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# Asset Manager's Report – August 2007

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## WATER/WASTEWATER

### Water and Wastewater Assets Valuation and Asset Management Planning

The draft reports on Valuation and Asset Management Planning for potable water and wastewater assets have been received from the respective consultants. See attachment for the Potable Water and Waste Water Valuation Summaries.

#### Wastewater

##### Timaru Road Sewer extension

The preliminary engineering report on the project is due by the end of the month.

##### Sewer network & treatment plant

No major problems were encountered.

#### Water

##### Urban Water Scheme

About a dozen leaking valves and fire hydrants were repaired during the month, as part of routine maintenance; no major problems to report.

##### Rural Water Schemes

###### **Cannington-Motukaika**

No problems were reported in water quality or the distribution network.

###### **Hook Waituna**

There was a temporary disruption of flow at the intake, due to excessive turbidity caused by heavy rains; otherwise the scheme functioned generally trouble-free.

###### **Lower Waihao**

A pipe failure along the AC gravity main was repaired. No other problems were encountered.

###### **Otaio-Makikihi**

A demand survey is being carried out in the Teschmakers Valley area to assess the viability of extending the Otaio-Makikihi scheme. This demand has been present for some time but was dependent on settling down and balancing the last expansion.

No problems were reported in the network or water quality.

###### **Waihaorunga**

There was one positive result for E-coli for the scheme; no other problems were reported.

**Waikakahi**

The scheme upgrade is now in its final stage, with additional water allocation having been made to 41 of the 52 applicants.

**Downlands**

Nothing to report on the Downlands scheme.

## ROADING

**Work Completed****Drainage**

Drainage Maintenance Old Ferry and Gumtree Flat Roads.

**Pavement Repair**

Morven Glenavy area.

**Unsealed Road Metalling**

Metalling has been completed in Waihaorunga area.

**Work Programmed****Drainage**

Drainage and culvert installation in progress at Morven Glenavy Road / McLeays Road intersection to connect to drainage works proposed by the Morven Glenavy Irrigation company; also two culverts will be installed on Morven Glenavy Road to drain low areas.

A failed culvert will be replaced on Waikakahi Valley Road.

**Pavement Repair**

Morven Glenavy area.

**SH 1 Proposed Passing Lane St Andrews**

Council have advertised for comments on the proposed passing lanes on State Highway 1 north of St. Andrews at Lyall Road intersection. Seven submissions have been received.

**Road Closure Requests****Pareora Gorge**

The South Canterbury Car Club (Inc), proposes to hold a closed road motor sport event, and has requested that the Pareora Gorge Road be closed from Evans Crossing Road to Limestone Road on Sunday 16th September 2007, from 9:00am to 5:00pm. There will be provision to allow traffic to use the road but delays of approximately 30 minutes are expected. Detours are available via Craigmere Valley/Timaunga and Limestone Roads

This application has been advertised for public comment.

Old Coach Road (Kowhatu Road to Kaiwarua Station Woolshed)

The un-maintained section of the Old Coach Road will be closed from October to November, to prevent stock disturbance during lambing. This was requested by property owners. This closure was also approved last year.

Heavy Rain 30 July

The Morven area experienced the worst of the heavy coastal rain on 30 July 2007 with reports of between 100 -150 mm received. Many roads in the Lower Waihao area were affected by flooding, with the following roads closed due to extreme flooding: Horsnells Stocks; Maori; Morven; Morven Beach; Crowes; Carrolls; Fisheries; Morven Glenavy near Crowes Rd; Old Ferry near Pikes Point Road.



**Crowes Road Flooding 31/7/07**



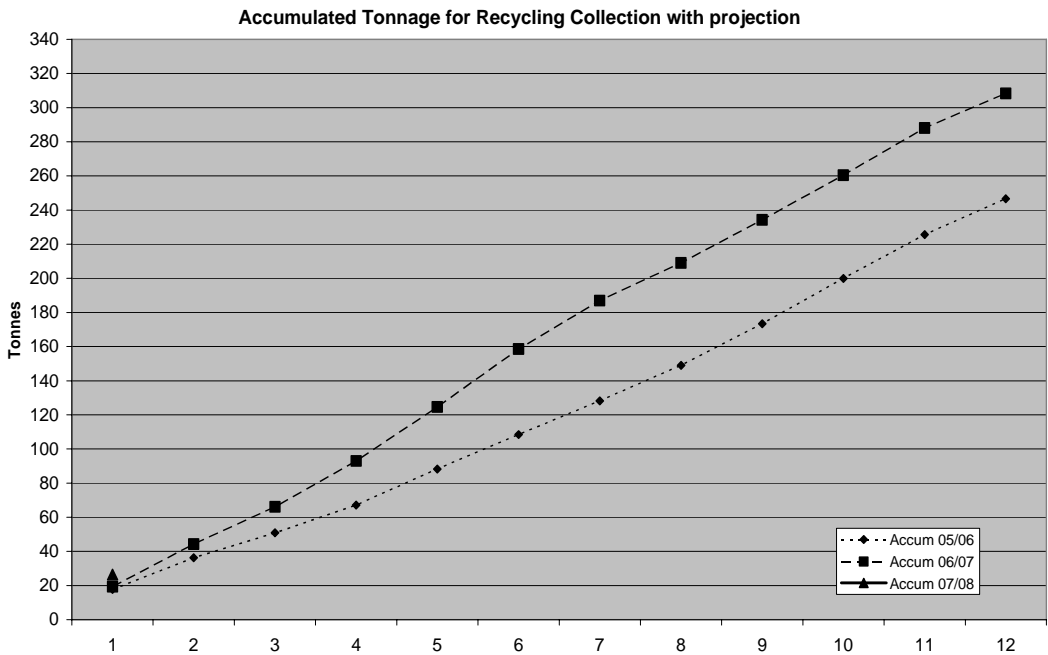
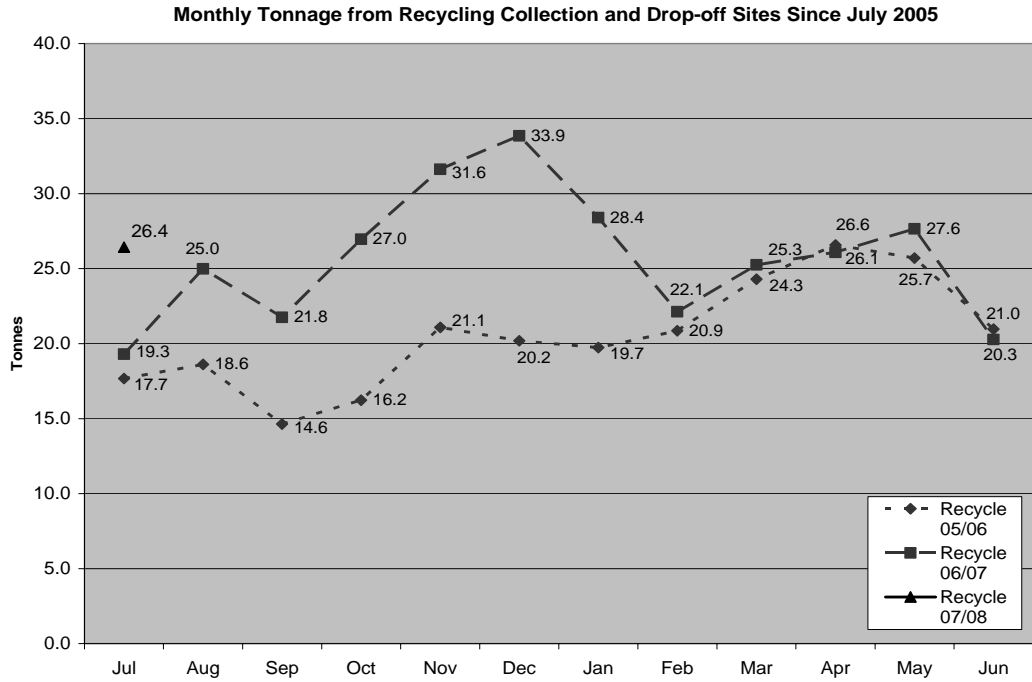
**Morven Road / Donald Street Intersection 31/7/07**

WASTE

Monthly Tonnage for Recycling Collection

The tonnage of recyclables collected this month considerably exceeded the comparable month last year i.e.26.4 tonnes vs. 19.3 tonnes.

Tonnage from the recycling collection for this financial year totalled 308 tonnes. The chart below compares the monthly and accumulative tonnages for the two years the recycling collection has been operating:



## Annual Summary of Recycling Performance

A total of 709 tonnes of recyclables were diverted from landfill including the 308 tonnes received through the collection. This total is a 23% increase over the 578 tonnes diverted in the 2005 / 2006 financial year. Information has been received from Whitehorse Recycling, detailing tonnes per material type. This commercially sensitive information is available upon request.

Below is a table comparing the last 3 years (tonnes and percentages):

	<b>2004/05</b>	<b>2005/06</b>	<b>2006/07</b>
Recycling to RRP	255 (10%)	578 (21%)	709 (25%)
Residual Waste to Landfill	<u>2396 (90%)</u>	<u>2153 (79%)</u>	<u>2105 (75%)</u>
Combined Waste Total	<u>2651 (100%)</u>	<u>2731 (100%)</u>	<u>2814 (100%)</u>

The combined waste total has increased 3% each year. This is a credible figure given the economic growth within the District. The challenge remains to divert an increasing percentage from landfill. Greenwaste delivered separately to the RRP over the same period was estimated as follows:-

Greenwaste to RRP (tonnes)	450	550	450
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The higher tonnage estimated for 2005/06 reflects the additional greenwaste received during the free greenwaste trial from February to June 2006. Further options for waste diversion are being investigated under the Solid Waste Strategy process.

## Solid Waste Strategy

Staff have been working on cost / funding scenarios that are designed to cost-effectively divert additional material from the waste-stream currently being landfilled, especially greenwaste. It is estimated that approx 500 tonnes of greenwaste is accepted through the greenwaste collection each year, representing about 25% of landfilled waste. One challenge is to recover sufficient revenue to offset costs. Options are to be discussed further in an upcoming Waimate Waste Management Strategy Review Meeting scheduled for late August or early September 2007.

## Tonnage to Landfill

Tonnage to landfill for the month of July 2007 was 143.7 tonnes compared to 140.4 for the comparable period last year.

Since December 2006 the monthly tonnages have exceeded the previous years comparable period, by the following:

Jan 2007	+ 3.89
Feb 2007	+11.98
Mar 2007	+11.82
Apr 2007	+11.02
May 2007	+29.71
Jun 2007	+14.47
July 2007	+ 3.35

## Glass Storage

A trench has been dug in the cleanfill area, east of Waimate landfill, to facilitate the medium term storage of glass. As glass is an inert material there are no emissions from the in-ground storage, with no detrimental effects to the environment. Whitehorse Recycling proposed this temporary solution recently, in order to create a

surplus of large wooden boxes, currently used to store glass from the recycling collection.

As there seems to be no viable market for glass in the immediate future, this is the most cost effective course of action. A local businessman is investigating building a mobile glass crusher, which could make it a more convenient to use, marketable material.

### Lakeside Camps Recycling

Discussions held between the Solid Waste Manager, the Parks Superintendent and Whitehorse Recycling have concluded that a trial to provide better recycling facilities at one of the four main camping sites (Te Akatarawa) would be the best way forward. It is believed that with better signage and supervision, contamination will be kept within acceptable limits. This site was chosen for its moderate size and camper goodwill. Costs are to be kept within the existing Parks & Reserves budget.

### Resource Recovery Park Patronage

Gate revenue at the RRP for the period 1 July to 7 August 2007 is \$2,159 almost exactly the same as for the comparable period last year. This would project to annual revenue of \$32,000 excl. GST (vs. a budget item of \$25,000 excl GST), with approximately 6,800 visitations.

G Hamilton  
**Asset Manager** - 10<sup>th</sup> August 2007

## Valuation of Water &amp; Wastewater Assets 2007: Summary

	Asset Description	Replacement Cost		Depreciated Replacement Cost		Annual Depreciation	
		2007	% Variation over 2004	2007	% Variation over 2004	2007	% Variation over 2004
<b>WASTEWATER</b>	Sewer reticulation	\$9,673,000	11	\$3,770,000	-8	\$96,300	19
	Treatment Plant	\$2,341,000	18	\$1,944,000	12	\$30,200	6
	<b>Total:</b>	<b>\$12,014,000</b>	<b>13</b>	<b>\$5,714,000</b>	<b>-2</b>	<b>\$126,500</b>	<b>10</b>
<b>POTABLE WATER</b>							
<b>Waimate Urban</b>	Non-pipe Assets	\$3,422,000	19	\$1,394,000	51	\$116,000	61
	Pipe Assets	\$7,117,000	21	\$2,050,000	22	\$77,000	20
	<b>Total:</b>	<b>\$10,539,000</b>	<b>21</b>	<b>\$3,444,000</b>	<b>32</b>	<b>\$193,000</b>	<b>42</b>
<b>Hook-Waituna</b>	Non-pipe Assets	\$335,000	29	\$91,000	12	\$9,700	20
	Pipe Assets	\$1,266,000	24	\$626,000	14	\$21,200	21
	<b>Total:</b>	<b>\$1,601,000</b>	<b>25</b>	<b>\$717,000</b>	<b>14</b>	<b>\$30,900</b>	<b>21</b>
<b>Lower Waihao</b>	Non-pipe Assets	\$353,000	36	\$168,000	40	\$13,400	46
	Pipe Assets	\$893,000	21	\$473,000	13	\$14,800	19
	<b>Total:</b>	<b>\$1,246,000</b>	<b>25</b>	<b>\$641,000</b>	<b>19</b>	<b>\$28,200</b>	<b>31</b>
<b>Waikakahi</b>	Non-pipe Assets	\$534,000	41	\$226,000	40	\$17,000	52
	Pipe Assets	\$1,155,000	32	\$638,000	37	\$17,300	32
	<b>Total:</b>	<b>\$1,689,000</b>	<b>35</b>	<b>\$864,000</b>	<b>38</b>	<b>\$34,300</b>	<b>41</b>
<b>Otaio-Makikihi</b>	Non-pipe Assets	\$240,000	86	\$62,000	24	\$5,500	20
	Pipe Assets	\$956,000	54	\$520,000	69	\$16,500	68
	<b>Total:</b>	<b>\$1,196,000</b>	<b>59</b>	<b>\$582,000</b>	<b>63</b>	<b>\$22,000</b>	<b>53</b>
<b>Cannington</b>	Non-pipe Assets	\$78,000	30	\$23,000	15	\$1,800	20
	Pipe Assets	\$326,000	24	\$158,000	16	\$5,000	22
	<b>Total:</b>	<b>\$404,000</b>	<b>25</b>	<b>\$181,000</b>	<b>16</b>	<b>\$6,800</b>	<b>21</b>
<b>Waihaorunga</b>	Non-pipe Assets	\$245,000	26	\$86,000	15	\$6,500	16
	Pipe Assets	\$320,000	23	\$192,000	17	\$5,000	28
	<b>Total:</b>	<b>\$565,000</b>	<b>24</b>	<b>\$278,000</b>	<b>16</b>	<b>\$11,500</b>	<b>21</b>
<b>Hakataramea</b>	Non-pipe Assets	\$77,000	N/A	\$17,000	N/A	\$2,100	N/A
	Pipe Assets	\$433,000	N/A	\$110,000	N/A	\$11,100	N/A
	<b>Total:</b>	<b>\$510,000</b>	<b>N/A</b>	<b>\$127,000</b>	<b>N/A</b>	<b>\$13,200</b>	<b>N/A</b>

The % change for the Hakataramea water scheme is not available, as this scheme was not included in the 2004 valuation.