



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

If calling please ask for: Democratic Services

13 February 2019

Hutt Valley Flood Management Subcommittee

Order Paper for meeting to be held in the Council Chamber, Hutt City Council, 30 Laings Road, Lower Hutt on:

Thursday, 21 February 2019 at 4.30pm

Membership of the Subcommittee

Wellington Regional Council

Cr Lamason (Chair)	Cr Laban (Deputy)	Cr Kedgley
Cr Laidlaw	Cr Ogden	Cr Swain

Hutt City Council

Mayor Wallace	Deputy Mayor Bassett	Cr Milne
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Upper Hutt City Council

Mayor Guppy	Cr Swales	Cr Taylor
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Kara Puketapu-Dentice

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

Hutt Valley Flood Management Subcommittee

Order Paper for meeting to be held on Thursday, 21 February 2019 in the Council Chamber, Hutt City Council, 30 Laings Road, Lower Hutt at 4.30pm

Public Business

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RiverLink

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Please note that these minutes remain unconfirmed until the meeting of the Hutt Valley Flood Management Subcommittee on 21 February 2019

13 February 2019

Report 18.519

30/10/2018

File: CCAB-14-482

Minutes of the Hutt Valley Flood Management Subcommittee meeting held in the Council Chamber, Upper Hutt City Council, 838-842 Fergusson Drive, Upper Hutt on Tuesday, 30 October 2018 at 4:54pm

Present

Councillors Lamason (Chair), Laban, Ogden (from 4:58am), and Swain (Greater Wellington Regional Council), Deputy Mayor Bassett, and Councillor Milne (Hutt City Council), and Mayor Guppy (Upper Hutt City Council)

Public Business

1 Apologies

Moved

(Cr Milne/ Cr Ogden)

That the Subcommittee accepts the apologies for absence from Mayor Wallace and Councillors Kedgley, Swales and Taylor.

The motion was **CARRIED**.

2 Declarations of conflict of interest

There were no declarations of conflict of interest.

3 Public Participation

There was no public participation.

4 **Confirmation of the minutes of 18 September 2018**

Moved

(Cr Laban/ Mayor Guppy)

That the Subcommittee confirms the minutes of 18 September 2018, Report 18.418.

The motion was **CARRIED**.

General

5 **Project Manager's Report**

Alistair Allan, Team Leader, Floodplain Management Plan Implementation, spoke to the report.

Report 18.493

File: CCAB-14-474

Moved

(Cr Milne/ Cr Swain)

That the Subcommittee:

1. *Receives the report.*
2. *Notes the content of the report.*
3. *Requests that officers investigate the future requirements for rock rip rap in the Region, consider the potential sources, including Greater Wellington Regional Council supporting the development of a local source, and report progress back at the first meeting of the Subcommittee in 2019.*

The motion was **CARRIED**.

RiverLink

6 **RiverLink Project Manager's Report**

Alistair Allan, Team Leader, Floodplain Management Plan Implementation, spoke to the report.

Report 18.494

File: CCAB-14-475

Moved

(Deputy Mayor Bassett/ Cr Milne)

That the Subcommittee:

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

The motion was **CARRIED**.

The meeting closed at 5:53pm.

Cr P Lamason
(Chair)

Date:



Report 19.10
Date 13 February 2019
File CCAB-14-496

Committee Hutt Valley Flood Management Subcommittee
Author Wayne O'Donnell, General Manager, Catchment Management

Action items from previous meetings

Attachment 1 lists items raised at Hutt Valley Flood Management Subcommittee meetings that require actions or follow-ups from officers. All action items include an outline of current status and a brief comment. Once the items have been completed and reported to the Subcommittee, they will be removed from the list.

No decision is being sought in this report. This report is for the Subcommittee's information only.

Recommendations

That the Subcommittee:

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

Report approved by:

Wayne O'Donnell
General Manager, Catchment
Management

Attachment 1: Action items from previous meetings

Attachment 1 to Report 19.10

Action items from previous Hutt Valley Flood Management Subcommittee meetings

Meeting date	Action item	Status and comment
30 October 2018	<p>Resolution:</p> <p><i>Requests that officers investigate the future requirements for rock rip rap in the Region, consider the potential sources, including Greater Wellington Regional Council supporting the development of a local source, and report progress back at the first meeting of the Subcommittee in 2019.</i></p>	<p>Status: <i>In progress</i></p> <p>Comments:</p> <p>A summary of the rock supply investigation is part of Report 19.25</p>



Report 19.25
Date 13 February 2019
File CCAB-14-497

Committee Hutt Valley Flood Management Subcommittee
Author Alistair J N Allan, Team Leader, FMP Implementation

Project Manager's Report

1. Purpose

To update the Hutt Valley Flood Management Subcommittee (the Subcommittee) on progress made with general Hutt Valley Flood Management (HVFM) projects.

2. Background

Greater Wellington Regional Council (GWRC) has ongoing projects within the Hutt Valley and its wider catchment. Major projects are further detailed in separate reports. This report tracks and reports on progress of all projects, and provides references to major project reports.

The projects are included in or guided by the Hutt River Floodplain Management Plan 2001.

3. Flood Warning Improvement Project

In 2017 we completed a flood warning system review. A project is underway to implement the recommendations of this review. The first step is the development of a community-led flood warning system across a number of rivers and streams within the Region.

We have developed a pilot for this improved flood warning system approach, and we have formed a multi-agency team to lead its development. This team is a partnership between Wellington Region Emergency Management Office, Wellington Water, MetService, GNS Science, Hutt City Council, and Friends of Waiwhetu.

The pilot focuses on the Waiwhetu Stream catchment and looks to develop new processes and, if required, investment in supporting infrastructure to meet the community needs.

3.1 Worcester Polytechnic Institute Waiwhetu Community Study

The first part of this pilot is a community needs analysis. We are making use of our partnership with Worcester Polytechnic Institute (WPI), USA, to carry out this needs analysis. Four WPI students will engage with the Waiwhetu (and surrounding area) communities to run surveys and interviews. The results of their investigation and accompanying recommendations will form the basis of development of the pilot system.

The WPI investigations take the form of a combination of online surveys, local community surveys, and face-to-face interviews.

The students will present about their work in progress at the Subcommittee meeting. They are due to complete their work and submit it to officers at GWRC in March.

4. Pinehaven Stream FMP Implementation

4.1 Plan Change 42

The Environment Court programme was delayed prior to the Christmas break. A verbal update will be provided at the meeting

5. Rock supply investigation

At its meeting on 30 October 2018, the Subcommittee requested officers investigate potential alternate rock supplies, particularly in regard to the quantities of rock required for the RiverLink project, but also for ongoing maintenance and erosion management needs.

We have completed the first stage of this investigation and a forecast rock demand for the next 30 years. This developed an estimate that takes into account the requirements for all remaining projects in the flood management plans currently in place and in development, and the ongoing maintenance requirements. We included, as part of this study, a statistical estimate of rock damage that would occur as a result of flood events (for the purposes of this part of the estimate, an annualised cost approach was used based on frequency of various size flood events in perpetuity). This defines an annual rock requirement, and the demand our work is able to create that can be used to determine if establishment of a quarry is a viable proposal.

The second stage of this investigation has commenced. We are investigating sources of potential rock supply within the Region. This includes both existing quarry sites and new quarry sites, as well as locations where rock is available at surface level without the need for quarry establishment. Finding suitable sites within the Wellington Region is challenging due to the fractured nature of the rock and the extensive fault lines that criss-cross the Region. Further site visits to carry out visual inspection and review of available geotechnical information is required. We do not propose to undertake additional geotechnical investigations at this time.

We have approached existing quarry operators for high-level information about the availability of rock within their existing quarries and to discuss future plans

for establishment of quarries within the Region that may be able to meet our quality and quantity needs.

6. Gibbons Street Rock Repair

The design for this project has been completed and the necessary rock rip rap delivered to site. Construction of the work is programme to start in late February 2019. We are continuing to work with NZ Transport Agency on this project, as the loss of berm has affected the ability of oversized loads to use the area to bypass the adjacent traffic island on State Highway 2. We are currently awaiting formal approval of a contribution to 50% of the cost of the works.

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.

HVFM projects are subject to GWRC's initiatives designed to minimise greenhouse gas emissions and enhance sequestration capacity where possible. These include the proposed Code of Practice (which guides all river management activities undertaken by GWRC for the purposes of flood and erosion protection across the Wellington Region), the GWRC corporate sustainability programme, and GWRC's procurement process and will encourage suppliers and contractors to minimise emissions.

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 GWRC applies the following allowances for climate change predicted to occur over the next 100 years in the design criteria for flood hazard investigations:

- Increases in rainfall intensity – 20%
- Sea level rise – 0.8m

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:

Alistair J N Allan
Team Leader, FMP
Implementation

Report approved by:

Graeme Campbell
Manager, Flood Protection

Report approved by:

Wayne O'Donnell
General Manager, Catchment
Management



Report 2019.26
Date 1 February 2019
File CCAB-14-498

Committee Hutt Valley Flood Management Subcommittee
Author Alistair J N Allan, Team Leader, FMP Implementation

RiverLink Project Manager’s Report

1. Purpose

To update the Hutt Valley Flood Management Subcommittee (the Subcommittee) on progress made with the RiverLink Project.

2. Background

RiverLink extends from Kennedy Good Bridge to Ewen Bridge, and aims to provide better flood protection, transport and lifestyle for central Hutt. The RiverLink Project (the Project) completed its Preliminary Design Phase in June 2018. The Project is preparing for Detail Design and Statutory Approvals Phase.

3. Financial Summary

Item	Current Allocated Budget \$M	Current Estimated Forecast \$M	Variance \$M	Notes
Flood Protection Property	\$82	\$76	\$6	Figures exclude potential residual property value of \$15M Property acquisition is currently in progress. 69 properties have been fully acquired, and a further 17 are in various stages of negotiation.
Urban Design Property	\$7	\$7	0	Figures exclude residual property value of \$3M Property acquisition is currently in progress

Flood Protection upgrades	\$43	\$43	\$0	Includes river channel, edge protection, and stopbanks. Includes allowance for design, consent and delivery
River ecology and amenity	\$2	\$3	(\$1)	Includes instream and riparian ecology, habitat and biodiversity
Urban Design Upgrades	\$26.3	\$28.6	(\$2.3)	Making Places Components and Promenade
Pedestrian Cycle Bridge	\$6.5	\$7	(\$0.5)	Design and length will influence final cost
Stormwater	\$2.1	\$6	(\$3.9)	Includes wetland treatment infrastructure
Sub-total	\$168.9	\$170.6		
New Melling Bridge	\$6.5	\$34	(\$27.5)	No allowance at this stage for any NZTA contribution which is subject to completion of DBC and subsequent board decision
Melling Transport Improvements	\$TBC	\$TBC		NZTA contribution is subject to completion of DBC and subsequent board decision
Melling Station Relocation	TBC	\$23	(\$23)	Currently unfunded. Contributions are subject to completion of DBC and subsequent board decision and other detailed design work.

4. RiverLink Project Director

Greater Wellington Regional Council and Hutt City Council have advertised for a Project Director for the delivery of the combined RiverLink project. The project Director will be responsible for structuring a project delivery office including involvement with the appointment of project manager. The primary focus of the role will be completion of the detail design and consent phase of the RiverLink project

5. Request for tenders

The Request for Tender (RFT), was released to market on 7 Feb 2019. The tender includes work required for GWRC and HCC, but excludes NZTA. The tender allows for NZTA to join the tender before the tender closing date, however this may require an extension of the tender period to allow for the tendering parties to incorporate the NZTA requirements.

6. Engagement

6.1 Summer Events Programme

The GWRC-co-ordinated summer events programme commenced on 2 Feb 2019. Each weekend throughout the summer there are several events planned.

Together with HCC, we have added new play elements expanding on the success of the riverbank beach. These include casual sport spaces trialling use of dual use for car parks, access and path improvements to connect the beach, carpark and Andrews Ave, and additional boulder seating and play rocks in and adjacent to the river.

We will provide a brief presentation at the meeting about events held.

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.

The GWRC components of the RiverLink Project are subject to GWRC's initiatives designed to minimise greenhouse gas emissions and enhance sequestration capacity. We will work with our project partners to develop a joint procurement approach that supports GWRC's mitigation objectives once we have entered that stage of the design process. The current basis that will be referred to for this includes the proposed Code of Practice (which guides all river management activities undertaken by GWRC for the purposes of flood and erosion protection across the Wellington Region), the GWRC corporate sustainability programme and GWRC's procurement process and will encourage suppliers and contractors to minimise emissions.

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.

The design development for RiverLink acknowledges the need to adapt to a changing climate and aims to address these predicted impacts. GWRC has included allowances for climate change impacts and these are being finalised for the purposes of completing RiverLink Preliminary Design.

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:

Alistair J N Allan
Team Leader, FMP
Implementation

Report approved by:

Graeme Campbell
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