



Report 09.04  
Date 12 January 2009  
File N/06/31/01

Committee Catchment Management Committee  
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## Waikanae Floodplain Management Plan 10 year review - Process

### 1. Purpose

To obtain the Catchment Management Committee endorsement of the process for reviewing the Waikanae Floodplain Management Plan.

### 2. Significance of the decision

The matters for decision in this report do not trigger the significance policy of the Council or otherwise trigger section 76(3)(b) of the Local Government Act 2002.

### 3. Background

The Waikanae Floodplain Management Plan (WFMP), completed in 1997, recommends structural and non-structural measures to reduce the flood risk to the Waikanae community. Greater Wellington has adopted a 40 year time frame to fully implement the WFMP with reviews proposed every 10 years. A review of the WFMP was due in 2007/08 but was postponed to 2008/09 because of resourcing issues.

The WFMP states that

*“As reviews of the FMP are undertaken, aspects and details may change to reflect the changing needs and desires of the community. Any changes will be issued as addenda and inserted into the document when they are approved. Changes to the Plan will be by Council resolution and can be promoted in accordance with standard Council procedures. It is generally expected that changes to the Plan will be promoted through the Annual Plan process”.*

Further detail is contained in Chapters 7 and 8 of the WFMP.

### 4. WFMP - Outcomes

The WFMP contains a set of ‘outcomes’ developed as a result of examining various options. The outcomes covered three main areas: non-structural, structural and river management.

#### **4.1 Non-Structural Measures**

Planning and land use Measures

Flood hazard categories have been identified on the Waikanae floodplain and have been included in Kapiti Coast District Plan since 1995.

Other measures include providing information and advice, river corridor land procurement and management.

Community Preparedness

These measures include providing up-to-date information, assisting Kapiti Coast District Council in public education programmes and emergency management, encouraging individuals to insure against flood loss and damage, flood warning and disaster recovery.

#### **4.2 Structural measures**

Structural measures were selected to protect existing development from floods. Generally they are designed for a 100 year flood event. They include:

- Road raising
- Stopbanks
- Bridge lengthening
- House raising.

#### **4.3 River Management Measures**

These measures include the day-to-day activities and the programmed major works undertaken by GW to maintain the Waikanae River in its preferred alignment and to protect and maintain existing flood mitigation structures.

### **5. Purpose of the WFMP review**

The purpose of the review is to evaluate the performance of the WFMP to date and assess whether there is any need to change the outcomes and implementation process.

The key elements to be reviewed as outline in the WFMP are;

- Hydrology
- Hydraulics
- Processes monitored
- Work methodology
- Non-structural methods
- Effectiveness of all methods
- Capital and Operational expenditure budgets

## 5.1 Process

Initially the review will be carried out in 2 stages.

### **Stage 1 – Review and Evaluate the existing FMP**

Stage 1 includes reviewing the hydrology and hydraulics of the Waikanae River and evaluating the effectiveness of the completed structural, river management and non-structural measures contained in the FMP. Key outcomes from stage 1 include;

- Updated flood frequencies and flood hydrographs for the Waikanae river
- Climate change impacts on the flood frequencies
- Any changes to estimated flood levels and flood extents
- Effectiveness of completed structural, non-structural and environmental enhancement works.

Stage 1 works commenced in August 2008 with a workshop to determine the scope for the WFMP review. NIWA is currently working on the hydrology update.

### **Stage 2 – Analysis, consultation and reporting**

Stage 2 involves a detailed analysis of the outcomes from Stage 1 to determine whether there is any need to change the methods and procedures for implementing the WFMP. The outcomes will be evaluated by a panel comprising of the Flood Protection staff and specialist consultants.

This stage also includes consultation with interested and affected parties through newsletters and meetings.

A key outcome from Stage 2 will be a detailed report on the performance of the WFMP during the last 10 years with recommendations for any future works. From our experience to date with implementing the FMP we anticipate that the review will largely confirm the status quo.

## 6. Project Team

This project will be implemented in house with assistance from consultants in specialist areas such as hydrology and hydraulics. Kees Nauta will lead this project and regularly report on the project status to the Catchment Management Committee through manager's reports.

## 7. Programme and Budget

The current 10 year plan allowed \$50,000 for reviewing the Waikanae FMP during 2007/08 and \$50,000 for reviewing the Otaki FMP during 2008/09.

This programme has been delayed because of staff commitments to managing capital works projects and staff shortages. The revised programme is to complete the Waikanae and Otaki FMP reviews in 2008/09 and 2009/10 respectively.

<b>Waikanae FMP review</b>	<b>Task</b>	<b>Completion date</b>
Stage 1	Review and Evaluate the existing FMP	March 2009
Stage 2	Analysis, consultation and reporting	June 2009
Stage 3	Future work	To be agreed

## 8. Communications

We will advise the Friends of the Waikanae River, KCDC, DoC, Iwi and other interested groups and individuals of this review in early February and invite their participation in the review. Formal consultation on the WFMP review will commence in April/May 2009 with the completion of Stage 1 works. A newsletter providing the outcomes of the review will be distributed to interested and any affected parties. Much of the community consultation will be carried out with Friends of the Waikanae River and separate meetings (if required) will be held with, KCDC, Iwi, and DoC.

## 9. Recommendations

*That the Committee:*

1. ***Receives*** the report.
2. ***Notes*** the content of the report.
3. ***Endorses*** the proposed process and timeframe for the 10 year review of the Waikanae River Floodplain Management Plan.

Report prepared by:

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