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Committee	Te Kāuru Upper Ruamahanga River Floodplain Management Subcommittee		
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Issues and Options for Flood Risk Management

1. Purpose

The purpose of this report is to introduce the Te Kāuru Upper Ruamahanga River Floodplain Management Subcommittee (the Subcommittee) to the options for flood risk management, which will form the foundation for Phase 2 investigations.

2. Background

2.1 Issues

The programme for Phase 2 works was outlined in Report No. 14.368, and presented to the Subcommittee at its last meeting. This report outlines the first component of the Phase 2 works.

The phase 1 summary report identified five categories of issues arising from the Phase 1 investigation work.

- Flood risk affecting homes, businesses and critical infrastructure in both rural and urban areas of the catchment.
- Erosion risk affecting productive land and critical infrastructure situated near the river corridor.
- Conflicts between current river management techniques and cultural, environmental and social values.
- Relationships between communities, groups and individuals involved with the management of rivers.
- The current funding, rating and governance methods used to pay for flood, erosion and river management.

Some of these issues have a greater likelihood or greater consequences and they have been grouped into issues of greater to lesser risk to assist with work programming.

2.2 Options

The options currently being considered will be introduced to the Subcommittee in a presentation at the meeting.

3. Comment

3.1 Issues

The project team has assessed each of the issues identified during phase 1 and for the purposes of targeting resources during phase 2 has assigned them into one of four groups as assessed in terms of their likelihood or consequence with assessment based on the following criteria;

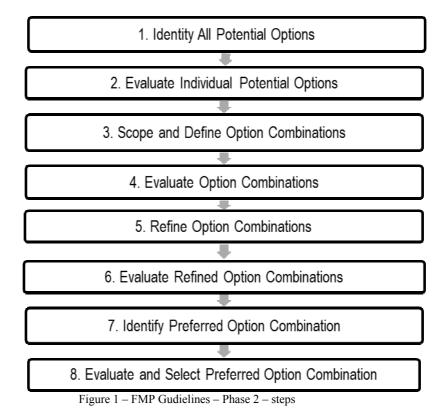
- Risk to life.
- Cultural, Economic, Environmental or Social impacts.
- Political impacts.

These groupings will be presented for the consideration and discussion of the Subcommittee.

These issue groupings will be used to assist development of option combinations.

3.2 Options

Phase 2 of the development of a floodplain management plan is titled 'Identify, assess and select management options'. This phase is broken into several steps as illustrated in figure 1 below. This report relates to the first two steps;



3.2.1 Identify all potential options

There are a number of floodplain management tools which have previously been used across the region to manage flood risk and these are presented in the options toolbox report. This report describes each option, including an illustration or picture where appropriate, and outlines the strengths, weaknesses, opportunities and threats for each.

This options toolbox forms a foundation from which option combinations can be built, and it can be expanded to include additional options suggested by the community and others involved in the development of the floodplain management plan.

The issue prioritisation and options toolbox will be presented to the Subcommittee for their consideration and review, and the project team will take guidance on changes to the issues groupings and additions to the options toolbox throughout Phase 2.

It is anticipated that the Subcommittee refer to the options toolbox during the development of option combinations for the management of flood risk.

4. The decision-making process and significance

No decision is being sought in this report. The issues grouping and options toolbox is being provided to the Subcommittee for their information and consideration

5. Recommendations

That the Subcommittee:

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

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