Committee Members

Chair: Frank Dooley Cr Andy Campbell Cr Brett Cummings Cr Peter Haddock Cr Peter Ewen Cr Mark McIntyre



PUBLIC COPY

Meeting of Infrastructure Governance Committee (Te Huinga Tu)

Tuesday, 4 June 2024

Following the completion of the Resource Management Committee Meeting

West Coast Regional Council Chambers, 388 Main South Road,

Greymouth

and

Live Streamed via Council's Facebook Page:

https://www.facebook.com/WestCoastRegionalCouncil

Infrastructure Governance Committee Meeting

(Te Huinga Tu)

AGENDA

(Rarangi Take)

		Pg No.
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 (Whakau korero)	1
	5.1 Minutes of Infrastructure Governance Committee Meeting7 May 2024Matters Arising	2
6.	Actions List	10
7.	Chairs Report (verbal update)	
8.	Operations Reports	14 -32
	8.1 Monthly Catchment Management Report	14

	8.2	Asset Management Strategy	24
		8.3.1 Risk Types - IIMM	
9.	IRG R	Reports	33 - 66
	9.1	Franz Josef IGC Project Status Report May 2024 9.1.1 May 2024 WCRC IGC Project Status Report – Franz Josef	33
	9.2	Greymouth IGC Project Status Report May 2024 9.2.1 May 2024 WCRC IGC Project Status Report – Greymouth	46
	9.3	Hokitika River Walls IGC Project Status Report May 2024 9.3.1 May 2024 WCRC IGC Project Status Report – Hokitika River Walls	56
10.	Gene	eral Business	
PUBI	LIC EXC	CLUDED BUSINESS	
11.	Conf	firmation of Public Excluded Minutes	
	11.1	Minutes of Infrastructure Governance Committee Meeting 7 May 2024 Matters arising	
12.	Actio	ons List	
13.	Oper	rations Reports	
	13.1	Quarry Operations Monthly Report 13.1.1 WCRC Quarries 2024	
	13.2	Greymouth IGC Programme Status Report May 2024 13.2.1 May 2024 WCRC IGC Project Status Report –	

Greymouth - Financials

13.3 Hokitika IGC Programme Status Report May 2024
 13.3.1 May 2024 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.

Health and Safety Emergency Procedure

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If you require assistance to exit, please see a staff member. Once you reach the bottom of the stairs make your way to the assembly point at the grassed area at the front of the building. Staff will guide you to an alternative route if necessary. Minutes of Infrastructure Governance Committee

Meeting 7 May 2024

Author Sarah Tripathi, Governance Advisor

Authorizer Jo Field, Group Manager Office of the CE

Public Excluded No

Report Purpose

The purpose of this report is to receive the minutes of the Infrastructure Governance Committee meeting of 7 May 2024.

Recommendations

It is recommended that Council resolves to:

1. Confirm that the minutes of the Infrastructure Governance Committee meeting held on 7 May 2024 are a true and correct record.

Attachments

Attachment 1: Minutes of the Infrastructure Governance Committee meeting

held on 7 May 2024.

THE WEST COAST REGIONAL COUNCIL

MINUTES OF THE INFRASTRUCTURE GOVERNANCE COMMITTEE MEETING HELD ON 7 MAY 2024 AT THE OFFICES OF THE WEST COAST REGIONAL COUNCIL 388 MAIN SOUTH ROAD, GREYMOUTH COMMENCING AT 1.56PM

PRESENT:

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

IN ATTENDANCE:

D. Lew (Chief Executive), F. Tumahai (Te Rūnanga o Ngāti Waewae), S. Morgan (Operations Manager), Jo Field (Group Manager Office of the CE), R. Barrow (EA to the Chief Executive), A. Pendergrast (Acting Corporate Services Manager), 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 Mark McIntyre.

Moved (Haddock/ Ewen) that the apology from Cr M McIntyre be received.

Carried

3. Declarations of Interest

The Chair called for any declarations of interest and declared an interest related to the Greymouth Floodwall and Franz Josef. Cr Campbell also declared interest relating 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 9 April 2024

The Chair called for any corrections to the minutes 9 April 2024 meeting. There were none.

Moved (Cummings/ Campbell) that after the corrections the minutes of 9 April 2024 are a true and correct 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 Completed. To be deleted.
- Item 5 Completed. To be deleted.
- Item 6 Ongoing, partially completed.
- Item 7 Ongoing.
- Item 8 Completed. To be deleted. To be recirculated.
- Item 9 Ongoing.
- Item 10 Completed. To be deleted.
- Item 11 Ongoing. Once it's completed as part of the rating district, to be deleted.
- Item 12 Completed. To be deleted.
- Item 13 Completed. To be deleted.
- Item 14 Completed. To be deleted.

It was noted that item 14 was to be deleted from the actions list but a report update was to be provided to the Council on the action item in June meeting of IGC.

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

Carried

7. Chairs Report

The Chair acknowledged the Catchment Management Report, commending the staff's dedication and commitment to addressing the adverse weather event both before and after its occurrence. The importance of the post-event follow-up and the lessons learned was highlighted. The Chair expressed gratitude to S. Morgan and the team for their efforts.

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

Carried

8. Reports

8.1 Monthly Catchment Management Report

S Morgan spoke to the report and took the report as read. The report outlined the operations team's activities over the past month.

Key discussions -

- Organized and hosted annual Rating Districts meetings, supporting 23 Rating Districts.
- Prepared for works in Wanganui Rating Districts and Franz Josef.
- Responded to significant rainfall event in South Westland, assessing damage to flood protection assets.
- Conducted post-flood response work in Franz Josef, Wanganui, and Hokitika.
- Brief update on the Westport flood scheme.

The CE noted that, while the event was not of significant magnitude, its duration and similar events generally disrupted the team for a week. The staff lacked resilience in that area, causing delays in regular operations.

It was further noted that landowner consultations needed to be managed carefully, with constituent Councillors involved in the process.

The Chair expressed satisfaction with the WSP Consultation report and noted ongoing work to mitigate flood levels at the Buller SH67 Bridge. It was also noted that the Westport Joint Committee meeting was scheduled for 22 May 2024, with a detailed report on works and capital in progress.

The Chair noted the need for consistent messaging at Westport between WCRC and BDC. For the 22 May 2024 meeting, messages needed to be clear, consistent, and adhered to by all, especially the Resilient Steering Group Committee members.

The Chair thanked Cr. Cummings for chairing the Buller and Punakaiki meetings. It was noted that 13 meetings were completed, with the Hokitika south side meeting added to the schedule.

It was noted that the Council needed to allocate time and funds for independent condition assessments of all flood protection assets. This would address concerns raised by external auditors and create a work schedule to ensure the integrity of these structures, as outlined in the infrastructure policy.

It was noted that the CE was working with the Asset Management Specialist to prepare a paper for the June Council meeting, consolidating legal advice and audit-related matters to establish a forward plan. Additionally, it was anticipated that government criteria for new flood work funding under Deluge Tranche 2 would likely be tied to modern asset management practices. Furthermore, the CE was asked to lead the river managers special interest group, representing the regional chief executives' national collective under Te Uru Kahika. The aim was to establish a nationally consistent asset management framework for all the regional councils, with work already underway. Once completed, this framework would be publicly available on a centralized website for all councils, aligning with the ministerial criteria of Deluge/Trance 2. It was also noted that starting from the next Committee meeting, there would be progress updates on the project, ensuring consistent advancement with all river managers' groups across regional councils nationwide.

It was further noted that the Council lacked an agreed-upon system and criteria for condition assessment, hindering engineers' ability to effectively collect and utilize data.

The Chair congratulated the CE on the assignment and expressed satisfaction that henceforth, a paper updating the Committee on the progress of the independent condition assessment would be presented regularly.

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

Carried

8.2 Monthly Quarry Report

S. Morgan addressed the report, noting that based on Committee feedback, the rock and rubble status and requirements were included. Updates were provided on Kiwi Quarry, Inchbonnie Quarry, Camelback Quarry, and Okuru Quarry.

It was noted that the Council had obtained authorization to access and operate Okuru Quarry. The Quarry Manager will solicit quotes from approved contractors in accordance with procurement policy procedures for Okuru Quarry.

Regarding Kiwi Quarry, the Quarry Manager requested time to review WSP's recommendations in their report (page 40 of the agenda). Further updates would be provided in the next month meeting. The Quarry Manager had identified the pathway forward in terms of implementing the recommendations and minimizing risk for the Council.

The Chair asked the General Manager of Catchments to gather feedback on the subsurface risk at Kiwi Quarry, as discussed. It was noted that the Quarry Manager would confer with Cr. Ewen to understand his concerns and collaborate with WSP to address the risks in a report, to be presented at the June 2024 Committee meeting.

Camelback Quarry walking route was discussed briefly, and it was noted that S Morgan will bring an update on this in June 2024 meeting.

Additionally, it was mentioned that S. Morgan would provide clarification to Cr. Haddock regarding the work at Inchbonnie Quarry to crush waste rock for aggregate at \$2.00 per ton.

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

Carried

8.3 **09th to 12th April 2024 Flood Event Report**

It was noted that the report was well written and there was no further discussion on the report.

Moved (Haddock/ Cummings) that the Committee receives the report.

Carried

8.4 18th to 20th January 2024 Flood Event Report

There was no discussion on the report.

The Councillors expressed their gratitude to S Warren and team for the well written reports.

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

Carried

9. IRG Projects

9.1 Franz Josef IGC Programme Status Report April 2024

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

<u>Key discussions</u> -

• Completed above ground rock armouring on the Havil Wall.

- Investigation and agreement to toe rock along chainage 100 to 350 of Havil Wall to 5m.
- The contractor demobilized from the site prior to the recent weather event, allowing for confirmation of the Havil Wall Toe rock, diversion bund. Agreement was reached to proceed with work within the Heliport to Church Bank section.
- The Council was in an RMA process with WDC as the consent authority. WDC missed the deadline to provide a resource consent application for construction done under emergency provisions. They also failed to respond within 20 working days and didn't follow the Council's design. Agreement was made to address technical requirements, but the process is still pending. The CE noted to follow up with an email update from the Compliance team.

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

Carried

9.2 Greymouth IGC Programme Status Report April 2024

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

Key discussions -

- Work delayed by a couple of issues in relation to some assisting services.
- CCTV of existing stormwater requested by WCRC completed.
- Going ahead with Stage 1 and 3. The remaining stages to be reviewed. Discussions to be had with Kanoa in terms of second part of funding.

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

Carried

9.3 Hokitika IGC Programme Status Report April 2024

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

Key discussion -

- Stage 1B verbal confirmation from KiwiRail that we have passed on all the queries in relation to the Stage 1B. Awaiting written confirmation and with that will come set of conditions that would go in the Resource Consent.
- Commenced condition assessment of existing Stage 3 bank.

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

Carried

10. General Business

There was none.

PUBLIC EXCLUDED BUSINESS

Moved (Dooley/ Ewen) that:

1. the public be excluded from the following parts of the proceedings of this meeting, namely – **agenda items 11 and 12 (inclusive)**

Item No	General Subject of each matter to be considered	Reason for passing this resolution in	Ground(s) under section 7 of LGOIMA for
		relation to each matter	the passing of this resolution
11.1	Confidential	The item	To protect
	Minutes	contains	commercial and
	Infrastructure	information	private
	Governance	relating to	information and
	Committee	commercial,	to prevent
	Meeting	privacy and	disclosure of
	- 9 April 2024	security matters	information for
			improper gain or
			advantage
			(s7(2)(a),
			s7(2)(b), and
			s7(2)(j)).
12.1	Franz Josef IGC	The item	To protect
	Financial Update	contains	commercial
	Report April 2024	information	information
		relating to	s7(2)(b)).
		commercial	
		matters.	
12.2	Greymouth IGC	The item	To protect
	Financial Update	contains	commercial
	Report April 2024	information	

		relating to	information
		commercial	s7(2)(b)).
		matters	
12.3	Hokitika IGC	The item	To protect
	Financial Update	contains	commercial
	Report April 2024	information	information
		relating to	s7(2)(b)).
		commercial	
		matters	

and that

- 2. Darryl Lew, Shanti Morgan, Jo Field 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 2.59pm.
Chair
Date

6 Actions List

Author Sarah Tripathi, Governance Advisor

Authorizer Darryl Lew, Chief Executive

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.	7 May 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.	7 May 2024	Orphan asset review.	Acting Infrastructure Manager	To be completed by July 2024.
3.	7 May 2024	To report back to the Councillors regarding the definite cost of the Asset Management Information System project.	IT Manager	Ongoing. This would be updated prior to 30 June 2024.
4.	7 May 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

Item	Date of	Item	Officer	Update
No.	Meeting			
5.	7 May 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.
6.	7 May 2024	To investigate the details about the funding availability for Wanganui and clarify on the status.	Area Engineer	This is being confirmed with finance and will be provided to the rating district during the annual meeting.
7.	7 May 2024	To prepare a paper for the June Council meeting on asset management report consolidating legal advice and audit-related matters to establish a forward plan.	CE	Agenda item – Asset Management Strategy
8.	7 May 2024	To update the Committee on the progress of the project of Rivers Managers Special Interest Group. The aim was to establish a nationally consistent asset management framework for all the regional councils, with work already underway. Once completed, this framework would be publicly available on a centralized website for all councils, aligning with the ministerial criteria of Deluge/Trance 2.	CE	Agenda item – Asset Management Strategy.
9.	7 May 2024	Quarry Manager would confer with Cr. Ewen to understand his concerns and collaborate with	Quarry Manager	Agenda item – Quarry Report.

Item No.	Date of Meeting	Item	Officer	Update
NO.	Meeting	WSP to address the risks in a report, to be presented at the June 2024 Committee meeting.		
10.	7 May 2024	To bring update on the Camelback Quarry walking route in June 2024 meeting.	Acting Infrastructure Manager	This is still being worked through with DOC. Not new updates.
11.	7 May 2024	To update Councillors regarding the work at Inchbonnie Quarry to crush waste rock for aggregate at \$2.00 per T.	Acting Infrastructure Manager	Completed. Email sent May 15 to the Councilors explaining this query, also in quarry report (June)
12.	7 May 2024	To email an update on the Havil Wall RMA process with WDC to the Councillors after getting an update from the Compliance team.	Group Manager Regulatory & Policy	Ongoing.

8. REPORTS

8.1 Monthly Catchment Management Report

Author Shanti Morgan, Acting General Manager Catchments;

Paulette Birchfield, Northern Area Engineer; Jordan Mandery, Construction Engineer; Sharon Hornblow,

Natural Hazards Analyst

Authorizer Darryl Lew, Chief Executive

Public No

Excluded

Report Purpose

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

Report Summary

This month the Catchment Management team have focused on organising and hosting the annual rating district meetings, managing capital works projects including Westport and progressing scheme maintenance projects in the Punakaiki Rating districts.

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 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 delivery annual meetings across the WCRCs 23 rating districts and have completed fifteen.

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

1. Supporting our Rating districts

Punakaiki Rating District

The Southern Area Engineer has identified maintenance work required on the punakaiki seawall.

Toe rock has been impacted by wave impact and requires approximately 800 tonnes of armour rock to be placed in discrete sections along the batter slope, as well as quarry waste to retain crest material. This will be reviewed by the WCRC chief engineer prior to going to market.

The work will be tendered through a request for quote (RFQ) which will be advertised on the open market on GETS and work is expected to start in June 2024. The work will be awarded based on the lowest price conforming.

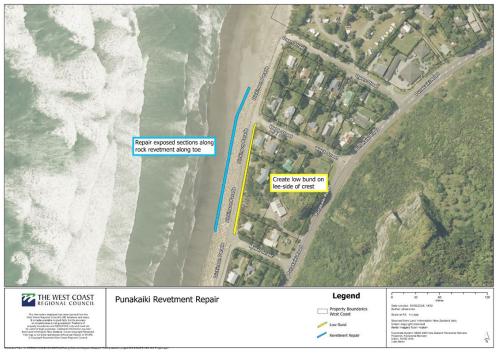


Figure 1: Punakaiki seawall repair work

2. Capital projects

A) Westport Flood Scheme Update

Project planning is underway with staff procuring physical works for Cats Creek, there are only two contractors that can undertake this work within project timeframes due to a requirement to access the rail corridor. We have determined that consent is not required for the works as no rules are triggered under the land and water plans, BDC plans. Kiwirial are currently working with surveyors on the land occupation grant for the new asset. Once we have the grant, and obtained the pricing we will be set to begin works.

The McKenna stopbank is current in the detailed design phase, the proposed stopbank is being modelled to check its stability during a flood event to the Bay of Plenty Regional Council stopbank design and construction guidelines, one of the anticipated outcomes of this modelling will be that either a silt overlay or core will be needed to reduce the overall quantity of water permeating through the gravels, we are proactively looking at source material to construct the overlay and/or core – the requirements are a nondispersive silt/clay with a low permeability that can restrict the flow of water in flood events.

Parallel with the above, progress has been made on the Avery's floating lagoon part of the scheme with tree clearing set to begin in the coming months in anticipation of topping up the existing bank where vulnerabilities have been identified during the 2021 flood event, this is in the preliminary stages of scoping and consultation with adjacent landowners.

2. Rating District Meetings

Rating district meetings are being rolled out over the next three months. The catchment team have successfully delivered eight over the past month, 15 in total and dates for all 23 have been set (Table 1)

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
Redjacks	15-May-24	Brett Cummings	Complete
Westport JC	22-May-24	Independent chair	Complete
Neils Beach	29-May-24	Andy Campbell	On Track
Okuru	29-May-24	Andy Campbell	On Track
Matanui	30-May-24	Andy Campbell	On Track
Waitangitaona	30-May-24	Andy Campbell	On Track
Whataroa	30-May-24	Andy Campbell	On Track
Hokitika South	18-June-24	TBC	On Track
Greymouth JC	27-Jun-24	TBC	On Track
Wanganui	20-Jun-24	TBC	On Track

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

Natural Hazards

Natural hazards data held by West Coast Regional Council is currently being reviewed and data and reports which have been through a peer review and response process are being shared formally with our TAs.

Coastal hazard inundation and erosion modelling, completed by NIWA in support of the TTPP natural hazard overlays, was formally released to District councils in the past month for their use and dissemination in internal processes.

Several other hazard mapping and modelling natural hazard datasets relating to river, landslide, and seismic hazards (Table 3) are to be formally discharge following the same process over the coming months. The catchments team will follow a process which includes data peer review, natural hazard communication and formal data release.

The West Coast Regional council also ensures Natural Hazard data is available publicly by uploading reports that accompany data sets. The Natural Hazard data public available is presented in table 2.

The West Coast Regional Council does not currently have a fit-for-purpose publicly available geospatial viewing platform and therefore geospatial datasets are only available by request (Table 3). The need and associated cost and timelines for developing a Natural Hazards geospatial viewing platform is being undertaken by the senior leadership team. However, GIS infrastructure is being worked on as a priority to ensure a sound foundation is built prior to developing GIS project work.

PUBLICLY AVAILABLE	
NATURAL HAZARD REPORTS Reports on New Zealand	Integrated Tsunami Modelling with Land Use Planning GNS 2011.pdf (PDF, 1.4MB)
	Maori Enviroment Knowledge - Natural Hazards King and Goff GNS Client Report 2006.pdf (PDF, 1.6MB)
	MEK Oral Tradition Benefit Abstract King and Goff NHESS 2010.pdf (PDF, 548.9KB)
	NIWA Coastal Research Learning from the Past 2006.pdf (PDF, 1MB)
	Proxy tools for past tsunami ID Chague-goff et al ESR 2011.pdf (PDF, $3.6MB$)
	Rates of Coastal Erosion and Accretion in NZ JG Gibb 1978.pdf (PDF, 2MB)
	Tsunamis in the NZ Archaeological Record McFadgen and Goff 2007.pdf (PDF, 1.7MB)
Reports on the West Coast	2021_BECA_WC Regional Liquefaction Assessment.pdf (PDF, 176.1MB)
	A Chronology of Flooding on the West Coast 1846 - 1990 J Benn 1990.pdf (PDF, 8.1MB)
	Assessing Tsunami Hazards New Zealand Coast Walters Goff.pdf (PDF, 2.2MB)
	Catastrophic Events Goff.pdf (PDF, 788.5KB)
	Coastal Communities Hazard Mitigation T Hume 2007.pdf (PDF, 112.5KB)
	Coastal Hazards in West Coast Region Benn and Neale 1992.pdf (PDF, 6.1MB)

Community Involvement Paper T Hume NIWA 2007.pdf (PDF, 86KB)

Differential Uplift of the Shoreline NW Sth Island P Suggate 1992.pdf (PDF, 1.1MB)

Distribution of Landslides Southwest NZ O Korup 2005.pdf (PDF, 814.7KB)

Effects of Large Deep-Seated Landslides SW NZ O Korup 2006.pdf (PDF, 5.9MB)

Fluvial Response to Large Rock-Slope Failures Southern Alps O Korup and others.pdf (PDF, 1.8MB)

Lagoon Subsidence and Tsunami on the West Coast Nichol, Goff and others 2006.pdf (PDF, 2.4MB)

Landslide Susceptibility Report 2010 K England.pdf (PDF, 1.2MB)

Landslide-induced river channel avulsions mountainous catchments South West NZ O Korup 2004.pdf (PDF, 1.8MB)

Large landslides and their effect on sediment flux in river systems O Korup 2005.pdf (PDF, 1.6MB)

Mineral Resource Assessment West Coast Region 2010.pdf (PDF, 6MB)

West Coast Dam Inventory and Potential Hazard Ratings J. L. Benn June 1993 (PDF, 61.9MB)

NZTA Highway Management Planning 2009.pdf (PDF, 3.1MB)

Offshore Exploration Beggs and Co 2000.pdf (PDF, 225.7KB)

Offshore Faults Study 2013.pdf (PDF, 2.2MB)

Offshore Faults Summary.docx (DOCX, 26.5KB)

Offshore Potential.pdf (PDF, 282.8KB)

Principles of sustainable development on fans T Davies and M McSaveney 2008.pdf (PDF, 648.6KB)

Report on West Coast Weather Event 27 and 28 December 2010.pdf (PDF, 6.1MB)

Report on West Coast Weather Event Ex Tropical Cyclone Ita.pdf (PDF, 6MB)

Response to Landslide Dam Failures J Becker and Others 2007.pdf (PDF, 321.1KB)

Review West Coast Regional Coastal Hazard Areas August 2012.pdf (PDF, 6.1MB)

Sediment Generation and Landslides Korup, McSaveney Davies 2004.pdf (PDF, 1.4MB)

West Coast Excerpts Hostile Shores B McFadgen 2008.pdf (PDF, 7.1MB)

West Coast Flooding Sept 1988 Disaster Recovery Report.pdf (PDF, 3.3MB)

West Coast River Flood History 1846 - 1989 J Benn 1990.pdf (PDF, 494.2KB)

West Coast Shelf Geology Norris 1978.pdf (PDF, 3.3MB)

Reports on the Alpine Fault

Buller District Council Lifeline Study June 2006.pdf (PDF, 6.8MB)

Do Great Earthquakes Occur on the Alpine Fault R R Sutherland 2006.pdf (PDF, 407.1KB)

Grey District Council Lifelines Study Dec 2007.pdf (PDF, 7MB)

Hot Springs Alpine Fault D Craw 1997.pdf (PDF, 1.7MB)

	Large Earthquakes and Abandonment of 15th Century Coastal Settlements Goff and McFadgen 2003.pdf (PDF, 902.2KB)
	Mapping and fault rupture avoidance zonation for the Alpine Fault in the West Coast region R Langridge April 2010.pdf (PDF, 2.4MB)
	PCEE Conference Paper on Alpine Fault.pdf (PDF, 4.2MB)
	Probablility and Consequences of next Alpine Fault EQC 95-193 Yetton 1998.pdf (PDF, 14.6MB)
	Summary Regional Lifeline Studies June 2006.pdf (PDF, 1.3MB)
	Westland District Council Lifelines Study June 2006.pdf (PDF, 7MB)
Reports on Buller District	Buller River Detailed Options Assessment.pdf (PDF, 19MB)
	Liquefaction in Buller Region 1929 and 1969 Berrill and others.pdf (PDF, 2.2MB)
	Liquefaction Records for Buller District to March 2011.pdf (PDF, 5.7MB)
Karamea	Karamea Floodplain Investigation NIWA 2010.pdf (PDF, 5.8MB)
	Niwa Report on Karamea River Mouth Location.pdf (PDF, 1.3MB)
Granity, Ngakawau and Hector	Coastal Erosion WCRC Granity, Ngakawau and Hector.pdf (PDF, 4.3MB)
	Granity Coastal Management NIWA 2006.pdf (PDF, 1.8MB)
	Granity,Ngakawau and Hector addition information NIWA Dec 2016.pdf
	(PDF, 1.1MB)
	Hector Ngakawau Coastal Report NIWA 2007.pdf (PDF, 2MB)
	The influence of structures on erosion of the north bank of the Mokihinui River mouth NIWA 2019.pdf (PDF, 3.7MB)
Westport	Buller River - Updated Modelling 2017_1.pdf (PDF, 16.1MB)
	Buller River Detailed Options Assessment.pdf (PDF, 19MB)
	Buller River Modelling Report Final Version - July 2015.pdf (PDF, 11.1MB)
	Carters Beach Erosion Review for Buller District Council Ocel Consultants 2006.pdf (PDF, 1.5MB)
	Geol of Ilmenite bearing Deposits Westport Abstract McPherson 1978.pdf (PDF, 309.6KB)
	Harbour Entrance morphology sediments Westport Kirk and others 1986.pdf (PDF, 848.6KB)
	Managing and adapting to coastal erosion at Carters Beach - Niwa Report 2017.pdf (PDF, 3.1MB)
	Orowaiti Cut (Westport Flood Protection) - Niwa recommendation May 2015.pdf (PDF, 846.5KB)
	Prelim Flood Study Connell Wagner Ltd Aug 2000 .pdf (PDF, 1.9MB)
	Westport - flood forecasting roadmap for evacuation warnings 2019.pdf (PDF, 2.7MB)
	Westport Earthquakes Jan - Feb 1991.pdf (PDF, 3.8MB)
	Westport Harbour FW Furkert RSNZ 1946.pdf (PDF, 2.1MB)
	Westport Options Report (PDF, 8MB)
	Westport Options Report Appendices A-B (PDF, 27.7MB)
	Westport Options Report_Appendices C-D.pdf (PDF, 28.7MB)
	Westport Options Report_Appendices E-G.pdf (PDF, 13.1MB)

Punakaiki	Coastal Erosion Punakaiki Village DOC Rpt by R Kirk 1988.pdf (PDF, 2.6MB)
	NIWA Report Punakaiki FINALI DR 2006.pdf (PDF, 903.1KB)
	Punakaiki Rockfall Study for BDC URS 2003.pdf (PDF, 10MB)
	Coastal Dynamics and Sedimentation Pt Elizabeth area J Pfahlert 1984.pdf
Rapahoe	(PDF, 1.6MB)
	Historic Shoreline Change Geomorphology Rapahoe Theseis R Ishikawa 2008.pdf (PDF, 10MB)
	Managing coastal erosion on West Coast Rapahoe DRamsay NIWA
	2006.pdf (PDF, 2.3MB)
	Rapahoe Coastal Erosion - Niwa Report 2017.pdf (PDF, 1.2MB)
	Shore Protection Options Rapahoe Bch D Neale DOC 1999.pdf (PDF, 6.7MB)
Greymouth	Cobden Beach Coastal Erosion - Niwa Report 2017.pdf (PDF, 1.3MB)
	Cobden Lagoon and Range Creek flood management review - NIWA 2017.pdf (PDF, 2.2MB)
	Effects Beach Gravel Mining Greymouth DOC Client Report J Benn and D Todd 2003.pdf (PDF, 3.3MB)
	Grey Floodwall Upgrade Design Geotech Report Riley Consultants 2009.pdf (PDF, 7.9MB)
	Grey River Hydraulic Review etc CH Modelling 3 Sept 2002.pdf (PDF, 3.9MB)
	Major Flood Events in Greymouth NZ 1862 - 1988 J Benn.doc.pdf (PDF, 1.4MB)
	New River Drainage J Soons 2001.pdf (PDF, 3.7MB)
	Paroa Rivermouth Situation Report G Smart June 2010.pdf (PDF, 789.3KB)
	Tidal and flood influence on water level in Grey Lagoon 965-WCRC86 NIWA 2011.pdf (PDF, 1.1MB)
Hokitika	2020_LRS_Hokitika River_Hydraulic modelling and flood hazard mapping_v2-10-12-2020 optimized for web.pdf (PDF, 124.7MB)
	A Coastal Managment Plan for Hokitika J Gibb 1987 .pdf (PDF, 4.3MB)
	Appendices.pdf (PDF, 11.2MB)
	Hokitika Beach Sea Erosion Grant Application for groynes WCB 1986.pdf (PDF, 2.4MB)
	Hokitika Beachfront Sea Erosion Report Aug 1984.pdf (PDF, 3.4MB)
	Hokitika River Design Flood Levels 2010.pdf (PDF, 35.8MB)
	Impacts Stoneharvesting Hou Hou - Kaihinu Private Client Report NIWA 2003 .pdf (PDF, 1.6MB)
	Shore Erosion Hokitika and Neils Beach.pdf (PDF, 5.9MB)
Whataroa	Waitangi-taona River Scheme etc WCB Report 1980.pdf (PDF, 924KB)
Franz Josef	2019_LRS_Gardner_Waiho River_Analysis of change between 2016 and 2019 LiDar Surveys.pdf (PDF, 9.5MB)
	Appendices.pdf (PDF, 11.2MB)
	Changes in understanding etc for nat haz risk FJ J Gough 2001.pdf (PDF, 6.7MB)

	FINAL Report Franz Josef - Waiau FAZ 2011.pdf (PDF, 1.8MB)
	Franz Josef Natural Hazards Options Assessment and Cost Benefit Analysis.pdf (PDF, 24.5MB)
	GNS Final Franz Josef Report 2016.pdf (PDF, 11.7MB)
	Landslide Dam Break Risk Franz Josef T Davies 2002.pdf (PDF, 891.9KB)
	Nat Haz Assessment Franz Josef and Environs WCRC Client Report McSaveney and Davies 1998.pdf (PDF, 256.1KB)
	Tonkin and Taylor Franz Josef Natural Hazards Options Assessment and Cost Benefit Analysis.pdf (PDF, 24.5MB)
	Waiho R Fan flood management T Davies 1997.pdf (PDF, 611.7KB)
	Waiho River Flooding Risk Assessment MCDEM 2002.pdf (PDF, 409.4KB)
	Waiho River M21 Modelling Report - November 2016.pdf (PDF, 6.8MB)
	Waiho River Modelling Final Report.pdf (PDF, 3.6MB)
	2019_LRS_Gardner_Waiho River_Analysis of change between 2016 and 2019 LiDar Surveys.pdf (PDF, 9.5MB)
Haast	Haast River flood events 1947 - 57 MOW.pdf (PDF, 1.4MB)
	Knight Point publications-journals-nzjg-2006-017.pdf (PDF, 4.3MB)
Tsunamis	2014_GNS_Power_Tsunami evacuation zone boundary mapping_West Coast Region_CR_2014-307.pdf
	2021_GNS_CR2020-82 WCRC Tsunami Evacuation Zones_FINAL.pdf

Table 2: Natural Hazard data held by the WCRC that is publicly available

INTERNALLY HELD NATUTAL HAZARD DATASETS	
Name	Prepared by
2011_FENZ_Wildfire Threat Analysis	FENZ
2014_GNS_Power_Tsunami evacuation zone boundary mapping_West Coast Region	GNS
2014_LRS_Gardner_Waiho River Modelling	LRS
2015_LRS_Buller River Flood Mitigation Options Assessment	LRS
2016_GNS_Natural Hazard Assessment for the Township of Franz Josef Westland District	GNS
2016_NIWA_Rivermouth related shore erosion at Hokitika and Neils Beach Westland	NIWA
2018_LRS_Buller River Updated Hazard Mapping	LRS
2019_LRS_Gardner_Waiho River_Analysis of change between 2016 and 2019 LiDa Surveys	LRS
2020_GNS_Tsunami Project_Westport Greymouth Hokitika	GNS
2020_LRS_GREY	LRS
2020_LRS_Hokitika River Engineering	LRS
2020_LRS_Hokitika River_Hydaulic modelling and flood hazard mapping	LRS
2021_BECA_West Coast Liquefaction Susceptibility	BECA
2021_LRS_Breach_Hokitika	LRS

2021_LRS_Cobden Coastal	LRS
2021_LRS_Flood_Waiho	LRS
2021_LRS_Grey_Flood Hazard Analysis (with 2023 report)	LRS
2021_LRS_Hokitika Coastal	LRS
2021_NIWA LRS_Coastal Hazards	NIWA LRS
2022_GNS_Alpine Fault	GNS
2022_Lake Stream	-
2022_LRS_Westport Flood Hazard Modelling Update	LRS
2022_NIWA_Coastal Hazards	NIWA
2023_LRS_Grey Coastal hyrdodynamic for TTPP coastal hazard alerrt inundation overlay	
2023_LRS_Waiho River Historic and Future Management Strategies	LRS
2023_NIWA_LRS_Coastal hazards priority areas updates	NIWA LRS
2024_GNS_Landslide debris inundation	GNS
2024_LRS_Waiho Change Detection Analysis LiDAR update	LRS

Table 3: Natural Hazard datasets held by the WCRC not currently publicly available

8.2 Asset Management Strategy

Author Kelly Maynard, Senior Asset Lead

Authorizer Darryl Lew, Chief Executive

Public Excluded No

Report Purpose

To outline an approach to asset management for flood protection assets. This work will endeavour to reduce risk by improving the management of West Coast Regional Council (WCRC) Flood Protection Assets.

Report Summary

The Council recognises the need to improve its asset management practices. This improvement is aimed to minimise risks arising from its asset base and maximising the value that the Council assets contribute to the achievement of the WCRC vision, mission, values, and strategic direction.

In line with the intention of developing consistent, Council-wide asset management practices, this paper signals an intent to develop a work program for this work and provides a better structure to the Infrastructure Governance Committee for management of risk. Importantly this work seeks to build resilience, by protecting our economic, social, and cultural well-being of communities through the provision of structural flood protection assets.

Recommendations

It is recommended that Committee resolve to:

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

Issues and Discussion

Overview of WCRC Flood Protection Assets

There are approximately 1250 flood protection assets of various types in the ownership of the West Coast Regional Council. However, future catchment inspections are expected to identify additional assets not currently on the WCRC asset inventory.

This is made up of:

- 65 stopbanks and 1 floodwall totalling 66,284 metres
- 450m roads
- 1 bridge
- 2 seawalls, 2 sacrificial bunds
- 9 floodgates
- Approx.13 Stockpiles
- 16 strongheads
- 55 culverts/pipes
- 63 groynes
- 72 retards
- 88 Drains
- 188 sections of Rip Rap totalling 37,950 metres
- 621 Spurs.

Rating District asset values are between \$133,000, to \$38,000,000, totaling a replacement value of an estimated \$182m.

The number of ratable properties in Special Rating Districts range from 9 to 4077 protecting over 20,000 properties, with total Capital Value of \$11.5b.

Large capital development projects are underway in -

- Greymouth with a budgeted expenditure of \$2.6m
- Westport with a budgeted expenditure of \$23m
- Hokitika with a budgeted expenditure of \$8.2m, and
- Franz Josef with a budgeted expenditure of \$12.2m

All these capital upgrade projects will result in new or upgraded assets, which will require their valuations and asset details to be entered into the asset management system. This will also trigger the need for consideration within our insurance review that has commenced.

There is a need to review and update the Council's 21 asset management plans. Maintenance is being carried out when requested by the Rating Districts, and most often treated as reactive work. Inspections are happening sporadically or when

requested by the Rating District. An inspection regime that aligns with Asset Management Plans will be part of the proposed work program.

168 inspections have been captured since 2018/19 on Survey 123 (the Council's mobile digital capture program). 69% have been in the 2023/24. 38% have been post flooding inspections.

West Coast Regional Council levels of service and design standards require updating in some scheme's asset management plans. A consistent approach to future levels of service and climate change is now required. Te Uru Kahika is leading a nationally consistent piece of work for all the Regional Councils on asset management for flood protection assets.

Asset Maturity Assessment:

Our asset maturity assessment shows a current score of 46% towards the targeted 100%.

This assessment template was provided to all the Councils from the River Managers Special Interest Group based on the International Infrastructure Maintenance Manual for asset management best practice. The 3 areas, summarized in the table below, relate to the ISO 55000 series of Asset Management. This gives Council a view on what improvements can be made to achieve best practice levels in asset management.

Sur	nmary Results			
2	Understanding and Defining requirements	29	59	30
3	Developing Asset Management Lifecycle Strategies	26	65	39
4	Asset Management Enablers	25	54	29
	Overall score	27	58	32
% Variance from Target			54%	

The graph below shows the varience between our current score and the target score – blue line being "West Coast Regional Council" and black line being the "target score".



Background

ISO55001 Asset Management System. (ISO-International Organization for Standardization)

It is recognised that the Regional Councils across New Zealand, currently apply variable practices to their asset management of flood protection assets. Te Uru Kahika has committed to develop a consistent, nation-wide asset management system.

Accountability for assets and a greater alignment of related roles will sit appropriately with the Group Manager Catchment Management, enabling improved Council asset management.

Best practice for asset management in public and private organisations has consolidated around the ISO 55001 series. The series describes the management systems that enable the principles of contemporary asset management: value, alignment, leadership, integration, adaptability, sustainability, and assurance.

The context of asset management within an organisation as conceived by ISO 55001 is shown below.

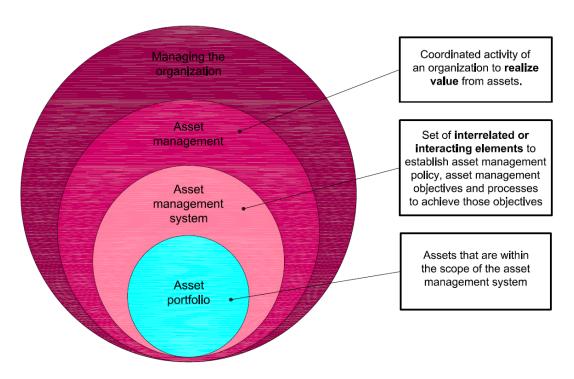


Figure 1: The relationship between asset management terms and activities.

Source: ISO 55000: Asset management – Overview, principles, and terminology; International Standards Organisation, 2014.

While WCRC is committed to developing an asset management system that is consistent with ISO 55001, at this stage this commitment does not extend to full external auditing.

The benefits of working to the principles of ISO 55001 are:

- Breaking down asset class silos by driving cross-functional communication and integration of strategic value.
- Enabling balanced, long-term governance of finances through consideration of asset life cycle maintenance and reducing short-term, reactive management.
- Giving Infrastructure Governance Committee the ability to align asset investments with strategy and regulatory requirements.
- Providing clearer, comparable information for Infrastructure Governance Committee on risk across the Council's functions as arising from these flood protection assets.

West Coast Regional Council is committed to onboarding a new asset management IT system that supports, achieving asset management best practice.

Current situation

Te Uru Kahika (TUK) - Regional and Unitary Councils Aotearoa and River Manager Special Interest group are preparing their plan towards national guidance and standards on best practice asset management. Once the plan is received, it will contribute to WCRC's proposed work program, which will be presented to the Infrastructure and Governance Committee, at this stage in July 2024. West Coast Regional Council's CE has been appointed by Regional Council CEOs to sponsor this work on behalf of all regional Councils in New Zealand.

Areas for Improvement-

The key known areas for improvement for WCRC are as follows:

- Completing a full field inspection of all assets to ensure accuracy of WCRC asset inventory including identification of "orphan assets". The work programme will also include a degree of independent auditing of this inventory.
- Commitment to regular inspection frequencies of assets to a prescribed methodology and recording system. Quarterly reporting on asset inspection and condition to Infrastructure Governance Committee. Nationally consistent inspection criteria will be an output of the TUK workplan.
- Work has commenced in identifying original design standards and current design standards for each of the West Coast schemes, which gives updated level of service.
- Asset management system matching and or/linking with financials for ease of reporting to Infrastructure Governance Committee, Joint Committees and Rating Districts.
- Development of updated asset management plans and other asset management documentation e.g., SOPs/policies/checklists.

Costs and Benefits

The key benefit of the asset management program of work will result in a higher standard of scheme maintenance. It will also have the co-benefit of reducing liability and risk of physical, legislative, and reputational failure to the Council.

The asset management system will also ensure that asset - ownership, inventory, condition, value, and insurance and where necessary depreciation will be better systematised within the Council.

All capital and operational works are delivered, effectively, efficiently and documented accurately.

This work program provides a structured approach for the development, coordination and control of activities undertaken on flood protection assets, by the organization over different life cycle stages, and for aligning these activities with the organizational strategy and Long-Term Plan.

The Asset Management Computer System is budgeted at \$390k for 2024/25.

Considerations

Implications/Risks

Understanding the risks involved with our flood protection assets is essential for being able to mitigate them. If a stop-bank or floodwall was to fail there are major consequences, to life and assets, along with financial, organisational, reputational, and legal risk if any negligence was found to contribute to the failure. As part of this programme of work a specific risk register will be developed.

See Appendix 1 for Risk types extracted from the IIMM, outlining key critical issues that this proposal incorporates.

Significance and Engagement Policy Assessment

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

Tangata whenua views

This paper has no direct effect on the Council's Treaty of Waitangi obligations. It keeps within the Mana Whakahono a~Rohe Arrangement.

Views of affected parties

Rating Districts will benefit from this asset management best practice. Consultation happens as and when required and at each yearly RD meeting. The current consultation document has the AMPs for each scheme waiting for adoption.

Financial Implications

There are financial implications to the Council's new Asset Management System-AMS through purchasing and licencing.

The budget for the purchase of the AMS is \$390,000 for 2024/25.

Legal implications

Legal requirements for this program include:

- Compliance with the Local Government Act 2002
- Compliance with the Resource Management Act in terms of consenting and compliance.

- Compliance with the Regional Pest Management Strategy.
- Extension of AMPs to a 10-year period and incorporation of specific expenditure expectations tied to risk assessments and service level projections.
- Incorporate evidence-based data to assess climate impacts on infrastructure, determining the necessary expenditures to maintain proposed service levels, and addressing potential public consultation issues.

Council has sought specialist legal advice on the asset management of the schemes. The advice is as follows:

- Council is required to have a complete inventory of all its assets.
- Council must understand the condition of its assets.
- Council understands any defects with its assets from the asset condition assessments and ensure that this is communicated.
- Council ensures frequency of inspections and maintenance aligns with published statements.
- Remedy any actions from inspections or raised concerns within a defined timeframe.
- Secure all documentation on assets in corporately retrievable system.
- There is need to exercise duty of care in respect to third party assets if asset defects are observed by communicating this to the asset owner.
- Have organizational clarity on insurance coverage and process for claims.

Attachments

Appendix 1: Risk Types - IIMM

Appendix 1

Risk = Consequence x Likelihood

Risk can be broken down further to clearly define between Planning, Management, Delivery and Physical Asset Risks as shown below. This Code of Practice only addresses Physical Asset Risks.

Figure 3: Risk Types



(Figure 2.6.4: Risk Types extracted from International Infrastructure Management Manual)

9. IRG REPORTS

9.1 Franz Josef IGC Project Status Report May 2024

Author Scott Hoare, Infrastructure Reference Group Programme

Manager

Authorizer Shanti Morgan, Acting Operations Manager

Public No.

Excluded

Report Purpose

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

Report Summary

The report presents:

- An update on the progress of the project including the completion of the Link Bank and Havil 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 is ongoing in relation to the impact on the helipads and fuel bowsers.

i

Financial implications

Current budget

\$ 12,291,463

Current expenditure

\$ 7,564,131

Future implications

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

Legal implications

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

Attachments

Attachment 1: May 2024 WCRC IGC Project Status Report - Franz Josef



WCRC IGC PROJECT STATUS REPORT

FRANZ JOSEF STAGE 1

WEST COAST REGIONAL COUNCIL ISSUE 18 - 27 MAY 2024





CONTENTS

1.	Project Structure	5
2.	Infrastructure governance committee meetings	
3.	R.A.G (Red, Amber, Green) Status	5
4.	GOVERNANCE DOCUMENTS AND RECOMMENDATIONS TO SRO / COUNCIL / KANOA	5
5.	STATE OF PLAY	6
6.	FINANCIAL SUMMARY	7
7.	HIGH LEVEL ROADMAP	7
8.	MILESTONES	8
9.	CONSENTS	8
10.	PROJECT RISKS	8
11.	PROJECT ISSUES	12
12.	Dependencies	12
13.	Iwi / Hapū / Whānau	12
14.	Partnerships / Relationship Management	13
15.	HEALTH AND SAFFTY.	13

QUALITY ASSURANCE

PREPARED BY	Nic Bell	Project Manager	27 May 2024	Bell
REVIEWED BY	Chris Hoskins	Senior Project Manager	27 May 2024	
APPROVED BY	Scott Hoare	Programme Manager	27 May 2024	Sur.



PROJECT STRUCTURE

Reporting Month Ending	27/05/2024
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	7/05/2024	Next Infrastructure Governance Committee Meeting	4/06/2024

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	\downarrow	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		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 August 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	15/09/2022	31/10/2022	Inclusion of funding for Southside emergency works within phase 1 and the first
	Works			draw down, approved by WCRC and Kanoa.
	Variation 02 - Combined	14/02/2023	28/02/2023	Slight changes to funding moving from one project to another to balance actual
	Projects			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	5/10/2023	25/10/2023	Change in funding timeline to match actual progress on site, approved by WCRC
	funding timeline			and Kanoa.



5. STATE OF PLAY

Last Month

The contractor has not remobilized back to site, before re-establishing they wanted full information around timing of Heliport works, Havil Wall Toe Rock, and Church Bank design.

Planning:

- Pricing received from Heliport Contractor to complete works within Heliport and allow for raising of stopbank,
- Instruction issued to Contractor to supply and place toe rock between chainages 50 and 320 on the Havil Wall,
- Instruction issued to Contractor to relocate stockpiled rock from toe of stopbank,
- Instruction issued to Contractor to price steeper rock and strengthened stopbank within section of Church Stopbank,
- 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,
- Additional questions received from WDC and responded to regarding vegetation clearance for the remaining North Bank works.

Design:

Additional review of Electronet Pole location on South NZTA Bank.

Total Project

- 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

- Heliport stopbank: Heliport contractor has priced the works to enable the raising of the stopbank, this is to be approved and instructed by
- Church Bank: Contractor variation for steeper rock and strengthened stopbank,
- 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, location of pole on South NZTA Bank still to be determined,
- 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,
- South NZTA Bank: Updated modelling is being undertaken to determine if this is to be included as a part of stage 1,
- DOC Land: Meeting held with DOC to discuss vegetation clearance and stopbank footprint on their land, verbal permission granted to proceed with works but requested supervision during vegetation clearing and land use agreement to be developed between WCRC and DOC.

Next Month

Havil Wall:

- Reinstatement of diversion bund,
- Supply and placement of toe rock to chainage 50 to 320.

Heliport - Church Bank:

- Mobilise Heliport Contractor to complete works within Heliport to allow for raising of stopbank,
- Construct pad for placement of Electronet Poles,
- Mobilise Electronet and Chorus to begin works on poles.

Planning:

- Obtain additional consent.
- Close out questions relating to vegetation clearance.

Design:

Confirm location of Electronet Pole on South NZTA Bank.



6. FINANCIAL SUMMARY

Financial Summary	
Current Budget	\$ 12,291,463
Current Expenditure	\$ 7, 564,131
Remaining Funds	\$ 4,727,332

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										
- Heliport - Church Bank										
- Havil 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	31-Aug-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 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.

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, they are being responded to. These questions were unexpected and are being responded to promptly to avoid delay.

10. PROJECT RISKS

ID#	Date last Review ed	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.



ID#	Date last Review ed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
FJ-RIS- 02		Existing Infrastructur e	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- 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	Work Quality	Engineer to Contract	Not Fully Resolved	Medium	No Change	Confirm monitoring plan.	Establish monitoring plan (containing rock inspection and



ID#	Date last Review ed	Short Risk Name	Source of Concern / Opportunity	Implications	Risk Owner	Governance Status	Rating	Trend	Governance Actions	Treatments / Mitigations
			meet specification or is in excess of the quantity included in the contract.							rock weighing at quarry) for rock supply/placemen t including as built documentation.
FJ-RIS- 07		Injunction of works progressing under \$330	Risk that public opposition apply for an injunction to stop the works progressing under \$330.		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 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- 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/Eng ineer to the Contract	Not Fully Resolved	Low	No Change	Review plans and on-site implementation	Contractor management plans including monitoring



ID#	Date last Review ed	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.





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 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 is finalising drawings and completing design review showing steeper rock armouring in the section.	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, in final stages of obtaining approval.	Project Manager

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-01 has been closed, the scope of works has been agreed. The project team is now working with the Heliport Contractor to mobilise and complete the works.

13. IWI / HAPŪ / WHĀNAU

Partnership / Relationship	Notes





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 Havil 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 May 2024

Author Scott Hoare, Infrastructure Reference Group Programme

Manager

Authorizer Shanti Morgan, Acting Operations Manager

Public No.

Excluded

Report Purpose

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

Unforseen ground conditions have been encountered during Construction. Addressing these has delayed construction and will have additional costs.

A shallow undocumented water pipe was uncovered 8 May 2024. The pipe is redundant and is to be capped. GDC have advised this must be done by their approved Contractor, however despite repeated requests this has yet to be completed.

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.

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

\$ 878,725

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 1: May 2024 WCRC IGC Project Status Report - Greymouth





WCRC IGC PROJECT STATUS REPORT

GREYMOUTH FLOOD WALLS (MAWHERA QUAY)

WEST COAST REGIONAL COUNCIL ISSUE 17 - 27 MAY 2024







CONTENTS

1.	Project Structure	5
2.	Infrastructure governance committee meetings	
3.	R.A.G (Red, Amber, Green) Status	5
4.	GOVERNANCE DOCUMENTS AND RECOMMENDATIONS TO SRO / COUNCIL / KANOA	
5.	STATE OF PLAY	6
6.	FINANCIAL SUMMARY	6
7.	High Level Roadmap	7
8.	MILESTONES	7
9.	Consents	8
10.	Project Risks	8
11.	Project Issues	9
12.	Dependencies	9
13.	Iwi / Hapū / Whānau	
14.	Partnerships / Relationship Management	10
15.	HEALTH AND SAFETY	10

QUALITY ASSURANCE

PREPARED BY	Mike Murray	Senior Project Manager	27 May 2024	m.m	
REVIEWED / APPROVED BY	Scott Hoare	Programme Manager	27 May 2024	Sur.	





1. PROJECT STRUCTURE

Reporting Month Ending	27/05/2024
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	7/05/2024	Next Infrastructure Governance Committee Meeting	4/06/2024
Last illiastructure dovernance committee Meeting	7 7 0 3 7 2 0 2 4	Next initiasti ucture dovernance committee infecting	7/00/2027

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	\rightarrow	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	16-Feb-23	09-Jun-23	Application for transfer or funds from Westport Early Warning Project and an
	(2)			Extension of Time with new Completion date of May 2024
	Mawhera Quay Tender	11 Dec 23	21 Dec 23	Contract signed by both WCRC and MBD received 23 Dec 23
	Evaluation and			
	Recommendation			





5. STATE OF PLAY

Last Month Next Month

- Stage 3 excavation has commenced.
- CCTV of existing stormwater has been completed and results sent to GDC for review
- A patch of Coal Tar has been uncovered during excavation. The extent has been surveyed and a sample has been tested to establish what if any remedial action is required.
- A shallow undocumented water pipe was uncovered 8 May 2024. The pipe is redundant and is to be capped. GDC have advised this must be done by their approved Contractor, however despite repeated requests and assurances this has yet to be done.

Commence of raising next section of stopbank

Total Project

.

Current Tasks and Decisions

.

6. FINANCIAL SUMMARY

Financial Summary	
Current Budget	\$ 2,605,822
Current Expenditure	\$ 863,332
Remaining Funds	\$ 1,742,490





7. HIGH LEVEL ROADMAP

Project Name		FY 2022/23	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 resolving resource consent requirements and obtaining initial GDC approval. Physical construction works is commencing 2 April 2024.

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	25-Jul-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- 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





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

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 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			

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. The pipe is redundant and is to be capped.					
	GDC have advised this must be done by their approved Contractor, however despite repeated requests this					
	has yet to be done.					
Grey Heritage Trust	Meeting held 21 February, 2024.					

15. HEALTH AND SAFETY

Traffic and Construction Management plans have been submitted and approved.

9.3 Hokitika River Walls IGC Project Status Report May 2024

Author Scott Hoare, Infrastructure Reference Group Programme

Manager

Authorizer Shanti Morgan, Acting Operations Manager

Public No.

Excluded

Report Purpose

The purpose of this report if to receive the Hokitika River Walls IGC Project Status Report for May 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

There is a risk of further delays to obtaining affected party approval from KiwiRail. Kiwirail verbally advised on 24 April 2024 queries were now resolved and Draft Conditions would be provided. These were received on 24 May 2024 with advice affected party approval will be provided when these are confirmed as being accepted.

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.

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

Views of affected parties

Consultation with KiwiRail is ongoing. All other affected party approvals have been obtained.

Financial implications

Current budget

\$ 7,505,226

Current expenditure

\$ 2,974,428

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: May 2024 WCRC IGC Project Status Report - Hokitika River Walls





WCRC IGC PROJECT STATUS REPORT

HOKITIKA RIVER FLOOD WALLS

WEST COAST REGIONAL COUNCIL ISSUE 16 - 27 MAY 2024







CONTENTS

1.	Project Structure	5
2.	Infrastructure governance committee meetings	
3.	R.A.G (Red, Amber, Green) Status	
4.	GOVERNANCE DOCUMENTS AND RECOMMENDATIONS TO SRO / COUNCIL / KANOA	
5.	STATE OF PLAY	
6.	HIGH LEVEL ROADMAP	
7.	MILESTONES	
8.	CONSENTS	
9.	PROJECT RISKS	9
10.	PROJECT ISSUES	10
11.	DEPENDENCIES	10
12.	Iwi / Hapū / Whānau	10
13.	Partnerships / Relationship Management	10
14.	HEALTH AND SAFETY	11

QUALITY ASSURANCE

PREPARED BY	Mike Murray	Senior Project Manager	27 May 2024	m. m
REVIEWED / APPROVED BY	Scott Hoare	Programme Manager	27 May 2024	Am.





PROJECT STRUCTURE

Reporting Month Ending	27/05/2024
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	Jordan Mandery
IRG Project Manager	Mike Murray (River Walls)

2. INFRASTRUCTURE GOVERNANCE COMMITTEE MEETINGS

Last Infrastructure Governance Committee Meeting	7/05/2024	Next Infrastructure Governance Committee Meeting	4/06/2024

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		WCRC have now requested seepage modelling is undertaken for stage 1B (previously agreed not required). WCRC have also
		requested CCTV of existing WDC stormwater pipework passing beneath stopbanks. Increased investigation into seepage and existing
		infrastructure may have potential impacts on stage 3 scope.
Resource		No resource issues at this time.
Schedule		Delays to processing Consents has created a risk that the project will not be able to be completed prior to the whitebait season.
Risks/ Issues		Kiwirail provided draft conditions on 24 May 2024, with advice affected party approval will be provided when these are confirmed
		as being accepted.

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

Stage 1B Resource Consent consultation with Kiwirail continuing. Verbally advised queries now closed out and draft conditions would be provided for review. These were received 24 May 2024, with advice affected party approval will be provided when these are confirmed as being

accepted. Conditions have been circulated for review.

- Stage 1B seepage modelling has commenced
- Stage 3 GPR has commenced
- Tenders received for CCTV of existing Stormwater for stage 1 and 3, recommendation has been issued to WCRC

Next Month

- Completion of Resource Consent for Stage 1B.
- Execute Stage 1B Contract and commence Construction.

Total Project

Current Tasks and Decisions

•

FINANCIAL SUMMARY

Financial Summary	
Current Budget	\$ 7,505,226
Current Expenditure	\$ 2,363,620
Remaining Funds	\$ 5,141,606





7. HIGH LEVEL ROADMAP

Project Name	ame 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		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.

9. 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.

• Kiwirail verbally advised queries were now all resolved on 24 April 2024, and that draft Conditions would be provided for review. These were received 24 May 2024, with advice affected party approval will be provided when these are confirmed as being accepted.





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	High	Increasing	Provide support and input when required.	Kiwirail only Affected Party outstanding
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, 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- 06		lwi	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	•	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	Kiwirail verbally advised queries were now all resolved on 24 April 2024, and that draft Conditions would be provided for review. These were received 24 May 2024, with advice affected party approval will be provided





	when these are confirmed as being accepted.
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:

- 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.

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 (\$7(2)(a), \$7(2)(b), and \$7(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	The item	To protect
	Operations	contains	commercial
	Monthly Report	information	information
		relating to	s7(2)(b)).
		commercial	
		matters	
13.2	Greymouth IGC	The item	To protect
	Project Status	contains	commercial
	Report May 2024	information	information
		relating to	s7(2)(b)).
		commercial	
		matters	
13.3	Hokitika IGC	The item	To protect
	Project Status	contains	commercial
	Report May 2024	information	information
		relating to	s7(2)(b)).
		commercial	
		matters	