

Committee Members

Chair: Frank Dooley
Cr Andy Campbell
Cr Brett Cummings

Cr Peter Haddock
Cr Peter Ewen
Cr Mark McIntyre



WEST COAST
REGIONAL COUNCIL

PUBLIC COPY

Meeting of Infrastructure Governance Committee
(Te Huinga Tu)

Tuesday, 9 July 2024

**Following the completion of the
Council Meeting**

**West Coast Regional Council Chambers, 388 Main South Road,
Greymouth
and**

Live Streamed via Council's Facebook Page:

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Infrastructure Governance Committee Meeting

(Te Huinga Tu)

AGENDA

(Rarangi Take)

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1. Welcome (<i>Haere mai</i>)	
2. Apologies (<i>Ngā Pa Pouri</i>)	
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10. General Business

PUBLIC EXCLUDED BUSINESS

11. Confirmation of Public Excluded Minutes

- 11.1** Minutes of Infrastructure Governance Committee Meeting 4 June 2024
Matters arising

12. Actions List

13. Reports

- 13.1** Franz Josef IGC Project Status Report June 2024 – Financial Public Excluded
 13.1.1 *June 2024 WCRC IGC Project Status Report*
 - Franz Josef – Financial Public Excluded

- 13.2** Greymouth IGC Project Status Report June 2024
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 - 13.2.1** *June 2024 WCRC IGC Project Status Report*
 - *Greymouth - Financial Public Excluded*

- 13.3** Hokitika IGC Project Status Report June 2024
 - Financial Public Excluded
 - 13.3.1** *June 2024 WCRC IGC Project Status Report*
 - *Hokitika - Financial Public Excluded*

D. Lew
Chief Executive

Purpose of Local Government

The reports contained in this agenda address the requirements of the Local Government Act 2002 in relation to decision making. Unless otherwise stated, the recommended option promotes the social, economic, environmental, and cultural well-being of communities in the present and for the future.

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**5 Minutes of Infrastructure Governance
Committee Meeting 4 June 2024**

Author Sarah Tripathi, Governance Advisor

Authorizer

Public Excluded No

Report Purpose

The purpose of this report is to receive the minutes of the Infrastructure Governance Committee meeting of 4 June 2024.

Recommendations

It is recommended that Council resolves to:

1. *Confirm that the minutes of the Infrastructure Governance Committee meeting held on 4 June 2024 are a true and correct record.*

Attachments

Attachment 1: Minutes of the Infrastructure Governance Committee meeting held on 4 June 2024.

THE WEST COAST REGIONAL COUNCIL
MINUTES OF THE INFRASTRUCTURE GOVERNANCE COMMITTEE MEETING HELD ON
4 JUNE 2024 AT THE OFFICES OF THE WEST COAST REGIONAL COUNCIL
388 MAIN SOUTH ROAD, GREYMOUTH COMMENCING AT 2.15PM

PRESENT:

F. Dooley (Chair), M. McIntyre, P. Ewen, A. Campbell, B. Cummings

IN ATTENDANCE:

D. Lew (Chief Executive), F. Tumahai (Te Rūnanga o Ngāti Waewae), S. Morgan (Group Manager – Environmental Science), J. Field (Group Manager Office of the CE), K. Maynard (Senior Asset Lead), S. Tripathi (Governance Advisor), T. Hopkins (Group Manager – Catchment Management), J. Allen (Group Manager – Regulatory & Policy), S. Hoare (Inovo IGC Programme Manager), B. McMahon (Media)

1. Welcome (*Haere mai*)

The Chair opened the meeting and welcomed everyone.

2. Apologies (*Ngā Pa Pouri*)

The Chair called for apologies. An apology was received by Cr Peter Haddock.

Moved (McIntyre/ Cummings) *that the apology from Cr P Haddock be received.*

Carried

3. Declarations of Interest

The Chair called for any declarations of interest. Cr McIntyre declared interest relating to Westport and Cr Campbell declared interest relating to Wanganui.

4. Public Forum, Petitions and Deputations (*He Huinga tuku korero*)

There were no public forums or deputations.

5. Confirmation of Minutes

5.1 Minutes of IGC Meeting 7 May 2024

The Chair called for any corrections to the minutes 7 May 2024 meeting. Minor amendments were noted.

Moved (McIntyre/ Campbell) *that, with the corrections made, the minutes of 7 May 2024, be accepted as a true and accurate record.*

Matters Arising

There were none.

6. Actions List

The actions list was reviewed, and the following updates were noted.

- Item 1 – Ongoing.
- Item 2 – Ongoing.
- Item 3 – Completed. To be deleted.
- Item 4 – Ongoing.
- Item 5 – Completed. To be deleted.
- Item 6 – Ongoing, partially completed.
- Item 7 – Completed. To be deleted.
- Item 8 – Completed. To be deleted.
- Item 9 – Completed. To be deleted.
- Item 10 – Ongoing.
- Item 11 – Completed. To be deleted.
- Item 12 – Ongoing.

Moved (Cummings/ McIntyre) *that the Committee receives the Actions List for information.*

Carried

7. Chairs Report

The Chair acknowledged the ongoing work with respect to the quarries and existing infrastructure projects. However, he highlighted that the paper presented to the Westport Joint Committee by P. Blackwood during the month marked a significant step forward in flood protection for the Westport community.

It was also noted that the Committee would review the Asset Management Strategy under section 8.2 of the agenda. The Chair expressed his opinion that this was an excellent paper. When combined with the proposed work program to be presented in July, it would place the Council well on the path to significant improvements that have been long overdue.

Additionally, the Chair mentioned that the Council's existing schemes have a replacement value of \$182 million and protect over 20,000 properties with a total capital value of

\$11.5 billion. He noted that the Council had not previously had a comprehensive asset management system or work program, which was concerning.

The Chair concluded by stating that he looks forward to the continuous improvement and developments outlined in K. Maynard's report.

Moved (Cummings/McIntyre) *that the Chair's Report be received.*

Carried

8. Reports

8.1 Monthly Catchment Management Report

S Morgan spoke to the report and summarised the work done from April 20 to May 20.

Key points included:

- Repairs in the Punakaiki Rating District.
- Updates on the Westport flood scheme.
- Completion of several Rating District meetings with three remaining.
- Provision of natural hazards data, both publicly available and public-excluded.

Question was raised about Avery's floating lagoon in Westport, which S Morgan agreed to clarify via email.

It was noted that natural hazards data table 2 and 3 presented in the report will be emailed to Mr Kevin Smith.

Moved (Campbell/ Ewen) *that the Committee resolves to receive the report.*

Carried

8.2 Asset Management Strategy

K Maynard presented the asset management strategy, recommending that the West Coast Regional Council align its asset management practices to the ISO 5501 series asset management systems.

An amendment to the report was noted on page 25, para 4 of the agenda as –
"The total region has over 26,000 ratepayers, with the total capital value of \$11.5 billion. The number of rateable properties in the Special Rating Districts ranges from 5 to <4,000, protecting over 10,894 properties, with combined capital value of approximately \$4.56 billion."

A brief discussion was held on the report, and it was noted that it was crucial to complete the review of these assets in the next three years.

The detailed work programme will be presented following the national Te Uru Kahika work programme in the August 2024 Committee meeting.

Moved (McIntyre/Campbell) *that the Committee*

1. *Receives the report.*

Carried

Moved (Ewen/ McIntyre) *that the Committee*

2. *Endorses WCRC aligning its asset management practice to ISO55001 series (Asset Management Systems).*
3. *Notes that a detailed work programme for WCRC will be presented to the Committee following receipt of the national Te Uru Kahika (TUK) work programme.*

Carried

9. IRG Projects

9.1 Franz Josef IGC Project Status Report May 2024

S Hoare spoke to the report and took the report as read.

A brief discussion was held on the progress of the project.

Key discussions –

- The contractor had not returned to the site after the recent weather event and prefers to complete the works in one visit.
- Heliport works will be completed by a local contractor. The issue was resolved last week, and the program of work has been received.
- Additional diversion works are required to complete the Havil Wall toe rock.
- The additional questions raised by WDC about vegetation remain unresolved.

Moved (Campbell/ Cummings) *that the Committee receives the report.*

Carried

9.2 Greymouth IGC Project Status Report May 2024

S Hoare spoke to the report and took the report as read.

A brief discussion was held on the progress of the project.

Key discussions –

- Work delays due to unforeseen ground conditions and an undocumented water pipe.
- Construction of Stage 3 has commenced, with Stage 1 to follow.
- Stages 2, 4, and 5 are under review. Discussions with Kanoa will address this issue.

It was noted that S. Hoare will provide the Committee with a detailed risk assessment regarding the omission of Stages 2, 4, and 5 of the projects.

Moved (McIntyre/ Cummings) *that the Committee receives the report and note the attachment.*

Carried

9.3 Hokitika River Walls IGC Project Status Report May 2024

S Hoare spoke to the report and took the report as read.

Key discussion –

- Received written approval from KiwiRail, which was sent to WDC and planners for final review.
- Currently working on Stage 3.
- Focusing on Stage 1B.

Moved (Campbell/ Ewen) *that the Committee receives the report.*

Carried

10. General Business

There was none.

PUBLIC EXCLUDED BUSINESS

Moved (Dooley/ McIntyre) *that:*

1. *the public be excluded from the following parts of the proceedings of this meeting, namely – **agenda items 11 and 13 (inclusive)***

Item No	General Subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 7 of LGOIMA for the passing of this resolution
11.1	Confidential Minutes Infrastructure Governance Committee Meeting – 7 May 2024	The item contains information relating to commercial, privacy and security matters	To protect commercial and private information and to prevent disclosure of information for improper gain or advantage (s7(2)(a), s7(2)(b), and s7(2)(j)).
12.1	Actions List	The item contains information relating to commercial, privacy and security matters	To protect commercial and private information and to prevent disclosure of information for improper gain or advantage (s7(2)(a), s7(2)(b), and s7(2)(j)).
13.1	Quarry Operations Monthly Report	The item contains information relating to commercial matters.	To protect commercial information s7(2)(b)).
13.2	Greymouth IGC Project Status Report May 2024	The item contains information relating to	To protect commercial information s7(2)(b)).

		<i>commercial matters</i>	
13.3	<i>Hokitika IGC Project Status Report April 2024</i>	<i>The item contains information relating to commercial matters</i>	<i>To protect commercial information s7(2)(b)).</i>

and that

2. *Darryl Lew, Shanti Morgan, Jo Field, Top Hopkins, Chris Heath and Scott Hoare be permitted to remain at this meeting after the public have been excluded due to their knowledge of the subjects. This knowledge will be of assistance in relation to the matters to be discussed; and*
3. *That the minute taker also be permitted to remain.*

The meeting moved into the public excluded session at 3.22pm.

.....
Chair

.....
Date

6 Actions List

Author Sarah Tripathi, Governance Advisor

Authorizer

Public Excluded No

Report Purpose

This report is a summary of items that require actions.

Recommendations

It is recommended that the Committee resolve to:

1. *Receive the report.*

ACTIONS LIST

Item No.	Date of Meeting	Item	Officer	Update
1.	4 June 2024	To determine the timelines for the review and update the Flood Protection Bylaw	Principal Engineer	Underway and forecast for completion in quarter one 2024/2025.
2.	4 June 2024	Orphan asset review.	Group Manager – Catchment Management	Ongoing. Over the next 12 months, in conjunction with developing the new asset management system, a project will be initiated to identify and visit known orphan assets. Identification of orphan assets doesn't mean WCRC will assume ownership and liability of these assets and we will take legal advice as required when working through these issues.
3.	4 June 2024	To write a letter to NZTA regarding the concerns (signed by the Council Chair and Mayor WDC). [Previous Action - To follow-up and update Councillors on the post-inspection of the Wanganui – Whataroa left hand bank bridge area inspection with WCRC engineers (2 South	Group Manager – Catchment Management/ Chief People and Capability Officer	Whataroa spurs have been installed by NZTA, retrospective consent application to come. Wanganui Spur design underway and we will receive the consent application in due course.

Item No.	Date of Meeting	Item	Officer	Update
		Island engineers) last week to escalate the matter with the South Island Manager at NZTA.]		
4.	4 June 2024	To investigate the details about the funding availability for Wanganui and clarify on the status.	Area Engineer	Reconciliation of 2022/23 finances complete and presented to Wanganui Rating District meeting 20-June-2024. Reconciliation of 2023/24 finances underway.
5.	4 June 2024	Inquiries about Natural Hazard data – catchment manager to send the NH data in table 2 and 3 of the June catchments report to Kevin Smith.	Group Manager – Catchment Management	Completed. Information provided via email on 21 June 2024.
6.	4 June 2024	To provide a detailed asset management work program in the July meeting (or August if there are delays with the Te Uru Kahika SIG plan.)	Group Manager – Catchment Management	We are yet to receive Te Uru Kahika's proposed work plan for the implementation of a consistent asset management approach across all councils, that will enable a more specific work programme to be developed for WCRC. Paper to IGC to be deferred till August meeting.
7.	4 June 2024	Wanganui Rating Scheme capital upgrade proposal to be presented to the Councillors in July meeting and to the RD at the upcoming June RD meeting.	Group Manager – Catchment Management	Capital Upgrade Proposal discussed at the Wanganui Rating District annual meeting 20-June-2024. Rating district

Item No.	Date of Meeting	Item	Officer	Update
				members have little appetite for contributing to a capital upgrade but resolved to understand proposed scope and cost of concept plan before confirming.
8.	4 June 2024	To task the team with procuring a contract for rock retrieval in the Waiho river including its stock piling (needs approval from the FJ JC)	Group Manager – Catchment Management	Ongoing. No progress this month due to team capacity/priorities.
9.	4 June 2024	Greymouth Projects Report (Agenda item 9.2 of 4 June IGC)- Provide detailed risk assessment of the impacts of not doing the stages 2,4 and 5.	Group Manager – Catchment Management/ S Hoare	Scott Hoare to speak to this action item at the July IGC meeting.
10.	4 June 2024	To look at the spurs at the Whataroa river bridge and Waiho river.	Group Manager – Catchment Management	Due to competing demands we have not been able to get our Chief Engineer and Area Engineer to these sites this period. At our regular meeting with NZTA they noted that the Whataroa Spurs were installed under emergency works provisions, were designed by the same designers that WCRC uses, and that we will have the opportunity to consider the

Item No.	Date of Meeting	Item	Officer	Update
				design when they submit their mandatory consent application. Can councillors please clarify concerns about the Waiho spur(s).
11.		To email an update on the Havill Wall RMA process with WDC to the Councillors after getting an update from the Compliance team.	Group Manager – Catchment Management	Ongoing. Yet there have been no pre-application discussions with, nor an application received from, Westland District Council for the Havill Wall extension.

8. REPORTS

8.1 Monthly Catchment Management Report

Author	Tom Hopkins Group Manager Catchment Management Paulette Birchfield, Northern Area Engineer Kent Jacobsen, Southern Area Engineer Peter Blackwood, Chief Engineer and Westport Flood Protection Scheme Project Manager Sharon Hornblow, Natural Hazards Analyst
Authorizer	Darryl Lew, Chief Executive
Public Excluded	No

Report Purpose

The purpose of this report is to provide the Council with an overview of the work undertaken by the Catchment Management team between May 20th and June 20th, 2024.

Report Summary

This month the Catchment Management team have focused on progressing maintenance and repair projects in the Punakaiki, Wanganui, Whataroa and Franz Josef Rating Districts, organising and hosting the last of the rating district meetings for the 2022/23 year, and managing grant funded capital works projects.

Recommendation(s)

It is recommended that the Committee resolves to:

1. *Receive the report.*

Issues and Discussion

Background

The WCRC Catchment Management team undertake a variety of work:

- Managing significant grant funded capital infrastructure projects in Westport, Greymouth, Hokitika and Franz Josef
- Modelling and other investigatory work to improve flood management approaches

- Management of 23 Rating districts including the maintenance of assets, consenting, compliance, community support and engineering assessments
- Management of natural hazard data and its dissemination to stakeholders

Current situation

Key items of work undertaken this month include:

1. Supporting our Rating Districts

1.1 Punakaiki Rating District

An RFQ for urgent repair of the Punakaiki Seawall closed on 12 June 2024. The council received six quotes from contractors for the repair works. The successful contractor was Henry Adams Contracting Ltd with a quote of \$54,892.00 for the supply and placement of 800 tonnes of armour rock and 50 tonnes of waste rock/rubble. Due to the urgency of the work, the contractor mobilized machinery to the site within two days, and the rock repairs were completed by 20 June 2024.

On the final day, Henry Adams had an operator on-site to finish placing and adjusting rocks in the seawall to ensure they were sound and secure. An additional 76 tonnes of armour rock and 143 tonnes of waste rock/rubble was required to complete the repair, bringing the total tonnage to 1019T and the final cost of the work to \$65,032.00 excl GST.



Figure 1: Punakaiki seawall repair work*Figure 2: Punakaiki seawall repair work*

1.2 Wanganui Rating District

Following the April 2024 flood there has been observations of damage at multiple locations on the Wanganui River. Of these jobs the highest priority has been remediated, being a scour scarp at a location of a relic hook groyne. Together with the actual works, laboratory testing on the rock was completed and the contractor undertook a Health & Safety audit. The repair work was performed by Henry Adams and has progressed successfully in all respects.

There is however the 'Garland' stopbank on the right bank that is constricting flow at this reach. The downstream portion of this stopbank is a private scheme, the upper portion belongs to the Wanganui Rating District scheme. This stopbank does provide protection to the adjacent farmland, but consequently has trained the flow to directly attack this section of the bank. The alignment of the bank also constricts the fairway and this is attributed to aggradation, and subsequently loss of channel capacity. While this repair is complete, it remains a hotspot and priority area for monitoring.



Figure 3: Henry Adams repair site



Figure 4: Green denotes Garland bank, orange denotes left bank stopbank, blue circle denotes job site.

1.3 Whataroa Rating District

Quotes have been requested from contractors to repair the upper most spur on the Whataroa scheme.

Toe rock has been impacted by river scour and requires approximately 800 tonnes of armour rock to be placed in discrete sections along the batter slope.

The request for quotes has closed, and we are working our way through the evaluation of proposed plant and construction methodology. Work is expected to start in July 2024.

1.4 Waitangitaona Rating District

Topographic survey work has been for the Waitangitaona Rating District. This involved both a cross-section survey and a long-section survey. Results from the long section have been graphed and shown below. This data helps WCRC understand what, if any, settlement of the crest has occurred when evaluated against the previous survey. This survey will also tell us the height of a realignment at the downstream extent that took place several years ago.

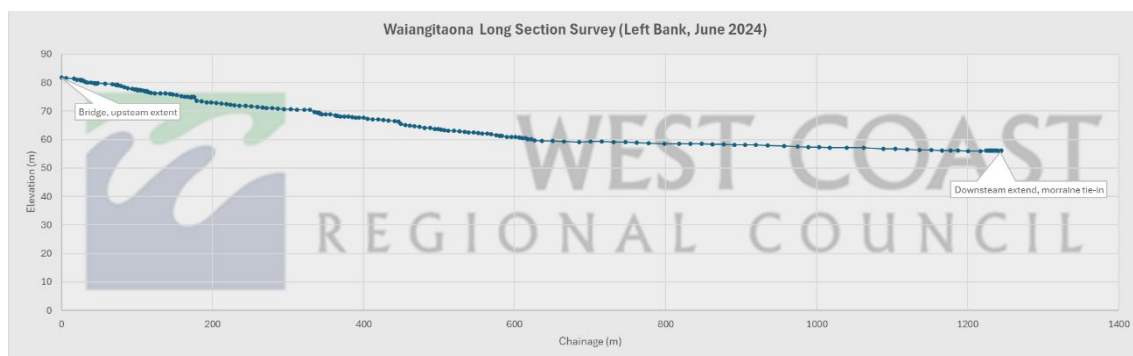


Figure 5: Waitangitaona Flood Protection Scheme Long Section

Quotes have been obtained for spraying of vegetation on the Waitangitaona scheme. The work has been awarded and is in the process of being scheduled.

1.5 Franz Josef Rating District

At Franz Josef there is work commencing to re-construct a spur that became buried due to aggradation of the Waiho bed. This spur/kicker was successfully located, and the rock was retrieved. During the recent Franz Josef Joint Committee Rating District meeting it was agreed to use the rock and reinstate the spur in the same location. This work is urgent with the kicker being an additional defence mechanism for the southside. Due to the works programme on the north side, a diversion is soon to be constructed and it is anticipated flow could again reestablish near at adjacent to the south side banks.



Figure 6: Preparations underway for spur reconstruction

1.5 Rating District Meetings

Meetings for the 2022/23 financial year are all but complete, with only the Greymouth Joint Committee meeting to be held (deferred to 23 July 2024). The Catchment team have successfully delivered seven over the past month and twenty-two in total.

Rating district	Meeting date	Chair (proposed)	Status
Karamea	11-Apr-24	Brett Cummings	Complete
Kongahu	11-Apr-24	Brett Cummings	Complete
Mokihinui	11-Apr-24	Brett Cummings	Complete
Nelson Creek	17-Apr-24	Peter Ewen	Complete
Punakaiki	18-Apr-24	Brett Cummings	Complete
Rapahoe	23-Apr-24	Brett Cummings	Complete
Inchbonnie	2-May-24	Brett Cummings	Complete
Taramakau	2-May-24	Brett Cummings	Complete
Kowhitirangi	1-May-24	Andy Campbell	Complete
Raft Creek	1-May-24	Andy Campbell	Complete
Vine Creek	1-May-24	Andy Campbell	Complete
Franz Joint Committee	6-May-24	Andy Campbell	Complete
Hokitika Joint Committee	6-May-24	Petter Haddock	Complete
Red Jacks	15-May-24	Brett Cummings	Complete
Westport Joint Committee	22-May-24	Independent chair	Complete
Neils Beach	29-May-24	Brett Cummings	Complete
Okuru	29-May-24	Brett Cummings	Complete
Matanui	30-May-24	Brett Cummings	Complete

Waitangitaona	30-May-24	Brett Cummings	Complete
Whataroa	30-May-24	Brett Cummings	Complete
Hokitika South	18-June-24	Peter Haddock	Complete
Wanganui	20-Jun-24	Peter Haddock	Complete
Greymouth Joint Committee	27-Jun-24	Peter Haddock	On Track

Table 1: Rating district meeting scheduled as of 30 March 2024

Scheduling of rating District meetings for the 2023/24 financial year will commence shortly and are expected to be delivered between September and November 2024.

2. Capital projects

2.1 Westport Flood Scheme Upgrade Update

Good progress has been made on the design of the flood mitigation works and has included the below.

General

Apart from the Snodgrass area, assessments have been completed on forecast flood depths on properties outside the stopbanks. Adaptation options can then be considered.

A successful Joint Committee Rating District meeting was held on 22 May 2024. This included presentations on the form of the proposed scheme and answers to some questions from the public.

The commencement of duties by Christine Blair as the Westport Business Support Officer has already shown the immense value of this work.

Cats Creek/Abattoir Drain

Consultation with KiwiRail on the small Cats Creek/Abattoir Drain is close to a conclusion after multiple requests to them. They need to issue a Grant of Right and hopefully we will receive this by the date of the IGC meeting. We have called for quotations for this work.

McKenna Stopbank

Negotiation on the McKenna stopbank is briefly paused while further geotechnical advice is obtained. This geotechnical design is well advanced with seepage and slope stability modelling very close to completion. This first stage will cover at least 780m.

The planning report required for the resource consent for McKenna's stopbank required from West Coast Regional Council is complete, just awaiting final geotechnical design.

Buller River Upstream of SH67 Bridge

Significant progress has been made on finalising alignments for final design in the 2024/25 year. Jordan Mandery has prepared alignments for consultation on the SH67 Buller Bridge upstream to Nine Mile Road end. Landowner consultations will be very important here.

The environmental assessments for this Buller stopbank are being commissioned with a due date for completion of 30 September 2024.

WSP Consultants have advised that their report on the Buller Bridge is very close to completion and still expected by end of June, although a key staff member has been ill. This report will advise whether there are viable and warrantable options for mitigating flood levels at the Buller SH67 Bridge and initial findings are good. Their report is being completed in conjunction with modelling produced by LandRiverSea.

Floating Lagoon

Clearing of the Floating Lagoon vegetation and illegal structures is about to commence. This work is on land owned by Buller District Council. Whilst construction is temporarily held up at Cats Creek and McKenna's stopbanks, this is a good opportunity to complete this work and avert subsequent delays. Letters have been sent to the adjoining landowners together with visits from Stephanie Newburry, Brian Murphy and others.

Portable flood barriers are to be installed over a length of 200 metres to the east of Talleys fishing plant at the Port. Discussions have been held with the HydroResponse Company on the procurement of these barriers. They will be 1.5 metres high.

Carters Beach

Two walkover site investigations have been completed to assess options for flood protection of Carters Beach. Three options are being assessed with hydraulic computer modelling, followed by plans drawn up and costed, ready for presentation to the Westport Steering Group at the September meeting.

Snodgrass

A successful meeting was held with representatives of the Snodgrass community on 18 June 2024 and Peter Blackwood, Matt Gardner and Christine Blair held a preliminary site visit on 21 June 2024. An assessment is to be made of what options are available to mitigate the flood hazard. However, are unlikely to include the Orowaiti River wall, as that raises flood levels 600mm across the river in the 1% AEP flood. This assessment is programmed for September-October 2024.

2.2 Greymouth/Hokitika/Franz Schemes Upgrades Update

For updates on these projects please refer to the Project Status Reports supplied by Inovo.

3. Natural Hazards

Following release of spatial datasets and technical reports on coastal hazards to our Territorial Authorities, a formal letter including release of Buller River flood modelling data has been drafted for Buller District Council staff. This will make the process of calculating floor heights (for example) much smoother as BDC can use the data in-house using their own spatial applications.

A list of the recent reports is being compiled which will be uploaded to refresh the website as per quarterly target. Spatial datasets and reports which are still in a stage awaiting external peer review will not be uploaded at this point, but there are still many reports and some natural hazard FAQs which will help bring the existing website offering up-to-date. Our Natural Hazards Analyst is working with Council communications advisors to make the website more accessible generally so people can find information relevant to their home or community where they live. A summary of the types of information, modelling or advice that is available upon request will also be created.

8.2	Quarry Operations Monthly Report
Author	Chris Heath, Quarry Manager
Authorizer	Reg Kemper, Group Manager – Council Business Unit; Darryl Lew, Chief Executive
Public Excluded	No

Report Purpose

To provide the Committee with an overview of the quarry operations and management in the last month.

Report Summary

During the month of June, the WCRC Quarry Manager undertook site visits to Okuru Camelback, Inchbonnie, and Kiwi quarries. Work has progressed at Okuru with site visits completed this week. The tender process is underway. The Escrow account was investigated by the Quarry Manager and the outcome of this investigation is provided in the attached presentation. The investigation has identified the Waste Minimization Fund as a potential funding source and the Council is exploring the potential of this fund.

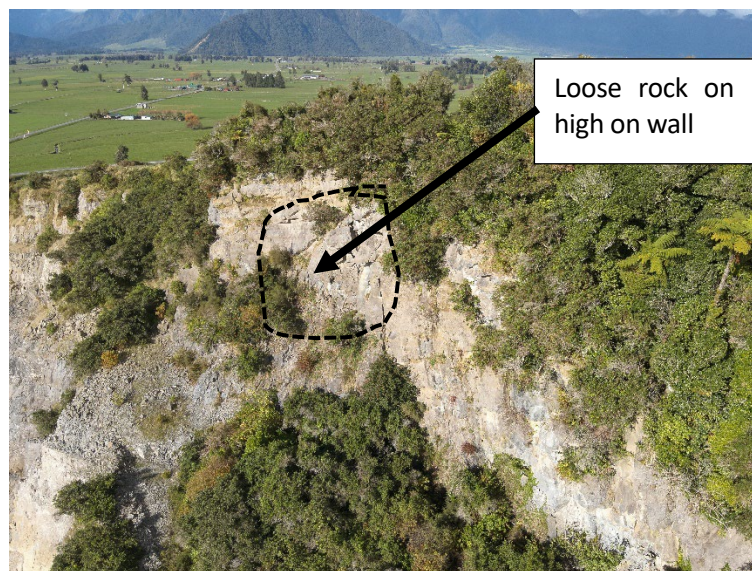
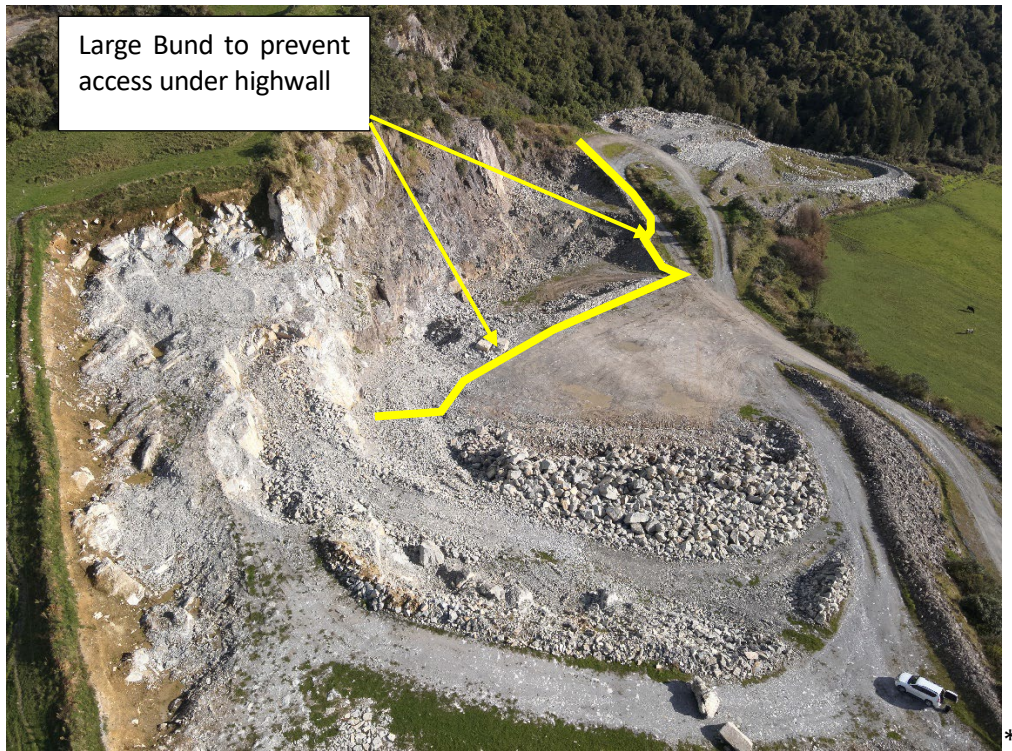
Recommendations

It is recommended that the Committee resolves to -

1. *Receive the report.*

Camelback Quarry

An assessment has been made of the Camelback Highwall. The wall is 60m high with a lot of loose rock hanging on the wall. Rosco Contracting is to build a large bund below the wall to prevent any access underneath the wall.



Rock Status:

Rock on ground: 6,487T

Rubble on ground: 10,000T

Upcoming rock requirements:

400T Armour Rock
400T Rubble

Inchbonnie Quarry

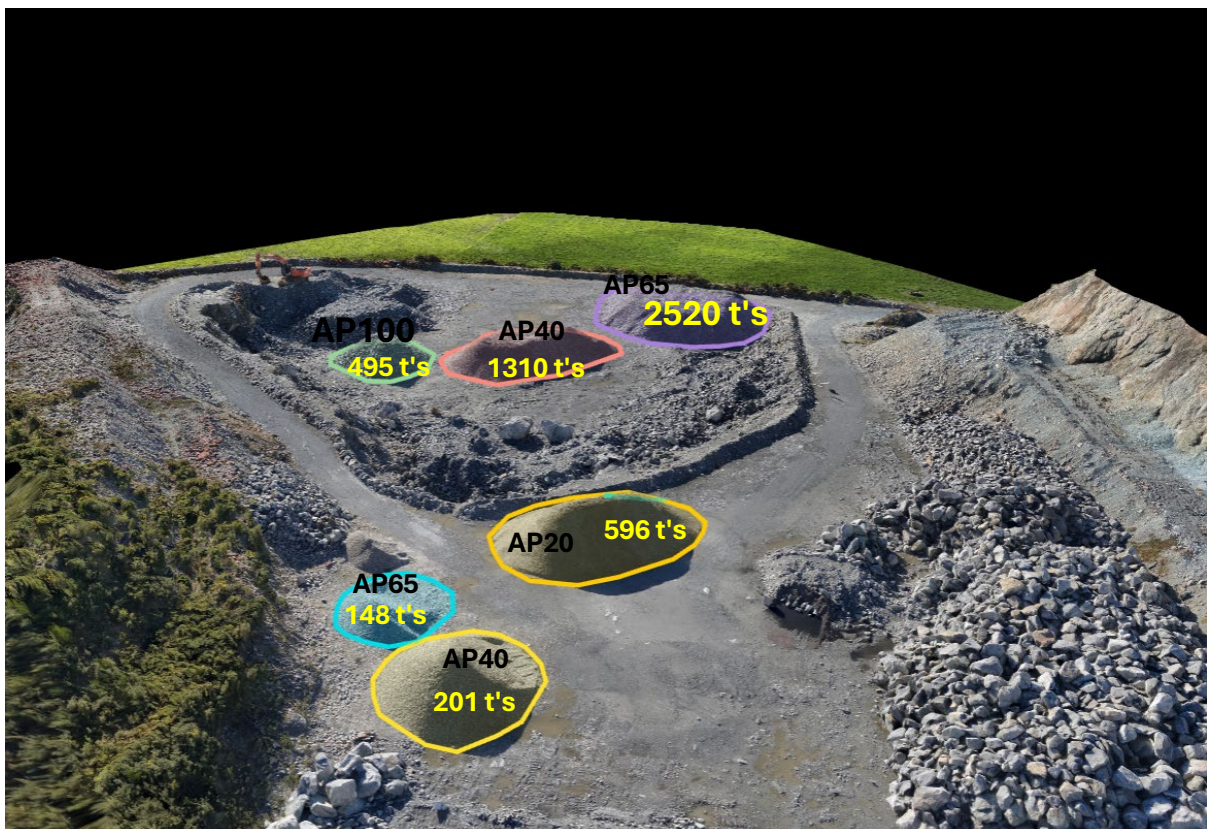
Rosco Contracting currently has stockpiles of aggregate they crushed from the rubble. (see below)

Rock status:

Rock on ground-16,000T Armour Rock
Rubble on ground- 5,000T of rubble

Upcoming rock requirements:

0T Armour Rock
0T rubble



Kiwi Quarry

Quarry Manager to meet KiwiRail geotechnical team to discuss the plan and re-establish the road. We are unable to get a quote until KiwiRail confirms next steps with the rail corridor.

Blackball Quarry

Still awaiting final DOC signoff for Blackball. They have been provided with all the necessary information.

Okuru Quarry

The procurement and tender process is underway and should be available this week. There is a plan ready for the contractor to start work when the tender is agreed and accepted.

Rock status:

Rock on ground- 0T

Rubble on ground- 0T

Upcoming rock requirements:

6000T of Armour rock for the Jacksons Bay Road.


Punakaiki-

Investigations are underway to identify potential rock source at Punakaiki. Further work is required to confirm the nature and scale of available material. Further updated would be provided in the next report.

Attachments

- Attachment 1 - Kiwi Quarry Investigation for Government Funding

KIWI QUARRY

An aerial photograph of the Kiwi Quarry area. The image shows a large, winding river with a brownish hue, likely due to sediment. A road runs along the riverbank, and a quarry site is visible in the foreground, characterized by a large, dark, excavated area. The surrounding landscape is a mix of dense green forest and open fields. In the background, a bridge spans the river, and a small settlement is visible. The overall scene is a blend of natural and developed environments.

Investigation for Government Funding

HISTORIC TYNESIDE WORKINGS



Government Funding to Rehabilitate Kiwi Quarry

Upon investigation it appears any govt funding for underground workings mitigation has only been for acid mine drainage for any historic **Solid Energy New Zealand** mines(Mostly Stockton)

Funds were set aside by the Crown for the rehabilitation of Solid Energy mines in 2016.

The funds were put into an Escrow account. Treasury asked for tenders to manage this account in 2017. **Computershare Investor Services (NZ) Limited** won the tender and have been administering the account since.

There is very strict criteria to access this fund.

The Tyneside underground coalmine was privately owned, although a mineral permit was issued by the crown in the 1870's

The fund will not cover any risk associated with abandoned historic underground mines not previously owned by the crown.

Dave Hendle -Senior Analyst - Kaitātari Matua | Commercial and Institutional Performance – Infrastructure

The Treasury - Te Tai Ōhanga

- The Treasury is only involved with obligations relating to ex-Solid Energy sites.
- The Crown funds Acid Mine Drainage (AMD) management at the Stockton site but it is not an escrow arrangement. The Crown pays the existing miner to manage the AMD issue.
- The Crown has deposited funds in site-specific escrow accounts related to several ex-Solid Energy mines*. Those funds are available to the new mine-owners to conduct rehabilitation activity at those specific sites.
- There is an escrow arrangement for Stockton rehab but, again, this is separate from the Stockton AMD funding.
- I'm not aware of any escrow account for 'Kiwi Quarry'.

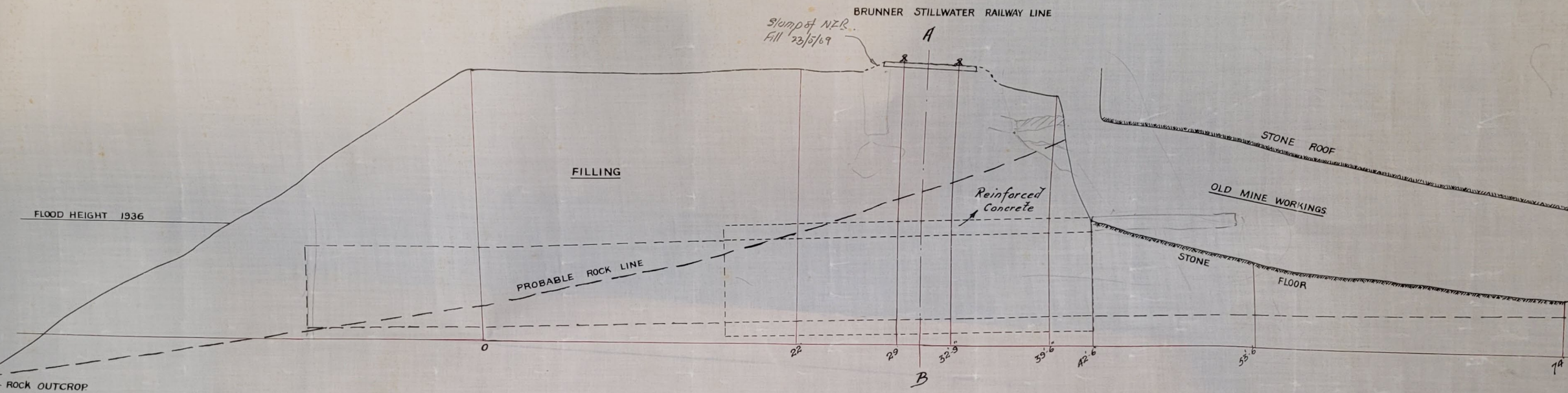
There has been another email advising contact with the Ministry for the Environment. MFE have a [Waste Minimisation Fund](#). I will chase this up

Tyneside mine workings

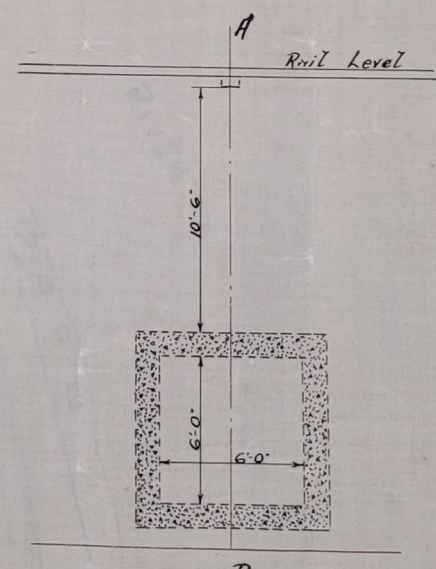
- While the Tyneside underground mine workings do extend underneath Kiwi Quarry, they do not pose a risk to the quarry, Rail corridor or the main road. There is potentially 40 Meters of solid rock under the quarry floor and 20 Meters under the access road. There is likely to be only one ADT and a digger working in the quarry to restore the road and bund.
- There was slumping of the railway line in 1969 from a drive 10'6" under the track. This slumping was filled in and repaired at the time.

Old mine plans

- John Taylor has completed some excellent work with the old Tyneside workings plans and has referenced them to the Lidar plans the WCRC has. John has also GPS'd the U/G drive entrance we found under the main road and the Brunner Shaft around the corner to get some good accuracy to the plans.
- Plans with elevations to show depth of rock between the quarry and the Historic underground workings



Proposed Access to Tyneside Mine
Scale 1/4" = 1 Foot



Slumping of railway line in 1969

8.3 Nature-based Solutions Projects

Author	Paulette Birchfield, Area Engineer and Shanti Morgan Group Manager Environmental Science
Authorizer	Darryl Lew, Chief Executive
Public Excluded	No

Report Purpose

To update the Council on West Coast Regional Council's Nature Based Solutions Projects

Report Summary

This report outlines the background to and progress on West Coast Regional Council's Ministry for the Environment (MfE) funded Nature Based Solutions projects at Cobden and Westport. The Nature Based Solutions proposals are intended to complement existing and proposed new hard-engineered flood protection and stormwater management solutions.

Funding from MfE is for conceptual design and feasibility studies only. Should the proposals be deemed technically feasible then funding for implementation will need to be sought.

The West Coast Regional Council's Chief Engineer will review the concept designs and modelling outputs to confirm or otherwise the technical feasibility of the proposals.

Recommendations

It is recommended that the Committee resolve to:

1. Receive the report.

Issues and Discussion

Background

In April 2023 the Ministry for the Environment reallocated \$5m of Jobs for Nature funding to support local government to invest in flood resilience planning. The intent was that resilience planning would help inform projects which intend to mitigate impacts against future severe weather events using a nature-based solutions lens.

The request was sent to the Te Uru Kahika River Managers Special Interest Group members to apply for. This was not a publicly contestable funding opportunity given the technical scope of work and the limited funding available.

The scope of the proposed projects would be nature-based solutions that are defined as 'actions to protect, conserve, restore, sustainably use and manage natural or modified terrestrial, freshwater, coastal and marine ecosystems, which address social, economic and environmental challenges effectively and adaptively, while simultaneously providing human well-being, ecosystem services and resilience and biodiversity benefits.'

The Ministry intended the funding to be distributed nationally and provisionally allocated \$300,000 per Council, but up to \$500,000 if not all Councils applied. The proposals were to be submitted by 16 June 2023, and to be completed before June 2025.

The West Coast Regional Council put forward two proposals; the Cobden Flood Attenuation and Wetland Project (\$198,000), and the Multi-benefit Approaches to Building Westport's Flood Resilience Project (\$200,000 with BDC co-funding). Both projects were approved by the Ministry.

The intent is that findings would be able to support Council's resilience planning in the future as well as help leverage future funding opportunities for physical works.

The Ministry were also aware that whilst natural ecosystems can play a role in mitigating flood risk, just like traditional infrastructure they can exacerbate risk when they become degraded or are badly designed.

Concurrent with the individual projects the Ministry of Business, Innovation and Employment (MBIE) commissioned a review of current literature with the aim to avoid duplication of effort between local government authorities in evaluating the benefits to assist in the cost efficiency of the projects. NIWA were engaged by MBIE to provide the literature review of both national and international literature on the use of nature-based solutions in flood mitigation and associated guidance for how such measures may be implemented in New Zealand. The objectives for the report are:

1. Present an overview of the state of knowledge and concepts of nature-based solutions for flood management within a New Zealand context.
2. Provide literature-based guidance on the time needed for different nature-based solutions to become fully-functioning and methods to assess the minimum size for them to function effectively.

3. Provide literature-based evaluation of the strengths, weaknesses, opportunities, and threats associated with different nature-based solutions approaches.
4. Identify environmental, social, cultural, and economic co-benefits associated with nature-based solutions and examples of where traditional knowledge has been used in the past.

Two workshops have been held with all regional project managers and stakeholders, with a draft report circulating for comment in May 2024.

Current situation

The West Coast Regional Council Catchment Management team have been working to deliver the two funded projects from MFE's Nature Based solutions grant over the past twelve months, these being the Cobden Flood Attenuation and Wetland Project and the Westport Flood Resilience Project.

Cobden Flood Attenuation and Wetland Project

Background:

Presently, when heavy rain occurs in Cobden's Range Creek catchment whilst the Grey River is high, water backs up into the Aromahana Lagoon, causing floodwaters to inundate nearby properties (on a 1-year ARI). Additionally, in larger (2 - 3 year ARI) rain events, stormwater exceeds the capacity of the upgradient Range Creek channels and flows overland towards the lagoon, flooding upstream properties.

This project seeks to return the Cobden Domain to its previous state as a tidal lagoon with native habitat and create upstream attenuation areas to reduce the impact of flooding on infrastructure and properties. Specifically, three potential detention or wetland areas are proposed. This would form part of the ecological restoration of the wider Aromahana Lagoon and Range Creek catchment.

Specific project outcomes and benefits include:

- The feasibility to store and detain floodwaters in a distributed manner within the Range Creek catchment and prevent flooding, through;
 - Hydraulic modelling of the catchment under various rainfall, tidal, river flow and climate change scenarios to assess flood mitigation,
 - Conceptual design of wetland and detention basin depths, bund heights and extents,

- Evaluating upstream and downstream hydraulic effects and required infrastructure upgrades
- Opportunities to restore the urbanised Range Creek channels to improve flood capacity, improve riparian corridors and support biodiversity. Including concept design of:
 - Stream naturalisation, planting and ecological enhancement
 - Hydraulic capacity improvements
 - Mitigating in-stream scour and sedimentation
- Opportunities to improve stormwater discharge quality, through;
 - Consultation and co-design with Ngati Waewae
 - Integration of stormwater treatment and wetlands
- Opportunities to incorporate cultural narratives and passive recreation within a Landscape Masterplan for the area.
- Improve community resilience, by;
 - Investigating options for passage of upgradient floodwater and secondary flows to prevent flooding
 - Considering emergency access and pumping options
 - Engage with, and draw upon the existing volunteer base and environmental advocacy in the catchment

A flood mitigation study was undertaken in 2013 identifying 10 options for flood mitigation at Cobden. Building on this work, in 2017 NIWA hydrological modelling supported the concept of a wetland and bund to mitigate surface flooding. A temporary bund was constructed adjacent to the Cobden Domain to test its effect on mitigating surface flooding. The result was some protection from storm-surge coastal inundation, however localised stormwater flooding has continued to occur.



Figure 1: Cobden site locality, catchment features and proposed basins

This proposal seeks to build on the previous recommendations and is being undertaken in three phases:

Phase 1: Project Establishment (complete)

Establishment of the Project Working Group (PWG), this includes representatives from Ngati Waewae, Grey District Council and Cobden Aromahana Sanctuary and Recreation Areas (CASRA). The PWG oversee the project scope, intent and consideration of stakeholders.

An initial round of iwi and community consultation meetings have been undertaken to gain feedback on perceived issues and opportunities to inform the data collection phase.

Phase 2: Site Suitability and Data Collection (Current)

The project is currently sitting in phase two which involves data gathering from a variety of sources to establish constraints on the proposed project locations and provide data for hydraulic modelling and feasibility design, including;

- Geotechnical investigation to categorise existing soils and identify potential hazards at the proposed locations. Groundwater level monitoring to inform potential storage depths. This has been completed for two thirds of the project area.
- Land contamination preliminary (PSI) and detailed (DSI) site investigations to identify if any contaminants of concern are present in soils, and suitability of material for re-use.
- Topographical and drone survey (building on existing data), and stream channel cross sections to inform modelling.
- Preliminary earthworks modelling, including the creation of proposed 3-D surfaces for each detention area to support hydraulic modelling.
- High level review of resource management and consenting considerations to identify constraints which could affect the proposal.
- Terrestrial and freshwater ecological assessments to characterise the existing state and aspirations for the catchment.

The geotech, contaminated land, planning, ecology, and preliminary earthworks have been completed with reports to be compiled and reviewed in June 2024. A summary of this phase will be reported back to the Project Working Group and council Infrastructure Governance Committee in August 2024. Following this a second round of iwi and community engagement will be undertaken to share learnings and gain input on aspirations and direction.

Phase 3: Hydraulic Modelling and Feasibility Design (2024/2025)

This phase is forecast for Quarter one of the 2024/2025 FY. This phase includes the development of a hydraulic model including 1-dimensional and 2-dimensional elements which will be built to assess the flood inundation and storage capacity of the proposed detention basins and wetlands. This will assess various rainfall durations and recurrence intervals and varying tidal, river flows conditions and climate change scenarios.

In conjunction, stormwater concept designs will integrate water quality treatment, stream naturalisation and channel conveyance improvements to mitigate capacity constraints and provide ecological enhancement. Earthworks 3-D modelling will be further refined to consider bund heights, storage volumes, secondary flow paths and emergency provisions.

A landscape masterplan will be prepared incorporating recreational, cultural narrative, plant selection, and material palette considerations, based on direction from Iwi, Councils, and community groups throughout the project. The project

outcomes will be delivered to Councils Infrastructure Governance Committee and the Greymouth Joint Committee Rating district on completion.

Project two: Multi-benefit Approaches to Building Westport's Flood Resilience Project

This project seeks to address an integrated, whole of catchment approach to Westport's flood resilience. Priority will be given to approaches where there is opportunity for grey and green flood management infrastructure to work synergistically to achieve the best outcomes for the community. Shared values are to be identified through collaboration with mana whenua and inclusive engagement with stakeholders, landowners, and the local community. There is a potential opportunity to not only significantly reduce flood risks by taking an integrated approach, but also accelerate habitat restoration in areas of high ecological and cultural significance, preserve productive farmland, and create usable natural spaces.

The approach includes two technical stages and four project phases. Stage 1 involves a high-level catchment-wide scoping study to identify candidate solutions with the most potential. Stage 2 includes a detailed iterative hydraulic modelling under various rainfall, sea-level rise and tidal, river flow, groundwater, and climate change scenarios.

Initial scoping:

- Detention and storage of floodwaters in a distributed manner within the upper catchment and the lower flood plain,
- Strategic revegetation between the Buller and Orowaiti Rivers to slow flood flows and reduce opportunity for river avulsions during flood,
- Making more room for the rivers through setting proposed flood protection structures back from river margins,
- Reducing flood velocities, strengthening riverbanks, and protecting proposed flood infrastructure through chevron planting of native alluvial forest species,
- Protection of Carters Beach through upstream planting of taller swamp/alluvial forest and expansion of the Martins Creek wetland and estuary complex to reduce flow velocity,
- Construction of a biologically pumped tree swamp and wetland detention areas within urban Westport for stormwater management, and with potential landfill leachate attenuation co-benefits,

- Improved land cover management on the Orowaiti sandspit to unbind trapped sediments, enable naturalised system dynamics and increase river flow discharge rates.

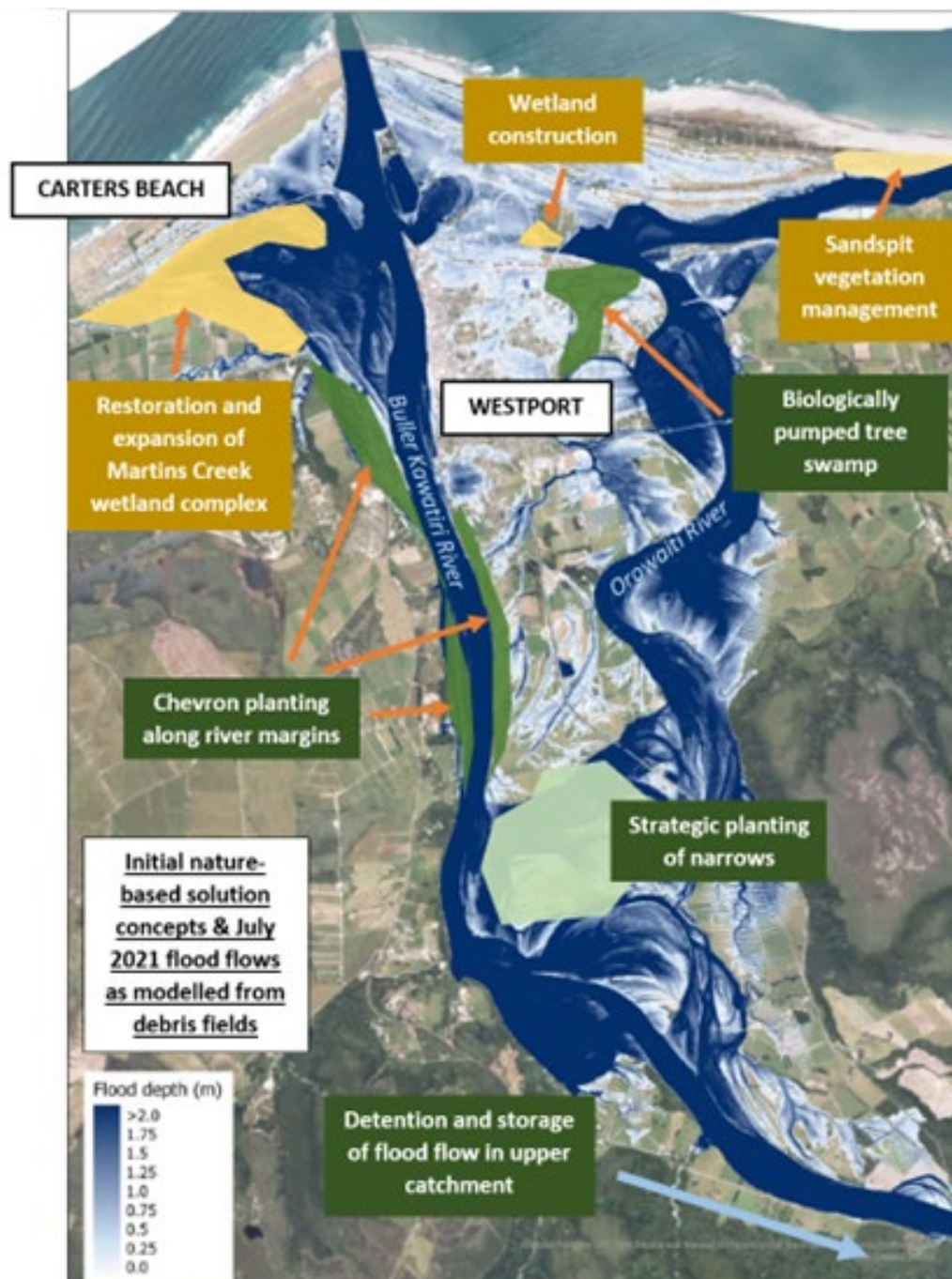


Figure 2: Initial high-level scoping outcomes in the lower Buller Catchment.

Phase 1: Project Establishment (Complete)

A Project Working Group (PWG) has been established comprising, Buller District Council staff, ecology and hydrology specialists, and West Coast Regional Council staff.

Phase 2: Iwi and Community Engagement (current)

Ngāti Waewae has been kept informed of the project and have been invited to participate from the initiation of the project.

The intention is to involve the Westport community from Phase 2 onwards. However, this is contingent on integrating with Resilient Westport's timeframes and communication strategy. The PWG have been working to oversee the strategic project intent and delivery against high level project milestones.

Phase 3: High-level Options Scoping (current)

An optioneering workshop and field trip was held on the 14th-15th March 2024. Attendees included representatives from the Buller District Council, West Coast Regional Council, Land River Sea Consulting Ltd, Ahika Consulting (biodiversity and ecology), and local project managers. The purpose of the workshop was to become familiar with the wider Westport flood plain, Carters Beach, and Snodgrass Road environments; to undertake a high-level assessment and optioneering for nature-based solutions, and to align project understanding and potential benefits for stakeholders.

Collaboration with the wider community and stakeholders, such as the Department of Conservation and Fish and Game, will be undertaken in Quarter one of the 2024/2025 FY.

BDC commenced climate adaptation investigation and planning for its communities in early 2022. The climate project has developed a geospatial risk analysis tool, Risk Explorer (RE), to identify and prioritise district-wide climate-driven hazards and how these may impact communities under different scenarios over the coming 150 years. The RE tool is due for testing with the project's TAG shortly. Once ready, it will provide a powerful granular understanding of Westport's scenario-driven flood risk that will help inform the iterative modelling approach.

Existing extensive knowledge held by the PWG, stakeholders, landowners, and the wider community will guide the use of the RE geospatial tool. RE will be used to, spatially and temporally, test various climate scenarios and identify areas that hold promise for nature-based solutions across the entire catchment.

An initial concept report is expected to be received from contractors in July 2024 and a summary of findings will be reported back to councils Infrastructure Governance Committee and the PWG once completed.

Phase 4: Detailed Options Significance and Feasibility (2024/2025)

Iterative hydraulic modelling and nature-based solution optioneering is forecast for quarter three of the 2024/2025 FY and will be used to assess the results from the high-level scoping phase. This phase will test several iterations under different scenarios as solutions are amended and refined to achieve the most benefit.

Lead strategies can then be identified for detailed engineering design and modelling to test significance and feasibility. This information will then be fed back to the IGC, the Westport Joint Committee Rating District and the PWG.

Costs and Benefits

This project is externally funded, costs to council relate to in-kind council staff support and associated overheads.

Benefits of Conducting the NBS Feasibility Studies

1. Informed Decision-Making
 - a. The projects intend to provide data-Driven Insights: The feasibility studies will provide comprehensive data on the potential effectiveness, costs, and benefits of different nature-based solutions (NBS), allowing for more informed decision-making.
 - b. Risk Assessment: The feasibility studies intend to identify potential risks and challenges, helping to mitigate them before implementation.
2. Cost-Effectiveness
 - a. The studies intend to avoid unnecessary expenses by evaluating the various options, the council can avoid investing in solutions that may not be effective or viable.
3. Stakeholder Engagement
 - a. The projects intend to build consensus through engaging stakeholders early in the process, helping to build support and address concerns before full-scale implementation.
 - b. Community Input is prioritised through incorporating local knowledge and preferences, this increases the likelihood of community acceptance and cooperation.
4. Strategic Planning
 - a. The projects will help council to prioritise which projects are implemented based on their feasibility, benefits, and costs.
 - b. A Long-Term Vision may be enabled, providing a roadmap for phased implementation, aligning with broader regional planning and sustainability goals.

5. Funding and Policy Support
 - a. The feasibility studies may be used to secure funding from government grants, private investors, and international agencies for implementation.
6. Technical Validation
 - a. The studies will provide a scientific and technical foundation for the proposed NBS, enhancing credibility and legitimacy.
 - b. The studies will identify innovative approaches and technologies that can be applied to future flood resilience in Cobden and Westport.

Considerations

Implications/Risks

The Nature Based Solutions Modelling projects aim to provide human well-being, ecosystem services, resilience, and biodiversity benefits whilst addressing flood resilience in the Westport and Cobden communities. The implications and risks associated with the NBS projects are listed below:

Implications

Environmental Implications

- **Enhanced Biodiversity:** NBS can promote biodiversity by restoring and maintaining natural habitats.
- **Ecosystem Services:** Improved ecosystem services such as water filtration, carbon sequestration, and soil stabilization may be provided for within these projects.
- **Climate Change Adaptation:** NBS can help buffer the impacts of climate change, such as increased rainfall and rising sea levels, by using natural barriers and improved land management practices.

Social Implications

- **Community Engagement:** Involving local communities in the planning and implementation stages intends to increase the awareness and support for environmental initiatives.
- **Improved Well-being:** Access to green spaces and healthier ecosystems can improve mental and physical health.
- **Cultural Value:** Preserving natural landscapes can maintain and enhance cultural heritage and identity.

Economic Implications

- **Cost Savings:** NBS can potentially reduce long-term costs associated with flood damage and maintenance of traditional infrastructure.
- **Tourism and Recreation:** Enhanced natural areas can boost local tourism and recreation opportunities, providing economic benefits to the region.
- **Job Creation:** Implementation and maintenance of NBS can create jobs in conservation, land management, and eco-tourism sectors.

Potential Risks

Scope Risks

- **Overlap with other Projects:** There is a risk that Nature Based Solutions don't complement existing or proposed new hard-engineered flood protection and stormwater management infrastructure. This risk will be managed by robust assessment of the technical feasibility of the proposed solutions, including peer review by West Coast Regional Council's Chief Engineer. Funding will only be sought for implementation if technical feasibility is established.

Resourcing Risks

- **Funding:** Securing adequate funding for implementing the NBS plan once the feasibility study is complete may be challenging. Initial costs might be high, even if long-term savings are anticipated. Community expectations on the project are to be managed to ensure it is well communicated that the project is feasibility related and operational costs are not currently funded.
- **Expertise and Capacity:** The council may need to invest in building internal capacity or hire external experts to design and implement effective NBS. The council is currently addressing this through contracting ecologists and flood modellers; however, both these roles have been included in Council's Long-Term Plan which will allow the council to deliver NBS projects in house without the need for external consultants.

Cost Risks

- **Initial Investment:** The upfront cost of conducting the feasibility study and implementing NBS can be substantial. The MFE grant includes funding for related research and planning but does not account for construction or restoration efforts.
- **Economic Uncertainty:** The anticipated economic benefits, such as increased tourism or reduced flood damage costs, may not materialize as expected, affecting the cost-benefit ratio.

Significance and Engagement Policy Assessment

There are no issues within this report which trigger matters in this policy.

Financial implications

Current budget

\$398,000.00

Future implications

This project is externally funded by MFE, the WCRC supports the project through in-kind contributions including staff time and related overhead costs.

Results of the project may be used to inform future operations for flood resilience and therefore impact the Council's Long-term Plan. This may have future financial implications which are unknown at this stage.

9.1 Franz Josef IGC Project Status Report June 2024

Author	Scott Hoare, Infrastructure Reference Group Programme Manager
Authorizer	Tom Hopkins, Group Manager – Catchment Management; Darryl Lew, Chief Executive
Public Excluded	No

Report Purpose

The purpose of this report is to receive the Franz Josef IGC Project Status report for June 2024.

Report Summary

The report presents:

- An update on the progress of the project including the completion of the Link Bank and Havill Wall, to final design of the Church Bank.
- High level roadmap of the project outlining completion of construction by mid quarter 1 of Financial Year 2024/25.
- Summary of current tasks and decisions being worked on by the project team.

Draft Recommendations

It is recommended that the Committee resolve to:

1. *Receive the report.*

Issues and Discussion

There are no issues that require discussion as a result of this report.

Considerations**Implications/Risks**

There is a risk to the project budget based on approved and forecast variations.
There is a risk of delays due to weather events.

Significance and Engagement Policy Assessment

There are no issues within this report which trigger matters in this policy.

Tangata whenua views

Tangata whenua have not been consulted on these matters.
Staff are not aware of any issues within this report which would impact tangata whenua.

Views of affected parties

Consultation with Glacier Country Heliport has been completed in relation to the impact on the helipads and fuel bowsers, works are underway.

Financial implications**Current budget**

\$ 12,291,463

Current expenditure

\$ 7,593,621

Future implications

Works have been funded from the IRG Project budgets. A variation for an extension of time has been applied for through Kanoa.

Legal implications

There are no issues within this report which trigger matters in this policy.

Attachments

Attachment 1: June 2024 WCRC IGC Project Status Report – Franz Josef

WCRC IGC PROJECT STATUS REPORT

FRANZ JOSEF STAGE 1

WEST COAST REGIONAL COUNCIL
ISSUE 19 - 26 JUNE 2024



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QUALITY ASSURANCE

PREPARED BY	Nic Bell	Project Manager	26 June 2024	
REVIEWED BY	Chris Hoskins	Senior Project Manager	26 June 2024	
APPROVED BY	Scott Hoare	Programme Manager	26 June 2024	

1. PROJECT STRUCTURE

Reporting Month Ending	26/06/2024
Project Sponsor	Darryl Lew, CEO
Senior Responsible Owner	Tom Hopkins, Group Manager - Catchment Management
Benefit Owner(s)	Franz Josef Rating District
IRG Programme Manager	Scott Hoare
Council Project Manager	Kent Jacobsen, Area Engineer
IRG Project Manager	Chris Hoskins / Nic Bell

2. INFRASTRUCTURE GOVERNANCE COMMITTEE MEETINGS

Last Infrastructure Governance Committee Meeting	4/06/2024	Next Infrastructure Governance Committee Meeting	9/07/2024
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3. R.A.G (RED, AMBER, GREEN) STATUS

Category	Current Month	Commentary
Overall		Project is overall ok but risks with budget and schedule keep it at amber.
Trend	↓	Project is slightly down overall following changes to completion date, budget review and uncertainty around the South NZTA Bank
Budget		Forecast is tracking over budget, mitigation strategy agreed to reduce scope and manage budget.
Scope		Scope is generally well defined for upgrade of the North Stopbanks.
Resource		Changed to Amber: Contractor yet to remobilize to site, additional resources will be required on multiple work fronts.
Schedule		Recent delays have pushed the completion of the North Bank into September 2024.
Risks/ Issues		The main risks to the project are the budget.

4. GOVERNANCE DOCUMENTS AND RECOMMENDATIONS TO SRO / COUNCIL / KANOA

docCM #	Document	Submission Date	Approval Date	Comments
	Variation 01 - Emergency Works	15/09/2022	31/10/2022	Inclusion of funding for Southside emergency works within phase 1 and the first draw down, approved by WCRC and Kanoa.
	Variation 02 - Combined Projects	14/02/2023	28/02/2023	Slight changes to funding moving from one project to another to balance actual costs, approved by WCRC and Kanoa.
	LiDAR Survey Memo	29/05/2023	12/06/2023	Variation to undertake LiDAR Survey, approved by WCRC.
	TTC Fee Variation	20/09/2023	26/09/2023	Variation to scope of works for designer, approved by WCRC.
	Variation 03 - Change in funding timeline	5/10/2023	25/10/2023	Change in funding timeline to match actual progress on site, approved by WCRC and Kanoa.

5. STATE OF PLAY

Last Month	Next Month
<p>The contractor has not remobilized back to site, before re-establishing they wanted full information around timing of Heliport works, Havill Wall Toe Rock, and Church Bank design, these have all been confirmed and instructed.</p> <p>Heliport - Church Bank:</p> <ul style="list-style-type: none"> Mobilised Heliport Contractor to complete works within Heliport to allow for raising of stopbank, internal road created and all pads relocated to final positions. <p>Planning:</p> <ul style="list-style-type: none"> Additional questions received from WDC and responded to regarding vegetation clearance for the remaining North Bank works. Consent to be formally issued. 	<p>The contractor is to mobilise the dozer to site on Monday 01 July 2024, and additional resources to follow.</p> <p>Havill Wall:</p> <ul style="list-style-type: none"> Reinstatement of diversion bund, Supply and placement of toe rock to chainage 50 to 320 and 320 - 700 following final agreement and contract instruction. <p>Heliport - Church Bank:</p> <ul style="list-style-type: none"> Completion of works within Heliport, Commencement of vegetation clearance and bulkfill placement, Construct pad for placement of Electronet Pole, Mobilise Electronet and Chorus to begin works on poles and overhead systems.

Total Project
<ul style="list-style-type: none"> Placement and compaction of bulk fill of approximately 147,000 m³, Supply and placement of approximately 78,000 T of rock.

Current Tasks and Decisions
<ul style="list-style-type: none"> Heliport stopbank: Heliport contractor has commenced works, bulk of works to be completed within July. Some fencing is to be completed post the completion of the stopbank raising, Overhead services: Mobilisation with Chorus and Electronet, Electronet require the contractor to place some of the bulkfill behind the North Bank before the pole can be moved, Diversion works: Additional diversion works will be required to complete the Havill Wall toe rock and retrieval of bulk fill material for Heliport and Church Banks, this has been instructed to occur with the contractor utilizing a dozer to make it more efficient than using excavators and trucks, South NZTA Bank: Updated modelling is being undertaken to determine if this is to be included as a part of stage 1.

6. FINANCIAL SUMMARY

Financial Summary	
Current Budget	\$ 12,291,463
Current Expenditure	\$ 7,593,621
Remaining Funds	\$ 4,697,842

7. HIGH LEVEL ROADMAP

Project Name	FY 2022/23				FY 2023/24				FY 2024/25	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Month Starting	July	October	January	April	July	October	January	April	July	October
North Bank										
- Link Bank										
- Helipoint - Church Bank										
- Havill Wall										

8. MILESTONES

Milestone	Baseline Date	Tracking	Actual Date	Comment
Scope of Works - Preliminary Design	01-Jul-21		01-Jul-21	Complete
Peer Review - Scope of Works				Complete
Draft Engineering Drawings / Design Documentation	01-Mar-22		01-Mar-22	Complete
Consent Documentation/Application	02-May-22		25-Sep-23	Complete
Tender Preparation & Award	02-May-22		02-May-22	Complete
Emergency work instruction			19-May-23	Notification of Section 330 Emergency works from Council.
Construction:				
- North Bank	30-Apr-23	20-Sep-24		
- South Side Stage 1 (NZTA Banks)		(On Hold)		10 Year Flood Management Plan
- Waiho Loop (Tatare Stopbank)	31-Aug-23	Not Proceeding		

9. CONSENTS

The process for the North Bank has been completed with the acceptance of Land Use Resource Consent.

An additional North Bank consent granted, to obtain gravel from the area between the new Link Bank and the old NZTA Bank to provide bulk fill for the Helipoint bank uplift. During construction the contractor will complete post flood inspections but, condition 19 of the land use consent requires inspection post rain event be completed by the consent holder following the completion of works.

Westland District Council have raised additional questions about the vegetation clearing for the construction of the remaining North Bank, these have been responded to. The Consent is to be formally issued.

10. PROJECT RISKS

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
FJ-RIS-08		Weather	Flooding from weather events causing damage.	Delay to programme Health and Safety Equipment damage Environmental	Contractor	Actions in Place	High	No Change	Review plans and on-site implementation Forward look ahead.	Contractor management plans including monitoring progress of the works and programme updates and post event inspection as per condition 19.
FJ-RIS-05		Fuel Cost Adjustment	Contract provision allowing fuel cost adjustment. Current fuel costs are above the agreed rate at the time of contract signing.	Increased cost	Project Manger	Not Fully Resolved	Medium	No Change	Approve variations when requested.	Forecast additional cost and apply for variations.
FJ-RIS-06		Rock Supply	Risk that the rock supplied or installed under the contract does not meet specification or is in excess of the quantity included in the contract.	Work Quality	Engineer to Contract	Not Fully Resolved	Medium	No Change	Confirm monitoring plan.	Establish monitoring plan (containing rock inspection and rock weighing at quarry) for rock supply/placement including as built documentation.
FJ-RIS-01		Consent Processing	Single entity in opposition to	Delay to Programme	Project Manager	Complete	Medium	Closed	Provide support and input into	Hearing held with Independent

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
			works, delaying obtaining resource consent.						hearing when required.	Commissioner to resolve.
FJ-RIS-02		Existing Infrastructure	Upgrades may require relocation of power/fibre poles and have effect on adjacent roading network and stormwater system.	Potential for delay to Programme Costs for this work included in the Project Budget	Project Manager	Not Fully Resolved	Low	No Change	Confirm any additional cost for relocations when works confirmed.	Negotiations to be had with utility operators and investigations into stormwater run off at Heliport.
FJ-RIS-03		Insufficient Budget	Delays to programme and additional work required to obtain resource consent.	Increased cost	Project Manager	Unresolved	Low	No Change	Approve variations when requested.	Forecast expenditure and apply for variations.
FJ-RIS-04		Scope of works	Scope increases (Heliport pad relocation, Retaining Wall, Tatare avulsion protection etc.) causing additional cost.	Increased cost	Project Manager	Unresolved	Low	No Change	Approve variations when requested.	Forecast expenditure and apply for variations.
FJ-RIS-09		Engineer is non-responsive	Engineer fails to respond to questions and view hold points.	Delay to programme.	Project Manager	Not Fully Resolved	Low	No Change	Confirm monitoring plan, escalate if necessary.	Establish monitoring plan and two week look ahead for hold points.
FJ-RIS-10		Adherence to resource consent conditions	Strict conditions in place that the contractor fails to adhere to.	Environmental damage, Reputational damage. Non -	Project Manager/Engineer to the Contract	Not Fully Resolved	Low	No Change	Review plans and on-site implementation	Contractor management plans including monitoring

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
				compliance notices. Work held up on site					Confirm monitoring plan, escalate if necessary	progress of the works and programme updates.
FJ-RIS-07		Injunction of works progressing under S330	Risk that public opposition apply for an injunction to stop the works progressing under S330.		Project Manager	Complete	Low	Closed	Provide support and willingness to work with opposition and argue the injunction if required.	Continue progressing the resource consent application and affected party consultation.

11. PROJECT ISSUES

ID #	Date Raised	Issue Description	Priority	Action Required	Issue Owner
FJ-ISS-01	01-Jul-22	Obtaining resource consent has become difficult and drawn out.	Medium	Project Manager to continue assisting lawyers through the resource consent hearing process.	Closed.
FJ-ISS-02	16-May-22	Damage to Waiho Tātare connection with difficulty in confirming a remedial approach.	Medium	Project Manager to consult with designer to provide options for discussion. Technical Advisory Group (TAG) to consider possible options	Works on hold, refer to TAG report.
FJ-ISS-03	22-May-23	Additional design work is required to ensure that a clear roadway can remain by the church near the top of the North Bank.	Low	Contractor has provided a price to strengthen the embankment to enable to steeper and narrower section of rock armouring, the Engineer to Contract is to accept or negotiate this and provide an instruction.	Lead Designer / Engineer to Contract
FJ-ISS-04	15-Jul-23	Upgrading the Heliport stopbank will require the placement of bulkfill on Heliport property impacting access to helipads. Work has been requested to relocate helipads and infrastructure to reduce impact.	Medium	Project Manager to continue negotiations with RD Petroleum, Heliport, and Westland District Council to fully understand works required, in final stages of obtaining approval.	Project Manager

Issue FJ-ISS-04 has been closed with the heliport contractor commencing works on site.

12. DEPENDENCIES

Ref #	Description	Urgency	Owner	Critical Date	Progress / Actions
FJ-DEP-01	Scope of works within Heliport to be confirmed and agreed with GCH and WDC to allow for construction to commence on the Heliport section as noted in FJ-ISS-04.	Medium	Project Manager	06-May-24	Works have been deferred to the next low season (mid 2024). Project Manager to continue liaising with parties to reach agreement. Scope of works in final stages of reaching agreement. Critical date changed to reflect end of peak season.
FJ-DEP-02	Design of Church Bank to be completed and approved to allow for the commencement of works in the Heliport to Church section as noted in FJ-ISS-03.	Medium	Designer	01-Jun-24	Design has been completed and shared with contractor for constructability and pricing feedback. Critical date changed to June as contractor is planning to work from Heliport toward the Church.

FJ-DEP-02 has been closed, the design has been completed and priced by the contractor.

13. IWI / HAPŪ / WHĀNAU

Partnership / Relationship	Notes
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14. PARTNERSHIPS / RELATIONSHIP MANAGEMENT

Partnership / Relationship	Notes
Glacier Country Heliport	They require works on the heliport section to be completed in the offseason (April - September) to minimize disruption to Helicopters.
Westland District Council	The current owner of the Havill wall, reports have been completed and issued to WDC to understand stability of the wall with protection of the oxidation ponds being a key function.

15. HEALTH AND SAFETY

The contractor was demobilised from site so no audits or inspections were carried out.

9.2 Greymouth IGC Project Status Report June 2024

Author	Scott Hoare, Infrastructure Reference Group Programme Manager
Authorizer	Tom Hopkins, Group Manager - Catchment Management; Darryl Lew, Chief Executive
Public Excluded	No

Report Purpose

The purpose of this report is to receive the Greymouth IGC Project Status report for June 2024.

Report Summary

The report presents:

- An update on the progress of the project including the construction activities on stage 3.
- High level roadmap of the project outlining completion of construction by mid quarter 2 of Financial Year 2024/25.

Draft Recommendations

It is recommended that the Committee resolve to:

1. *Receive the report.*

Issues and Discussion

There are no issues that require discussion as a result of this report.

Considerations

Implications/Risks

There is a risk to the project budget based on scope of project. Stages 1 and 3 are progressing to construction while stages 2, 4 and 5 are being reviewed. Unforeseen ground conditions have been encountered during Construction. Addressing this has delayed construction and will have additional costs.

Significance and Engagement Policy Assessment

There are no issues within this report which trigger matters in this policy.

Tangata whenua views

Tangata whenua are being consulted on this project and an accidental discovery protocol is in place.

Staff are not aware of any issues within this report which would impact tangata

whenua.

Views of affected parties

Work is being carried out under pre-existing consents. Formal consultation was undertaken at the times consents were obtained. Informal consultation has been completed and public notices issued.

Financial implications

Current budget

\$ 2,605,822

Current expenditure

\$ 891,690

Future implications

Works have been funded from the IRG Project budgets.

Legal implications

There are no issues within this report which trigger matters in this policy.

Attachments

Attachment I: June 2024 WCRC IGC Project Status Report – Greymouth

WCRC IGC PROJECT STATUS REPORT

GREYMOUTH FLOOD WALLS (MAWHERA QUAY)



WEST COAST REGIONAL COUNCIL
ISSUE 18 - 26 JUNE 2024



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QUALITY ASSURANCE

PREPARED BY	Mike Murray	Senior Project Manager	26 June 2024	
REVIEWED / APPROVED BY	Scott Hoare	Programme Manager	26 June 2024	

1. PROJECT STRUCTURE

Reporting Month Ending	26/06/2024
Project Sponsor	Darryl Lew, CEO
Senior Responsible Owner	Tom Hopkins, Group Manager - Catchment Management
Benefit Owner(s)	Grey Rating District
IRG Programme Manager	Scott Hoare
Council Project Manager	Paulette Birchfield
IRG Project Manager	Mike Murray

2. INFRASTRUCTURE GOVERNANCE COMMITTEE MEETINGS

Last Infrastructure Governance Committee Meeting	4/06/2024	Next Infrastructure Governance Committee Meeting	9/07/2024
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3. R.A.G (RED, AMBER, GREEN) STATUS

Category	Current Month	Commentary
Overall		Construction for stage 3 has commenced, with stage 1 to follow. This work will be completed within the existing budget. Remaining stages will exceed budget, and scope is to be reviewed prior to committing to further construction works.
Trend	→	No change.
Budget		The initial budget was based on preliminary information. Received tenders have confirmed the project budget is insufficient to complete the full scope. A contract has been awarded to undertake stages 1 and 3, which can be completed within the current budget, while the scope for stages 2, 4 and 5 is reviewed.
Scope		Scope is well defined, Upgrade of existing stop banks to 1:150 year plus 600 mm freeboard. This level is to align with the existing concrete walls along Mawhera Quay.
Resource		No resource concerns at this stage.
Schedule		Delays associated with unforeseen ground conditions and undocumented water pipe
Risks/ Issues		Budget poses the current key risk.

4. GOVERNANCE DOCUMENTS AND RECOMMENDATIONS TO SRO / COUNCIL / KANOA

docCM #	Document	Submission Date	Approval Date	Comments
	Funding Agreement Variation (2)	16-Feb-23	09-Jun-23	Application for transfer of funds from Westport Early Warning Project and an Extension of Time with new Completion date of May 2024
	Mawhera Quay Tender Evaluation and Recommendation	11 Dec 23	21 Dec 23	Contract signed by both WCRC and MBD received 23 Dec 23

5. STATE OF PLAY

Last Month	Next Month
<ul style="list-style-type: none"> ▪ Stage 3 construction has progressed ▪ A patch of Coal Tar has been uncovered during excavation. An instruction for remediation was issued on 18 June 2024 ▪ Coordination with Westpower has progressed and draft details circulated for approval on 21 June 2024 ▪ The redundant water mains through ANZAC park were capped by GDC nominated contractor on Wednesday 29 May 2024. 	<p>Construction:</p> <ul style="list-style-type: none"> ▪ Complete Anzac Park section of Stage 3, ▪ Commence raising next section of stopbank on Stage 1. <p>Design:</p> <ul style="list-style-type: none"> ▪ Finalisation of Westpower details
Total Project	
<ul style="list-style-type: none"> ▪ Total quantities to be updated following receipt of contractors claim due July 2024. 	
Current Tasks and Decisions	
<ul style="list-style-type: none"> ▪ Agree with Westpower the required methodology for the power poles. 	



The photo to the left is from 20 June 2024, it was taken at Anzac Road looking up increasing chainage, showing the first section of bulkfill complete to finished level with final section awaiting removal of coal tar.

6. FINANCIAL SUMMARY

Financial Summary	
Current Budget	\$ 2,605,822
Current Expenditure	\$ 891,690
Remaining Funds	\$ 1,714,132

7. HIGH LEVEL ROADMAP

Project Name	FY 2022/23				FY 2023/24				FY 2024/25	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Month Starting	July	October	January	April	July	October	January	April	July	October
Design										
Consent										
Stage 1										
Stage 2										
Stage 3										
Stage 4										
Stage 5 (Cobden)										

The project is currently tracking behind programme due to delays with unforeseen ground conditions. Construction works have commenced onsite.

8. MILESTONES

Milestone	Baseline Date	Tracking	Actual Date	Comment
Scope of Works - Preliminary Design			03-Feb-23	Complete
Peer Review- Scope of Works			30-Mar-23	Complete
Feedback from GDC			16-May-23	Complete
GDC Engineering approval of revised drawings	9-Aug-23		24-Aug023	Conditional approval provided
Consent Documentation/Application	31-May-23		19-Oct-2023	Legal opinion and GDC acceptance received.
Tender Preparation, analysis, negotiation	31-May-23		11 Dec 2023	
Council review and award	02-Jun-23		21 Dec 2023	
Completion of Construction	31-May-24	4-Oct-24		Stages 1 & 3

9. CONSENTS

Updated modelling received from Land River Sea (modelling was undertaken for other projects but is being reviewed to further inform the IRG project).

Wynn Williams legal opinion received confirming existing Consent has been given effect.

Acceptance of Legal opinion received from GDC.

Meeting held with Iwi 15 Feb 2024, letter of support received 28 Feb 2024.

Plans sent to Heritage NZ 5 Feb 2024, Archaeological review carried out and confirmation no impact to Heritage Sites received 5 March 2024

Meeting held with Grey Heritage Trust 21 February 2024, positive feedback received. Arrange site walk with Contractor prior to starting work in this area.

10. PROJECT RISKS

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
G-RIS-03		Insufficient Budget	Tenders have confirmed insufficient budget	Increased cost	Project Manager	Not Fully Resolved	High	Confirmed - extent of issue now known	Source additional funding or reduce scope	Review scope and prepare funding variation application
G-RIS-02		Existing Infrastructure	Upgrades may require relocation of power poles.	Delay to Programme Increased cost	Project Manager	Not Fully Resolved	Medium	Increasing	Approval of additional cost for relocations if required.	Negotiation with Westpower ongoing
G-RIS-05		Weather	Flooding from weather events causing damage during construction	Delay to programme HS Equipment damage Environmental	Contractor	Ongoing	Medium	No Change	Review plans and on-site implementation	Contractor management plans.
G-RIS-06		Unforeseen Ground conditions	Unforeseen ground conditions and unmapped services	Delay to programme, additional costs	Project Manager	Ongoing	Medium		Engineers to address any issues as they arise	Engineers to address any issues as they arise
G-RIS-01		Consent Processing	Public opposition to works, delaying obtaining resource consent amendments or new Consents	Delay to Programme	Project Manager	Actions in Place	Low	Reducing	Provide support and input when required.	Legal opinion and GDC acceptance to progress under existing Consent
G-RIS-04		Scope of works	Scope increases	Increased cost	Project Manager	Unresolved	Low	No Change	Approve variations when requested.	Forecast expenditure and apply for variations.

11. PROJECT ISSUES

ID #	Date Raised	Issue Description	Priority	Action Required	Issue Owner
G-ISS-01	16 March 2023	Amendment to existing Consent will require additional Consents due to updated District Plans and TPP	High	Review design and GDC feedback to meet existing Consent requirements where possible.	Closed
G-ISS-02	4 April 2023	GDC Engineering Sign Off delayed due to lack of resource	High	GDC to be advised of pending documentation and date sign off required by 9 August 023	Closed
No current issues					

12. DEPENDENCIES

Ref #	Description	Urgency	Owner	Critical Date	Progress / Actions
G-DEP-01	GDC to sign off design before tendering	High	Project Manager	09-Aug-23	GDC provided Conditional acceptance 24 August 2023
G-DEP-02	Tender Evaluation	High	Project Manager	13-Nov-23	Recommendation provided to WCRC and Contract awarded 23 December 2023
No current dependencies					

13. IWI / HAPŪ / WHĀNAU

Partnership / Relationship	Notes
Philippa Lynch / Susan Aitken, Ngai Tahu	Final plans issued 5 Feb 2024, discussion held 15 Feb 2024. No CIA required as operating under existing consent. Letter of support received 28 Feb 2024

14. PARTNERSHIPS / RELATIONSHIP MANAGEMENT

Partnership / Relationship	Notes
Heritage NZ	Archaeological review carried out and confirmation no impact to Heritage Sites received 5 March 2024 and issued to HNZ (Note existing Consent does not require any sign off from HNZ).
GDC	CCTV survey sent to GDC 17 May 2024 A shallow undocumented water pipe was uncovered 8 May 2024. Coal tar uncovered beneath existing bank on 8 May 2024.
Grey Heritage Trust	Meeting held 21 February, 2024.

15. HEALTH AND SAFETY

Project Manager completed a site inspection on 20 June 2024, no issues were noted.

9.3 **Hokitika River Walls IGC Project Status Report June 2024**

Author	Scott Hoare, Infrastructure Reference Group Programme Manager
Authorizer	Tom Hopkins, Group Manager – Catchment Management; Darryl Lew, Chief Executive
Public Excluded	No

Report Purpose

The purpose of this report is to receive the Hokitika River Walls IGC Project Status Report for June 2024.

Report Summary

The report presents:

- An update on the progress of the project including the completion of stage 1A, design and consenting on stage 1B, and planning for stage 3.
- An update of progress on additional scope of stormwater CCTV capture.
- An update of progress on additional scope of seepage modelling.
- High level roadmap of the project outlining completion of stage 1b construction by mid quarter 1 of Financial Year 2024/25.

Draft Recommendations

It is recommended that the Committee resolve to:

1. *Receive the report.*

Issues and Discussion

There are no issues that require discussion as a result of this report.

Considerations

Implications/Risks

WCRC have now requested seepage modelling of stage 1B and CCTV of existing WDC stormwater pipework to be carried out for Stages 1B and 3.

Significance and Engagement Policy Assessment

There are no issues within this report which trigger matters in this policy.

Tangata whenua views

Tangata whenua have been consulted on these matters and have issued their approval.

Staff are not aware of any issues within this report which would impact tangata whenua.

Views of affected parties

Consultation with KiwiRail is now concluded and affected party approval obtained.

Financial implications**Current budget**

\$ 7,505,226

Current expenditure

\$ 2,413,262

Future implications

Works have been funded from the IRG Project budgets.

Legal implications

There are no issues within this report which trigger matters in this policy.

Attachment

Attachment 1: June 2024 WCRC IGC Project Status Report – Hokitika River Walls

WCRC IGC PROJECT STATUS REPORT

HOKITIKA RIVER FLOOD WALLS



WEST COAST REGIONAL COUNCIL
ISSUE 17 - 26 JUNE 2024



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QUALITY ASSURANCE

PREPARED BY	Mike Murray	Senior Project Manager	26 June 2024	
REVIEWED / APPROVED BY	Scott Hoare	Programme Manager	26 June 2024	

1. PROJECT STRUCTURE

Reporting Month Ending	26/06/2024
Project Sponsor	Darryl Lew, CEO
Senior Responsible Owner	Tom Hopkins, Group Manager - Catchment Management
Benefit Owner(s)	Hokitika Community Rating Zone
IRG Programme Manager	Scott Hoare
Council Project Manager	Jordan Mandery
IRG Project Manager	Mike Murray (River Walls)

2. INFRASTRUCTURE GOVERNANCE COMMITTEE MEETINGS

Last Infrastructure Governance Committee Meeting	4/06/2024	Next Infrastructure Governance Committee Meeting	9/07/2024
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3. R.A.G (RED, AMBER, GREEN) STATUS

Category	Current Month	Commentary
Overall		Project is generally tracking ok but continual monitoring of budget and consenting risk is required.
Trend	↓	No change this month.
Budget		The initial budget has been identified as being insufficient to complete all 3 stages. Stage 1A has been completed under the current budget. Stage 1B tenders have been received and will be completed within budget. Stage 2 and 3 draft estimates have been prepared and the scope is being reviewed.
Scope		The scope is well defined.
Resource		No resource issues at this time.
Schedule		Delays to processing Consents has created a risk that the 1B project will not be able to be completed prior to the whitebait season.
Risks/ Issues		Kiwirail provided affected party approval, and Draft Conditions of Consent were received on 21 June 2024. Feedback was provided 24 June 2024.

4. GOVERNANCE DOCUMENTS AND RECOMMENDATIONS TO SRO / COUNCIL / KANOA

docCM #	Document	Submission Date	Approval Date	Comments
	Funding Agreement Variation	16-Feb-23	09-Jun-23	Application for an extension of time with new completion date of May 2024.

5. STATE OF PLAY

Last Month	Next Month
<ul style="list-style-type: none"> ▪ Stage 1B Resource Consent consultation with Kiwirail complete and approval obtained 28 May 2024 ▪ Revised Affected Party approval sought from DOC and obtained 13 June 2024 ▪ Draft conditions of Consent received from WCRC 21 June 2024. Feedback was provided 24 June 2024. ▪ Draft conditions of Consent received from WDC 25 June 2024. ▪ Revised pricing obtained and recommendation provided to WCRC 24 June 2024 ▪ Stage 1B seepage modelling progressing ▪ Stage 3 GPR progressing ▪ CCTV of existing Stormwater for stage 1 and 3 complete, awaiting report. 	<ul style="list-style-type: none"> ▪ Completion of Resource Consent for Stage 1B. ▪ Execute Stage 1B Contract and commence Construction.
Total Project	
▪	
Current Tasks and Decisions	
▪	

6. FINANCIAL SUMMARY

Financial Summary	
Current Budget	\$ 7,505,226
Current Expenditure	\$ 2,413,262
Remaining Funds	\$ 5,091,964

7. HIGH LEVEL ROADMAP

Project Name	FY 2022/23				FY 2023/24				FY 2024/25	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Month Starting	July	October	January	April	July	October	January	April	July	October
Stage 1A Professional fees / Surveying/ Project Management/Design	█									
Stage 1A Preparation of Resource Consent Documents				█						
Stage 1A Construction				█						
Stage 1B Professional fees / Surveying/ Project Management/Design				█	█	█	█			
Stage 1B Preparation of Resource Consent Documents					█	█	█	█		
Stage 1B Construction									█	
Stage 2 / 3 Concepts / Budget									█	█

8. MILESTONES

Milestone	Baseline Date	Tracking	Actual Date	Comment
Stage 1A Professional fees / Surveying/ Project Management/Design	31-Aug-23	18-Aug-23		
Stage 1A Preparation of Resource Consent Documents and monitoring	08-Sep-23	08-Sep-23	21-Jul-23	Resource Consent received, WDC have requested application for District Consent for vegetation removal. This was lodged 23/8/23
Stage 1A Construction Complete	31-Aug-23	09-Sep-23	25-Sep-23	Work is complete, Practical completion to be awarded on receipt of as-built drawings. Final account yet to be received.
Stage 1B Professional fees / Surveying/ Project Management/Design	22-Dec-23	22-Dec-23		
Stage 1B Preparation of Resource Consent Documents and monitoring	14-Jul-23	26-Apr-24		Draft WCRC conditions received 21 June 2024 and draft WDC conditions received 25 June 2024
Stage 1B Construction Complete	15-Dec-23	16-Aug-24		
Stage 2 / 3 Concepts	31-Jul-23	31-May-24		Concepts received. DO to complete condition assessment of existing bank and provide additional details prior to presenting to WCRC / WDC
Stage 1A Professional fees / Surveying/ Project Management/Design	31-Aug-23	18-Aug-23		
Stage 1A Preparation of Resource Consent Documents and monitoring	08-Sep-23	08-Sep-23	21-Jul-23	WCRC Resource Consent received, draft conditions for WDC Consent received 24 June 2024
Stage 1A Construction Complete	31-Aug-23	09-Sep-23	25-Sep-23	Work is complete, Practical completion to be awarded on receipt of as-built drawings. Final account yet to be received.

9. CONSENTS

Retrospective Consent for Stage 1A granted 21/7/23. WDC have requested application for District Consent for vegetation removal, draft conditions were received for comment on 24 June 2024

Resource Consent Application for Stage 1b was lodged 18/8/23.

- Kiwirail affected party approval was provided 28 May 2024. Draft WCRC conditions received 21 June 2024 and draft WDC conditions received 25 June 2024

10. PROJECT RISKS

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
HR-RIS-01		Consent Processing	Lack of response or changing responses from affected parties	Delay to Programme	Project Manager	Actions in Place	Medium	Reducing	Provide support and input when required.	All affected party approvals now obtained
HR-RIS-03		Insufficient Budget	QS estimates indicate that the budget is insufficient for all 3 stages.	Increased cost	Project Manager	Unresolved	Medium	No Change	Approve variations when requested.	Competitively tender full scope and apply for additional funding if needed
HR-RIS-04		Scope of works	Scope increases due to requirements from WDC, Heritage Hokitika, etc.	Increased cost	Project Manager	Unresolved	Medium	No Change	Approve variations when requested.	Forecast expenditure and apply for variations.
HR-RIS-05		Weather	Flooding from weather events causing damage during construction	Delay to programme HS Equipment damage Environmental	Contractor	Unresolved	Medium	No Change	Review plans and on-site implementation	Contractor management plans.
HR-RIS-02		Existing Infrastructure	Upgrades may require relocation of power poles and have effect on adjacent roading network and	Delay to Programme Increased cost	Project Manager	Not Fully Resolved	Low	No Change	Approval of additional cost for relocations if required.	Negotiations to be had with utility operators and investigations into stormwater.

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
			stormwater system.							
HR-RIS-06		Iwi	Completing consultation for 1B Affected Party Approval	Delay to Programme	Project Manager, Planner	Resolved	Low	Improving	Review plans and on-site implementation	

11. PROJECT ISSUES

ID #	Date Raised	Issue Description	Priority	Action Required	Issue Owner
HR-ISS-01	15 May 2023	Joint Committee request was made to review the priority and investigate feasibility/costs to progress Stage 3 ahead of Stage 2. This will delay design until the next stage is agreed.	High	Prepare concepts and budgets for discussion/review by Joint Committee	Project Manager

12. DEPENDENCIES

Ref #	Description	Urgency	Owner	Critical Date	Progress / Actions
HR-DEP-01	Joint Committee request was made to review the priority and investigate feasibility/costs to progress Stage 3 ahead of Stage 2. This will delay design until the next stage is established	High	Project Manager	15-Sep-23	Concepts and budgets have been prepared for discussion/review by Joint Committee

13. IWI / HAPŪ / WHĀNAU

Partnership / Relationship	Notes
Philippa Lynch / Susan Aitken	<ul style="list-style-type: none"> Affected Party Approval provided for Stage 1B. Stage 2/3 Cultural Impact Assessment to be discussed once priority established.

14. PARTNERSHIPS / RELATIONSHIP MANAGEMENT

Partnership / Relationship	Notes
Heritage NZ	Discussion required for Stage 3 once concept established.
WDC	Plans and request for 1B affected party approval and District Consent application sent 8/8/23. APA has been received. WDC Resource Consent application for 1A placed on hold however notification not received. Queries now being addressed.
Kiwirail	Affected party approval received 28 June 2024
Ngati Waewae	Stage 1B Affected Party Approval received 28 March 2024
Waka Kotahi	Waka Kotahi affected party approval received 4 December 2023

15. HEALTH AND SAFETY

Currently no construction activities taking place.

WEST COAST REGIONAL COUNCIL

To: **Chair, West Coast Infrastructure Governance Committee**

*I move that the public be excluded from the following parts of the proceedings of this meeting, namely – **items 11 to 13 (inclusive)** due to privacy and commercial sensitivity reasons and that:*

- 1. Darryl Lew, Tom Hopkins, and Scott Hoare be permitted to remain at this meeting after the public have been excluded due to their knowledge of the subjects. This knowledge will be of assistance in relation to the matters to be discussed; and*

- 2. That the minutes taker also be permitted to remain.*

Item No	General Subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 7 of LGOIMA for the passing of this resolution
11.1	Confidential Minutes Infrastructure Governance Committee Meeting – 4 June 2024	The item contains information relating to commercial, privacy and security matters	To protect commercial and private information and to prevent disclosure of information for improper gain or advantage (s7(2)(a), s7(2)(b), and s7(2)(j)).
12.1	Actions List	The item contains information relating to commercial, privacy and security matters	To protect commercial and private information and to prevent disclosure of information for improper gain or advantage (s7(2)(a),

			s7(2)(b), and s7(2)(j)).
13.1	Franz Josef IGC Project Status Report June 2024 – Financial Public Excluded	The item contains information relating to commercial matters	To protect commercial information s7(2)(b)).
13.2	Greymouth IGC Project Status Report June 2024 – Financial Public Excluded	The item contains information relating to commercial matters	To protect commercial information s7(2)(b)).
13.3	Hokitika IGC Project Status Report June 2024 – Financial Public Excluded	The item contains information relating to commercial matters	To protect commercial information s7(2)(b)).