



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

If calling please ask for: Democratic Services

9 May 2019

Hutt Valley Flood Management Subcommittee

Order Paper for meeting to be held in the Council Chamber, Upper Hutt
City Council, 838 – 842 Fergusson Drive, Upper Hutt on:

Tuesday, 14 May 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 Tuesday, 14 May 2019 in the Council Chamber, Upper Hutt City Council, 838 – 842 Fergusson Drive, Upper Hutt at 4.30pm

Public Business

		Page No
1. Apologies		
2. Declarations of conflict of interest		
3. Public participation		
4. Confirmation of the minutes of 21 February 2019	Report 19.60	3

General

5. Project Manager's Report	Report 19.166	6
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RiverLink

6. RiverLink Project Managers Report	Report 19.165	10
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Please note that these minutes remain unconfirmed until the Hutt Valley Flood Management Subcommittee meeting on 14 May 2019

Report 19.60

21/02/2019

File: CCAB-14-510

Minutes of the Hutt Valley Flood Management Subcommittee meeting held in the Council Chamber, Hutt City Council, 30 Laings Road, Lower Hutt on Thursday, 21 February 2019 at 4:36pm

Present

Councillors Lamason (Chair), Laban, Kedgley, and Swain (Greater Wellington Regional Council); Deputy Mayor Bassett and Councillor Milne (Hutt City Council); Mayor Guppy and Councillors Swales and Taylor (Upper Hutt City Council).

Public Business

1 Apologies

Moved

(Cr Lamason/ Cr Kedgley)

That the Subcommittee accepts the apologies for absence from Councillors Laidlaw and Ogden, and Mayor Wallace.

The motion was **CARRIED**.

2 Declarations of conflict of interest

There were no declarations of conflict of interest.

3 Public Participation

Chester Barber, Joseph Esposito, Lindsey Stevens, and Brandon Weyant, students of Worcester Polytechnic Institute, Massachusetts, gave a presentation to the Subcommittee in relation to improving flood warning systems in Lower Hutt.

4 **Confirmation of the minutes of 30 October 2018**

Moved (Deputy Mayor Bassett/ Cr Laban)

That the Subcommittee confirms the minutes of 30 October 2018, Report 18.519.

The motion was **CARRIED**.

5 **Action items from previous meetings**

Report 19.10

File: CCAB-14-496

Moved

(Cr Lamason/ Cr Kedgley)

That the Subcommittee:

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

The motion was **CARRIED**.

General

6 **Project Manager's Report**

Alistair Allan, Team Leader, Floodplain Management Plan Implementation, Brendan Paul, Senior Project Engineer, Implementation, and Sue Faulkner, Project Coordinator, Floodplain Management Plan Implementation, spoke to the report.

Report 19.25

File: CCAB-14-497

Moved

(Mayor Guppy/ Cr Laban)

That the Subcommittee:

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

The motion was **CARRIED**.

Noted: The Subcommittee requested an update on rock supply investigations at the next meeting.

RiverLink

6 **RiverLink Project Manager's Report**

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

Report 19.26

File: CCAB-14-498

Moved

(Deputy Mayor Bassett/ Cr Laban)

That the Subcommittee:

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

The motion was **CARRIED**.

Noted: The Subcommittee requested a report on the structure and governance arrangements of the RiverLink Project Delivery Office to the next meeting.

The meeting closed at 5:58pm.

Cr P Lamason
(Chair)

Date:



Report **2019.166**
Date 26 April 2019
File CCAB-14-521

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

Hutt Valley Flood Management Project Managers 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

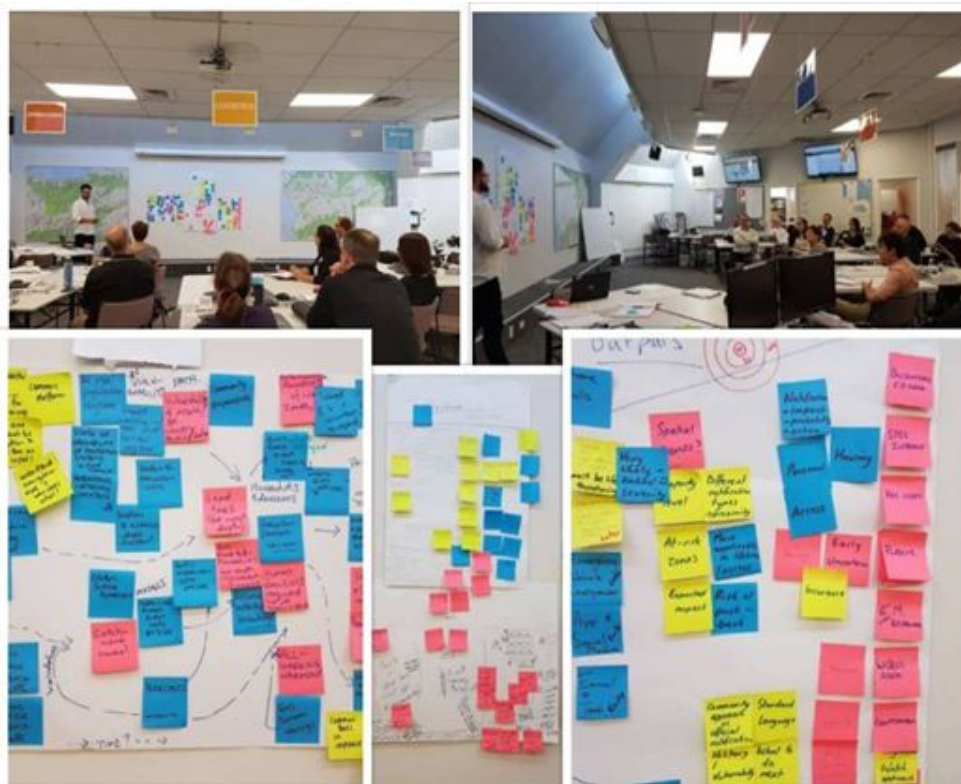
This project is about improving the effectiveness of flood warning and response systems, using the Waiwhetu catchment as a trial. The project team held two stake-holder workshops facilitated by GNS, in April with representatives from WREMO, Hutt City, Metservice, Wellington Water, GNS and Friends of Waiwhetu.

Workshop 1 – Collaboratively drafted the design of the flood warning system utilising recommendations from GNS and WPI students' reports.

Workshop 2 – Tested the flood warning system using the 2004 floods in Lower Hutt

Workshops ran successfully with high engagement from participants.

The next steps are for GWRC and WREMO to develop an implementation plan for Waiwhetu and strengthen the Inter-agency framework for roles and responsibilities during a flood event.



4. Pinehaven Flood Plain Management Plan Implementation

4.1 Plan Change 42

The Environment Court appeal continues. The experts' conferencing part of the appeal process was completed on 8 April and 9 April. Mediation is scheduled for early May. At the first mediation session Save Our Hills advised that they have withdrawn their appeal. We are now working with the other parties who joined the appeal to see if they are also going to withdraw.

4.2 Implementation

A verbal update will be given at the meeting on progress with the resource consent process.

5. Environmental Strategy Implementation

5.1 Trail Connections Hulls Creek

Work has commenced to design and cost an improved trail connection for the Hutt River Trail across Hulls Creek. This trail connection is flagged as one of the medium priority items in the Te Awa Kairangi Environmental Strategy Action Plan.

5.2 Friends of Waiwhetu Stream weed control trial

A trial is in development to look at future weed control methods for the plantings carried out by Friends of Waiwhetu Stream. This aims to develop and test a sustainable approach to weed management that reduces the risk of planting failure and reduce the use of plastics for weed control. The trial development is being supported by the Friends of Waiwhetu Stream, Hutt City Council and Greater Wellington Regional Council.

6. Gibbons St erosion repair

The construction of a 200 metre rock line to the design channel alignment has been completed with just minor reinstatement and ongoing environmental monitoring to be completed onsite in early May. The construction works took 10 weeks to complete with no health and safety or environmental incidents reported. 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 still 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 2019.165
Date 26 April 2019
File CCAB-14-520

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

RiverLink Project Managers 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	\$79	\$3	Figures exclude potential residual property value of \$15M Property acquisition is currently in progress. 76 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 for consenting of work is subject to board decision following completion of DBC. NZTA has stated funding for construction will not be considered until after 2028
Melling Station Relocation	TBC	\$23	(\$23)	Currently unfunded. Contributions are subject to completion of DBC and subsequent board decision and other detailed design work. NZTA has stated funding for construction will not be considered until after 2028

4. NZ Transport Agency decision - Melling Transport Improvements

4.1 NZTA Media Release and statement

NZTA have confirmed the preferred option for Melling Transport Improvements and that they will complete the detailed business case for this preferred option, including preliminary design. A decision will then be made early 2020 on whether to proceed with resource consents and designations for the project. Funding for construction is not currently programmed until beyond 2028.

4.2 Project impacts

4.2.1 Flood Risk Management

The full flood security improvements cannot be realised without the replacement of Melling Bridge as part of the transport improvements package. The flood security design will be able to provide a 1-in-200 year return period (0.5% AEP) level of flood protection, compared with a design 1-in-440 year return period (0.2%AEP) level of flood protection. This will require additional residual risk management approaches that will need to be developed with Wellington Regional Emergency Management Office (WREMO) and the Hutt Valley Civil Defence teams.

The stopbank upgrade work can proceed to provide some level of improved protection, however the synergy benefits of doing these works in conjunction with the transport improvements package cannot be realised. These synergy benefits are significant, both in the consenting phase and even more so in the construction phase and not capitalising on them will reduce project efficiency.

Further work is being done to consider how NZTA would be able to engage in the project now rather than waiting for the Detailed Business Case to be completed.

4.2.2 Making Places

The making places vision includes improved access to and from Hutt City Centre. The decision to postpone the decision on funding of construction of the transport improvements until after 2028 creates uncertainty for private investors looking to develop land adjacent to RiverLink.

The development of civic infrastructure, including the promenade, pedestrian cycle bridge, laneways connections and river to city connections can proceed, however the economic case supporting this investment is weakened by removal of the improved transport connections.

4.2.3 Consenting

Two aspects of consenting are affected by the announcement from NZ Transport Agency. The full benefits, including flood security targets and economic development targets, may not be able to be realised for the project without NZ Transport Agencies commitment to the project.

The cost synergies derived from three parties working together are lost, meaning that an additional \$2.5M has had to be forecast across the two parties sharing the costs of this phase of work. Forecast costs for consent work inclusive of NZ Transport Agency is \$12M (\$4.6M NZTA, \$3.8M HCC, \$3.8M GWRC), and \$10M (\$5M HCC, \$5M GWRC) when excluding the NZ Transport Agency.

4.2.4 Risk Assessment

A full assessment of all project risks including the influence of NZTA's recent decision is being undertaken by the project team. This work will be presented to the next Hutt Valley Flood Management Sub Committee meeting.

5. RiverLink Management Structure Review Outcomes

In late 2018 the project teams commenced a review of management and governance structure for delivery of the next phase of RiverLink. This review recommended to the Chief Executives of Hutt City Council and Greater Wellington Regional Council the establishment of;

(a) Project Management Board

Comprised of a General Manager from each of GWRC and HCC, an officer from NZTA, an appointee from Ngati Toa Rangitira, an appointee from Port Nicholson Block Settlement Trust and an independent chair person. The board would be tasked with delivery of the RiverLink Project to meet the objectives of each partner organisation.

The establishment of the board has been confirmed through signing of a partnership agreement between the funding partners of HCC and GWRC, which includes a Deed of Accession for NZ Transport Agency should it become a funding partner.

The terms of reference for this board currently provide for GWRC and HCC as voting parties, and the NZ Transport Agency, Ngati Toa Rangitira and Port Nicholson Block Settlement Trust as supporting parties. The terms of reference are being further developed to strengthen these supporting roles.

(b) Project Director

This position was advertised in February 2019 and the position filled. The successful applicant will be introduced to the Subcommittee at the meeting. The position reports to the Management Board and will be responsible for implementing the Riverlink project. The first role of the Project Director will be establish a project office and engage the necessary resources to proceed from here. Currently a position of Project Manager has been advertised.

(c) Project Office

Appointed by the project director and project board, the project office will include a project manager appointed by the board, and its operating structure will be developed with the Project Director.

6. Procurement for consent and design services

The procurement process for consultancy services to deliver the detailed design and consents has identified a preferred supplier. Negotiations have commenced with this supplier with the intention of making an appointment in late May.

7. Engagement and Communications

7.1 Wellington Region Business Expo

RiverLink will be present at the Wellington Region Business Expo being held on 7 May at the Lower Hutt Events Centre. The stand aims to raise awareness of RiverLink and the Hutt City Transformation Plan with businesses within Hutt City.

7.2 Hutt Valley Sports Awards

RiverLink will feature as a backdrop for the Hutt Valley Sports Awards being held on 16 May at the Walter Nash Centre.

8. 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.

8.1 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.

8.2 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.

9. The decision-making process and significance

No decision is being sought in this report.

9.1 Engagement

Engagement on this matter is unnecessary.

10. 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