

**KAIKOURA DISTRICT COUNCIL WORKS AND SERVICES
COMMITTEE MEETING HELD ON WEDNESDAY 17
AUGUST 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 20/07/2011

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4. Reports:

- **Works and Services Report**
- **Roading Report**
- **Works and Services Budget Report**

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5. Urgent Business

WORKS AND 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 8 on page 6 below shows the yearly cumulative water demand since 2007.

<i>Water Demand (m³/day)</i>				
	<i>Min (m³)</i>	<i>Avg (m³)</i>	<i>Max (m³)</i>	<i>Total Demand (m³)</i>
<i>May 2011</i>	1980	2219	2465	68782
<i>June 2011</i>	1824	2160	2530	64822
<i>July 2011</i>	2154	2308	2803	71556

Table 1: Water Demand for reporting period

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

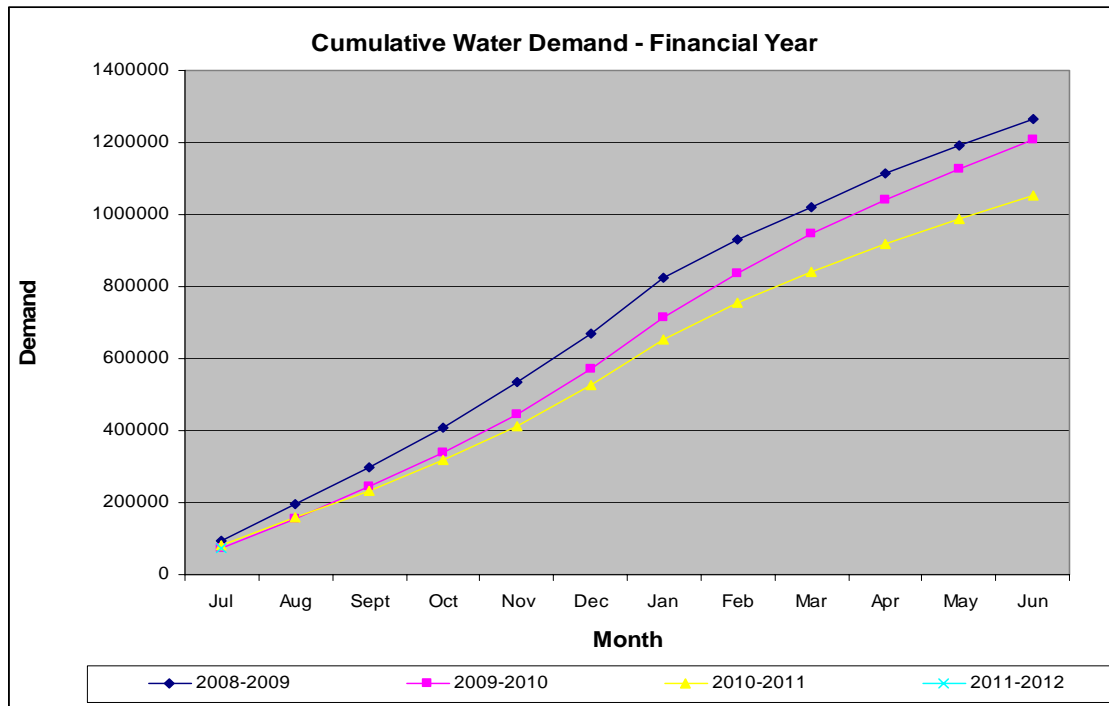


Figure 1: Financial Year cumulative Demand

Kincaid Water Supply

The installation of the Kincaid treatment system has been completed. The system operated fairly well however due to the required fittings on the filter the flow into the tank has dropped resulting to slow filling of the concrete tank. We are currently sourcing a booster pump to install parallel to the gravity system to compensate for the low flows reaching the final tank. In addition the integration of the new system into the telemetry is currently being worked on.



Figure 2: Newly build treatment Shed - Kincaid Supply



Figure 3: New UV and Cartridge Filtration System

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

Peninsula Tank

We have received a copy of the signed document from the Ministry of Health giving approval for the contract timeframe to be extended until December 2012.

Chorus has requested a valuation on the new tank site, this was forwarded to them and we are waiting for them to update us on progress.

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 9 on page 7 shows the sewage generation to date in comparison to previous years.

The total flow for the month of July 2011 was approximately 55,196m³. From the 8th of July up to and including the 27th of July the flows into the sewer system were very high for this time of the year.

<i>Sewage flows (m3/day) – Mill Rd</i>			
	<i>avg</i>	<i>max</i>	<i>Total Flow</i>
May 2011	1630	1926*	50542
June 2011	1581	1984*	47424
July 2011	1781	2231	55196

Table 2 : Sewage generated for reporting period

The measured Dissolved Oxygen (DO) averaged 9.4mg/l for the reporting month.

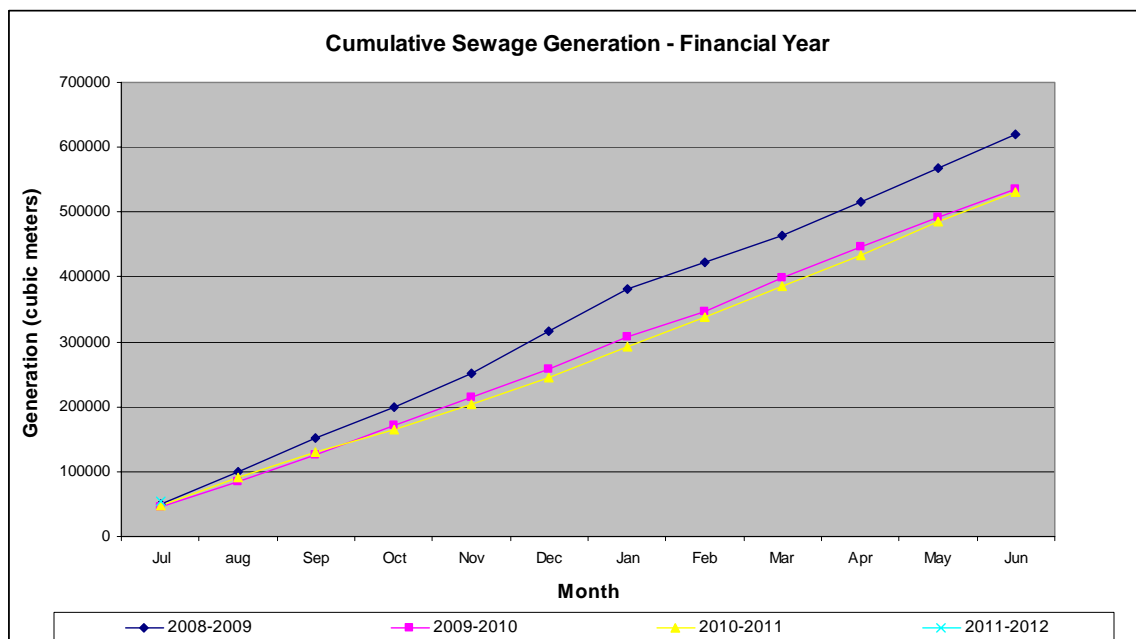


Figure 4: Financial Year cumulative Sewage Generation

2.1 Sewer Renewals

Work for this project commenced on July 18th, 2011 with the welding of the pipes etc. The physical works started on August 1, 2011.

A meeting was held at the Craypot Restaurant on August 5th, 2011 with business owners/operator in the West End area. It was decided at that meeting that all work will stop on August 31, 2011 regardless of where the contractor is at. It was also agreed that the contractor re-establish on site in May 2012 and not before.

3.0 STORMWATER

Urban Stormwater

There were no major issues for the reporting month.

4.0 PARKS AND RESERVES

Majority of the parks and reserve are in fair conditions with a few areas requiring attention.

5.0 PUBLIC TOILETS

The Toilets are in fair condition.

6.0 OTHER

Esplanade Foreshore

During the reporting month significant erosion took place along the Esplanade foreshore. To mitigate further erosion a rock wall was constructed for approximately 125m as shown in the pictures below. The works were carried out in agreement with Environment Canterbury under Kaikoura District Council's beach re-nourishment consent.



Figure 5: Esplanade Erosion



Figure 6: Rock Wall to reduce the impact of erosion along Esplanade

Jimmy Armers

The cordon has been placed around the grassed area at Jimmy Armers as shown in figure 7 below.



Figure 7: Cordon around Jimmy Armers grassed area

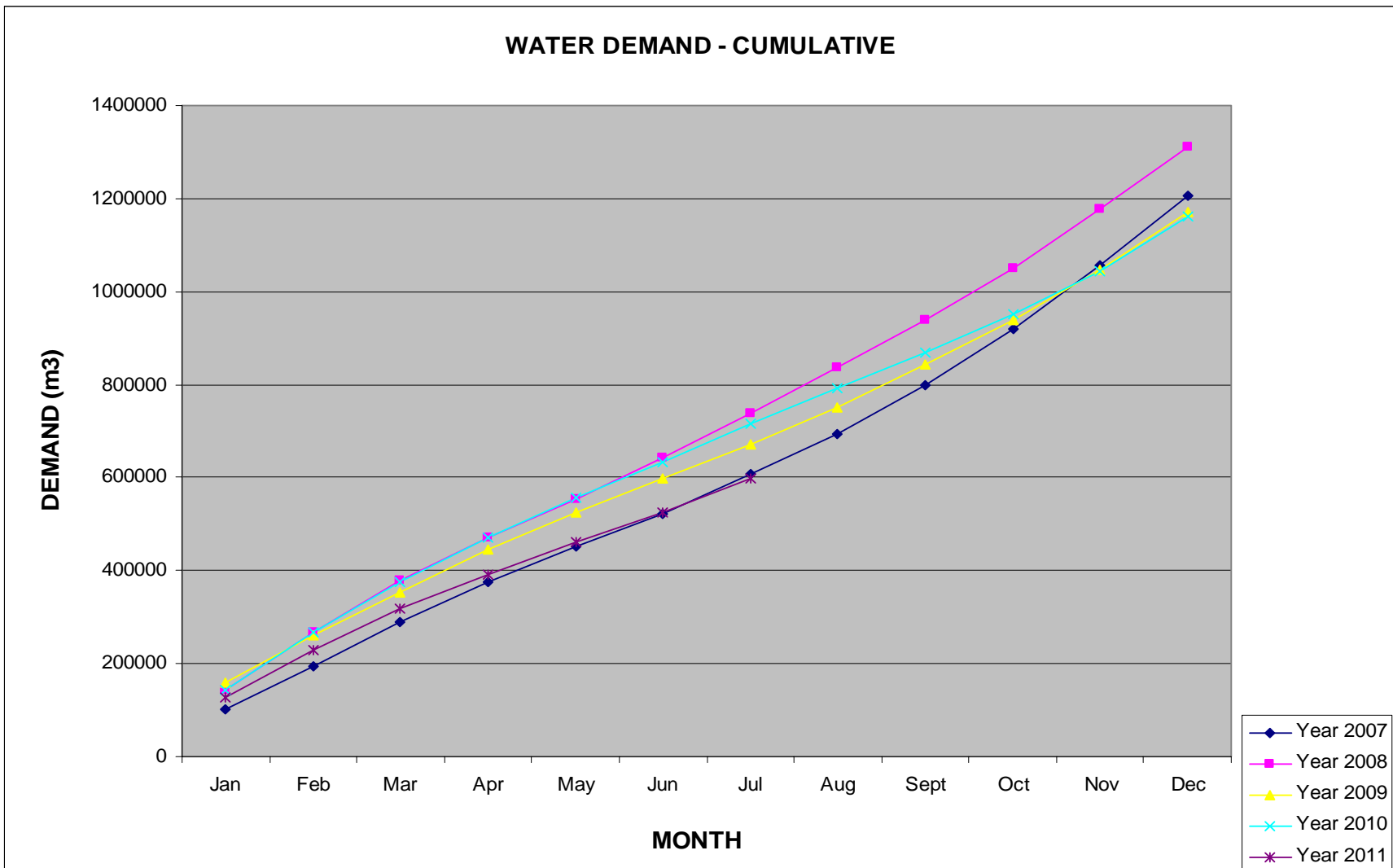


Figure 8: Yearly (calendar) Cumulative Water Demand

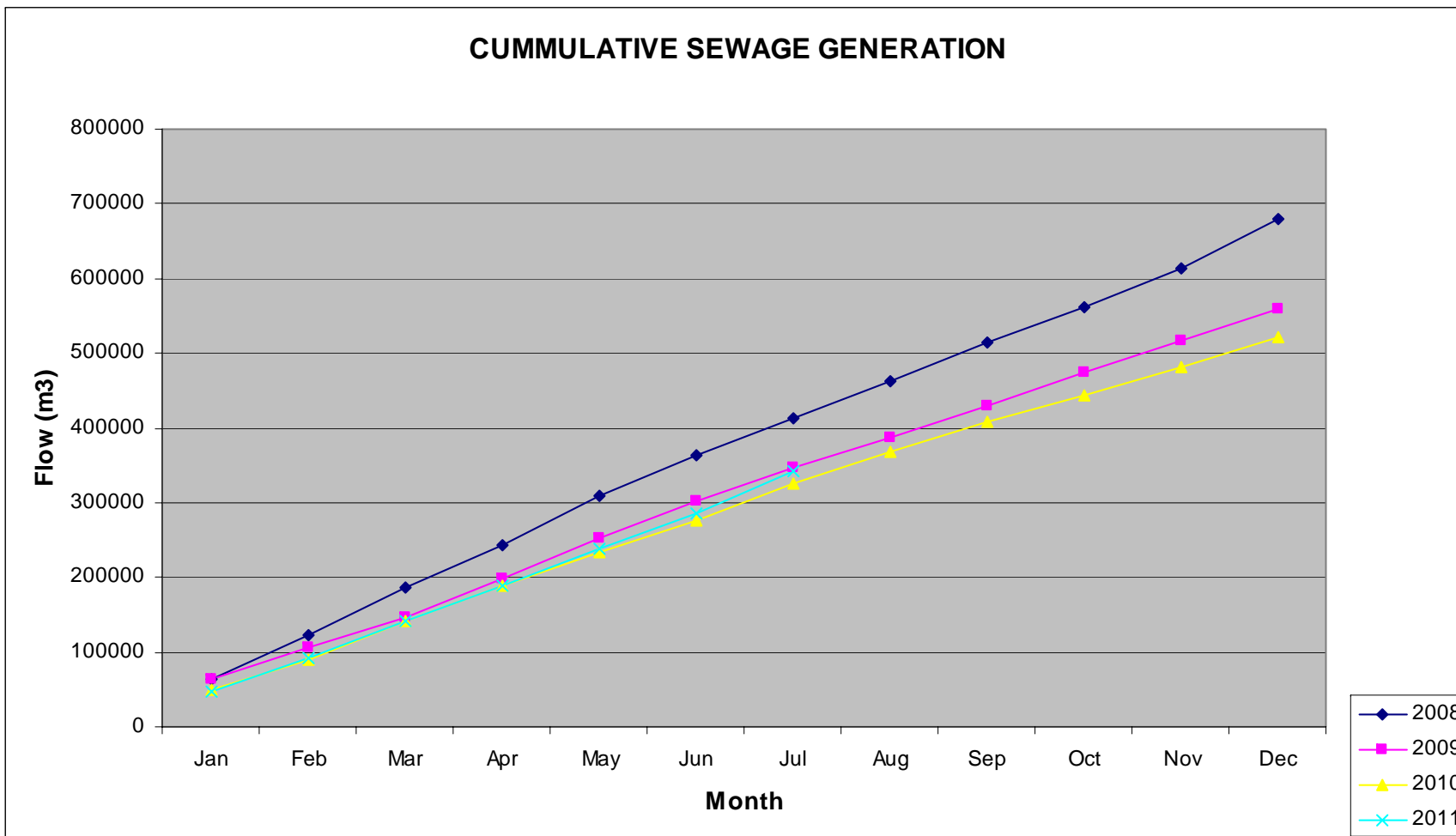


Figure 9: Yearly (calendar) Sewage Generation

ROADING REPORT

1.0 Street Lighting Upgrade - Esplanade

We reported in February that the streetlights along the Esplanade between Margate Street and Torquay Street were being replaced with six new lights and the overhead cables were being removed and that the works would be completed by the end of April 2011. The work could not be completed as reported because Mainpower needed an archaeological authority to complete the works. We have since lodged the application for the authority and expect to receive this by mid August 2011.

2.0 Bridge Inspection

The annual bridge inspections have been completed and we are expecting to get the final report by the end of August 2011.

3.0 Work Completed

In addition to other routine maintenance work the following roads were graded during the month of July 2011

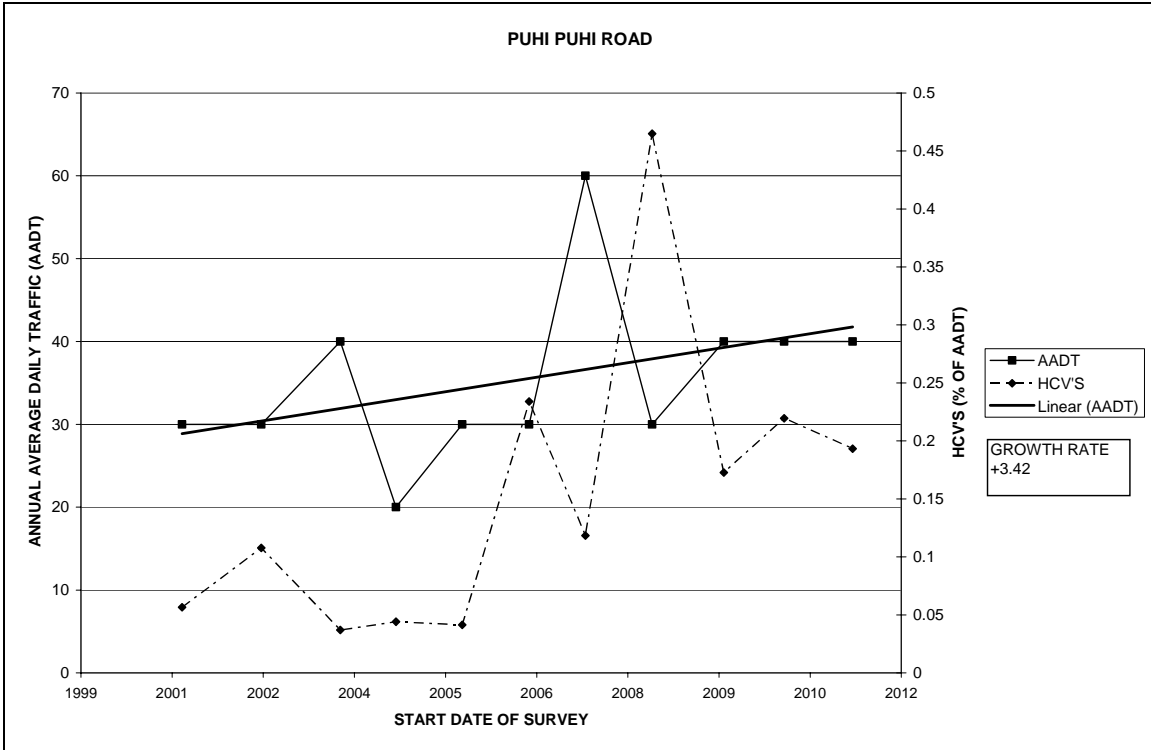
Birches Road	Kowhai Ford Road
Blue Duck Valley Road	Lovers Lane
Blunts Road	Mount Fyffe Road
Brunels Road	Pooles Road
Burrells Lane	Postmans Road
Chapmans Road	Puhi Puhi Road
Clarence Valley Road	Red Swamp Road
East Lane	Schoolhouse Road
Ellerton Valhalla Road	Scotts Road
Factory Road	Silver Springs Road
Glen Alton Road	Skevingtons Road
Glencree	Topline Road
Green Lane	Waiautoa Road
Harris Lane	Waipapa Road
Kekerengu Valley Road	Waitane Road
Kiwa Road	Wiffins Road

4.0 Traffic Count

Traffic Count for the month of July 2011 is on Puhi Puhi Valley Road and Red Swamp Road

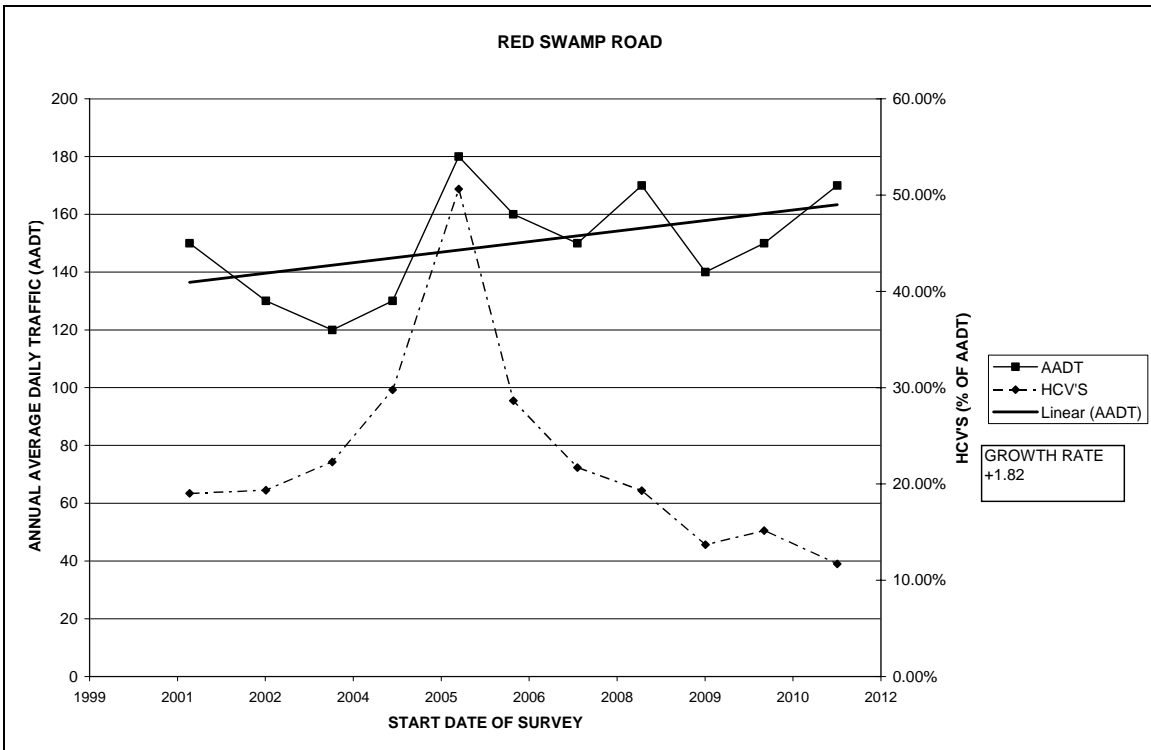
Puhi Puhi Road– 34 Vehicles per Day (vpd)

The average annual daily count 40 and the overall AADT growth rate since 2001 is 3.42%. 10.5% of the vehicles were travelling above the posted speed limit of 50kph. 10.1% were travelling between 50 and 60kph.



Red Swamp Road – 171 Vehicles per Day (vpd)

The average annual daily count from 2011 is 170 and the overall AADT growth rate since 2001 is 1.82%. 9% of the vehicles were travelling above the posted speed limit of 100kph. 6.5% were travelling between 100 and 110kPh.



Copies of the traffic count reports are sent to the Kaikoura Police for their information.

5.0 Quality

There were no quality issues during July 2011

6.0 Environmental

There were no environmental issues during this reporting period.

7.0 Traffic Control

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

8.0 Monthly Performance Report – July 2011

Performance Indicators	Type	Response	Response	Number	Outside Period	% Acceptable
Surfacing	Strategic	6 Weeks	42	1	0	100%
Potholes	Strategic	2 Days	2	2	0	100%
Potholes	Local	7 Days	7	13	0	100%
Detritus & Slip Removal	Strategic	2 Days	2	0	0	
Detritus & Slip Removal	Local	7 Days	7	6	0	100%
Drainage	All	12 Hours	1	0	0	
Unsealed Pavement Potholes	Local	7 Days	7	1865	0	100%
Unsealed Pavement Digouts	Local	6 Weeks	42	0	0	
Edge Marker Post	All	7 Days	7	26	0	100%
Signs and Chevrons	All	24 Hours	1	10	0	100%
Sight Rails and End Markers	All	48 Hours	2	2	0	100%

9.0 Inspections

The monthly roading inspection is being carried out as specified.

10.0 Summary of Work Completed in the Period July 2011

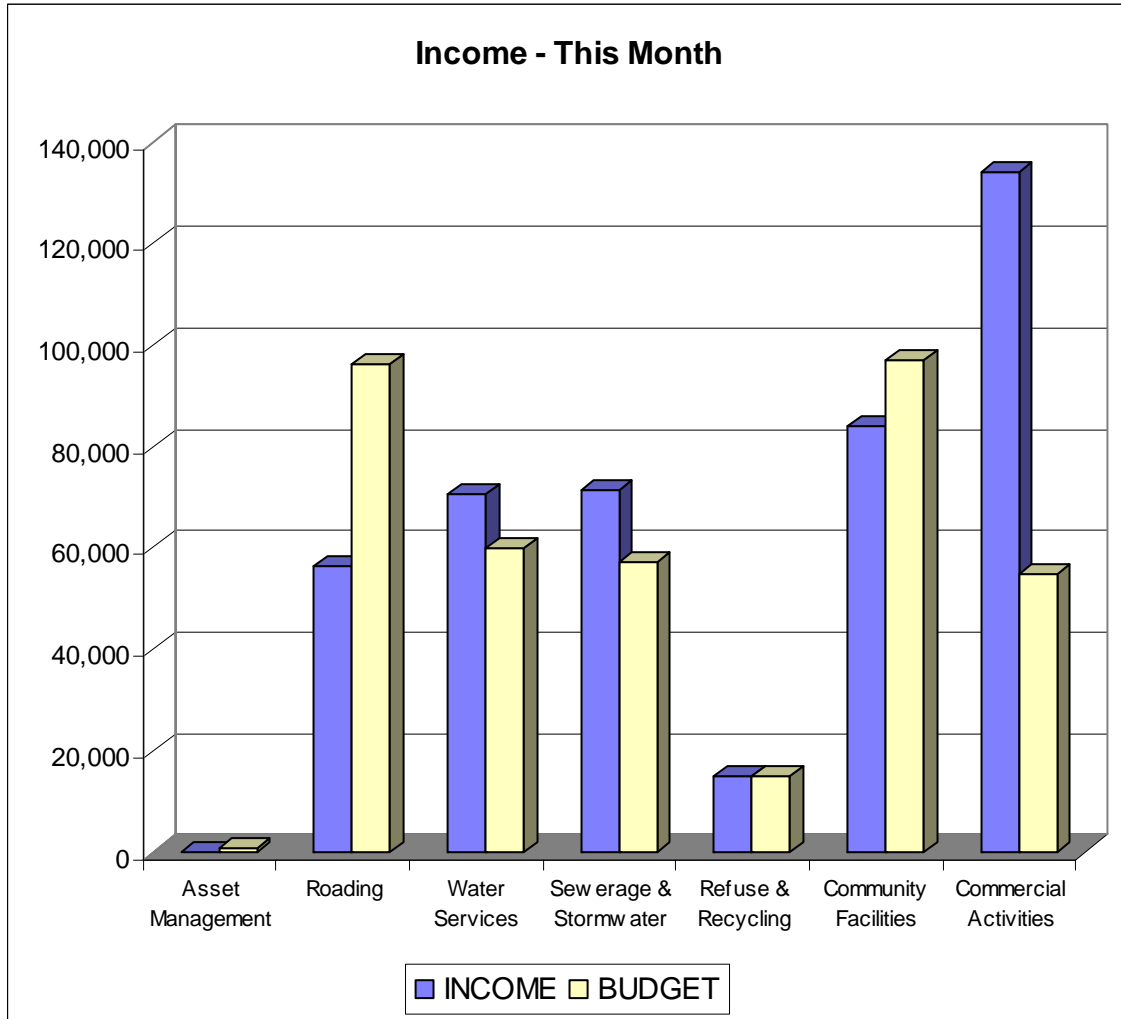
Road Name	Potholes	Other Sealing	Emergency Work	Grading	Surface Debris	Drainage	Signs	Sight Rails	Other Signage	Various
AVOCA STREET	1 pothole repaired		Ice Grit from Fyffe House to Jimmy Armers		Sweep seaweed stones etc high seas					
BAY PADDOCK ROAD			Ice Grit beginning road							
BEACH ROAD					Remove branches strong winds		Dig signs back in 100/50 speed signs x 2 - Give Way Middle Creek Bridge x 2 - Harnetts Rd sign - 3 x bidge Give Way signs for Harnetts Bridge			Top soil pond
BEACH ROAD - HAPUKU SETTLEMENT										
BIRCHES				Graded						
BLUE DUCK VALLEY ROAD	3 potholes repaired		Check for snow and slips	Graded	Remove branches strong winds					
BLUNTS ROAD				Graded						
BRUNEL ROAD				Graded						
BURRELLS LANE				Graded						
CHAPMANS ROAD				Graded						
CLARENCE VALLEY ROAD	623 potholes repaired			Graded						
EAST LANE				Graded						
ELLERTON VALHALLA ROAD		Patch gravelling		Graded						

ESPLANADE ROAD	12 potholes repaired									
FACTORY ROAD	9 potholes repaired			Graded			Dig road name sign back in			
GLEN ALTON ROAD	5 potholes repaired			Graded						
GLENCREE				Graded						
GREEN LANE				Graded						
HAPUKU ROAD	70 potholes repaired									
HARNETTS ROAD							Dig back in Give Way sign			
HARRIS LANE				Graded						
INLAND ROUTE RS00/0	2 potholes repaired	Repair seal failure	Ice Grit - Fernleigh-Blacks Cutting - Traffic Control for road closure - check for Ice and Snow							Replace 26 broken EMP
INLAND ROUTE RS16/0			Ice Grit Little Linton Bridge to top by pine trees - Greenburn - Bell Bird							
KEKERENGU VALLEY ROAD				Graded						
KILLARNEY STREET UPPER									Replace broken sight rails	
KIWA ROAD				Graded			Train sign replaced			
KOWHAI FORD ROAD				Graded						

LOVERS LANE	216 potholes repaired			Graded	remove branches strong winds					
MATARIKI ROAD	32 potholes repaired									
MCINNES ROAD	7 potholes repaired									
MOA ROAD		Spread chip boat park			Sweep slipway					
MOUNT FYFFE ROAD	3 potholes repaired			Graded						
POOLES ROAD	13 potholes repaired			Graded						
POSTMANS ROAD	2 potholes repaired			Graded						
PUHI PUHI ROAD	422 potholes repaired			Graded	remove branches strong winds		Puhi Road sign ripped off - straighten sign and reattach with bolts			
RED SWAMP ROAD	20 potholes repaired			Graded						
SCARBOROUGH STREET						Shoulder widening & culvert				

SCHOOLHOUSE ROAD	80 potholes repaired			Graded					1 White 1 Yellow BEM	
SCOTTS ROAD				Graded						
SILVER SPRINGS ROAD				Graded						
SKEVINGTONS ROAD				Graded						
TOPLINE ROAD	125 potholes repaired			Graded						
TORQUAY STREET										Top soil & grass seed by retaining wall
WAIAUTOA ROAD				Graded						
WAIPAPA ROAD	209 potholes repaired			Graded						
WAITANE ROAD				Graded						
WIFFINS ROAD				Graded						
WILDERNESS ROAD	26 potholes repaired	AP20				length of road				

Works and Services Budget Report



Expenditure - This Month

