



**Report**                    **04.633**  
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**Committee**            **Landcare**  
**Author**                **Graeme Campbell Consultant**

## **Jim Cooke Park River Realignment - Progress Report**

### **1. Purpose**

To update the Committee on the progress with the Jim Cooke Park River Realignment project on the Waikanae River.

### **2. Background**

The Jim Cooke Park River Realignment project is the first of a two stage project identified in the outcomes of the Waikanae Floodplain Management Plan. Provision was made for this first stage in the Greater Wellington Regional Council's 10-year plan 2003-2013.

The rationale for the works is that moving the active channel away from the toe of the existing stopbank on the north bank of the Waikanae River will reduce the risk of the stopbank being eroded and provide sufficient berm area to construct the new stopbank.

The second stage of the project is upgrading the stopbank. The stopbank itself is high enough to contain a 100-year return period flood, but does not have an adequate profile or berm.

A failure of the stopbank would result in severe flooding in the Nimmo Ave and Te Moana Rd areas of Waikanae. A major breach of the stopbank would result in a further 500 houses in the Waikanae Beach area being flooded. The damages from a failure of the Jim Cooke Park Stopbank would be in the order of \$8.0M. The average annual flood damages saved as a result of the realignment works is estimated to be \$78,000.

### **3. Description of the Proposed works**

The Jim Cooke Park works are located between the El Rancho realignment work undertaken in 1997 and the SH1 to Maple Lane work undertaken in 2000. At this stage, the Jim Cooke Park works extend over a 600m length of the Waikanae River as shown on **Attachment 1**.

Preliminary design for the Jim Cooke Park realignment covers the entire 1000 metres of river between the El Rancho and State Highway 1 to Maple Lane works. However, the actual extent of the physical works for the Jim Cooke Park realignment will be assessed once the preliminary design and cost estimates have been completed. If funds permit, then the works may be able to be stretched to cover the entire 1000 metre reach.

Once the construction design is complete GWRC will have largely completed the river alignment upgrade for the section of the river between the SH1 Bridge and El Rancho some 4km downstream. This will then leave the remaining 2km section, from El Rancho to the sea, to be completed as the Waikanae River Floodplain Management Plan is implemented.

Three options for construction are currently being considered. Option 1 comprises rock linings, Option 2 is a combination of rocklines and groynes and Option 3 uses rock groynes for the bank protection. Attachment 1 is a plan of Option 3, the option considered the preferred by a number of the groups consulted at this stage.

The works will be undertaken primarily on land owned by Greater Wellington and Kapiti Coast District Council. A small portion is in private ownership and an agreement has been reached to purchase this land. There is a possibility that the area of private land required, plus a greater area within the river corridor, may be given to KCDC at no cost as reserve contribution when the adjacent farmland is subdivided meaning purchase will not be required. Our agreement with the owner accommodates this possibility.

#### 4. Programme and Progress to Date

The key milestone dates and progress are summarised in Table 1 below.

Table 1 Milestone Summary and Progress

<b>Task</b>	<b>Programme Completion Date</b>	<b>Comment</b>
<b>Preliminary Design</b>		
Approve project scope	28 February 2004	Completed
Appoint design consultants	20 October 2004	Completed
Secure land	1 November 2004	Completed
Select preferred option	18 November 2004	Final workshop session organised. Consultation for preferred option completed on 12 November 2004 to provide input to the workshop.
<b>Design and Consents</b>		
Finalise Design	15 January 2005	

Resource consents granted	15 Feb 2005	Consultation is underway. Consents are likely to be non-notified.
<b>Construction</b>		
Tender for construction	20 February 2005	
Appoint contractor	30 March 2005	
Commence rock delivery	30 April 2005	
Commence river work	1 December 2005	
River works complete	June 2006	
Landscaping complete	September 2006	

## 5. Budget

The budget for the project is \$741,060. A breakdown of the budget and expenditure to date is contained.

**Table 2 Jim Cooke Park River Realignment - Summary Expenditure**

Item	Budget	Expenditure to Date	Estimate to Complete	Total	Variance
Project Management	\$ 61,060	\$ 12,900	\$ 47,000	\$ 59,900	\$(1,160)
Design	\$ 90,000	\$ 3,361	\$ 85,000	\$ 88,361	\$(1,639)
Consents	\$ 20,000	\$ 6,019	\$ 10,000	\$ 16,019	\$(3,981)
Property	\$ 10,000	\$ 8,688	\$ 5,000	\$ 13,688	\$ 3,688
River Works	\$501,850	\$ 0	\$504,942	\$504,942	\$ 3,092
Environmental Enhancement	\$ 58,150	\$ 0	\$ 58,150	\$ 58,150	\$0
<b>TOTAL</b>	<b>\$741,060</b>	<b>\$30,968</b>	<b>\$710,092</b>	<b>\$741,060</b>	<b>\$0</b>

The project is currently budgeted for completion in 2005/06. However, based on progress to date and the continuing difficulties in getting timely delivery of good quality rock, it is likely that the project will extend into the 2006/07 financial year. If this proves to be the case, then budget approval for this change will be sought at the third quarter financial review, once a contractor has been appointed and the works programme finalised.

## 6. Recommendations

*That the committee:*

1. *receive this report and*
2. *note its contents*

Report prepared by:

Report approved by:

Report approved by:

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**Rob Forlong**  
Divisional Manager, Landcare

**Attachment 1:** Proposal Channel Protection Works – Option 3