



Report 07.569
Date 23 August 2007
File N/03/13/25

Committee Hutt River Advisory Committee
Author Daya Atapattu Team Leader, Western FMPs

Hutt River Floodplain Management Plan: Project Manager's Report

1. Purpose

To update the Advisory Committee on progress made with implementing the Hutt River Floodplain Management Plan (HRFMP).

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. Ava to Ewen project

The Ava to Ewen project is currently progressing well and we are on target for completing the project by 2010.

Ava Rail stopbank reconstruction and waterway upgrade

Ava Rail stopbank contract is now about 50% complete and is on programme for completion by February 2008. Reconstruction of the stopbank from Barber Grove to Rail Bridge is now about 80% complete. About 36 metres of the 42 metre stormwater pipe at the Ava Rail Bridge has been installed including the penstock and the downstream flap gate. Concreting of the retaining walls on both sides of the Rail Bridge abutment is progressing.

By the end of August 2007, the contractor had supplied and placed about 8700 tonnes of rock out of a total of 15,000 tonnes. Rock supply from the south island is continuing. The main rock line which is 5 metres deep is now complete up to the river bed level. This rockline will be further raised 2 metres above the river bed level once the stopbank work is complete.

The Opahu Stream outlet channel is now directly open to the river and a pump test has been successfully completed.

Alicetown stopbank construction

The contractor is currently progressing with repairs to three stormwater manholes as part of the maintenance works. The required maintenance works in these manholes is difficult to do because it is well below the sea level and has to be done around the low tides. These repairs will go on until the end of September 2007. This will complete all maintenance works in this contract.

Strand Park stopbank reconstruction

Stage 4 of the Ava to Ewen project, Strand Park stopbank reconstruction, is scheduled to commence in 2008/09. The draft tender documents for this contract are now ready and we expect to call tenders in May/June 2008.

4. Whirinaki Crescent stopbank

The lowest tender received for the proposed flood wall along the new 'wine glass' sub division was significantly higher than the estimate. We have now agreed with the Wellington Golf Club (WGC) on a less expensive 'earthwork' option where the low area of the golf club land will be filled to the design level connecting the newly constructed stopbank to the high terrace. We will seek a variation to the resource consent once the agreement between GWRC and WGC is formalised. We aim to complete this work by Christmas 2007.

We are currently evaluating the tenders for the Stage 2 stopbank works and expect to appoint a contractor by mid September 2007.

5. Boulcott/Hutt project

Phase 2 of the feasibility study is now complete and Report 07.568 contains our recommendation on a preferred alignment for the Boulcott/Hutt stopbank. We will commence the detailed design and resource consent process once GWRC adopts a preferred alignment.

6. Maoribank riverbed stabilisation

We have now appointed Brendan Paul to complete a risk assessment of Maoribank riverbed degradation. This process involves geological investigation, hydraulic modelling and a river process study. The geological investigation is now complete and the river process study has commenced. In this process a number of bed degradation scenarios and their consequences will be analysed. A risk model will be used to assess the risk level. Information from the risk model will be used to develop a management strategy for the Maoribank reach.

We expect to complete the risk assessment by the end of November 2007.

7. Non-structural measures

Upper Hutt City Council officers expect to commence the district plan change process to include the Hutt River and Mangaroa flood hazards in September 2007. We will assist UHCC officers with this work.

8. Gravel Extraction

Gravel extraction in the Melling to Belmont reach of the Hutt River will continue with a target of extracting 80,000 m³ in 2007/08. The contractor removed 7000 m³ of gravel in July 2007 and we are currently working with the contractor to set up a programme to achieve the target.

9. Budget and 2007/08 programme

The following table provides a summary of the approved budgets and the end of the year targets for 2007/08.

Project	Approved Budget 2007/08	Target
Ava Rail stopbank reconstruction	\$2,180,000	Complete construction
Whirinaki Crescent stopbank	\$651,300	Complete construction
Boulcott/Hutt project	\$550,000	Progress with the detailed design/consents and land purchase
Maoribank riverbed stabilisation	\$150,000	Complete investigations
Strand Park stopbank reconstruction	\$50,000	Call tenders
Total	\$3,581,300	

10. Communication

Each HRFMP project has its own communication initiative. A newsletter will be distributed to Whirinaki Crescent residents before commencing Stage 2 works. The decision on Boulcott/Hutt preferred alignment will be conveyed to the residents and other stakeholders by another newsletter.

11. Recommendations

That the Committee:

1. *Receives the report.*
2. *Notes the content of the report.*

Report prepared by:

Report approved by:

Report approved by:

Daya Atapattu
Team Leader, Western FMPs

Graeme Campbell
Manager, Flood Protection

Geoff Dick
Divisional Manager,
Catchment Management