

**KAIKOURA DISTRICT COUNCIL WORKS AND SERVICES
COMMITTEE MEETING HELD ON WEDNESDAY 17 MARCH
2010 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 17/2/2010

page 57

4. Minutes Action and Issues List Update

| MEETING | ACTION REQUIRED | BY | DATE ACTIONED |
|------------------|---|---------------|--|
| | <i>17 FEBRUARY 2010</i> | | |
| Works & Services | Follow up regarding the Basking Shark Mural interpretation. | Asset Manager | A verbal report will be provided at meeting. |
| Works & Services | Investigate puddling at the top of the new walking track behind the racecourse. | Asset Manager | A verbal report will be provided at the meeting. |
| Works & Services | Obtain a recommendation from the Police and the contractor regarding the number of CCTV cameras required in the West End. | Asset Manager | Report included in agenda refer page 3 |
| Works & Services | Provide a report on Gooches Beach toilets | Asset Manager | Report included in agenda refer page 3 |

5. Reports:

- **Works and Services Report** *page 1*
- **Roading Report** *page 6*
- **Works and Services Budget Report** *page 16*

6. 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 operating month with no major problems.

We have received some complaints regarding staining of laundry at some motels however samples taken at both water source and at the complainant properties has shown no elevation in the three parameters (Copper, Iron and manganese) that is likely to cause staining.

Operations – Suburban Supply

During the reporting month a section of the line serving the suburban area was damaged by someone doing private work. As a result dirty water entered the system which affected approximately 5 properties. Fulton Hogan responded, repaired and flushed the line. There were no other major operational problems with the suburban supply 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 1 on page 4 shows the yearly cumulative water demand since 2006.

For the month of February 2010 the water demand was 121,701m³ whereas for the month of January 2010, the total water demand was 144,433m³.

| <i>Water Demand (m³/day)</i> | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|---|
| | <i>Min (m³)</i> | <i>Avg (m³)</i> | <i>Max (m³)</i> | <i>Total Demand (m³)</i> |
| <i>Dec 2009</i> | 2938 | 4157 | 5267 | 124,698 |
| <i>Jan 2010</i> | 3684 | 4659 | 5635 | 144,433 |
| <i>Feb 2010</i> | 3471 | 4346 | 5530 | 121,701 |

Table 1: Water Demand for reporting period

Kincaid Water Supply

During the reporting month there was one major issue within the Kincaid Scheme. Properties within the Grange Road area were without water or not getting water. Once investigated it was found that the valve was blocked with stones. This was however corrected.

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

Works funded by the Capital Assistance programme are underway.

1. ***Fords Tank*** – The works for the construction of this 1500m³ storage tank is underway, the earthworks have been completed and so too has the concrete foundation. The suppliers of the tank have indicated that the tank will arrive onsite mid March 2010.

2. **Peninsula Tank** – The works for the installation of this tank have not commenced as Council is still in the process of getting permission from the land owners regarding the selected site to erect the tank.
3. **Reticulation system** – It is anticipated that the physical works will be implemented within the next 2 weeks.

2.0 SEWER SYSTEM

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

The total flow for the month of February 2010 was approximately 40,178m³ approximately 9000m³ less than the month of January 2010 which was 49,370m³.

| <i>Sewage flows (m3/day) – Mill Rd</i> | | | |
|--|------------|------------|-------------------|
| | <i>avg</i> | <i>max</i> | <i>Total Flow</i> |
| <i>Dec 2009</i> | 1414 | 1770 | 43,846 |
| <i>Jan 2010</i> | 1593 | 1842 | 49,370 |
| <i>Feb 2010</i> | 1435 | 1581 | 40178 |

Table 2 : Sewage generated for reporting period

The measured Dissolved Oxygen (DO) averaged 2.2mg/l for the reporting month.

Sewer Renewals

In addition to the previous proposals regarding the renewal of the Churchill Street/Whitby Place sewer line we have been supplied a proposal from SYMTHE Contractor located in Cambridge. The proposal is for directional drilling in some areas and open trench in others. The proposal was incomplete and we are in the process of going back to this contractor with additional information so that his proposal can be more reflective as to the existing situation rather than providing us with average costs based on what prevails for the size pipe he is proposing.

Once we are in receipt of this document we will provide Council with a complete report and also our recommendation as to how we should proceed with the works.

Aerated Lagoon

The preliminary design for the new aerated lagoon is almost complete. To date the following has been done:

1. Geotechnical investigation.
2. Surveying of the site
3. Preliminary sizing based on kinetics

4. Aeration equipment selection
5. Drafting of resource consent application and assessment of environmental effects

Other items that are presently been worked on are:

1. Rearranging/re-sifting of screens
2. Details of pond layout inclusive of piping arrangements
3. Liner(s) selection

Once the above have been completed the designed will be peer reviewed prior to being sent out for tendering and lodging of Resource consent application.

3.0 STORMWATER

Urban Stormwater

There were no major issues for the reporting month.

Rural Stormwater

During the reporting month Council staff has not progressed this but will be in the coming weeks.

4.0 PARKS AND RESERVES

The parks and reserve area are in fair condition with no major work and or complaint for the reporting period.

5.0 PUBLIC TOILETS

During the reporting period the major malfunction was with the Gooches beach toilet.

The sewer lateral serving this premises as well as the Lion's pool developed a reverse fall which resulted to overflowing of sewage on the grounds of the facility. Prior to any digging of the area Ezi-flow drain of Blenheim was asked to CCTV the lateral so that we could establish the location and problem that was causing the overflow. Once this was done East Coast Plumbing was asked to correct the problem which was carried out over approximately 3 days.

To date there has been no issue with the line nor has there been any complaint regarding overflowing sewage.

6.0 CCTV – West End/High Street

We have spoken with the police regarding the need for additional cameras. A meeting has been arranged and possible site visit with the Contractor, police and council staff so that an agreement can be reached regarding extent and requirement of CCTV coverage within this area.

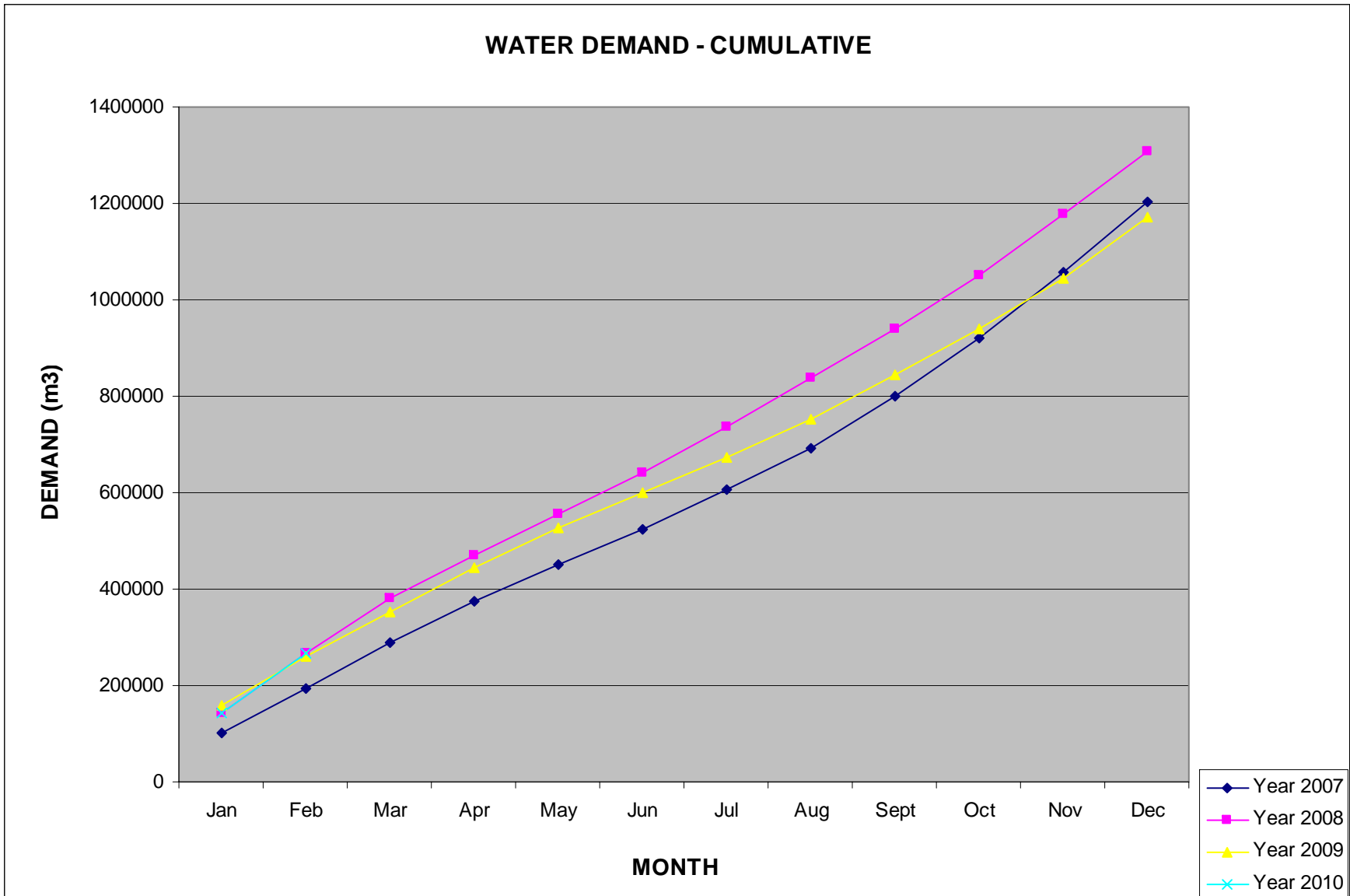


Figure 1: Yearly Cumulative Water demand

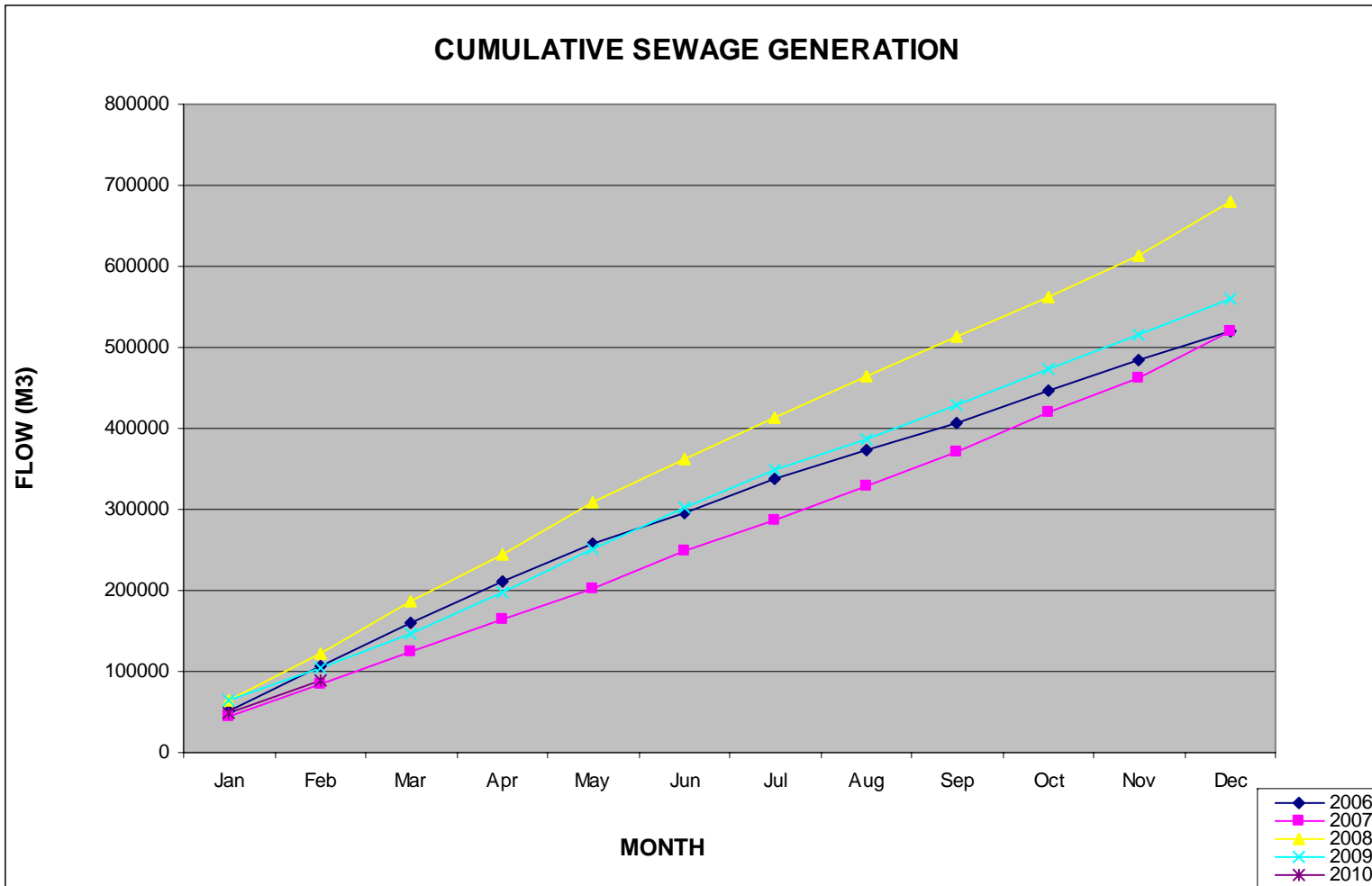


Figure 2: Yearly Sewage Generation

ROADING REPORT

1.0 Reseal Contract

The resealing contract for 2009/10 did not commence as scheduled but the contractor is committed to completing this work by March 12th 2010 as per the contract agreement.

2.0 Routine Bridge Inspections

The routine bridge repair works is in progress and is scheduled to be completed by the end of the financial year.

3.0 SHI - South Bay Footpath Link (Behind Racecourse)

The construction of the footpath behind the racecourse is now completed.

4.0 Stock Crossings

Work on this is progressing, the physical works to construct the concrete crossings cannot commence until after the milking season.

5.0 Cycle Stand: West End

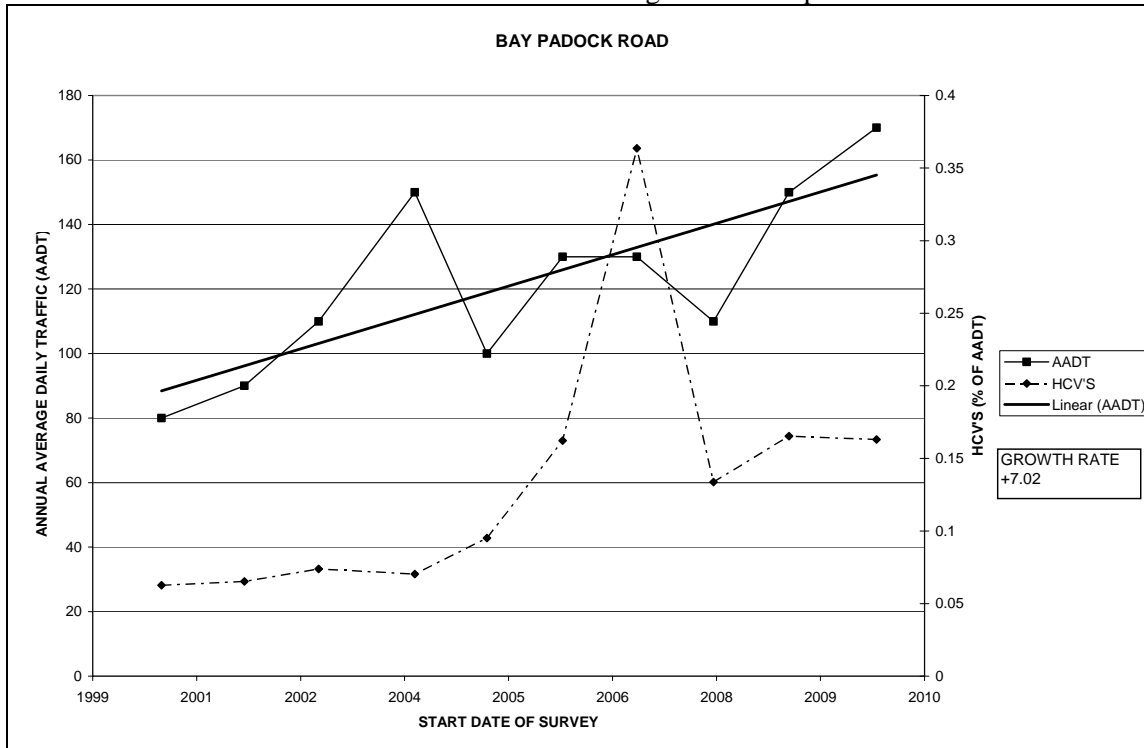
The fabrication of the bike stand is in progress and the contractor has progressed significantly with the fabrication of the whale stand.

6.0 Traffic Count

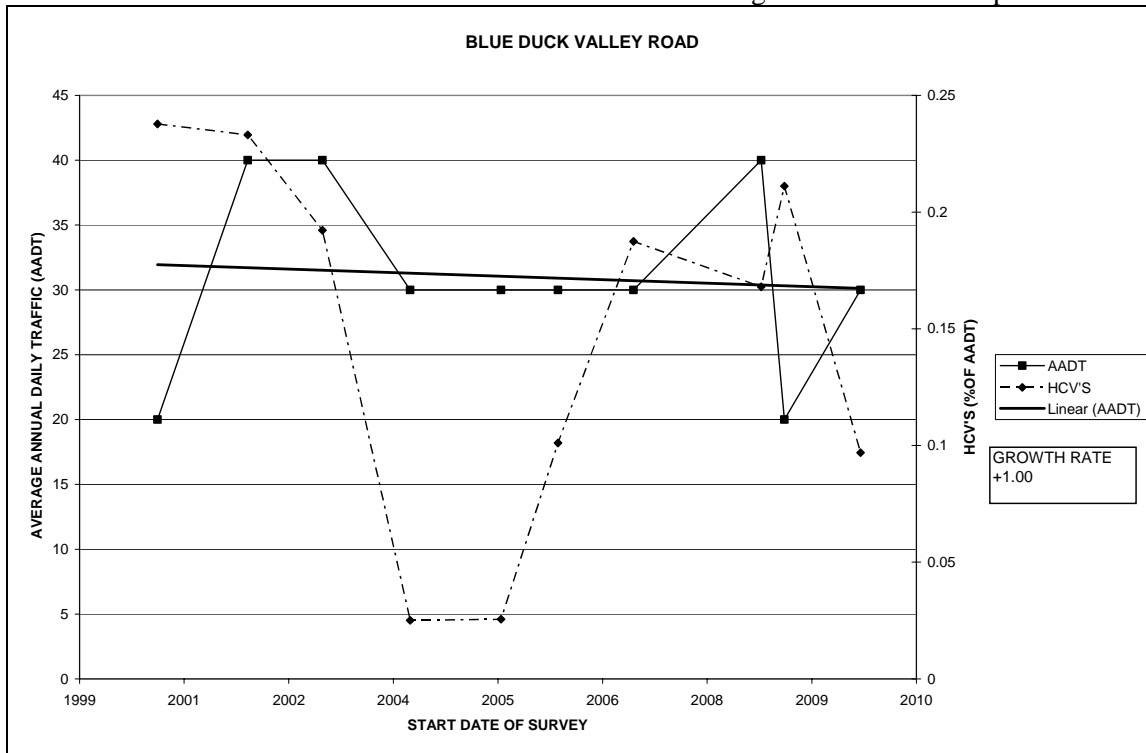
Traffic counts for the month of February 2010 included the following roads;

Bay Paddock Road 168 Vehicles per Day (vpd)
Blue Duck Valley 32 (vpd)
Old Beach Road – 175 (vpd)

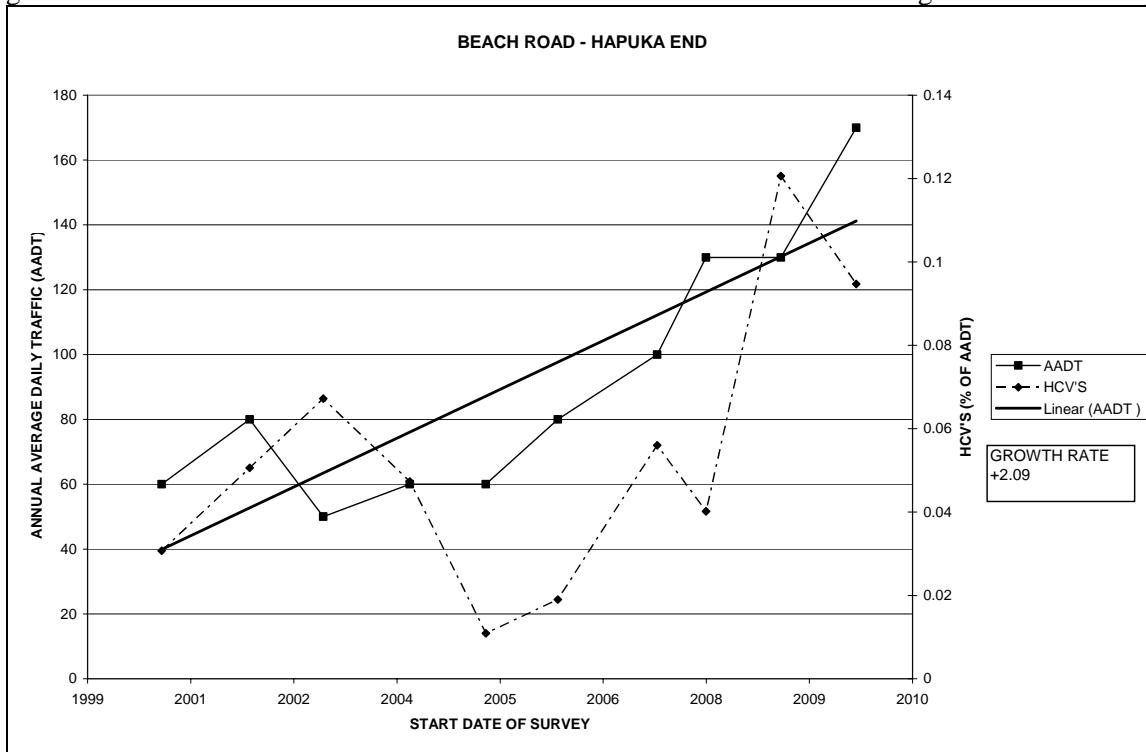
The vehicle movement on Bay Paddock Road is steadily increasing since 2007. The overall growth rate since 2000 is 7.02%. 5.7% of traffic was travelling above 100kph.



The average daily count for Blue Duck Valley from 2001 to 2010 is 31 and the overall AADT growth rate is 1.0% since 2000. No vehicles were recorded as travelling at more than 100 kph.



The graph trend for Old Beach Road shows an increase in vehicle movement and the overall AADT growth rate is 2.09% since 2000. 20 vehicles 1.6% were recorded as travelling at more than 50 kph.



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

7.0 Quality

There were no quality issues during February 2010.

8.0 Environmental

There were no environmental issues in February 2010.

9.0 Traffic Control

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

10.0 Vegetation Control

The mowing of the flats is completed

11.0 Emergency Work

Nothing of significance to note

12.0 Inspections

The monthly roading inspection is being carried out as specified.

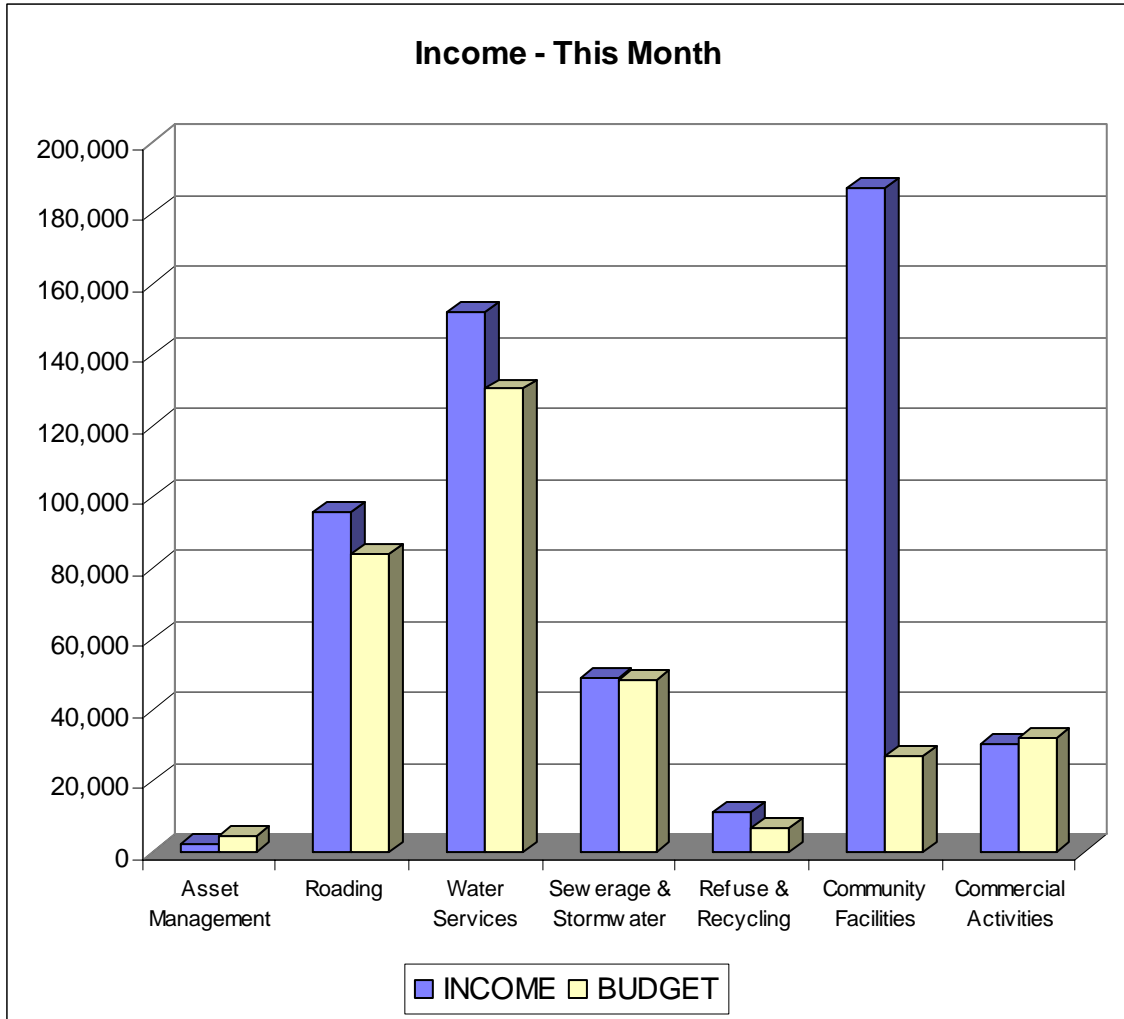
13.0 Monthly Performance Report

| Performance Indicators | Type | Response | Number | Within Period | % Acceptable |
|-----------------------------|-----------|----------|--------|---------------|--------------|
| Surfacing | Strategic | 6 Weeks | | | |
| Surfacing | Local | 8 Weeks | | | |
| Digouts | Strategic | 6 Weeks | | | |
| Digouts | Local | 8 Weeks | | | |
| Depressions | Strategic | 6 Weeks | | | |
| Depressions | Local | 8 Weeks | | | |
| Edge Break | Strategic | 6 Weeks | | | |
| Edge Break | Local | 8 Weeks | 28 | 28 | 100% |
| Shoulder Maintenance | Strategic | 6 Weeks | | | |
| Shoulder Maintenance | Local | 8 Weeks | | | |
| Potholes | Strategic | 2 Days | | | |
| Potholes | Local | 7 Days | | | |
| Detritus & Slip Removal | Strategic | 2 Days | | | |
| Detritus & Slip Removal | Local | 7 Days | | | |
| Drainage | All | 12 Hours | | | |
| Unsealed Pavement Potholes | Local | 7 Days | 620 | 620 | 100% |
| Unsealed Pavement Digouts | Local | 6 Weeks | | | |
| Edge Marker Post | All | 7 Days | | | |
| Signs and Chevrons | All | 24 Hours | 3 | 3 | 100% |
| Sight Rails and End Markers | All | 48 Hours | | | |

14.0 Summary of Work Completed in the Period

| Road Name | Potholes | Edge Break | Emergency Work | Grading | Signs | Vegetation |
|--------------------------------|----------------------|------------|----------------|--------------------|--|------------|
| BAY PADDOCK ROAD | | 28 | | | | |
| BEACH ROAD - HAPUKU SETTLEMENT | | | | Lovers Lane Graded | | |
| FACTORY ROAD | | | | Graded | | |
| INLAND ROUTE RS00/0 | 9 potholes repaired | | | | New post and new Railway Crossing sign | |
| KIWA ROAD | 63 potholes repaired | | | Graded | | |
| MILL ROAD | | | | | 100km sign broken post replaced | |
| MOUNT FYFFE ROAD | | | | Graded | | |
| RED SWAMP ROAD | | | Whey Spillage | | | |
| SCARBOROUGH STREET | | | | | reinstate 50 km sign | |
| FLATS | | | | | | Mowing |

Works and Services Budget Report



Expenditure - This Month

