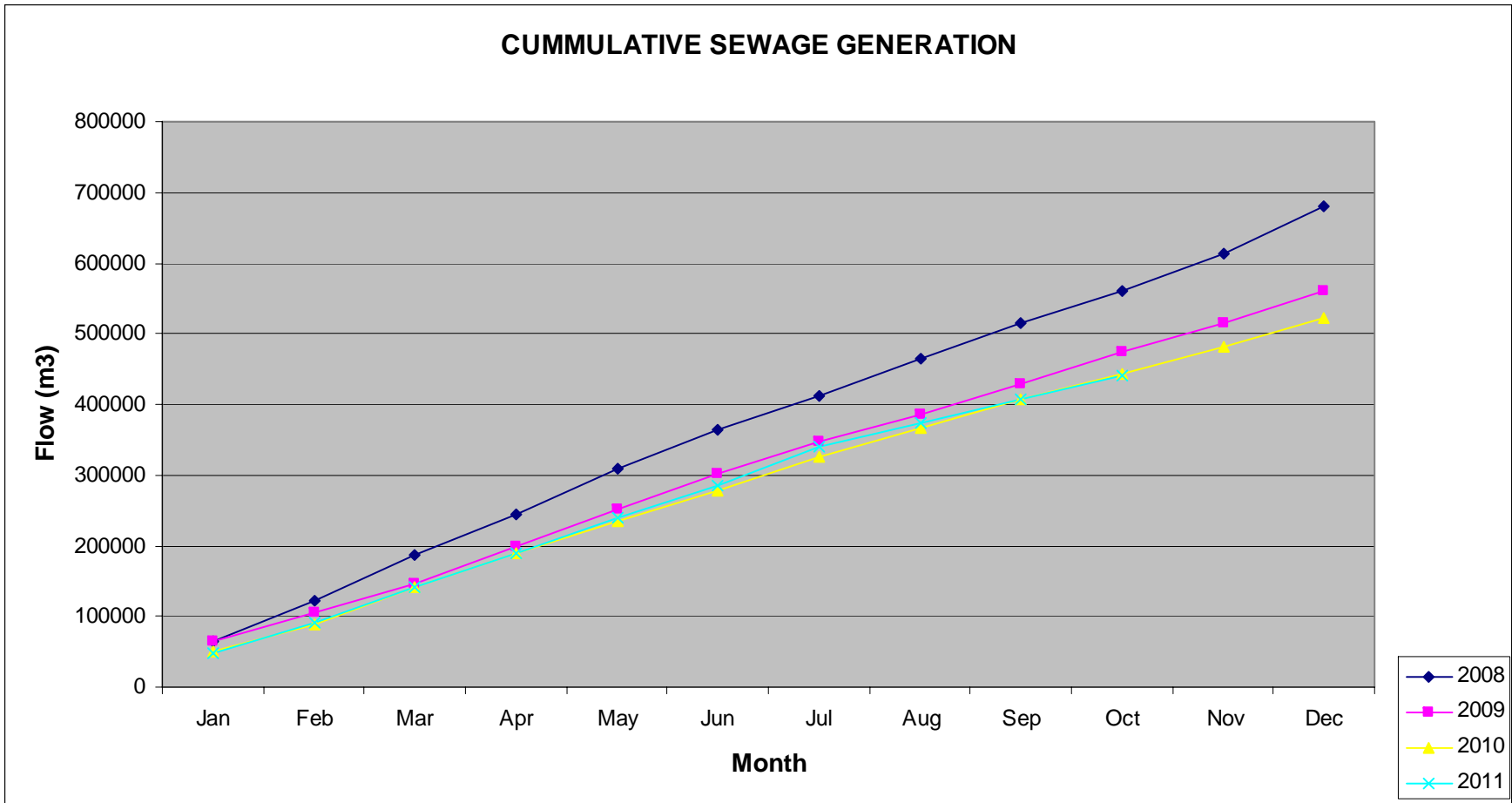


Figure 4: Yearly (calendar) Sewage Generation

# Roading Report

## 1.0 Road Network

Overall the roads are being maintained in a fairly good condition with no major issues to report.

## 2.0 Bridge Inspection -

The contractor has priced the bridge inspection works and approval has been given to complete the priority and most urgent works.

## 3.0 Biannual Resealing Programme

We are working with Fulton Hogan regarding their price and they will be submitting a revised price for our consideration.

## 4.0 Seal Pavement Rehabilitation – Inland Road

The Seal Pavement Rehabilitation on Inland Road has been delayed; the works have started and expected to be completed by the mid December 2011 instead of the end of November as reported previously.

## 5.0 South Bay Parade

We are having problems with water ponding on the section of road highlighted in the map below. This has been an issue for many years and is very bad for the road and also unsightly. We are looking at installing 285 metres of kerb and channel along the affected edge with 3 sumps and soak pits to address the issue. Other options were considered but deemed to be inappropriate given the nature of the area.



If Council is happy for the works to be completed as proposed this will be completed under minor improvement works.

## 6.0 South Bay Boat Park - Seawall

In 2005, Kaikoura District Council applied for resource consent from Environment Canterbury to construct a sea wall along the boat park at Moa Road, South Bay, Kaikoura (CRC 060875). For a number of reasons the application was withdrawn.

As a result of storm events and high seas on May 27, 2010 and again in July 2010 damage was done to part of the seaward side of the South Bay Boat Park eroding the existing constructed lime stone bank. The worst area was located directly behind the fuel tanks with approximately 2.5 meters of land eroded from the area.

As a result of this erosion and the resulting high cost of maintaining the slipway, Kaikoura District Council under Section 330 of the Resource Management Act 1991 (RMA) implemented temporary emergency works to reduce/mitigate the erosion. This was necessary to protect the fuel tanks located along that section of the foreshore.

As a result of the works retrospective consent was required. Environment Canterbury recommended that Council submit an application for the emergency works and the sea wall together to save costs. We applied for the consent for the emergency works and for the seawall and these were approved by Environment Canterbury. Copies of the consents are attached for information.

### **Description of the Works**

The total length of the seawall will be approximately 148 metres starting from the existing public boat ramp and ends at the Coastguard boat house. The seawall will be constructed using selected boulders. The toe of the wall will consist of approximately 1m diameter boulders keyed into the existing natural rock base by excavation and concreting around them.

To provide protection against erosion the rocks will be placed on top of graded cobbles 100 – 150mm in diameter which will be placed directly over filter fabric. This fabric will act as a placement protection.

The seawall will be constructed at a slope of 1 in 1.5. A concrete footpath will be constructed over the entire length of the seawall on top of the crest. A 1.5m wide concrete stairway will be constructed at the beginning and end of the wall close to the boat house; this is to provide access to the beach by the public and also to the cultural pond behind the boat house. Access onto the footpath or crest of the wall from the boat park area is provided by two short stairways at the slipway point and at the boat house point.

The total cost of the seawall is estimated to be \$300,000. A plan of the proposed seawall is attached for information.

### **Recommendation**

*It is recommended that Council accept the proposed plans and allocate funding for the construction of the Seawall in the Long Term Plan.*

## 7.0 Quality

There were no quality issues during November 2011

## 8.0 Environmental

There were no environmental issues during this reporting period.

## 9.0 Traffic Control

There were no traffic control issues to report for the period.

## 10.0 Monthly Performance Report – November 2011

Performance Indicators	Type	Response	Response	Number	Outside Period	% Acceptable
Potholes	Strategic	2 Days	2	0	0	
Potholes	Local	7 Days	7	2	0	100%
Detritus & Slip Removal	Strategic	2 Days	2	0	0	
Detritus & Slip Removal	Local	7 Days	7	0	0	
Drainage	All	12 Hours	1	2	0	100%
Unsealed Pavement Potholes	Local	7 Days	7	287	0	100%
Unsealed Pavement Digouts	Local	6 Weeks	42	0	0	
Edge Marker Post	All	7 Days	7	0	0	
Signs and Chevrons	All	24 Hours	1	1	0	100%
Sight Rails and End Markers	All	48 Hours	2	0	0	

## 11.0 Inspections

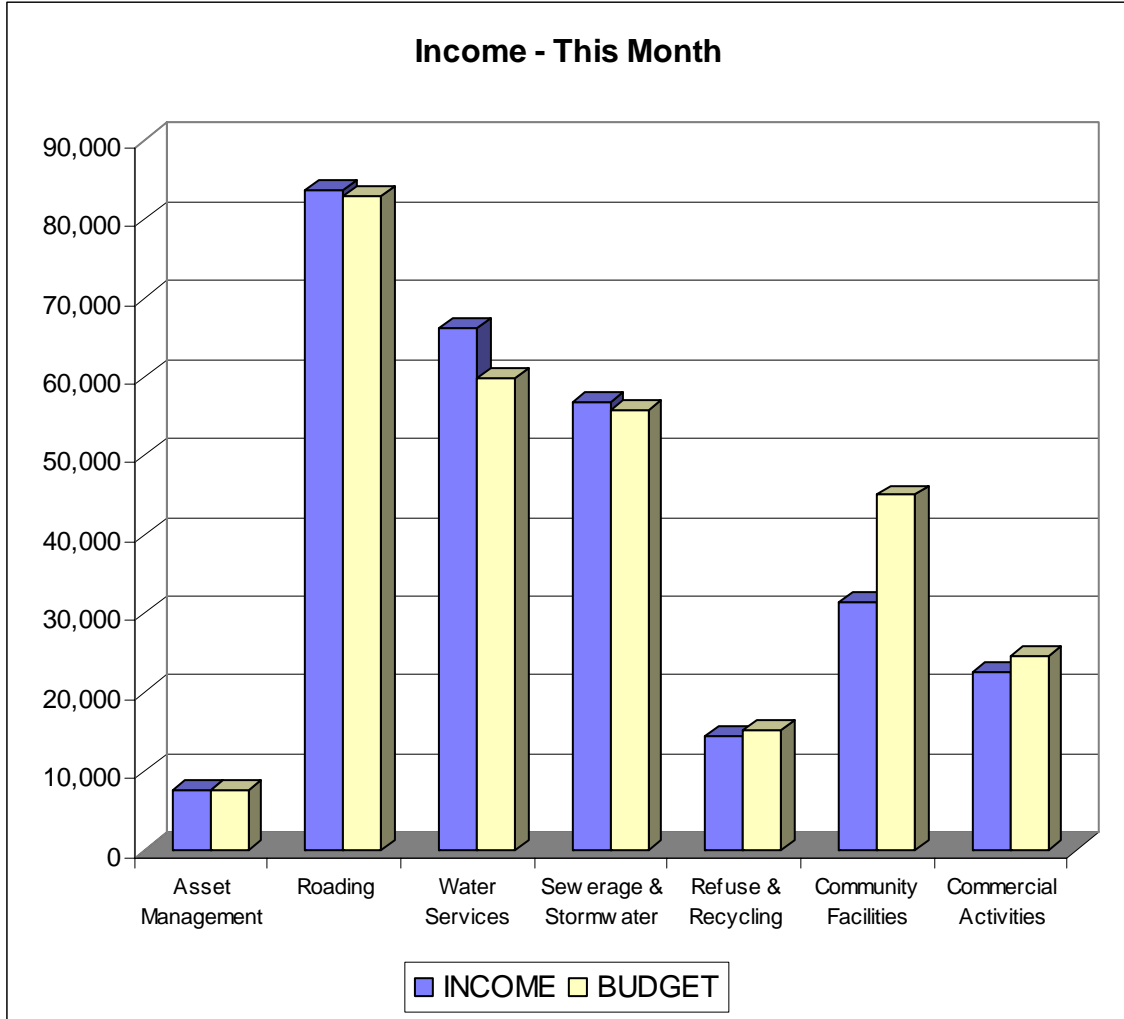
The monthly roading inspection is being carried out as specified.

## 12.0 Summary of Work Completed in the Period November 2011

Road Name	Potholes	Other Sealing	Emergency Work	Grading	Surface Debris	Drainage	Markerposts	Signs
AVOCA STREET						Unblock drain Jimmy Armers		50/50 sign
BAY PADDOCK ROAD						Digout swail		
BLUNTS ROAD				Graded				
DAIRY FARM ROAD				Graded				
ELLERTON VALHALLA ROAD		Patch gravelling						
ESPLANADE ROAD						Unblock stormwater drain outside Betty's Liquor Store		
GLEN ALTON ROAD				Graded				
GRANGE ROAD				Graded	Open Jim Mortons crossing			
GREEN LANE				Graded				
HARNETTS ROAD						seal around culvert		
INLAND ROUTE RS00/0							EMP 2 culvert pegs 6 numbers	
INLAND ROUTE RS16/0							2 culvert pegs and 12 numbers	new post for Humbug Bridge sign
KIWA ROAD				Graded				
KOWHAI FORD ROAD				Graded				
MATARIKI ROAD				Graded				

MCINNES ROAD				Graded				
MOUNT FYFFE ROAD	28 potholes repaired	Patch gravelling						
POOLES ROAD	25 potholes repaired							
POSTMANS ROAD				Graded				
PUHI PUHI ROAD	147 potholes repaired			Graded	Open Jordon stream Ford and John Mortons Ford			
RED SWAMP ROAD				Graded				
RORRISONS ROAD			Remove tree across road					
SCARBOROUGH STREET								50/50 sign
SCHOOLHOUSE ROAD				Graded				
SCOTTS ROAD				Graded				
SILVER SPRINGS ROAD				Graded				
SKEVINGTONS ROAD				Graded				
TOPLINE ROAD	87 potholes repaired							
WAIAUTOA ROAD				Graded				
WAIPAPA ROAD				Graded				
WILDERNESS ROAD				Graded				
YARMOUTH STREET	2 potholes repaired							

# Works & Services Budget Report



### Expenditure - This Month

