

**Committee Members**

Chair: Frank Dooley  
Cr Andy Campbell  
Cr Brett Cummings

Cr Peter Haddock  
Cr Peter Ewen  
Cr Mark McIntyre



**THE WEST COAST**  
REGIONAL COUNCIL

**PUBLIC COPY**

**Meeting of Infrastructure Governance Committee**  
*(Te Huinga Tu)*

**Tuesday, 9 April 2024**

**Following the completion of 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**

# Infrastructure Governance Meeting (Te Huinga Tu)

## A G E N D A *(Rarangi Take)*

1. **Welcome (*Haere mai*)**
2. **Apologies (*Ngā Pa Pouri*)**
3. **Declarations of Interest**
4. **Public Forum, Petitions and Deputations (*He Huinga tuku korero*)**
5. **Confirmation of Minutes**
  - 5.1 Minutes of Infrastructure Governance Committee Meeting 5 March 2024  
**Matters Arising**
  - 5.2 Minutes of Extraordinary Infrastructure Governance Committee Meeting 8 February 2024  
**Matters Arising**
6. **Actions List**
7. **Chairs Report (verbal update)**
8. **Operations Reports**
  - 8.1 *Monthly Catchment Management Report*
  - 8.2 *Quarry Operations Monthly Report*
    - 8.2.1 *Camelback Quarry Volumes*
    - 8.2.2 *Okuru Quarry Volumes*
9. **IRG Projects**
  - 9.1 *Franz Josef IGC Programme Status Report March 2024*
    - 9.1.1 *March 24 WCRC IGC Project Status Report - Franz Josef*
  - 9.2 *Greymouth IGC Programme Status Report March 2024*
    - 9.2.1 *March 24 WCRC IGC Project Status Report – Greymouth*
  - 9.3 *Hokitika IGC Programme Status Report March 2024*
    - 9.3.1 *March 24 WCRC IGC Project Status Report - Hokitika River Walls*
10. **General Business**

## **PUBLIC EXCLUDED BUSINESS**

### **11. Confirmation of Public Excluded Minutes**

**11.1** Minutes of Infrastructure Governance Committee Meeting 5 March 2024

#### **Matters Arising**

**11.2** Minutes of Extraordinary Infrastructure Governance Committee Meeting 8 February 2024

#### **Matters Arising**

### **12. Operations Report**

**12.1** *Franz Josef IGC Financial Update Report January 2024*

*12.1.1 March 24 WCRC IGC Project Status Report - Franz Josef - Financials*

**12.2** *Greymouth IGC Financial Update Report January 2024*

*12.2.1 March 24 WCRC IGC Project Status Report - Greymouth - Financials*

**12.3** *Hokitika IGC Financial Update Report January 2024*

*12.3.1 March 24 WCRC IGC Project Status Report - Hokitika River and Sea Walls - Financials*

**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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**THE WEST COAST REGIONAL COUNCIL**  
**MINUTES OF THE INFRASTRUCTURE GOVERNANCE COMMITTEE MEETING**  
**HELD ON 5 MARCH 2024 AT THE OFFICES OF THE WEST COAST REGIONAL COUNCIL**  
**388 MAIN SOUTH ROAD, GREYMOUTH COMMENCING AT 1.15PM**

**PRESENT:**

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

**IN ATTENDANCE:**

D. Lew (Chief Executive), S. Morgan (Acting Infrastructure Manager), P. Blackwood (Principal Engineer), S. Hoare (Inovo – IRG Programme Manager), K. Jacobsen (Area Engineer), S. Tripathi (Governance Advisor (via Zoom)), B. McMahon (Media).

**1. Welcome (*Haere mai*)**

The Chair opened the meeting.

**2. Apologies (*Ngā Pa Pouri*)**

The Chair called for apologies. There were none.

**3. Declarations of Interest**

The Chair called for any declarations of interest.

Cr Haddock declared an interest with respect to the Greymouth Floodwall and Franz Josef; and Cr Campbell declared an interest with respect to Franz Josef and 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 29 January 2024**

The Chair called for any corrections to the minutes of 29 January 2024 meeting. There were none.

**Moved** (McIntyre/ Ewen) *that the minutes of 29 January 2024 are a true and correct record.*

*Carried*

**Matters Arising**

There were none.

**Franz Josef: Update on the Waiho River**

It was noted that this item was not originally on the agenda. K Jacobsen proceeded to provide an update on the Waiho River scheme, and outlined the following points:

- WDC had completed an additional protection bank at Havils Wall. Council had also placed two survey pegs and engaged surveyors to do transits about 500-metres into the channel to target the head of the avulsion cutback.
- A recent survey indicated about a 50-metres widening in comparison to the LiDAR survey. A second survey revealed that the recent rainstorm did not contribute any further to the growth of the avulsion. Following the weekend's rain, staff intended to follow up with a third survey. Most of the flow is now back on the south side.

- River training works were put in place. However, there were three farms downstream of the Waiho loop and an area of the river not protected by any of the rating district spend assets. Avulsion and the formation of new channels is occurring into what was farmland beforehand. Historically the area had always been a flood plain; and it was one at present as the river returned into these channels due to high flow events.
- Water continues to return into certain areas with each flood event. There are two specific areas – one at Franz Dairies and another slightly further down. Thus, there are two sections where there is a lot of scouring and erosion taking place.
- Franz Dairies – the fence line shown was covered in debris, which indicated the loss of farming infrastructure; and in turn, affected day to day operations, for example, the movement of cows. The fence line shown is also a hazard for the farmer and for those visiting the site.
- Canavans Knob – the same river diversion works connect into Canavans and showed a large amount of seepage coming out at the interface between the training bund and the hill during the flood event. Seepage was also evident down land.
- The seepage on the downstream end of the bund was clear; but seepage coming through the interface shown was carrying some rock and grey silt. The implication was that the bund was doing the filtering; but there was enough rock, trees, and vegetation against the hill that the gravel had pushed up against the side and made a preferential path there. The message here was that this type of work was very temporary and vulnerable to seepage failure and erosion from the flow in the channel.
- It was noted that funding for Canavans Knob was approved by the Franz Josef Rating District representative.
- Cr Haddock confirmed he had rung all the existing [Franz Josef] Rating District members. There wasn't enough funding to do all the works members wanted but Council advised members that any work they wanted done over and above the work approved by that Rating District would have to be paid for by themselves. At the first Rating District meeting (once members have been elected), members could decide whether they would reimburse an acceptable amount.
- Three farms were discussing whether they wanted to undertake river training work and take on risk, which the joint committee would then vote on for reinvestment. A resource consent might be needed.
- Cr Haddock commended the good work done so far and noted that the temporary wall had proved its worth during the last flood and over the last six months.
- Discussion was held on the voting process. The CE updated the Infrastructure Governance Committee regarding the joint committee process. Council has received four nominations from the south side and more than four nominations from the north side. WDC and WCRC will formally consider the nominations; and adopt an updated Terms of Reference for the joint committee. This process may be progressed during an extraordinary Council meeting later in March 2024. The CE highlighted the importance of WCRC and WDC coordinating and consulting around these matters. It was noted that both Councils were the decision makers and would consider the nominations from both the south side and the north side.
- The CE commented that he would need to check if the members on the north side would be elected by the ballot box by the northern residents and then approved by the two Councils.
- The CE confirmed that the joint committee needs to be endorsed by WCRC and WDC; and that the CE will review the voting process outlined in the existing Terms of Reference and confirm with Councillors via email the process for constituting the Joint Committee.
- **Waiho**
  - Councillors were unable to see the recent video of 4 March 2024 showing the status of the Waiho due to technical issues.
  - Staff have heard that Havil's Wall was dry again after the previous week's rainfall.
  - It was noted that the staff will investigate and clarify with Cr Campbell regarding the cumecs of the last two Waiho floods.

- It was further noted that some local people were complaining that the river diversion work done to build the central Havil Wall caused the avulsion. Staff responded that the avulsion happened quite downstream hence the cutback.
- **Wanganui**
  - It was noted that Wanganui was experiencing a stronger flow on the south side and the community is being quite diligent in pointing out some vulnerabilities. Council has managed to seal these before the weekend's rainfall.
  - These seals, rockwork, and channels need to be checked this week, or in the following week, as there could be a tendency for the river to change its course back to the north.
  - It was noted that K Jacobsen would investigate the details about the rating district fund availability for Wanganui and clarify the funding status by next month.

## 6. Actions List

The actions list was discussed, and the updates below noted. It was also noted to maintain only the most current updates on the list.

- Item 1 – Ongoing. Report was due April 2024.
- Item 2 – Ongoing. It was noted that Shanti Morgan would be the Acting Infrastructure Manager and the report was due in April or May 2024.
- Item 3 – Ongoing. Transfer to RMC Actions List. To be deleted from here.
- Item 4 – Agenda item 8.1 of the meeting. To be deleted.
- Item 5 – Completed. To be deleted.
- Item 6 – Ongoing. July 2024.
- Item 7 – Dealt with as part of the Rating District meeting – hydrological monitoring and survey work. To be deleted and referred to Rating District meeting.
- Item 8 – to be deleted and referred to Rating District meeting.
- Item 9 – S Morgan was working on the Rating District meetings and would circulate the proposed timelines to the Councillors for their feedback.
- Item 10 – Noted that the asset management system is being evaluated by IT. Council to report back to the Councillors regarding the cost of the asset management system and timelines before 30 June 2024.
- Item 11 – Communications plan strategy completed and implemented. To be deleted.
- Item 12 – Completed. To be deleted.
- Item 13 – Ongoing.
- Item 14 – Ongoing.
- Item 15 – The CE expressed concerns regarding the lack of NZTA maintenance on areas; stated he had raised this matter with NZTA; and now considers this to be an NZTA issue.

Councillors had previously expressed concerns through the Transport Committee: The Chair requested the CE document the Councillor's concerns in a letter to NZTA. Given this is now a political matter, the CE suggested that the letter should be signed off by the Council Chair and Mayor.

The CE stated that NZTA's protection works around and near bridges was for the explicit purpose of protecting their assets and not farmland or any other assets. It was noted that no consent is required if the works are for maintenance. However, it was also noted that if flood waters were elevated and could flood other properties as a result of the works then written approval would be required.

The Chair stated that WCRC owned certain Rating District assets and that the work NZTA was doing was having an impact on these assets. Regardless as to whether NZTA had a closed operations policy,

if their protection works impacted WCRC then this concern needs to be raised with NZTA and the letter must be sent with urgency.

The Chair requested that the Council Chair, with the support of the Mayor of WDC, write to NZTA. The Council Chair (Cr. Haddock) confirmed this action and noted that the letter would encapsulate the risk to WCRC's assets and the Rating District's assets.

- Item 16 – Addressed earlier. To be deleted.
- Item 17 – P Blackwood had been to Westport on two occasions. The Chair expressed appreciation for P Blackwood's engagements with the constituent Councillors. The timetable for work on the Westport flood protection was also shared with the Councillors.
- Item 18 – Ongoing. To be completed by February 2025.

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

*Carried*

## **7. Chairs Report**

There was none.

The Chair reiterated that he was grateful for P Blackwood's engagement and communication.

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

*Carried*

## **8. Reports**

### **8.1 Operations Monthly Works Report**

S Morgan spoke to the report and took the report as read. The report covered works undertaken by the operations team for the month of January 2024.

#### Key discussions –

- Culvert replacement at Punakaiki.
- Wanganui work – verbal update was given as discussed earlier in the meeting.
- Natural hazards – roll out of the new policy (RMC planning matter).
- No risks or issues were raised in the report.

**Moved** (Haddock/ McIntyre) *that the Committee resolves to receive the report.*

*Carried*

### **8.2 Engineering Design Programme for Westport Flood Resilience Flood banks**

P Blackwood spoke to the report.

#### Key Discussions –

- The project was making a good progress on design and initial geotechnical design.
- Environmental assessments are close to completion. The planning report was being prepared to go to the Consultant Planner. The Planner would complete the report writing by end of March 2024.
- The construction on the Abattoir and McKennas would be completed this financial year.
- The design preparation for the overall scheme was going well. An assessment had made good progress into the quantum of impacts on properties outside the stop banks.

- A design assessment of Buller Bridge Freeboard Mitigation Options would commence very soon.
- A detailed advance design programme was included in the paper. This programme and the construction programme were aimed at maximising the flood protection effectiveness to the town over the next few years. As advised in the paper presented to the IGC meeting on 29 January 2024, the overall aim was to ensure the mitigation works to prevent the most direct threats from the Buller River and the Orowaiti are completed by June 2025.
- Most remaining works would be completed by June 2026 with 90% completion aimed for by that date. Government's funding approval did not include flood mitigation for Carters Beach. This was being further investigated to determine the most expedient path forward to mitigate flooding there.
- It was noted that options would be investigated for individual flood mitigation in the Snodgrass area.
- Design Programme key dates were noted as mentioned in the report.
- Constituent Councillors, P Blackwood, and the CE were to schedule a meeting to discuss the report further.

**Moved** (Haddock/ McIntyre) *that the Committee receives the report.*

*Carried*

## 9. IRG Projects

### 9.1 Franz Josef IGC Programme Status Report February 2024

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

#### Key discussions –

- Reestablishing sites and continued work around the Link Bank.
- Impacts of the LiDAR information and what impacts they may have on Havil Wall in the future were considered.
- Havil Wall: The scope of toe rock works required confirmation of the proposed modelling.
- Additional diversion works required to complete the Havil Wall toe rock and retrieval of bulk fill material for Heliport and Church Banks after it was washed away in the 19 - 21 January 2024 flood event.

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

*Carried*

### 9.2 Greymouth IGC Programme Status Report February 2024

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

#### Key discussions –

- Consultation held with GDC, Grey Heritage Trust and Iwi. HNZ were contacted and were yet to respond.
- Draft Environmental Management Plan, including discovery protocol, received, and reviewed.
- Traffic management plans approved by GDC.
- Construction work commencement date noted as 2 April 2024.
- Communication plan and media release on the project commencement and diversions prepared to keep the community informed.

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

*Carried*

### 9.3 Hokitika IGC Programme Status Report February 2024

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

#### Key discussion –

- Good progress made in communications with KiwiRail. Stage 1B Resource Consent consultation with KiwiRail continuing. A meeting was held 8 February 2024 and a further RFI was received on 14 February 2024.
- Construction would commence after the resource consent is approved.
- Work to be done around communication.

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

*Carried*

## 10. General Business

The CE updated the Committee about the Westport office and confirmed that the lease has been finalised. Delivery of furniture, stationery, and machinery is scheduled for next week. The office will only function as a project office and will not be open to the public. A full-time BSO will be employed to work at the office, and there is a possibility that a Project Accountant could also work out of the office. The office will serve as a hub for community engagement during the Consultation on flooding. There is potential for BDC to sublease the building from WCRC in the future.

The CE expressed interest in holding a small opening ceremony for the new office and requested the presence of Councillors. While there, the Councillors could take a tour of the flood scheme.

## PUBLIC EXCLUDED BUSINESS

**Moved** (Dooley/ Haddock) *that:*

1. *The public be excluded from the following parts of the proceedings of this meeting, namely – **agenda items 11.1, 12 and 13.1 – 13.5 (inclusive)***

<b>Item No</b>	<b>General Subject of each matter to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Ground(s) under section 7 of LGOIMA for the passing of this resolution</b>
11.1	Confidential Minutes Infrastructure Governance Committee Meeting – 29 January 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	<i>Actions List</i>	<i>The item contains information relating to commercial, privacy and security matters</i>	<i>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)).</i>
13.1	<i>Quarry Operations Management Report</i>	<i>The item contains information relating to commercial matters</i>	<i>To protect commercial information s7(2)(b)).</i>
13.2	<i>Hokitika Sea Wall Resource Consent Options</i>	<i>The item contains information relating to commercial matters</i>	<i>To protect commercial information s7(2)(b)).</i>
13.3	<i>Franz Josef IGC Financial Update Report January 2024</i>	<i>The item contains information relating to commercial matters</i>	<i>To protect commercial information s7(2)(b)).</i>
13.4	<i>Greymouth IGC Financial Update Report January 2024</i>	<i>The item contains information relating to commercial matters</i>	<i>To protect commercial information s7(2)(b)).</i>
13.5	<i>Hokitika IGC Financial Update Report January 2024</i>	<i>The item contains information relating to commercial matters</i>	<i>To protect commercial information s7(2)(b)).</i>

*and*

2. *That Darryl Lew, Shanti Morgan, 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 Governance Advisor also be permitted to remain.*

The meeting moved into the public excluded session at 2.23pm.

.....  
Chair

.....  
Date



**THE WEST COAST REGIONAL COUNCIL**  
**MINUTES OF THE EXTRAORDINARY INFRASTRUCTURE GOVERNANCE COMMITTEE MEETING**  
**HELD ON 8 FEBRUARY 2024 AT THE OFFICES OF THE WEST COAST REGIONAL COUNCIL**  
**388 MAIN SOUTH ROAD, GREYMOUTH COMMENCING AT 9.30AM**

**PRESENT:**

F. Dooley (Chairman), P. Ewen, P. Haddock, A. Campbell, M. McIntyre

**IN ATTENDANCE:**

S. Morgan (Acting Infrastructure Manager)

**1. Welcome (*Haere mai*)**

The Chair opened the meeting.

**2. Apologies (*Ngā Pa Pouri*)**

The Chair called for apologies.

The Committee noted the apology from D Lew.

**3. Declarations of Interest**

The Chair called for any declarations of interest. Cr Haddock declared an interest regarding his family members interests in MBD.

**PUBLIC EXCLUDED BUSINESS**

**Moved (Dooley/ McIntyre) that:**

1. *the public be excluded from the following parts of the proceedings of this meeting, namely – agenda item 4 due to privacy, commercial sensitivity and security reasons.*

<b>Item No</b>	<b>General Subject of each matter to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Ground(s) under section 7 of LGOIMA for the passing of this resolution</b>
4	<i>Proposal for Significant Rock Sales, Inchbonnie Quarry</i>	<i>The item contains information relating to commercial, privacy and security matters</i>	<i>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)).</i>

*and that*

2. *Shanti Morgan 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.*

The meeting moved into the public excluded session at 9.40am.

.....  
Chair

.....  
Date

UNCONFIRMED

<b>Report to:</b> Infrastructure Governance Committee	<b>Meeting Date:</b> 9 April 2024
<b>Title of Item:</b> Actions List	
<b>Report by:</b> Sarah Tripathi, Governance Advisor	
<b>Reviewed by:</b> Darryl Lew, Chief Executive	
<b>Public excluded?</b> No	

### **Report Summary**

A summary of items that require actions.

### **Draft Recommendations**

The recommendation is that the Committee receives the Actions List for information.

## ACTIONS LIST

Item No.	Date of Meeting	Item	Officer	Update
1.	5 Mar 2024	To determine the timelines for the review and update the Flood Protection Bylaw	Principal Engineer	This has been delayed due to competing priorities. Council will be updated on the progress as it happens.
2.	5 Mar 2024	To determine the timelines. With respect to Rating District works, Council to prepare paper detailing the risk/liability of RD's not accepting recommended engineering detailed design and endorsing own design parameters.	Acting Infrastructure Manager	The CE is organizing a briefing with a specialist lawyer on this matter and a workshop has been scheduled for 9 April 2024 after Council and Committee meetings.
3.	29 Jan 2024	Orphan asset review.	Acting Infrastructure Manager	To be completed by July 2024.
4.	29 Jan 2024	To update on the project.  To clarify the responsibility regarding hydrological modelling and survey work and report back for Mokihinui Township Flood Mitigation Advice Report.	Principal Engineer	This information will be provided at the RD meetings scheduled for 11 April 2024
5.	29 Jan 2024	Final NIWA report on Township Flood Mitigation Advice to be submitted to the Mokihinui Ratings District Committee.	Acting Infrastructure Manager	This information will be provided at the RD meetings scheduled for 11 April 2024
6.	29 Jan 2024	To email all the Councillors the list of the ratings district meetings proposed.	Acting Infrastructure Manager	Work in progress. Dates in paper of 9 April meeting.
7.	29 Jan 2024	To report back to the Councillors regarding the definite cost of the Asset Management Information System project.	Blair	Ongoing. This would be updated prior to 30 June 2024.

Item No.	Date of Meeting	Item	Officer	Update
8.	29 Jan 2024	To evaluate the WDC ramp application to ascertain if it has any effect on the coastal protection structures.	Acting Infrastructure Manager	Completed. WDC had withdrawn the application.
9.	29 Jan 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 Island engineers) last week to escalate the matter with the South Island Manager at NZTA.]	Acting Infrastructure Manager/ Chief People and Capability Officer	Remains on hold due to continuing capacity constraints within the infrastructure team. Will update once the new GM Catchment is on-board
10.	29 Jan 2024	To circulate update on flood mitigation options for Snodgrass and Carters Beach area.	Principal Engineer	These are included in the design programme for initial and final design by December 2025. Snodgrass options fall under the adaptation \$2M fund administered by Buller District Council. It is not part of the flood scheme. Our Councillors have yet to consider Carters Beach funding through the LTP. We have also advised DIA that we believe the funding should be granted for Carters Beach, as it was not given based on incorrect information (that it caused adverse flooding at Buller Bridge which is incorrect). It is currently estimated at \$1.5 million and will be reviewed under the design programme in early 2025.

Item No.	Date of Meeting	Item	Officer	Update
11.	5 Mar 2024	To email the Councillors the process for the constitution of the Franz Josef joint committee, as per the terms of reference of the joint committee.	Acting Infrastructure Manager	Completed.
12.	5 Mar 2024	To email the Councillors the source of the gravel that was procured to build the extra wall in Waiho.	Area Engineer	Staff have not identified the source of the gravel. An effort will be made to contact contractors next month as time allows.
13.	5 Mar 2024	To investigate and clarify with Cr Campbell regarding the cumecs of the last two Waiho floods.	Area Engineer	To be addressed on 9 April.
14.	5 Mar 2024	To investigate the details about the funding availability for Wanganui and clarify on the status.	Area Engineer	To be addressed on 9 April.
15.	5 Mar 2024	Constituent Councillors, the CE, and P Blackwood to meet to discuss P Blackwood's paper – "Engineering Design Programme for Westport Flood Resilience Floodbanks".	CE / Principal Engineer	Completed on 19 February 2024.
16.	5 Mar 2024	Quarry strategy timeline.	Acting Infrastructure Manager	Agenda item
17.	5 Mar 2024	Quarry Operations Monthly Report update to be presented to the Committee in next meeting.	Acting Infrastructure Manager	Agenda item

<b>Report to:</b> Infrastructure Governance Committee	<b>Meeting Date:</b> 9 April 2024
<b>Title of Item:</b> Monthly Catchment Management Report	
<b>Report by:</b> Shanti Morgan, Acting General Manger Catchment Management; Paulette Birchfield, Northern Area Engineer; Kent Jacobsen, Southern Area Engineer; Oliver Rose, Catchments Officer; Sharon Hornblow, Natural Hazards Analyst; Kelly Maynard, Senior Asset Lead	
<b>Reviewed by:</b> Darryl Lew, Chief Executive	
<b>Public excluded?</b> No	

## Report Purpose

The purpose of this report is to provide Council with an overview of the work undertaken by the catchment Management team between, February 20<sup>th</sup> and March 20<sup>th</sup>, 2024.

## Report Summary

This month the Catchment Management team have focused on providing technical advice and supporting the four capital infrastructure projects being undertaken across the region in addition to coordinating the annual rating district meetings. Additionally, staff have been monitoring assets and coordinating work to occur in the Wanganui, Whataroa, Franz Josef, Kongahu and Karamea Rating Districts as agreed by the Rating District spokespeople.

The team has also progressed with strategic work in the natural hazards space to ensure the regional council provides the community with complete and comprehensive data on the hazards that have the potential to affect the region.

## Recommendations

**It is recommended that Council/the Committee resolve to:**

1. Receive the report.

## Issues and Discussion

### Background

The WCRC Catchment Management team undertake a variety of work from significant capital infrastructure projects in Westport, Greymouth, Hokitika and Franz Josef, Modelling, and investigatory work to improve flood management approaches, the management of 23 Rating districts which includes the maintenance of assets, consenting, compliance, community support and engineering assessments and the management of Natural Hazard data and its dissemination.

### Current situation

The Catchment Management team are currently working to provide our 23 rating districts with annual works & financial reports for upcoming rating district meetings. Additionally, the team have been coordinating maintenance works in rating schemes, prioritising Health and safety, working on improved asset management and collecting information for potential future capital works which intend to benefit the region through minimising flood and coastal hazards.

A summary of work that has been undertaken this month includes:

**1. Supporting our Rating districts**

**Wanganui Rating District:**

Two projects were carried out for the Wanganui Rating District in March 2024, both on the true left. Both projects required swift action as there was risk of erosion in both areas if rock armouring of the eroded banks was not completed.

**Project 1 – Downstream of SH6:**

74m of rock riprap was installed along the stopbank immediately downstream of the SH6 Bridge on the True Left. This job involved 830T of rock. The flow of the Wanganui has been increasing on the true left, as well as an increase in water velocity which put the remaining exposed section of naturally vegetated stopbank at an increased risk of erosion.

This job is essentially an extension of other works which were carried out last month, to armour the true left bank to the SH6 Bridge.

Two quotes were received, and the job awarded to Campbell Ag. Machinery already on-site from previous works were mobilised immediately to complete the job before a forecast rainfall event.

Works were initiated on the 29/02/24 and completed 02/03/24 and all was approved in writing by the rating district spokesperson.



Figure 1: Wanganui downstream of SH6 pre works.





Figure 2: Wanganui downstream of SH6 - during works



Figure 3: Wanganui downstream of SH6 - post works

### **Project 2 – Blackburns Stopbank:**

25m of rock riprap was placed on the eroding unprotected stopbank that was under direct attack from the main channel of the Wanganui River.

The project was completed using Campbell Agriculture Ltd to cart from the Wanganui Rating District rock stockpile & South Westland Earthworks to place the rock.

Works were initiated and completed on Saturday 02/03/24 and was approved in writing by the rating district spokesperson.

Figure 4 and Figure 5 both show the angle of the river, and where it wants to flow. The Blackburn's Farm is at or below the river water level.



*Figure 4: Blackburn's - pre works*



*Figure 5: Blackburn's - post works*



**Whataroa Rating District:**

Planning is underway to install a new spur on the Whataroa River. The proposed spur is proposed to be approximately 1000T & 2/3 the height of the other spurs. This work will be put to market to ensure procurement policies are adhered to and is expected to occur in quarter four of the FY.

Plans are also being finalised in consultation with the rating district spokesperson to carry out approximately 800T of remedial works on Spur #3 located downstream from the SH6 Bridge (Figure 6).

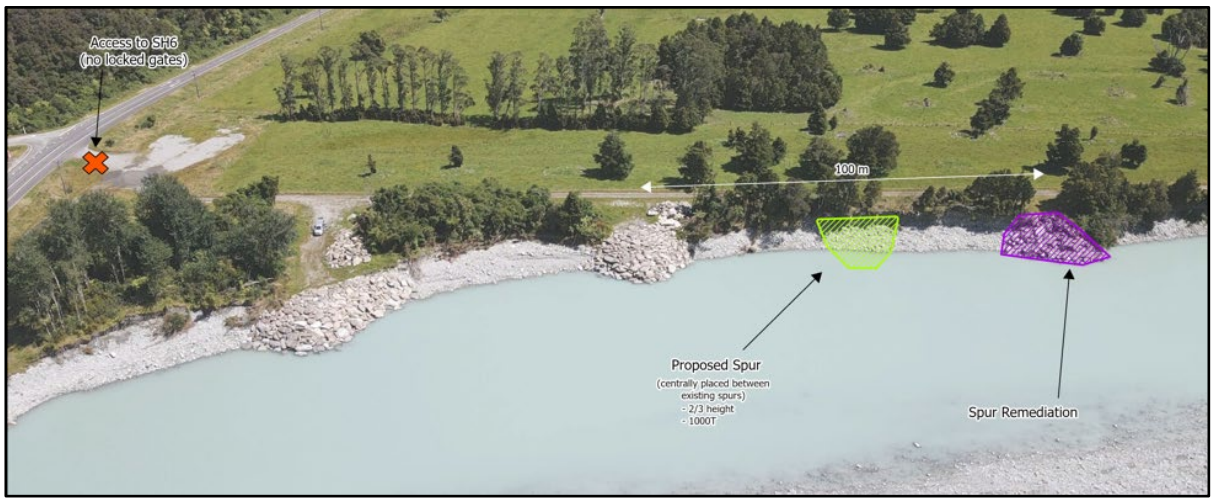


Figure 6: Proposed spur location – halfway between current 2nd/3rd Spur



Figure 7: Spur 3 requiring remediation

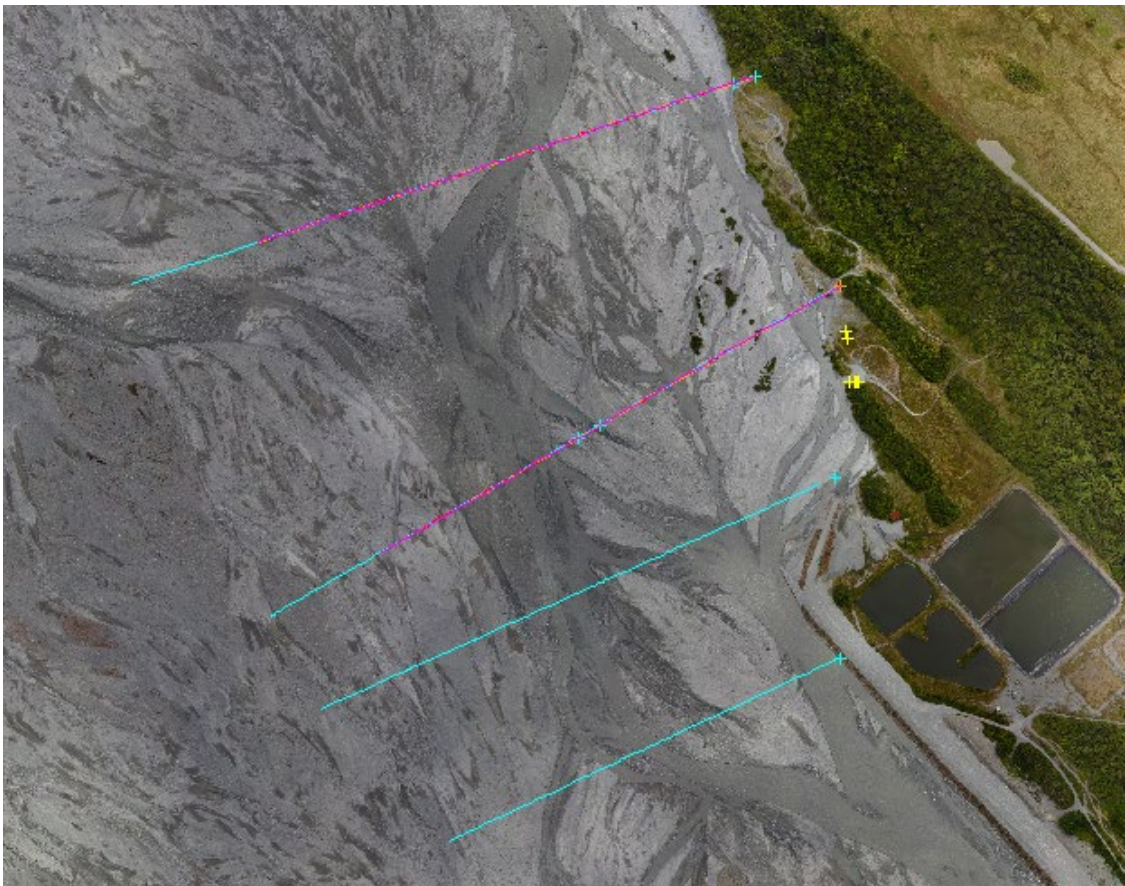
### **Franz Josef:**

The Catchments Management team continue to undertake regular site visits to Franz Josef to monitor the continued changes and emerging risk areas observed across the Waiho river over the past few months.

### **Havill's avulsion**

As part of monitoring the avulsion which the potential to threaten the Franz Josef wastewater ponds. The team contracted a survey of four transects to better understand the risk. This survey identified the development of a 40 m wide, 1 m deep channel within 200m of the Havill wall stopbank.

The team are currently working on engineering solutions to mitigate the risk to these ponds. This work is being led by the Franz Josef TAG, Inovo project management staff and WCRC technical staff.



*Figure 8: four established sections on the Waiho, the two upstream are the newest additions, section of the furthest upstream depicted in fig 10*



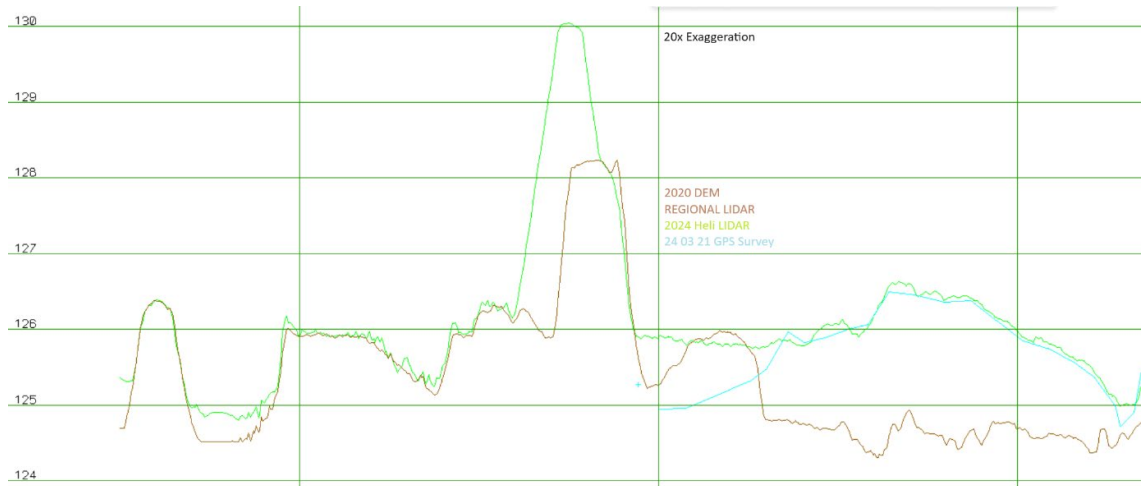


Figure 9: Upstream section, showing bed levels at around 125m RL and where the active braid is located.

### Havill Wall construction

The team are also monitoring the construction of the upper Havill wall. Staff observed the rock-armour being placed at full batter height this month.

The Southern area engineer identified that the grading of the rock looked unsuitable, the current contractors said they would rectify this with their quarry manager. Staff will revisit the site in April to ensure rock grading has been improved.



Figure 10: contractors placing rock-armour full batter on the Havill wall stopbank

### Church stopbank

The Southern Area Engineer noted what appears to be a switch from dominant flow against the right bank batter toward the centre of the channel taking place adjacent to the Church stopbank this month. This could be from gravel entrained in the flow being activated from the transport reach. Between the glacier tongue and the SH6 bridge there was estimated to be 1.75 million cubic metres of gravel entering the system based on the

recent geomorphic change detection performed on the LiDAR data. The southern area engineer will continue to monitor this situation over the next few months.

### **Rubbish dump stopbank**

The Southern Area Engineer noted this month that flow had increased in this area, however no seepage under the training bund was observed. There seemed to be 3-4 active braids, with the nearest braid flowing against the toe of the training wall batter with some erosion evident. The southern area engineer will continue to monitor this situation over the next few months.



Figure 11: Flow within multiple braids at Canavan's Knob (trees) looking upstream standing on the river training bund.

### **Milton's and others stopbank**

A change in alignment between Rata Knoll and the Waiho Loop was observed this month. Part of Milton's and others stopbank is now experiencing a more direct attack, with water ponding in the upstream direction within an inactive braid.

The Catchment management team intend to observe this during each visit, at least until the braid is no longer on a direct attack into the stopbank. This continued monitoring will help inform any required works in the future.





Figure 12: Flow between the Waiho Loop (LHS) and Rata Knoll (RHS) where its attack on Milton and others stopbank has become more direct

### **Stony creek and Lake Mapourika**

During this month's monitoring, the Southern Area Engineer also assessed any changes to the Stony Creek and lake Mapourika areas. The capacity under Stony Creek was observed to be less than usual. As a result, the team are working to identify someone with the knowledge of the threshold for aggradation under the SH6 bridge at Stony Creek to ensure any risk is mitigated and communicated to NZTA.



Figure 13: View of Stony Creek at SH6 bridge looking upstream

### **Kongahu Rating District:**

Following a site inspection by the spokesperson it was noted that weed build-up was restricting flow in the Contour Channel above the confluence with Granite Creek. SM Lowe Contracting Ltd were engaged to undertake the work and weed was cleared from a 250m length of the channel in early March 2024.



*Figure 14: Contour Channel, looking upstream.*

**Karamea Rating District:**

Woody vegetation was beginning to re-establish on the Domain Bank behind the Karamea School. On 29 February 2024 the WestReef mower was used to clear long grass and woody vegetation from the bank. SM Lowe Contracting Ltd hand-cut the remaining areas that the mower was unable to reach.



*Figure 15: Domain Bank, after mowing.*



## 2. Prioritizing Health and Safety

The catchment management team have been reviewing all contractor health and safety prequalification information over the last two months to ensure all contractors being awarded work are prioritising H&S and meeting the WCRC standards.

Council staff are currently working through 18 applications for contractors to update their prequalification status to be Approved Contractors. There are several contractors still compiling their H&S information and are yet to send through the required information.

Moving forward, all contractors must be prequalified and have all their information saved in our system as proof that they have current, updated information such as insurances, H&S Management Plans, Incident Registers etc, as well as a signed Contractor Acknowledgement of Health and Safety Obligations. New contractors will be able to become H&S prequalified with the WCRC at any stage, however, processing applications can take several weeks. Additionally, the catchment management team may use contractors without prequalification status in emergency situations where no prequalified contractors are available. This situation will be closely managed by staff to mitigate risks.

## 3. Rating District Meetings

Rating district meetings are being rolled out over the next three months with the first scheduled for 11 April a table of rating district meetings that have been set can be seen in table 1.

Rating district	Meeting date	Papers & agenda sent	Chair (proposed)
Karamea	11-Apr-24	18-Mar-24	Mark McIntyre
Kongahu	11-Apr-24	18-Mar-24	Frank Dooley
Mokihinui	11-Apr-24	18-Mar-24	Mark McIntyre
Nelson Creek	17-Apr-24	TBS	Peter Ewen
Punakaiki	18-Apr-24	TBS	Frank Dooley
Rapahoe	23-Apr-24	TBS	Allan Birchfeild
Franz Joint Committee	6-May-24	TBS	Peter Haddock
Hokitika Joint Committee	6-May-24	TBS	Peter Haddock

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

## 4. Asset management improvements

To improve the management of the West Coast Regional Councils assets a Senior Asset Lead has been recruited. The Senior Asset Lead has been working to establish

the current levels of service of assets through acquiring up-to-date data on the schemes. The Senior Asset Lead has identified the need for further asset inspections to prioritise work. An asset management tool is being scoped which will include asset maturity assessments and an interim asset management system is being explored.

## 5. Natural Hazard management

- a. **Natural Hazards workshop:** An internal staff workshop was held on March 20th to identify the key areas of focus for the development of a Natural Hazards Strategy. The workshop included staff from Natural Hazards, Infrastructure/Catchments, CDEM, Hydrology, GIS and Policy. The Natural hazard datasets held by the WCRC were discussed as they have expanded significantly over the past three years thanks to technological advances and cost decreases (e.g. LiDAR) and an increase in project work which has included the mapping of natural hazard risks funded through the TTPP process and CDEM lifelines investigations. The Natural Hazards Analyst is working to improve the availability of Natural Hazard reports and associated GIS datasets, including those used to inform TTPP natural hazard overlays by uploading data to the WCRC website and identifying small data sharing projects including website infographics. The development of the WCRC natural hazards strategy will include data dissemination as a priority and working strategically with TAs to ensure the most up to date data is used to understand the regions natural hazards and climate change risks.
- b. **Project identification:** The Natural Hazards Analyst is working to prioritise potential natural hazard projects and identify required resources and future needs for data capture and investigation/modelling. The WCRC has historically worked reactively when managing Natural hazards as a response to flood events, landslides, and other emergency situations. Identifying Natural Hazard risks across the region will enable future proofing capital works to take place prior to events occurring. For example, an opportunity has been scoped to identify 50- and 100-year flood extents for more of our rivers and small towns to understand risks and prevent local disasters. Another opportunity identified for the strategic plan is to work on gathering long-term shoreline change data to inform long-term coastal adaptation strategies and inform engineering options.
- c. **Appropriate discharge of Natural Hazard (NH) information:** The natural hazards analyst has been working to ensure Natural Hazard information is being disseminated appropriately. This process includes peer reviewing all Natural Hazard datasets by a third-party contractor followed by a CEO letter

to Territorial Authorities (TAs) handing over the information with request for proof of receipt. These must then be applied to all property LIMs and consenting matters. The NH analyst is currently in the process of reviewing which datasets the WCRC hold that have not been through due processes to ensure they are fit to be formally discharged to TAs and we can oblige the TAs to include this information on LIMs.

- d. **Improvement of website NH data and information access:** The current WCRC website contains access to NH reports and papers. However, there are more modern data visualisation options available which are being used by other regional councils to communicate natural hazard risk (i.e. the use of web-map technology to query data held on specific properties). A project area identified for the next three years of the LTP will be improving our Hazards information management and provision. A web map format in conjunction with clearly listed reports by subject and area will provide clarity of what types of natural hazard spatial datasets we hold, (e.g., flood modelling for a township) and provides a place for formally notifying when these are superseded by a more recent dataset. This is a priority for WCRC, TA staff and our communities e.g. when a person is completing due diligence before purchasing a property.

## Considerations

### Implications/Risks

1. **Workload/Resource constraints:** The catchment Management team are continuing to monitor and provide maintenance work to the WCRCs 23 rating districts as required. There is also an elevated workload due to the large capital works occurring across the region which require staff attention. Furthermore, staff are working on gathering information for the second round of central government funding for river protection titled “before the deluge two” which has the potential to constrain resources further. To ensure that the WCRC can continue to fulfil its obligation to the rating districts and meet the annual service performance measures, any additional capital work in the region will be adequately resourced with project managers as opposed to utilising existing staff which are at capacity. The team will ensure to manage this risk through good project planning and resource allocation as projects are secured.
2. **Asset Management:** The Catchment management team need to improve the management of assets to ensure future government funding can be secured by the region. Resource constraints have been identified as a risk to slowing this process

down. To mitigate this risk the team are working with the GIS department to develop the asset management system to ensure staff can start practising best practice asset management as soon as possible.

- 3. Information sharing and dissemination:** The team have noted that there is room for improvement in the internal and external information sharing regarding hazards in our region and the management of them. To work toward improving in this area several networking groups have been established and cross team meetings initiated. This includes the development of an internal WCRC rivers group which includes internal staff from Hydrology, CDEM and Catchment Management. Additionally, the catchment management team have invited Hydrology staff to attend their weekly team meetings which has been a great start to improving communications. Moving forward the team look to establish an external regional river Hazards special interest group as part of the regional Council, regional leadership role. This will look to include staff from, KiwiRail, NZTA, TAs, DOC, Iwi and other stakeholders as scoped. The working group will be kept internal until key documentation including the flood response manual is developed.

#### **Significance and Engagement Policy Assessment**

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

<b>Report to:</b> Infrastructure Governance Committee	<b>Meeting Date:</b> 9 April 2024
<b>Title of Item:</b> Quarry Operations Monthly Report	
<b>Report by:</b> Shanti Morgan, General Manager Business Unit	
<b>Reviewed by:</b> Darryl Lew, Chief Executive	
<b>Public excluded?</b> No	

## Report Purpose

To provide the Infrastructure Governance Committee with an overview of Quarry operations and management for February

## Report Summary

During the month of February, the WCRC Quarry Manager undertook site assessments at Camelback and Okuru quarries to establish estimated rock quantities at each site (Attachments 1 & 2).

Work was also completed this month to close Blackball quarry and an assessment for options to close Kiwi quarry is in draft.

## Recommendations

It is recommended that Council/the Committee resolve to:

1. Receive the report.

## Issues and Discussion

### Current situation

#### Inchbonnie Quarry

The WCRC was unsuccessful on its tender for the sale of 60,000T rock for a KiwiRail project. An opportunity to sell smaller quantities of rock against this contract still exists, if the contractor holding the contract wishes to purchase rock from Inchbonnie Quarry. Future opportunities with KiwiRail are being monitored by staff.

The Quarry Manager has been working with the WCRC Catchment officer this month to establish accurate rock volumes at this quarry using drone surveys. Furthermore, geologists have been contacted to quote a rock report as requested by IGC last month. These options will be presented to IGC once received.

#### Camelback Quarry

The Quarry Manager undertook two site visits to camelback this month to assess the quantity of rock available to council (Attachment one). An assessment was also made of Rock on ground & Rubble on ground.

The quarry Manager is working to complete fencing along the entrance road of the quarry and planning to reestablish the camelback route which borders the quarry as a requirement by DOC next month

#### Okuru Quarry

The Quarry Manager undertook a site visit to Okuru quarry this month to ascertain its status, estimated volume of rock (attachment two) and identify any risks or issues with operating the quarry.

Quarry access is an issue as the WCRC are waiting on acceptance of an access agreement which has been with DOC for over two months. The quarry manager is looking to expediate this process next month.

423T of rock was sold from Okuru quarry in January utilising rock on ground which was invoiced this month. The rock was utilised by Westroads for roading repairs. There is potential for more sales of this type within the next few months, including 6000 tonnes required for work on Jacksons Bay Road. However, there is currently no rock or rubble on ground, therefore a campaign is needed which requires the access permit from DOC.

### **Kiwi Quarry**

An assessment for the closure of Kiwi quarry has been contracted to WSP. Stage 1 of the assessment has been completed which includes a desktop study and site walkover assessment.

A draft report has been completed with findings and recommendations detailed.

This report will be finalised and sent to the WCRC for review mid-April.

### **Blackball Quarry Update**

Works were undertaken this month to rehabilitate Blackball quarry. This was completed after a survey by a kiwi detection dog to ensure no kiwi were present prior to works occurring as a requirement by DOC. Additionally, councils Vector Control Services Team undertook weed management at site as a rehabilitation requirement.

The quarry manager completed a site visit with the Work Safes high Hazard Unit this month and a quarry/alluvial mine operation abandonment was approved for filing, this has now been sent to WorkSafe.

Rehabilitation work is now completed and are awaiting DOC (Landowner) signoff for closure. The quarry strategy drafted

### **Quarry Strategy**

The quarry strategy drafted by the previous WCRC Quarry Manager is under review. The strategy has good baseline data, but further work is required on the resources at each quarry and strategic direction over the next ten years. Due to the financial forecasting work required, resource calculations and options analysis there is a three-month delay on delivery to council.

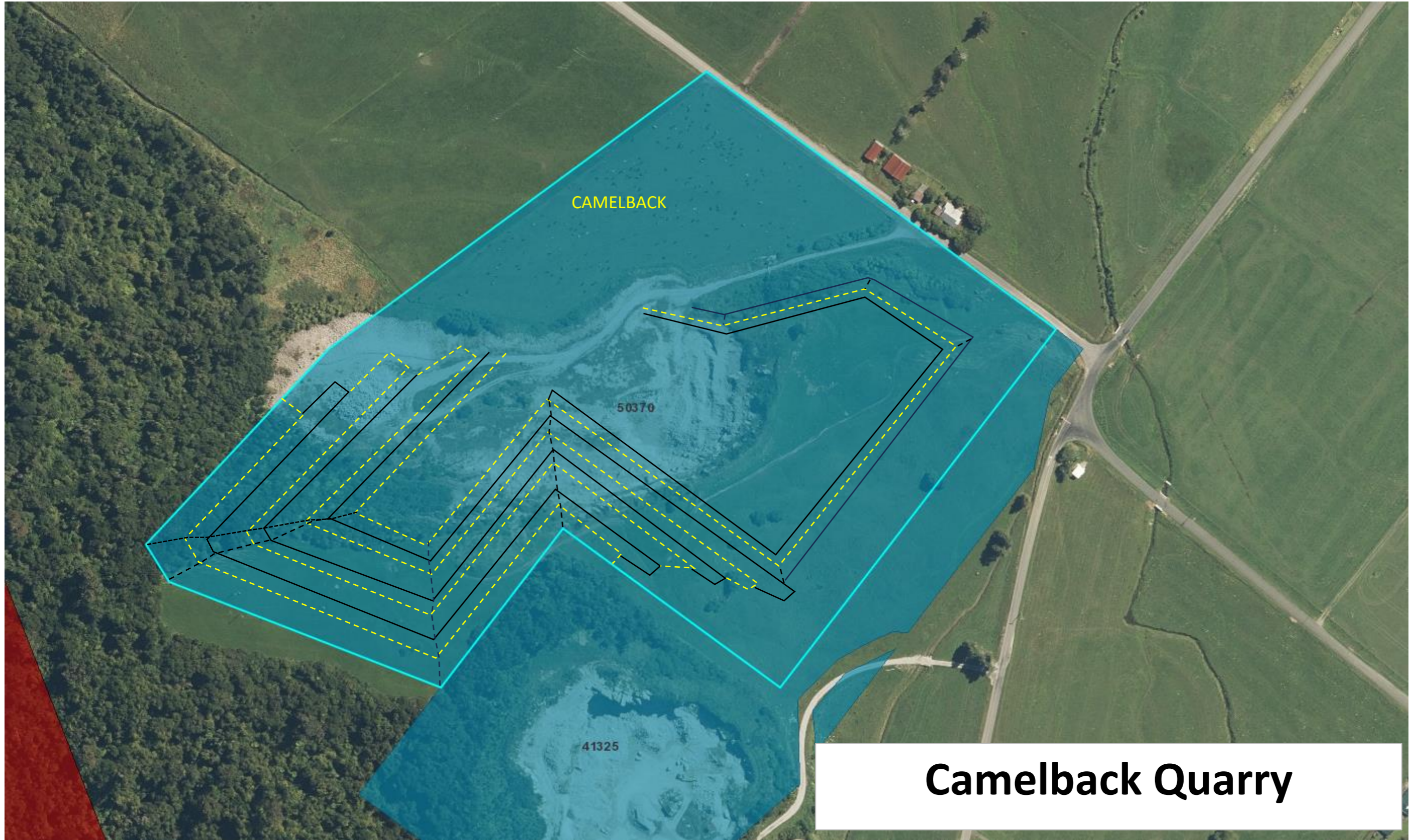
The quarry strategy will be sent to council for review by June 2024.

### **Attachments**

Attachment 1: Camelback Quarry Volumes

Attachment 2: Okuru Quarry Volumes



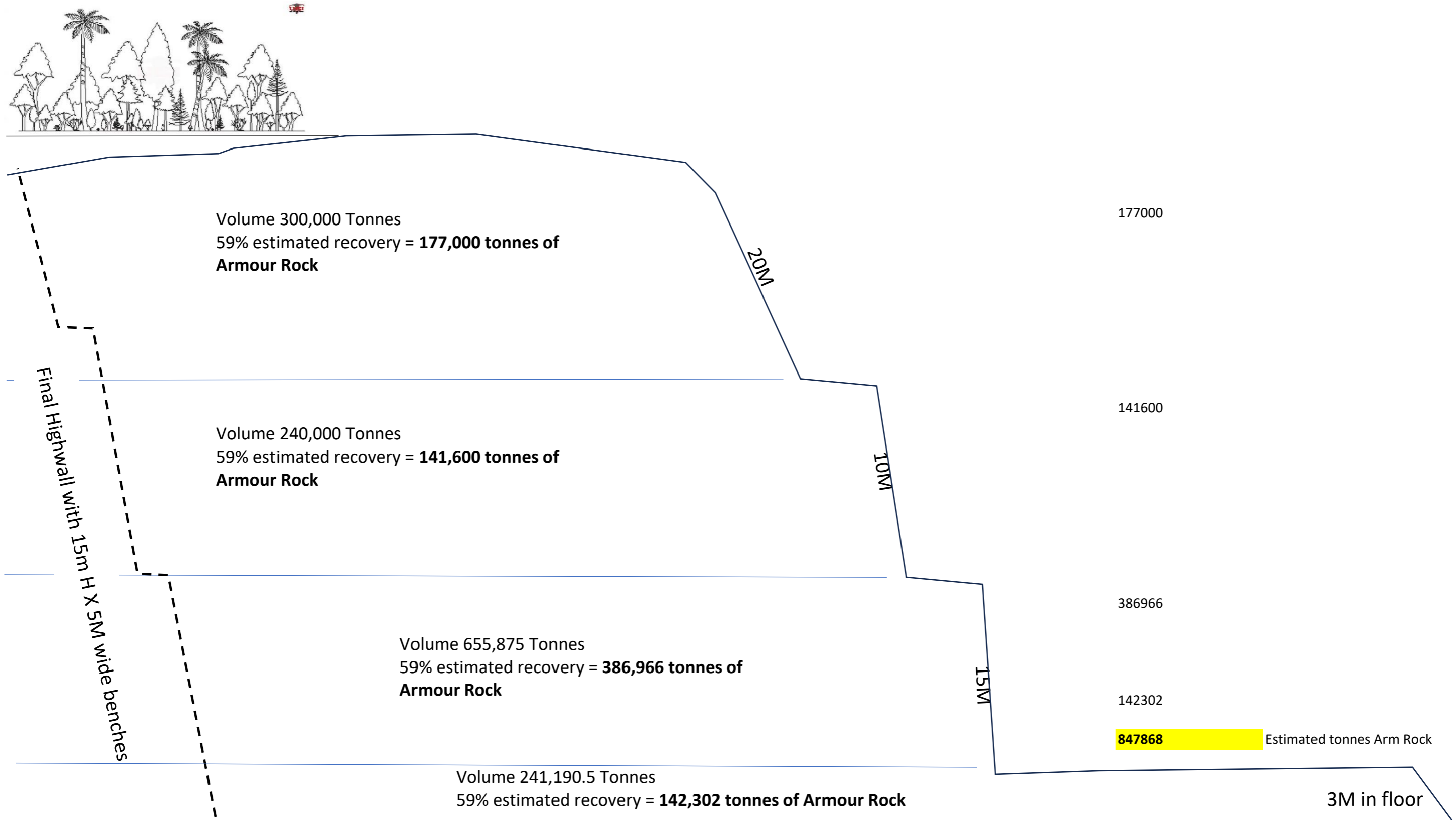


**Camelback Quarry**

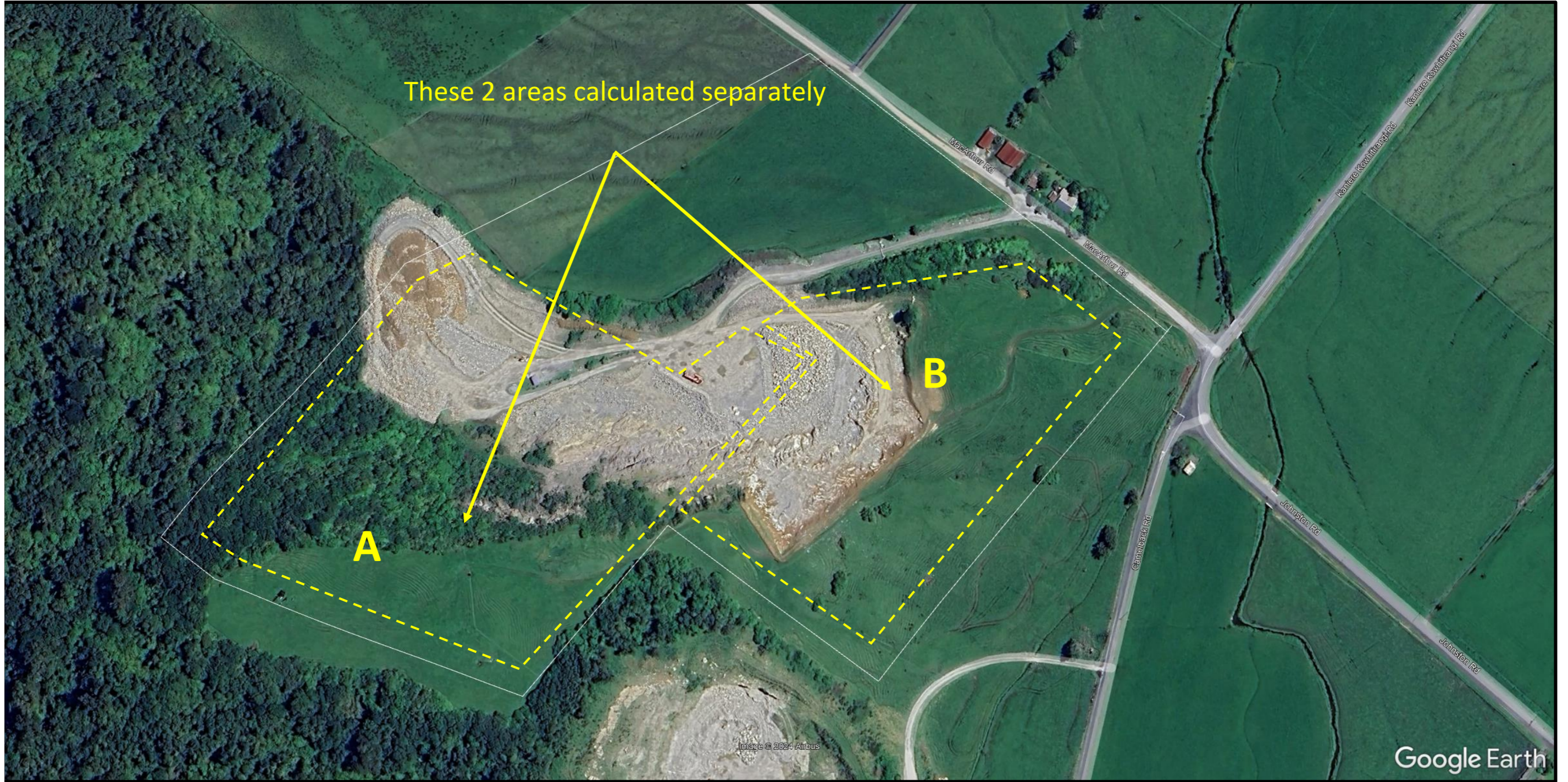


Formula is area \* depth = cubic metres \* rock density of 2.65 tonnes =total tonnes\* 59% = Total AR

# Area A









# Area A

Volume 1,437,065.5Tonnes  
59% estimated recovery = **847,868.64 tonnes**  
of Armour Rock

# Area B

Volume 892,069.5 Tonnes  
59% estimated recovery = **526,321tonnes** of  
Armour Rock

## Total Area A & B

Volume 2,329,135 Tonnes  
59% estimated recovery = **1,374,189.65 tonnes** of Armour Rock









/



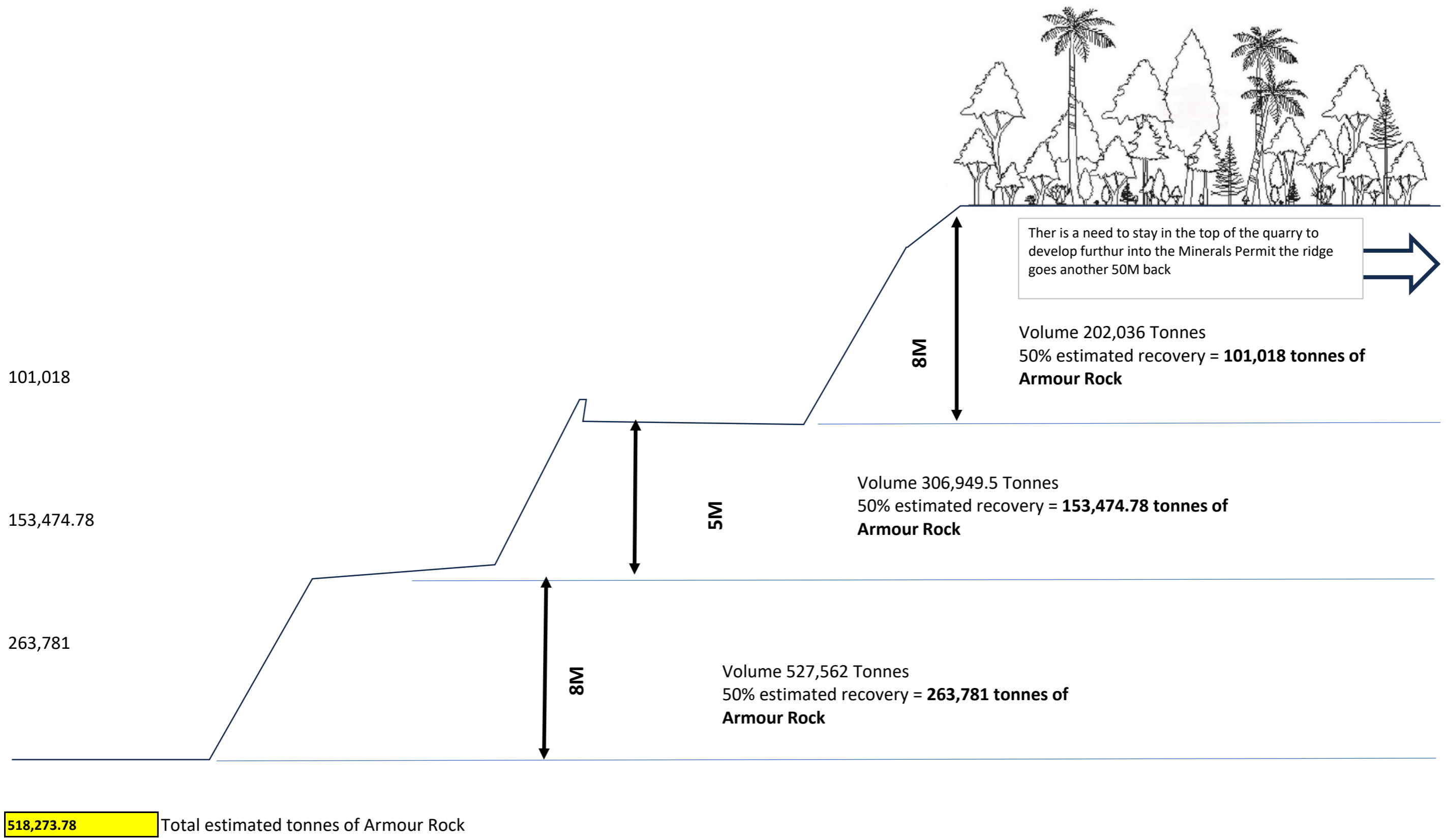




Okuru Quarry Mineral Permit map



Formula is area \* depth = cubic metres \* rock density of 2.65 tonnes =total tonnes\* 50% = Total AR









<b>Report to:</b> Infrastructure Governance Committee	<b>Meeting Date:</b> 9 April 2024
<b>Title of Item:</b> Franz Josef IGC Programme Status Report March 2024	
<b>Report by:</b> Scott Hoare Inovo, IGC Programme Manager	
<b>Reviewed by:</b> Shanti Morgan, Acting Infrastructure Manager	
<b>Public excluded?</b> No	

### Report Purpose

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

### Report Summary

The report presents an update on the progress of the project including the completion of the Link Bank up to the existing bank levels and tying into the Havill Wall, issuance of the resource consents, and the partial lifting of the Havil Wall.

### Recommendations

It is recommended that the Committee resolve to receive and note the attachment to the report.

### Issues and Discussion

### Considerations

#### Implications/Risks

There is a risk to the project budget based on approved and forecasted variations.

#### 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.

#### Views of affected parties

Consultation with Glacier Country Heliport is ongoing in relation to the impact on the helipads and fuel bowsers.

#### Financial implications

Works have been funded from the IRG Project budgets.

#### Legal implications

There are no legal implications as a result of this report.

#### Attachments

Attachment 1: March 24 WCRC IGC Project Status Report - Franz Josef

WCRC IGC PROJECT STATUS REPORT

# FRANZ JOSEF STAGE 1

WEST COAST REGIONAL COUNCIL  
ISSUE 16 - 28 MARCH 2024



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## QUALITY ASSURANCE

PREPARED BY	Nic Bell	Project Manager	28 March 2024	
REVIEWED BY	Chris Hoskins	Senior Project Manager	28 March 2024	
APPROVED BY	Scott Hoare	Programme Manager	28 March 2024	

## 1. PROJECT STRUCTURE

Reporting Month Ending	31/03/2024
Project Sponsor	Darryl Lew, CEO
Senior Responsible Officer	Shanti Morgan, Acting Infrastructure Manager
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	5/03/2024	Next Infrastructure Governance Committee Meeting	9/04/2024
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## 3. R.A.G (RED, AMBER, GREEN) STATUS

Category	Previous Month	Current Month	Commentary
<b>Overall</b>			Project is overall ok but risks with budget keep it at amber.
<b>Trend</b>		→	Project continues to improve with the placement of Rock up to design level on the Link Bank Jan/ Feb 2024.
<b>Budget</b>			Forecast is tracking over budget, mitigation strategy agreed to reduce scope and manage budget.
<b>Scope</b>			Scope is generally well defined for upgrade of the North Stopbanks.
<b>Resource</b>			No issues noted
<b>Schedule</b>			Currently tracking on schedule.
<b>Risks/ Issues</b>			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.
	Tetra Tech Coffey Fee Variation	20/09/2023	26/09/2023	Variation to scope of works for designer, approved by WCRC.
	Variation 03 - Change in	5/10/2023	25/10/2023	Change in funding timeline to match actual progress on site, approved

## 5. STATE OF PLAY

Last Month	Next Month
<p>Havil Wall:</p> <ul style="list-style-type: none"> <li>Supply and placement of approximately 14,000 T of rock armouring approximately chainage 750 to 100, including strengthening the connection to the Link Bank, which was required due to very low thickness small rock armouring.</li> </ul> <p>Planning:</p> <ul style="list-style-type: none"> <li>Continued processing and responding to RFI's for a consent to remove gravel from area between the new Link Bank and old NZTA Bank at the end of the Heliport facility.</li> </ul> <p>Design:</p> <ul style="list-style-type: none"> <li>Feedback provided by MBD regarding price of Church Bank retaining wall - this was deemed too expensive, Designer has been investigating changing to steeper rock batter,</li> <li>Agreement to install toe rock along 100 to 750 of Havil Wall,</li> <li>Agreement to proceed with installation of Electronet and Chorus poles and overhead lines.</li> </ul>	<p>Havil Wall:</p> <ul style="list-style-type: none"> <li>Supply and placement of toe rock to chainage 100 to 750.</li> </ul> <p>Heliport - Church Bank:</p> <ul style="list-style-type: none"> <li>Mobilise Electronet and Chorus to begin works on poles.</li> </ul> <p>Planning:</p> <ul style="list-style-type: none"> <li>Obtain additional consent.</li> </ul> <p>Design:</p> <ul style="list-style-type: none"> <li>Complete all required design elements and submit building consent request (if required) for retaining wall at Church Stopbank.</li> </ul>
<b>Total Project</b>	
<ul style="list-style-type: none"> <li>Placement and compaction of bulk fill of approximately 147,000 m<sup>3</sup>,</li> <li>Supply and placement of approximately 78,000 T of rock.</li> </ul>	
<b>Current Tasks and Decisions</b>	
<ul style="list-style-type: none"> <li>Heliport stopbank: Before the heliport section of the stopbank can be raised an understanding and agreement must be reached with GCH and WDC into the scope of works,</li> <li>Church Bank: Finalisation of design and required consenting to be completed to construct retaining wall through narrow section of stopbank by the Church,</li> <li>Overhead services: Finalisation of scope and mobilisation with Chorus and Electronet,</li> <li>Awaiting processing of consent to remove material to assist with Heliport Bank bulk fill,</li> <li>Diversion works: Additional diversion works will be required to complete the Havil Wall toe rock and retrieval of bulk fill material for Heliport and Church Banks following it being washed away in the flood event 19 - 21 January 2024,</li> <li>South NZTA Bank: Updated modelling is required to determine if this is to be included as a part of stage 1.</li> </ul>	



Photo one (1) is from 14 March 2024, right, was taken at Whataroa Quarry showing the rock being loaded onto a truck prior to carting to site.

Photo two (2) is from 14 March 2024, below, was taken at approx. chainage 780 (Link Bank) looking downstream toward Havil Wall showing the area of Havil Wall that had been improved by removing the existing rock armouring and mixing with additional new rock.

Photo three (3) is from 25 March 2024, below and right, was taken at approximately chainage 300 (Havil Wall) looking downstream showing rock armouring to the full design height.



Photo 1



Photo 2



Photo 3

## 6. HIGH LEVEL ROADMAP

Project Name	FY 2022/23				FY 2023/24				FY 2024/25	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	H1	H2
North Bank										
- Link Bank										
- Heliport - Church Bank										
- Havil Wall										

## 7. 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	31-Jul-24		
- South Side Stage 1 (NZTA Banks)		(On Hold)		10 Year Flood Management Plan
- Waiho Loop (Tatare Stopbank)	31-Aug-23	Not Proceeding		

## 8. CONSENTS

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

An additional North Bank consent has been applied for, to obtain gravel from the area between the new Link Bank and the old NZTA Bank to provide bulk fill for the Heliport bank uplift.

Condition 19 of the land use consent requires inspection post rain event. An inspection was carried out by Kent Jacobsen following the flood event 19 - 21 January 2024 this has continued after any recent and future events.

## 9. 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-01		Consent Processing	Single entity in opposition to works, delaying obtaining resource consent.	Delay to Programme	Project Manager	Complete	Medium	Closed	Provide support and input into hearing when required.	Hearing held with Independent 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.



ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
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-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.
FJ-RIS-08		Weather	Flooding from weather events causing damage.	Delay to programme Health and Safety Equipment damage	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

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
				Environmental						programme updates and post event inspection as per condition 19.
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-compliance notices. Work held up on site	Project Manager/Engineer to the Contract	Not Fully Resolved	Low	No Change	Review plans and on-site implementation Confirm monitoring plan, escalate if necessary	Contractor management plans including monitoring progress of the works and programme updates.



## 10. 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 Tatare 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	Designer to obtain additional information about area and process into workable solution, probably involving gabion baskets and anchors. This design has been completed and shared with the contractor for constructability and pricing feedback.	Lead Designer
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.	Project Manager

## 11. 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	01-Apr-24	Works have been deferred to the next low season (mid 2024). Project Manager to continue liaising with parties to reach agreement.
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-Apr-24	Design has been completed and shared with contractor for constructability and pricing feedback.

## 12. IWI / HAPŪ / WHĀNAU

Partnership / Relationship	Notes
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## 13. 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 Havi 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.

## 14. HEALTH AND SAFETY

There were no health and safety incidents / accidents reported in March 2024.  
 The contractor completed a partial health and safety audit on 12 March 2024.  
 The Engineers representative undertook a site inspection on 14 and 27 March 2024.  
 No issues were noted during the audit or inspections.

<b>Report to:</b> Infrastructure Governance Committee	<b>Meeting Date:</b> 9 April 2024
<b>Title of Item:</b> Greymouth IGC Programme Status Report March 2024	
<b>Report by:</b> Scott Hoare Inovo, IGC Programme Manager	
<b>Reviewed by:</b> Shanti Morgan, Acting Infrastructure Manager	
<b>Public excluded?</b> No	

### Report Purpose

The purpose of this report is to receive the Greymouth IGC Mawhera Quay Project Status Report for March 2024.

### Report Summary

The report presents an update on the progress of the project including review of Tenders and award of contract.

### Recommendations

It is recommended that the Committee resolve to receive and note the attachment to the report.

### Issues and Discussion

### Considerations

#### Implications/Risks

The 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 while the scope for stages 2, 4 and 5 is reviewed.

#### 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 these matters.

#### Views of affected parties

Work is being carried out under pre-existing Consents. Formal Consultation was undertaken at the time these Consents were obtained. Informal Consultation has been completed and public notices issued.

#### Financial implications

Works have been funded from the IRG Project budgets.

#### Legal implications

There are no legal implications as a result of this report.

#### Attachments

Attachment 1: March 24 WCRC IGC Project Status Report - Greymouth

WCRC IGC PROJECT STATUS REPORT

# GREYMOUTH FLOOD WALLS (MAWHERA QUAY)



WEST COAST REGIONAL COUNCIL  
ISSUE 15 - 28 MARCH 2024



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## QUALITY ASSURANCE

PREPARED BY	Mike Murray	Senior Project Manager	28 March 2024	
REVIEWED / APPROVED BY	Scott Hoare	Programme Manager	28 March 2024	



## 1. PROJECT STRUCTURE

Reporting Month Ending	31/03/2024
Project Sponsor	Darryl Lew, CEO
Senior Responsible Officer	Shanti Morgan, Acting Infrastructure Manager
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	5/03/2024	Next Infrastructure Governance Committee Meeting	9/04/2024
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## 3. R.A.G (RED, AMBER, GREEN) STATUS

Category	Previous Month	Current Month	Commentary
<b>Overall</b>			Construction for stages 1 and 3 is commencing on 2 April 2024. 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.
<b>Trend</b>		→	No change.
<b>Budget</b>			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.
<b>Scope</b>			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.
<b>Resource</b>			No resource concerns at this stage.
<b>Schedule</b>			Project schedule is confirmed and work is commencing on 2 April 2024
<b>Risks/ Issues</b>			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



## 7. 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	28-Jun-24		Stages 1 & 3

## 8. 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.

## 9. 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-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-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.	Current Westpower plans include changing to underground cabling across roads that had not been anticipated. Negotiation to be undertaken.
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-04		Scope of works	Scope increases	Increased cost	Project Manager	Unresolved	Low	No Change	Approve variations when requested.	Forecast expenditure and apply for variations.

ID #	Date last Reviewed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
G-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.

## 10. 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 TTP	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					

## 11. 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					

## 12. 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



### 13. 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	Meeting held 8 Feb 2024 to confirm stages 1 and 3 proceeding. GDC requested late change to one accessway. GDC have been advised of work commencing, and have approved submitted TMP's
Grey Heritage Trust	Meeting held 21 February, 2024.

### 14. HEALTH AND SAFETY

Traffic and Construction Management plans have been submitted., work is commencing 2 April 2024.

<b>Report to:</b> Infrastructure Governance Committee	<b>Meeting Date:</b> 9 April 2024
<b>Title of Item:</b> Hokitika IGC Programme Status Report March 2024	
<b>Report by:</b> Scott Hoare Inovo, IGC Programme Manager	
<b>Reviewed by:</b> Shanti Morgan , Acting Infrastructure Manager	
<b>Public excluded?</b> No	

### Report Purpose

The purpose of this report is to receive the Hokitika River Walls IGC Project Status Report for March 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, planning for Stage 3.

### Recommendations

It is recommended that the Committee resolve to receive and note the attachment to the report.

### Issues and Discussion

### Considerations

#### Implications/Risks

There is a risk of further delays to the resource consent for stage 1B due to resolving feedback from KiwiRail. Most queries are now resolved with only some minor Stormwater queries to close out.

#### 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.

#### Views of affected parties

Consultation with KiwiRail is ongoing. Affected Party Approval been received from Waka Kotahi.

#### Financial implications

Works have been funded from the IRG Project budgets.

#### Legal implications

There are no legal implications as a result of this report.

#### Attachments

Attachment 1: March 24 WCRC IGC Project Status Report - Hokitika River Walls

WCRC IGC PROJECT STATUS REPORT

# HOKITIKA RIVER FLOOD WALLS



WEST COAST REGIONAL COUNCIL  
ISSUE 14 - 28 MARCH 2024



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## QUALITY ASSURANCE

PREPARED BY	Mike Murray	Senior Project Manager	28 March 2024	
REVIEWED / APPROVED BY	Scott Hoare	Programme Manager	28 March 2024	

## 1. PROJECT STRUCTURE

Reporting Month Ending	31/03/2024
Project Sponsor	Darryl Lew, CEO
Senior Responsible Officer	Shanti Morgan, Acting Infrastructure Manager
Benefit Owner(s)	Hokitika Community Rating Zone
IRG Programme Manager	Scott Hoare
Council Project Manager	Kent Jacobsen
IRG Project Manager	Mike Murray (River Walls)

## 2. INFRASTRUCTURE GOVERNANCE COMMITTEE MEETINGS

Last Infrastructure Governance Committee Meeting	5/03/2024	Next Infrastructure Governance Committee Meeting	9/04/2024
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## 3. R.A.G (RED, AMBER, GREEN) STATUS

Category	Previous Month	Current Month	Commentary
<b>Overall</b>			Project is generally tracking ok but continual monitoring of budget and consenting risk is required.
<b>Trend</b>		→	No change this month.
<b>Budget</b>			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.
<b>Scope</b>			Scope is well defined for stage 1A and 1B. Concepts and estimates are being prepared for stages 2 and 3 to inform decision on priority for stage 2 and 3.
<b>Resource</b>			No resource issues at this time.
<b>Schedule</b>			Project schedule is to be revised once Kiwirail queries resolved and Proposal for Stage 3 suitability investigation received
<b>Risks/ Issues</b>			Conformation of stage 2/3 priority, further consultation with KiwiRail for stage 1B is required.

## 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"> <li>Stage 1B Resource Consent consultation with Kiwirail continuing. Queries now mostly resolved with only some minor additional Stormwater questions to close out.</li> </ul>	<ul style="list-style-type: none"> <li>Completion of Resource Consent for Stage 1B.</li> <li>Execute Stage 1B Contract and commence Construction.</li> <li>Obtain fee proposal and commence condition assessment of existing Stage 3 bank.</li> </ul>
<b>Total Project</b>	
▪	
<b>Current Tasks and Decisions</b>	
▪	

## 6. HIGH LEVEL ROADMAP

Project Name	FY 2022/23				FY 2023/24				FY 2024/25	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
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 and budgeting								█	█	

## 7. 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		Application lodged 18/8/23
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	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.

## 8. CONSENTS

Retrospective Consent for Stage 1A granted 21/7/23. WDC have requested application for District Consent for vegetation removal. This was lodged 23/8/23.

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

- Response to Kiwirail RFI was provided 5 March, and response from Kiwirail received 25 March. Most items now resolved with only some stormwater queries to be closed out.

## 9. 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	No Change	Provide support and input when required.	Most approvals now received, follow up remaining and if needed amend Consent application to limited notified
HR-RIS-02		Existing Infrastructure	Upgrades may require relocation of power poles and have effect on adjacent roading network and stormwater system.	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.
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,	Increased cost	Project Manager	Unresolved	Low	No Change	Approve variations when requested.	Forecast expenditure and apply for variations.

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

## 10. 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

## 11. 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

## 12. IWI / HAPŪ / WHĀNAU

Partnership / Relationship	Notes
Philippa Lynch / Susan Aitken	<ul style="list-style-type: none"> <li>Affected Party Approval provided for Stage 1A.</li> <li>CIA provided for 1B, sediment control and plating plans to be reviewed prior to providing Affected Party Approval.</li> <li>Stage 2/3 Cultural Impact Assessment to be discussed once priority established.</li> </ul>

## 13. 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.
Kiwirail	Response to Kiwirail RFI was provided 5 March, and response from Kiwirail received 25 March. Most items now resolved with only some stormwater queries to be closed out
Ngati Waewae	Stage 1B CIA provided 25 September 2023. Site visit being held 21 Feb 2024 to review extent of clearance prior to providing Affected Party Approval
Waka Kotahi	Waka Kotahi affected party approval received 4 December 2023

## 14. 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, and 12 (all inclusive)** due to privacy and commercial sensitivity reasons and that:*

1. *Darryl Lew, Shanti Morgan 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.*

<b>Item No</b>	<b>General Subject of each matter to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Ground(s) under section 7 of LGOIMA for the passing of this resolution</b>
11.1	Confidential Minutes Infrastructure Governance Committee Meeting – 5 March 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)).
11.2	Confidential Minutes Extraordinary Infrastructure Governance Committee Meeting – 8 February 2024	The item contains information relating to commercial matters	To protect commercial information s7(2)(b)).
12.1	Franz Josef IGC Financial Update Report January 2024	The item contains information relating to commercial matters	To protect commercial information s7(2)(b)).
12.2	Greymouth IGC Financial Update Report January 2024	The item contains information relating to commercial matters	To protect commercial information s7(2)(b)).
12.3	Hokitika IGC Financial Update Report January 2024	The item contains information relating to commercial matters	To protect commercial information s7(2)(b)).