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| Report | 2016.80 |
| Date | 2 March 2016 |
| File | CCAB-12-97 |
| Committee | Te Kāuru Upper Ruamahanga River Floodplain Management Subcommittee |
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Waingawa River Options Development

1. Purpose

To update the Subcommittee on progress with development of flood and erosion risk management options for the Waingawa River. To provide the Subcommittee with an overview of the option review and refinement process.

2. Background

The Waingawa River has been identified as having 43 separate site specific flood or erosion issues to address. In addition to these site specific issues there are more general issues with gravel management, trends of river bed changes reflected in exposure of bed rock in some locations and building up of the bed in others. The Waingawa is a challenging river to manage the conflicts between community and environmental values due to its naturally straight course, high energy, incised channel and adjacent land use pressures.

The Waingawa River issues are covered in further detail in the Issues, Vision and Aims report. An extract from this document is included as **Attachment 1** to this report.

3. Option Development

The project team has developed a range of options for flood and erosion management. The development of these options has been guided by the vision and aims of the floodplain management plan, and by engagement with the community and Subcommittee.

The options developed have been split into common, catchment wide options and reach specific options. These options take the form of:

3.1 Major project response

The major project response identifies any option that would be considered as a major, permanent fix to an issue. They are generally a one off project that has a high cost to implement.

3.2 Operational response

An operational response is one that will require ongoing, scheduled or responsive approach to an issue. They are not intended to be permanent in nature and are generally of low, but continual ongoing cost.

3.3 Policy or planning response

A policy or planning response is a method used to tackle or prevent an issue from occurring through a form of statutory process. These options would generally be implemented through a regional or district plan.

3.4 Community response

A community response is one where the main implementer of the option is the community, generally but not always supported by another agency. This includes options like flood warning, forecasting, and emergency response, all of which are supported by WREMO, but reliant on the behaviours of the community in response to information or an event.

The draft options for further refinement are included as attachment 2 to this report.

4. Option refinement workshop

The workshop that follows this meeting will review and refine the flood and erosion risk management options for the Waingawa River with subsequent reach specific workshops following a similar format. The agenda for this workshop includes;

- Site visit to key major issue locations
- Discussion on a range of options for major issues
- Review using MCA tool on draft options for each reach
- Consideration of the application of ‘Common Tools’ for each reach
- Work towards refinement of the ‘common tools’
- Discussion of methods of achieving the outcomes sought by the options/common tools.

For each of the workshops invitations will be extended to additional community members who will bring their local perspectives and opinions to inform the discussion. This will include perspectives from the local river management schemes, as well as broader community groups who have an interest in the particular locations or issues being discussed.

5. The decision making process and significance

No decision is being sought in this report.

5.1 Engagement

Engagement on this matter is unnecessary.

6. Recommendations

That the Subcommittee:

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

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Attachment 1: Extract from TKURFMP - Issues, Vision and Aims

Attachment 2: Extract from TKUR FMP - Options Development