



Report **06.494**
Date 29 August 2006
File N/50/01/05

Committee **Landcare**
Authors **Daya Atapattu, Project Manager (Hutt)**
 Graeme Campbell, Project Manager (Kapiti)

Western Rivers Floodplain Management Plans implementation:

Annual progress report to June 2006

1. Purpose

To advise the Committee on progress made with implementing the Hutt, Otaki and Waikanae Floodplain Management Plans to June 2006 and the 2006/07 works programme.

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 Hutt, Otaki and Waikanae Floodplain Management Plans (FMPs) completed in 2001, 1998 and 1997 respectively, recommend structural and non-structural measures to reduce the existing flooding risk to the respective floodplains. Greater Wellington has adopted a 40-year time frame to fully implement the three FMPs. The FMP implementation commenced in 2000 and a total of \$12.6 million has been spent up to the end of June 2006. The total FMP budget for 2005/06 was \$4.8 million. The Flood Protection, 2006-2016 Operating Plan provides a further \$35 million for implementing the three FMPs.

This is the fourth annual implementation progress report presented to Landcare. The last progress report Report No 05.584 was presented to the Committee in October 2005.

4. Summary progress against the 40 year implementation programme

The Western Rivers FMP implementation, now in its sixth year, is continuing to make steady progress, generally meeting annual plan targets.

In the Hutt, the installation of the Norfolk Street flood gates in 2005/06 completed all structural works in Belmont. The Ava to Ewen project is about 50% complete and is on programme. The Boulcott/Hutt stopbank project was brought forward by one and a half years and a feasibility study to determine a preferred alignment commenced in January 2006. Hutt City 'District Plan change 6 – Hutt River flood hazard areas' was approved in March 2006.

In Kapiti the Jim Cooke Park river realignment works on the Waikanae River were completed, greatly improving the level of security to the stopbank and the level of flood protection to several hundred houses. In Otaki the design and landowner negotiations were started for the South Waitohu stopbank and the Chrystalls Extended stopbank. The land owner negotiations for both of these major works is taking longer than expected and will require the construction programme to be compressed from two years to one year if the works are to be completed on time in June 2008.

Attachments 1 to 3 provide a summary by project of the progress in implementing all three FMPs. The tables below show the summary of financial progress and the expected achievements by 2016. The progress, shown as 'percent complete' to June 2006 and the forecast to 2016 was computed by discounting current dollars to dollars at the time of completion of the respective FMP.

River	Total 40 year budget (\$M) ¹	Expenditure in 2005/06 (\$M) ²	Expenditure to June 2006 (\$M) ²	Total expenditure forecast to 2016 (\$M) ²
Hutt	78.00	3.80	9.8	39.3
Otaki	12.07	0.07	3.58	8.27
Waikanae	8.69	0.78	3.87	5.14
Total	98.76	4.65	17.25	52.71

Notes:

1. Hutt, Otaki and Waikanae budgets are based on 1999, 1998 and 1997 dollar (FMP dollars) values respectively.
2. Expenditure figures have not been converted to FMP dollars.

River	FMP dollars		% Complete		% complete in benefit terms to June 2006 (Flood damages saved)
	Total 40 Year budget (\$M)	Expenditure to June 2006 (\$M)	Actual to June 2006	Forecast to June 2016	
Hutt	78	7.70	9.8%	37%	See note 3 below
Otaki	12.07	3.20	28%	56%	54%
Waikanae	8.69	3.50	43%	54%	68%

Notes

- The completion of all stopbanks on the true left bank of the Hutt River from the Ava Rail Bridge to Kennedy Good Bridge will realise 40% of the flood damages saved benefits.

5. 2005/06 - Targets and Achievements

2005/06 was another big year for the FMP projects. A total of \$4.6 million was spent in implementing the projects. The highlights for 2005/06 were:

- Commencement of the Boulcott/Hutt stopbank feasibility study
- Commencement of the Opahu Stream pumping station contract
- Completion of the Alicetown stopbank reconstruction
- Completion of the Hutt City district plan change
- Completion of the Jim Cooke Park realignment
- Commencement of the South Waitohu stopbank design
- Commencement of the Chrystalls Extended stopbank design

In the Hutt, Stage 2 of the Ava to Ewen project (Alicetown stopbank reconstruction), was essentially completed during 2005/06. The first part of Stage 3, the Opahu Stream pumping station construction, commenced during the year and progressed well. Environmental planting, including about 23,000 grasses and native plants, was completed as part of the Ava to Ewen project. The detailed design for the second part of Stage 3, Ava Rail stopbank reconstruction, was 85% complete by the year end. The Ava to Ewen project is on programme with completion scheduled for 2010.

The feasibility study to determine a preferred alignment progressed well and the Round 1 consultation was completed.

The detailed design and tender documents for the Whirinaki Crescent stopbank upgrade were completed and the resource consents were obtained. However, the land purchase negotiations with St. Patricks College and Wellington Golf Club are taking more time than originally expected.

Another major achievement for 2005/06 was the Hutt City district plan change to include the Hutt River flood hazard. Hutt City Council approved the plan change on 14 March 2006. There were no appeals.

In Waikanae the Jim Cooke Park river realignment was completed, greatly increasing the security to the stopbank that protects several hundred houses in Waikanae. The works were completed within the approved budget in June 2006. An environmental enhancement project associated with the capital works will be completed in the 2006/07 financial year.

In Otaki all efforts have concentrated on undertaking the design of the South Waitohu and Chrystalls Extended Stopbanks. In both cases the land negotiations have proved more difficult to progress than anticipated and will mean construction will have to be compressed into one financial year if the works are to be completed to programme. The nature of the construction is such that construction will be able to be completed within 12 months. We expect that achieving project completion by June 2008 will be entirely dependant on being able to successfully complete the land negotiations and obtaining resource consents.

6. 2006/07 works programme

We expect 2006/07 to be a busy year with a \$5.1 million budget for implementing the Hutt, Otaki and Waikanae plans.

The key Hutt projects for 2006/07 include;

- Progressing with the UHCC district plan change
- Completing the Whirinaki Crescent land purchase and stopbank reconstruction
- Completing the Opahu Stream pumping station and progressing with the Ava Rail stopbank construction project
- Completing the Boulcott/Hutt stopbank feasibility design and progressing with the detailed design
- Commencing the Maoribank riverbed stabilisation investigations

The key Waikanae projects for 2006/07 include;

- Supporting the appeal against the KCDC hazard information plan change 50
- Completing the environmental enhancement project in the vicinity of Jim Cooke Park
- Amending the flood hazard maps as a result of completing the Jim Cooke Park works
- Reviewing the Waikanae Environmental Strategy and preparing a new 10 year action plan for implementation in conjunction with KCDC

The key Otaki projects for 2006/07 include;

- Progressing the Chrystalls Extended design and consents.
- Progressing the South Waitohu stopbank design and consents.

7. 2006-2016 FMP works programme

Attachment 4 provides the 2006-2016 capital works programme for implementing the FMPs.

Hutt

During the next 10 years, we expect to complete the Ava to Ewen project, the Boulcott/Hutt stopbank and the City Centre stopbank construction. With the completion of the City Centre stopbank, all stopbanks on the true left bank of the Hutt River from the Ava Bridge to the Kennedy Good Bridge will be completed providing a 440 year return period standard of protection to the Hutt CBD. During this period we also expect to complete 4 smaller structural projects in Upper Hutt and promote changes to the Upper Hutt City district plan.

Waikanae

The next major activity in the Waikanae, following the 2006/07 financial year, will be the commencement of the remainder of the Otaihanga house raising project. The first step of this will be a review of whether house raising or a stopbank is the preferred method for protecting these houses, following a request from the affected landowners to review house raising after flooding in January 2005. The WFMP's first review will also be undertaken in the 2007/08 financial year, 10 years on from the adoption of the plan.

Otaki

The next major activity in Otaki will be the construction of the two stopbanks, South Waitohu and Chrystalls Extended, programmed for completion in June 2008. Both of these projects are dependant on completing the landowner negotiations by June 2007 so that construction can commence by October 2007. The OFMP will also have its first review undertaken in the 2008/09 financial year, being 10 years since the plan was originally adopted.

8. Communication

Communication initiatives are in place for all FMP projects. This report was written primarily for internal purposes. However, a copy of this report will be sent to HCC, UHCC and KCDC for their information.

9. Recommendations

That the Committee:

1. ***Receives the report.***
2. ***Notes the content of the report.***
3. ***Notes that a copy of this report will be sent to Hutt City Council, Upper Hutt City Council and the Kapiti Coast District Council for their information.***

Report prepared by:

Report prepared by:

Report approved by:

Daya Atapattu
Project Manager (Hutt)

Graeme Campbell
Project Manager (Kapiti)

Geoff Dick
Divisional Manager,
Catchment Management

Attachment 1: Hutt FMP summary progress table

Attachment 2: Otaki FMP summary progress table

Attachment 3: Waikanae FMP summary progress table

Attachment 4: Capital expenditure programme 2006-2016