



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

If calling please ask for: Democratic Services

13 February 2019

Te Kāuru Upper Ruamahanga River Floodplain Management Plan Subcommittee

Order Paper for meeting to be held in the Boddington Room, Masterton
Club, 98 Chapel St, Masterton on

Thursday, 21 February 2019 at 10.00am

Membership of Committee

Bob Francis (Chair)

Cr Barbara Donaldson

Cr Adrienne Staples

Deputy Mayor Graham McClymont

Cr Brian Deller

Stephanie Gundersen-Reid

Kate Hepburn

David Holmes

Janine Ogg

Rawiri Smith

Michael Williams

Greater Wellington Regional Council

Greater Wellington Regional Council

Masterton District Council

Carterton District Council

***Recommendations in reports are not to be construed as Council
policy until adopted by Council***

Te Kāuru Upper Ruamahanga River Floodplain Management Plan Subcommittee

Order paper for the meeting held on Thursday, 21 February 2019 in the Boddington Room, Masterton Club, 98 Chapel St, Masterton at 10.00am

Public Business

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Please note that these minutes remain unconfirmed until the meeting of the Te Kāuru Upper Ruamahanga River Floodplain Management Plan Subcommittee on 21 February 2019

Report 18.602

10/12/2018

File: CCAB-12-349

Minutes of the Te Kāuru Upper Ruamahanga River Floodplain Management Plan Subcommittee meeting held in the Choice Room, Greater Wellington Regional Council, 34 Chapel Street, Masterton, on Monday, 10 December 2018 at 10:02am

Present

Bob Francis (Chair), Councillor Donaldson (Greater Wellington Regional Council), Councillor Deller (Caterton District Council), Stephanie Gundersen-Reid, Kate Hepburn, David Holmes, and Michael Williams.

Public Business

1 Apologies

Moved

(Cr Donaldson/ Mr Francis)

That the Subcommittee accepts the apologies for absence from Councillor Staples and Rawiri Smith.

The motion was **CARRIED**.

2 Conflict of Interest declarations

There were no declarations of conflict of interest.

3 Public Participation

There was no public participation.

4 **Confirmation of the minutes of 5 June 2018**

Moved (Ms Gundersen-Reid/ Ms Hepburn)

That the Subcommittee confirms the minutes of 5 June 2018, Report 18.220.

The motion was **CARRIED**.

5 **Te Kāuru Upper Ruamahanga FMP Stage 1 Engagement Summary**

Francie Morrow, Project Manager, Floodplain Management Plans, spoke to the report.

Report 18.568 File: CCAB-12-342

Moved (Cr Donaldson/ Cr Deller)

That the Subcommittee:

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

The motion was **CARRIED**.

6 **Updated Waipoua flood hazard maps**

Francie Morrow, Project Manager, Floodplain Management Plans, spoke to the report, noting that the Waipoua Flood Maps remain in draft until they have been through an independent audit process.

Report 18.569 File: CCAB-12-343

Moved (Mr Holmes/ Mr Williams)

That the Subcommittee:

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

The motion was **CARRIED**.

Noted: The Subcommittee thanked Mark Hooker, Senior Project Engineer, Floodplain Management, for his contribution to the Subcommittee's work programme.

7 **Te Kāuru Upper Ruamahanga FMP Project Manager's Report**

Francie Morrow, Project Manager, Floodplain Management Plans, and Mark Hooker, Senior Project Engineer, Floodplain Management, spoke to the report.

Francie Morrow noted the Subcommittee's desire to have the Floodplain Management Plan completed in June 2019, and discussed the key dates. A timeline for the project was tabled at the meeting.

Mark Hooker updated the Subcommittee on the Waiohine Floodplain Management Plan and the inland protection for Greytown. Mark Hooker discussed what might be considered a trigger within the concept of a living plan, and how the community group might work together following those possible triggers.

Bob Francis updated the Subcommittee regarding Water Wairarapa and the work expected in coming year. Bob Francis confirmed that he will keep the Subcommittee apprised as the project progresses.

Report 18.567

File: CCAB-12-341

Moved

(Mr Williams/ Ms Gundersen-Reid)

That the Subcommittee:

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

The motion was **CARRIED**.

The meeting closed at 10:32am.

Bob Francis
(Chair)

Date:



Report 2019.40
Date 12 February 2019
File CCAB-12-358

Committee Te Kāuru Upper Ruamahanga FMP Subcommittee
Author Francie Morrow – Project Manager, Floodplain Management Plans

Te Kāuru Upper Ruamahanga FMP Project Managers Report

1. Purpose

To update the Subcommittee regarding general items that influence or are a part of the Te Kāuru Upper Ruamahanga Floodplain Management Plan (Te Kāuru), as well as outlining other flood protection activities that are being undertaken within the catchment area by Greater Wellington Regional Council (GWRC).

2. Updates to Volumes 1 and 2

The project team have been working with the Subcommittee to undertake the pieces of further work that have been identified as outcomes of the first stage of engagement (on Volumes 1 and 2). As a result of the engagement and further work, changes have been proposed to Volume 1.

The key changes to Volume 1 include:

- Significantly more detail regarding the buffer implementation plan;
- A new proposed pest plant and animal plan; and
- Benefits of the buffer management proposal.

Additional changes include:

- Alignment with the Code of Practice
- Eastern vs Western clarification
- Whaitua alignment update and clarification
- Climate change - expanded section
- Why Change? - expanded section
- Design lines - expanded section

- Gravel extraction and analysis – new common method
- Riparian planting of buffers – renaming of common method
- Designations - expanded section
- Governance – clarification
- Funding – clarification including reference to the Local Government (Rating) Act 2002
- Impacts on sediment in the system discussed

Proposed updates to Volume 2 include:

- Rathkeale – this is still a work in progress
- Design line hot spot changes
- Waipoua rural stopbanks refinement

Background reports and documents regarding changes to Volume 1 and 2 are available on request. An updated version of Volume 1 will be available during the next phase of public engagement.

3. Volume 3 (Waipoua Masterton urban area)

Draft flood maps for the urban reach of the Waipoua River were publicly released on 31 October 2018. The hydrology and hydraulic modelling, as well as the draft maps, have been developed and released jointly by MDC and Greater Wellington Regional Council (GWRC). A period of engagement with the community was undertaken for the release of the flood maps. Residents and property owners at Oxford Street and Mahunga Farm were particularly engaged in this process with some level of discomfort and mistrust of the information.

A separate round of engagement was undertaken in early December 2018 to discuss several proposed flood management approaches that were being considered for managing the flood risk to Masterton. During this engagement process there was a lot of interest in the upstream storage option, and the residents of Oxford Street were keen to hear about what proposal we might have to manage the effects of potential flooding to their properties.

WSP Opus has been working with the Waipoua Masterton Urban Area Project Group and the Subcommittee to develop a proposed approach to the flood and erosion risk to the Masterton urban area. This proposal is currently being developed into Volume 3 of the Te Kāuru FMP. The proposal includes a staged approach with five phases. The purpose of the staged approach is to be able to gather more data and information required to make an informed decision on the requirements prior to investing in significant capital expenditure. It also allows for the impact of climate change to be re-assessed once more time has passed and the impact of climate change is better understood.

A separate report at this meeting (report number 2019.41) seeks Subcommittee support of draft Volume 3 and endorsement for public engagement.

4. Project programme

The Te Kāuru Subcommittee have previously emphasised the desire to have a completed floodplain management plan by mid-2019.

The key dates in the project programme include:

- 21 February 2019: Subcommittee meeting – Approval draft Volume 3 for engagement
- Late February 2019: Engagement Stage 2c – Proposed option combination for Masterton urban area
- March 2019: Subcommittee approval of Proposed (Volumes 1, 2 & 3 combined) FMP
- Early April 2019: Engagement Stage 3 - Proposed FMP consultation
- Late April 2019: Hearings
- 28 May 2019: Subcommittee workshop – workshop the final FMP
- 12 June 2019: Subcommittee meeting – official approval and recommendation to the Environment Committee
- 20 June 2019: Environment Committee meeting for adoption of Te Kāuru FMP

5. Operations and maintenance update

The Flood Protection department has been engaged in a number of works within the Te Kāuru Upper Ruamahanga area. A summary of these works for each river is provided below.

Waipoua

- Clearing old trees and problem vegetation along of 200m of left bank in urban reach upstream of SH2.
- Removing large poplar trees, layering willows and constructing gravel groynes to protect corner on Matahiwi Road.
- Reinforcing erosion bay upstream of Colombo Road Bridge with willow cabling.
- Targeted gravel extraction to remove problem beaches.



Photo 1: Waipoua River berm clean up

Photo 2: Waipoua River completed urban clearing.



Waingawa

- Beach re-contouring around SH2 to encourage river channel to move off eroding right bank
- Boulder bank edge protection constructed at XS 22 to cut off old erosion channel into buffer.
- Gravel extraction on problem beaches below South Road



Photo 3: Waingawa beach vegetation clearing

Upper Ruamahanga – Mt Bruce

- Vegetation clearing of beaches with bulldozer

Upper Ruamahanga – Te Ore Ore

- Vegetation clearing of beaches with bulldozer
- Purchase & delivery of 500T of heavy rock for flood response stockpile.
- Gravel extraction off problem beach opposite MDC waste water treatment plant to take pressure off right bank erosion.

Upper Ruamahanga – Gladstone

- Completion of Dakins Road erosion protection project with CDC, with the construction of 3 x 750T Rock Groynes.



Photo 4: Dakins Road rock groyne construction.



Photo 5: Dakins Road completed rock groyne construction.

6. Waiohine Floodplain Management Plan update

Significant activities since the last report have included:

- Meeting with WAG members;
- Visiting landowners on site;
- Review of the Project Team's process thus far. This has been completed by Ian Heslop of Environment Canterbury. An in-person briefing and site visit

was completed (4&5 December 2018), followed by production of a draft review in late December. Feedback has since been incorporated into this and the report finalised;

- Transcribing meeting notes into a rough draft river plan document – the Project Team has had one cycle of comments on one section of this draft thus far;
- Establishing the role of stakeholders and the Project Team’s relationship with them. This is looking forward to the Project Team recommendations about how these relationships should progress into the Living Plan;
- A brainstorming session identifying the gaps or items that have not currently been finalised for the Living Plan;
- Re-examining the river management reach by reach including ongoing management of existing stopbanks. This included feedback from GWRC operations staff.
- Further hydraulic modelling;
- Ongoing liaison with the Friends of the Waiohine River;
- Meeting with Hapu members about the requirements for the Urupa site;
- Walking over the land where proposed Greytown stopbank is to be located; and
- Additional development for the concept of the Living Plan and further consideration of potential triggers for adaptive management.

Next steps include:

- Engage the consultant for professional services for the consenting, detailed design and construction of the selected Greytown stop-banking option;
- Make some changes to the working process based on recommendations from Ian Heslop’s review;
- Develop a formal agreement and relationship between GWRC and Ngati Kahukuraawhitia surrounding works to be done for the Urupa;
- Progress drainage works for the Urupa site;
- Consider the feedback and finalise detail on river management and existing stopbanks for inclusion in draft River Plan. This will include another meeting with GWRC operational staff to confirm these recommendations;

- Pull together a first cut of the River Plan (Living Plan) so we can see where any gaps or inconsistencies are;
- Establish the long term form of community input into the River Plan (Living Plan), this will involve some liaison with the local community;
- Meet with WREMO/GWRC on emergency management;
- Meet with CDC/SWDC on land use controls;
- Finalising flood maps;
- Refining concepts of funding, i.e. who should pay; and
- Recommending some approaches to the ongoing river management to be tested in the community.

The Project Team facilitator's estimate of progress in November was 85%. This estimate has not been updated. There is still some uncertainty about the volume of remaining work.

7. Consideration of climate change

The matters addressed in this report have been considered by officers in accordance with the process set out in the GWRC Climate Change Consideration Guide.

7.1 Mitigation assessment

Mitigation assessments are concerned with the effect of the matter on the climate (i.e. the greenhouse gas emissions generated or removed from the atmosphere as a consequence of the matter) and the actions taken to reduce, neutralise or enhance that effect.

Officers have considered the effect of the matter on the climate. Officers recommend that the matter will have an effect that is not considered significant.

Officers note that the matter does not affect the Council's interests in the Emissions Trading Scheme (ETS) or the Permanent Forest Sink Initiative (PFSI)

7.2 Adaptation assessment

Adaptation assessments relate to the impacts of climate change (e.g. sea level rise or an increase in extreme weather events), and the actions taken to address or avoid those impacts.

GWRC plans for climate change in assessing the degree of future flood hazard and in determining an appropriate response. There are only specific, limited situations in which climate change is not relevant (for example, planning for present-day emergency management).

In assessing flood hazard and determining appropriate structural and/or non-structural responses in areas subject to flood risk, GWRC is applying a rainfall increase of 20% to the flood hydrology in the FMP to account for climate change over the next 100 years.

Guidance from the Ministry for the Environment will be updated from time to time and our approach will be revised in line with any updates.

8. The decision-making process and significance

No decision is being sought in this report.

8.1 Engagement

Engagement on this matter is unnecessary.

9. Recommendations

That the Subcommittee

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

Report prepared by:

Francie Morrow
Project Manager –
Floodplain Management
Plans

Report approved by:

Graeme Campbell
Manager, Flood
Protection

Report approved by:

Wayne O'Donnell
General Manager,
Catchment Management



Report 2019.41
Date 12 February 2019
File CCAB-12-359

Committee Te Kāuru Upper Ruamahanga FMP Subcommittee
Author Francie Morrow, Project Manager – Floodplain Management Plans

Te Kāuru Upper Ruamāhanga FMP draft Volume 3 – endorsement for public engagement

1. Purpose

To seek endorsement of the Te Kāuru Upper Ruamahanga Floodplain Management Plan (TKURFMP) Volume 3 from the TKURFMP Subcommittee and recommendation of the document for public engagement.

2. Background

Te Kāuru Upper Ruamahanga Floodplain Management Plan Subcommittee is responsible for the development and adoption of TKURFMP.

The FMP is being developed in collaboration with Masterton District Council (MDC), Carterton District Council (CDC), Ngāti Kahungunu ki Wairarapa, Ngāti Rangitāne o Wairarapa, and the wider community, primarily through the Te Kāuru Upper Ruamahanga Subcommittee.

An engagement process was undertaken (Stage 1) on 'Volume 1 – Background and Overview', and 'Volume 2 – Rural Responses' from July to September 2018. Volume 3 - Waipoua Urban Responses has been drafted and we are seeking endorsement and approval to undertake community engagement on Volume 3.

The three volumes will be combined into a single document prior to a final round of consultation.

The contents of the three draft FMP volumes are:

- Volume 1 – Background and Overview (including Common Methods descriptions)
- Volume 2 – Reach Values, Issues and Rural Responses
- Volume 3 – Waipoua Urban Responses

3. Comment

The Te Kāuru Upper Ruamahanga FMP Subcommittee received a working draft of Volume 3 on 8 February 2019. This was subsequently provided to MDC councillors on 20 February 2019.

Feedback was received and has been (or will be) incorporated into Volume 3 prior to engagement.

Endorsement of Volume 3, which will be tabled at this meeting, is being sought for the purposes of public engagement.

Volume 3 proposed a staged approach to managing the flood and erosion risk over the next 30 years. This will allow better understanding of the current and future risks to Masterton, prior to a large financial investment. We will communicate and engage with the community during each stage of the process.

The flood management responses developed for the urban reach of the Waipoua River include a combination of non-structural measures, improved river channel capacity, and new and upgraded stopbanks.

4. Next Steps

A communications and engagement plan was supported by the Subcommittee at a workshop on 13 February 2018. The project team has commenced pre-engagement activities.

Proposed engagement events include:

- Two drop in centres at the Masterton Club;
- Stalls at the farmers markets and car boot sales; and
- Community group meetings.

Resources are being developed for these engagement events including:

- A brochure for distribution to mailboxes in the Te Kauru catchment;
- A four-page summary document of Volume 3;
- A frequently asked question hand out;
- A feedback form; and
- Posters for advertising the engagement events.

The following media and advertising is also proposed to take place:

- Press release
- Pre-recorded radio interview

- Social media messaging
- ½ page print adverts (twice in Wairarapa Midweek)
- Masterton Monthly wrap (MDC newsletter)
- The Te Kāuru website

Pending endorsement from the Subcommittee, MDC and iwi partners, the intent is to start public engagement on Volumes 1 and 2 from late February 2019.

5. Consideration of Climate Change

The matters addressed in this report have been considered by officers in accordance with the process set out in the GWRC Climate Change Consideration Guide.

5.1 Mitigation assessment

Mitigation assessments are concerned with the effect of the matter on the climate (i.e. the greenhouse gas emissions generated or removed from the atmosphere as a consequence of the matter) and the actions taken to reduce, neutralise or enhance that effect.

Officers have considered the effect of the matter on the climate. Officers recommend that the matter will have an effect that is not considered significant.

Officers note that the matter does not affect the Council's interests in the Emissions Trading Scheme (ETS) or the Permanent Forest Sink Initiative (PFSI).

5.2 Adaptation assessment

Adaptation assessments relate to the impacts of climate change (e.g. sea level rise or an increase in extreme weather events), and the actions taken to address or avoid those impacts.

GWRC plans for climate change in assessing the degree of future flood hazard and in determining an appropriate response. There are only specific, limited situations in which climate change is not relevant (for example, planning for present-day emergency management).

In assessing flood hazard and determining appropriate structural and/or non-structural response in areas subject to flood risk, GWRC is applying a rainfall increase of 20% to the flood hydrology in the Floodplain Management Plan to account for climate change over the next 100 years.

Guidance from the Ministry for the Environment will be updated from time to time and our approach will be revised in line with any updates.

6. The decision-making process and significance

Officers recognise that the matters referenced in this report may have a high degree of importance to affected or interested parties

The matters requiring decision in this report have been considered by officers against the requirements of Part 6 of the Local Government Act 2002 (the Act). Part 6 sets out the obligations of local authorities in relation to the making of decisions.

6.1 Significance of Decision

Part 6 requires Greater Wellington Regional Council to consider the significance of the decision. The term ‘significance’ has a statutory definition set out in the act.

Officers have considered the significance of the matter, taking the Council’s significance and engagement policy and decision-making guidelines into account. Officers recommend that the matter be considered to have low significance.

Officers do not consider that a form record outlining considerations of decision-making process is required in this instance.

6.2 Engagement

Engagement on the matters contained in this report aligns with the level of significance assessed. The following engagement processes have been followed to date:

- Engagement on Volumes 1 and 2 of the Te Kāuru FMP
- Release and engagement of updated flood maps for Masterton
- Engagement on possible flood management approaches for the Waipoua urban reach

The next step of engagement is outlined in Section 4 of this report.

7. Recommendations

That the Subcommittee:

1. *Receives the report.*
2. *Notes the content of the report.*
3. *Endorses the draft Te Kāuru Upper Ruamahanga Floodplain Management Plan – Volume 3.*
4. *Approves the draft Te Kāuru Upper Ruamahanga Floodplain Management Plan – Volume 3 for public engagement.*

Report prepared by:

Francie Morrow
Project Manager –
Floodplain Management
Plans

Report approved by:

Graeme Campbell
Manager, Flood
Protection

Report approved by:

Wayne O'Donnell
General Manager,
Catchment Management