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**Report 00.592**

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Report to the Landcare Committee  
from Graeme Campbell, Project Manager, Flood Protection Group

## **October 1998 Flood Damage Repair : Progress Report**

### **1. Purpose**

To update the Landcare Committee on the status of the October 1998 flood damage repair and improvement works, last reported to the 13 July 2000 Landcare Committee meeting.

### **2. Summary**

The main activity over the last month has been completing end of year financial accounts for the project. Physical completion of the remaining works, principally at Owen Street and Avalon berm on the Hutt River, is still held up by the current closure of the Wharfe rock quarry. An alternative rock supply source is being assessed.

In summary, at the end of the 1999/00 financial year total project expenditure was \$3,919,125 and the forecast to completion is \$4,823,945. This is \$92,198 over the project budget. The majority of the over expenditure, \$72,388, is in the Flood Damage Repair projects where additional work was carried out. This additional expenditure was funded from within the overall maintenance budgets.

The remaining \$19,810 over expenditure is in the Capital Improvement works where some of the expected under-spends did not eventuate, leaving the \$2.975M project budget forecast to be marginally over-spent; however, it is likely that the forecast Boulcott budget provision will be under-spent resulting in a favourable capital variance overall.

It is worth noting that the principal capital over-spends occur in projects which suffered further erosion after the October 1998 flood events, i.e. Traceys, Stresscrete/Lower Chrystalls, Mangahanene and Block Road. Table 1 below gives the overall breakdown of project expenditure.

**Table 1 : Project Summary Income and Expenditure Statement**

	<b>Total Approved Budget</b>	<b>Actual to 30 June 2000</b>	<b>Forecast to Complete Works</b>	<b>Total</b>	<b>Variance to Budget</b>
<b>Flood Damage Repairs</b>	\$1,756,747	\$1,594,315	\$234,820	\$1,829,135	(\$72,388) (U)
<b>Capital Improvements</b>	\$2,975,000	\$2,324,810	\$670,000	\$2,994,810	(\$19,810) (U)
<b>Total Expenditure</b>	<b>\$4,731,747</b>	<b>\$3,919,125</b>	<b>\$904,820</b>	<b>\$4,823,945</b>	<b>(\$92,198) (U)</b>

### 3. Work Progress

Only minor progress has been made on completing the outstanding works noted in the last report. The remaining debris fences at Avalon were constructed. Further work is unlikely prior to mid September when resource consent conditions allow in-channel work to resume.

The supply of rock riprap to the **Avalon Berms, Owen St, and Block Rd** projects on the Hutt River is still holding up these works. Operations staff are currently investigating alternative sources of rock from other quarries in the region to ensure they can be completed within a reasonable timeframe.

The **State Highway 1** works on the Waikanae River and the **Stresscrete** works on the Otaki River have been fully completed. All that remains is to organise an “opening” of these works, now programmed for early October. The public will be given an opportunity to visit the various sites.

There is no further progress to report on the **Boulcott** project but dialogue is continuing.

### 4. Funding and Budgets

Table 1 in the Summary above gives the overall status of the Project as at 30 June 2000 and the forecast expenditure completion. A more detailed breakdown of the expenditure and forecasts follows:

#### 4.1 Flood Damage Repair Variances (Operating Expenditure)

The overall unfavourable forecast is \$72,388. This is an \$12,500 increase from that forecast last month and is due to slightly more rock being delivered to Owen St this financial year than had been anticipated. The breakdown of forecast and expenditure is detailed in Table 2 below.

**Table 2 : Flood Damage Repair Project Variances**

Project	Budget	Actual to 30 June 2000	Forecast for 2000/01	Forecast Total Cost	Variance
	\$	\$	\$	\$	\$
<b>Hutt</b>	1,133,436	989,980	234,820	1,224,800	(91,364)
<b>Otaki</b>	442,137	404,271	0	404,271	37,866
<b>Waikanae</b>	156,124	174,562	0	174,562	(18,438)
<b>Waitohu</b>	25,050	25,502	0	25,502	(452)
<b>Total</b>	<b>1,756,747</b>	<b>1,594,315</b>	<b>234,820</b>	<b>1,829,135</b>	<b>(72,388)</b>

The remaining expenditure on the Hutt River is for the Avalon and Owen Street projects. All other flood damage repair projects are complete. Re-budgets already approved for the Avalon and Owen Street works are:

• Avalon Berms	\$ 35,820
• Owen Street	\$199,000
<b>Total</b>	<b>\$234,820</b>

## 5.2 Capital Improvement Project Variances

The current forecast for the Capital Improvement works is \$19,810 unfavourable. This is a change from a \$24,890 favourable forecast reported to the July Landcare Committee meeting. The increase in expenditure since the last Committee report (Report 00.482) has come from four main areas:

- State Highway 1 to Maple Lane – a \$54,000 increase in forecast expenditure. The costs to complete tidy up work on the project, professional fees and construction of an additional groyne at the upstream end was approximately \$35,500 greater than expected. This meant the favourable forecast detailed last month was not achieved. In addition, a further \$20,000 expenditure is still required to complete the land access negotiations at Kebbells and the opening function now programmed for the 2000/01 financial year. This means the project will finish \$2,841 over budget.
- Stresscrete – a \$6,000 increase in forecast expenditure. The main reason for this increase was a 25 percent increase in the cost of scrap rail iron and an increase in the quantity required to finish the work.
- Traceys – a \$6,000 decrease in forecast expenditure. Final construction and planting costs were less than had been anticipated.
- Mangahanene Island – a \$10,000 reduction in forecast expenditure. This reduction was mainly due to good weather allowing finishing works to be completed more quickly than anticipated.

As noted in Section 2 of the report, it is anticipated that the final position for capital projects will be an overall favourable variance.

The make up of the estimates and forecasts are detailed in Table 3 below.

**Table 3 : Capital Improvement Project Variances**

Project	Budget	Actual to 30 June 2000	Forecast for 2000/01	Forecast Total Cost	Variance
	\$	\$	\$	\$	\$
<b>Hutt River</b>					
Block Road <sup>1</sup>	300,000	336,000	18,000	354,000	(54,000)
Boulcott	735,000	3,000	632,000	635,000	100,000
<b>Subtotal Hutt</b>	1,035,000	339,000	652,000	989,000	46,000
<b>Otaki River</b>					
Stresscrete <sup>1</sup>	650,000	667,569	0	667,569	(17,569)
Traceys <sup>1</sup>	85,000	115,675	0	115,675	(30,675)
Gas Crossing	110,000	97,695	0	97,695	12,305
Mangahanene <sup>1</sup>	120,000	208,500	0	208,500	(88,500)
<b>Waikanae River</b>					
SH1 to Maple Lane	850,000	832,841	20,000	852,841	(2,841)
Otaihanga House Raising	125,000	63,530		63,530	61,470
<b>Subtotal Kapiti</b>	1,940,000	1,985,810	20,000	2,005,810	(65,810)
<b>TOTAL</b>	<b>2,975,000</b>	<b>2,324,810</b>	<b>670,000</b>	<b>2,994,810</b>	<b>19,810 (U)</b>

<sup>1</sup> These areas suffered further erosion after the October 1998 flood events

The forecast capital expenditure for the 2000/01 financial year is \$670,000 which makes the overall project forecast \$19,810 unfavourable. It is possible to reduce the forecasts to keep the project within budget, however, it is felt that the extra expenditure will achieve a better result for the Council, and that overall the capital projects will still produce a favourable variance.

It is therefore recommended that the Council proceed on the basis of the forecasts detailed in Table 3. The figures detailed in the "Forecast for 2000/01" column of Tables 2 and 3 will be included in the Year End Financial Report and financial approval will be sought through the Quarterly Review process.

## 6. Communication Opportunities

Work is progressing on the organisation of an 'opening' and public day for the State Highway 1 to Maple Lane works and the Otaki Flood Damage works. The Otaki opening will be combined with a function for the completion of the Chrystalls Stopbank works. Both events are programmed for early October 2000.

The WRC Communications staff are providing advice on the optimum timing for advising the public on the project completions. The 3 July report to the Committee suggested a press release in late July; this has been deferred.

## 7. Recommendation

*That the Landcare Committee receive the report and note the contents.*

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